

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067447.D
 Acq On : 29 Oct 2020 13:02
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:53 PM

Quant Time: Oct 30 02:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	313645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	472724	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	436403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	154497	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.91	113	162198	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	10.34	98	572512	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.64	95	205049	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54214	18.806	ug/l	98
3) Chloromethane	2.21	50	36614	18.549	ug/l	96
4) Vinyl Chloride	2.35	62	40869	18.870	ug/l	99
5) Bromomethane	2.76	94	32599	20.231	ug/l	89
6) Chloroethane	2.92	64	26408	19.579	ug/l	92
7) Trichlorofluoromethane	3.27	101	113429	20.799	ug/l	96
8) Diethyl Ether	3.70	74	25341	20.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61413	21.195	ug/l	98
10) Methyl Iodide	4.30	142	53519	20.023	ug/l	96
11) Tert butyl alcohol	5.22	59	20333	96.456	ug/l	96
12) 1,1-Dichloroethene	4.07	96	53070	20.502	ug/l	94
13) Acrolein	3.92	56	8622	63.596	ug/l	98
14) Allyl chloride	4.71	41	59229	19.980	ug/l	98
15) Acrylonitrile	5.43	53	42126	101.166	ug/l	98
16) Acetone	4.16	43	48173	109.466	ug/l	91
17) Carbon Disulfide	4.41	76	140224	19.002	ug/l	99
18) Methyl Acetate	4.72	43	20566	20.489	ug/l #	66
19) Methyl tert-butyl Ether	5.47	73	104436	20.290	ug/l	96
20) Methylene Chloride	4.97	84	68484	21.759	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	64178	21.544	ug/l	87
22) Diisopropyl ether	6.37	45	118191	21.826	ug/l #	95
23) Vinyl Acetate	6.30	43	317344	103.006	ug/l	96
24) 1,1-Dichloroethane	6.27	63	101939	21.991	ug/l	97
25) 2-Butanone	7.21	43	52306	104.270	ug/l	98
26) 2,2-Dichloropropane	7.21	77	102254	21.401	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	70327	21.541	ug/l	99
28) Bromochloromethane	7.55	49	31214	19.742	ug/l	99
29) Tetrahydrofuran	7.57	42	27409	98.293	ug/l	92
30) Chloroform	7.71	83	121203	21.887	ug/l	89
31) Cyclohexane	7.99	56	73461	20.298	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	114337	21.044	ug/l	97
36) 1,1-Dichloropropene	8.11	75	84475	21.084	ug/l	100
37) Ethyl Acetate	7.30	43	22447	19.042	ug/l	97
38) Carbon Tetrachloride	8.10	117	106789	20.854	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067447.D
 Acq On : 29 Oct 2020 13:02
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:53 PM

Quant Time: Oct 30 02:38:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	87749	20.949	ug/l	94
40) Benzene	8.35	78	230716	20.990	ug/l	99
41) Methacrylonitrile	7.54	41	15547m	24.406	ug/l	
42) 1,2-Dichloroethane	8.43	62	72383	21.042	ug/l	99
43) Isopropyl Acetate	8.46	43	47944	20.497	ug/l	98
44) Trichloroethene	9.12	130	76235	21.662	ug/l	97
45) 1,2-Dichloropropane	9.38	63	54477	21.385	ug/l	95
46) Dibromomethane	9.48	93	32275	20.335	ug/l	98
47) Bromodichloromethane	9.67	83	89585	21.067	ug/l	95
48) Methyl methacrylate	9.46	41	22610	19.890	ug/l	98
49) 1,4-Dioxane	9.47	88	6929	433.925	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	120401	103.200	ug/l	99
52) Toluene	10.41	92	162444	21.698	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78381	20.982	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	90357	20.668	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	46533	21.500	ug/l	97
56) Ethyl methacrylate	10.67	69	45035	20.063	ug/l	99
57) 1,3-Dichloropropane	10.95	76	71776	20.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	117301	101.867	ug/l	98
59) 2-Hexanone	10.99	43	82742	103.788	ug/l	100
60) Dibromochloromethane	11.14	129	67353	21.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45196	21.182	ug/l	100
64) Tetrachloroethene	10.88	164	67919	21.481	ug/l	97
65) Chlorobenzene	11.67	112	183344	21.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	72962	21.937	ug/l	99
67) Ethyl Benzene	11.75	91	314199	21.903	ug/l	97
68) m/p-Xylenes	11.86	106	246628	44.646	ug/l	96
69) o-Xylene	12.18	106	108302	21.172	ug/l	97
70) Styrene	12.20	104	194245	22.059	ug/l	100
71) Bromoform	12.37	173	38165	21.359	ug/l #	96
73) Isopropylbenzene	12.48	105	308580	22.127	ug/l	99
74) N-amyl acetate	12.30	43	45006	21.368	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	45659	21.368	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	34767m	22.829	ug/l	
77) Bromobenzene	12.77	156	76922	22.125	ug/l	100
78) n-propylbenzene	12.83	91	362149	22.413	ug/l	99
79) 2-Chlorotoluene	12.91	91	202114	21.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	271965	22.442	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	14301	21.295	ug/l	96
82) 4-Chlorotoluene	13.01	91	218687	21.990	ug/l	100
83) tert-Butylbenzene	13.23	119	234913	22.948	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	270131	22.553	ug/l	100
85) sec-Butylbenzene	13.41	105	318244	22.657	ug/l	98
86) p-Isopropyltoluene	13.52	119	297101	22.409	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	148489	22.189	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	150995	22.774	ug/l	99
89) n-Butylbenzene	13.85	91	253544	21.738	ug/l	98
90) Hexachloroethane	14.12	117	52712	22.784	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	129588	22.167	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8170	21.046	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067447.D
Acq On : 29 Oct 2020 13:02
Operator : VA/SY
Sample : VD1029SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM

Quant Time: Oct 30 02:38:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88316	22.406	ug/l	96
94) Hexachlorobutadiene	15.28	225	53778	21.971	ug/l	96
95) Naphthalene	15.41	128	129126	19.954	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74054	21.748	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

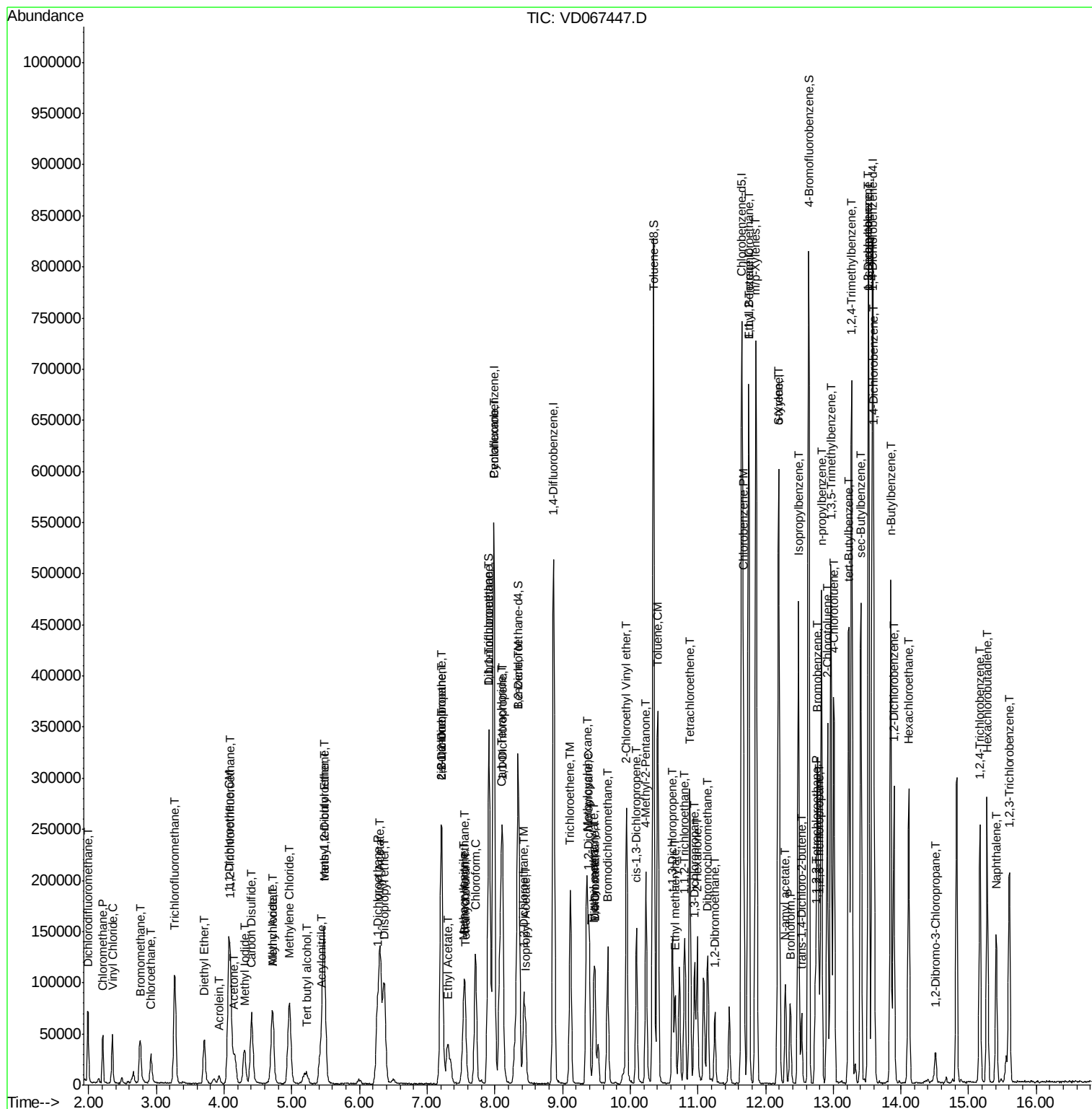
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067447.D
 Acq On : 29 Oct 2020 13:02
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

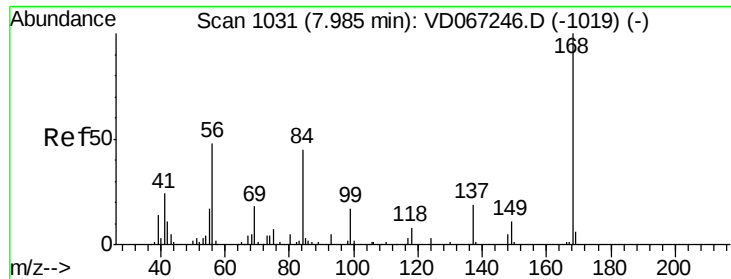
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:53 PM

Quant Time: Oct 30 02:38:17 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:168 Resp: 313645

Ion Ratio Lower Upper

168 100

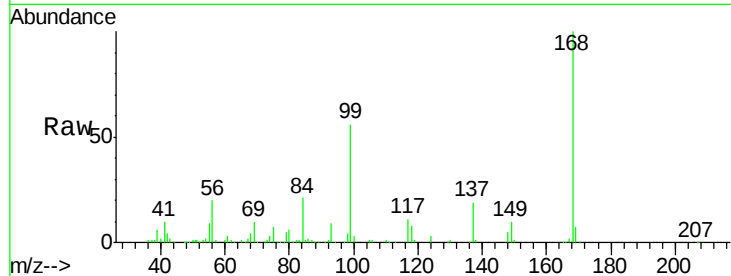
99 56.0 45.9 68.9

Manual Integrations

APPROVED

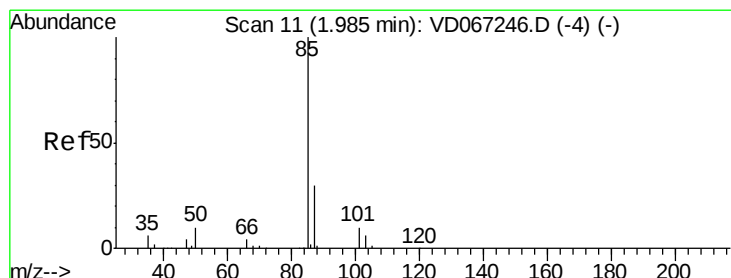
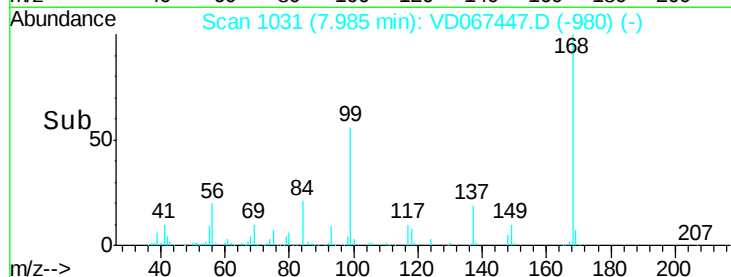
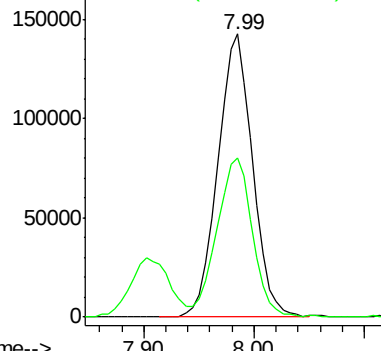
MMDadoda

10/30/2020 1:34:53 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.806 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067447.D

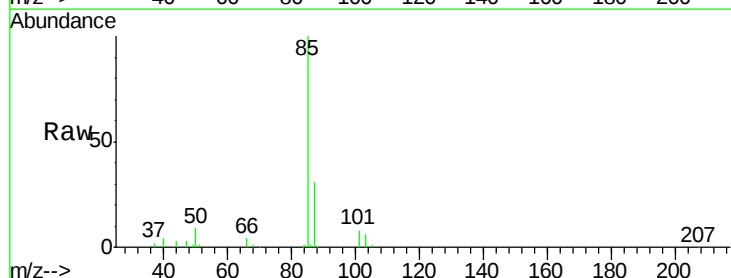
Acq: 29 Oct 2020 13:02

Tgt Ion: 85 Resp: 54214

Ion Ratio Lower Upper

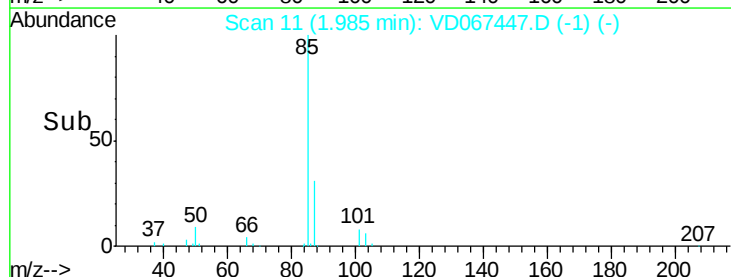
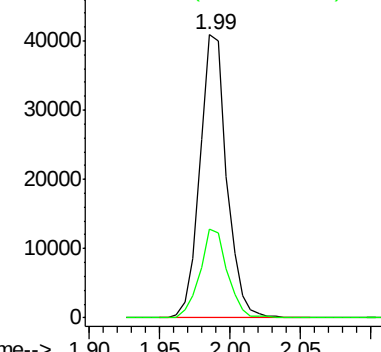
85 100

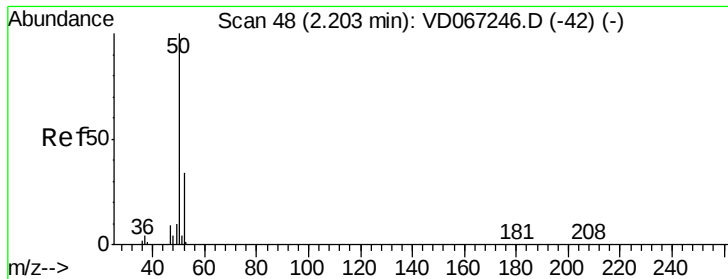
87 31.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.549 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 50 Resp: 36614

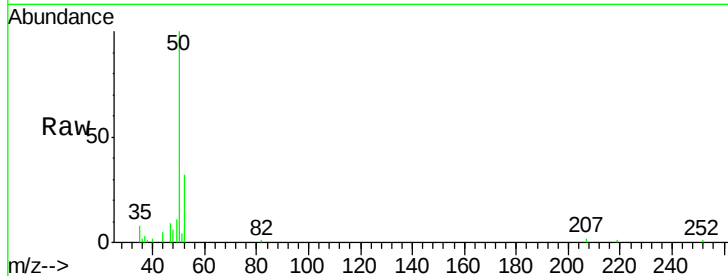
Ion Ratio Lower Upper

50 100

52 31.8 27.1 40.7

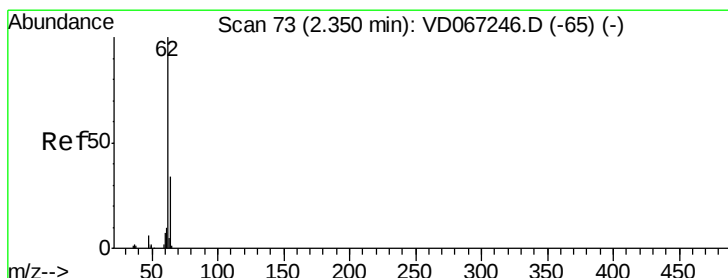
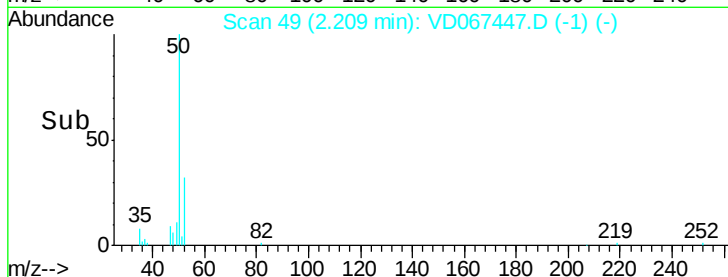
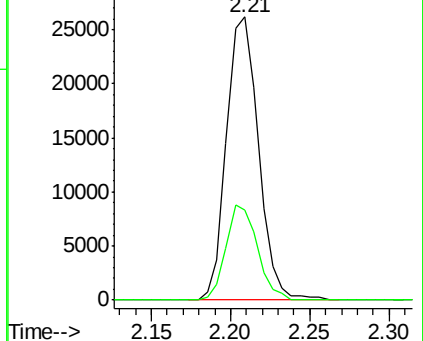
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.870 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067447.D

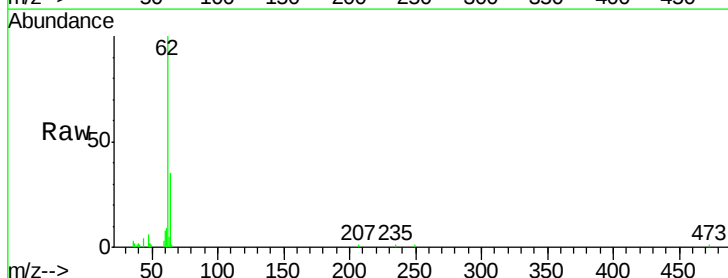
Acq: 29 Oct 2020 13:02

Tgt Ion: 62 Resp: 40869

Ion Ratio Lower Upper

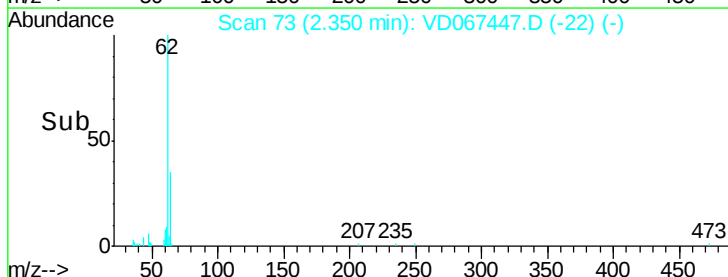
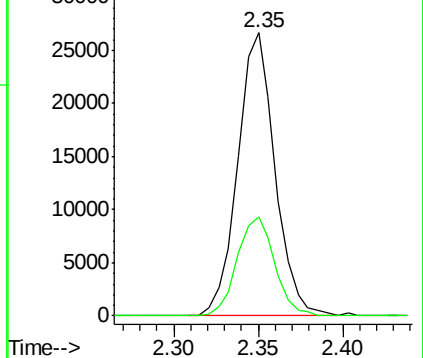
62 100

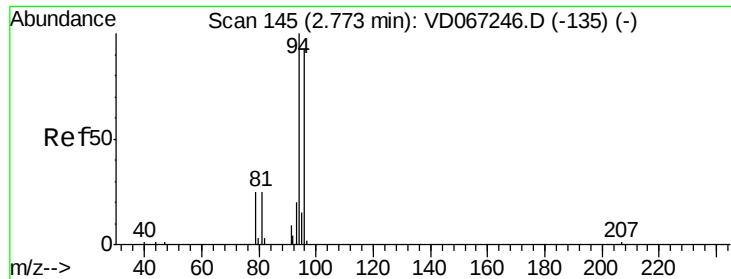
64 34.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.231 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 94 Resp: 32599

Ion Ratio Lower Upper

94 100

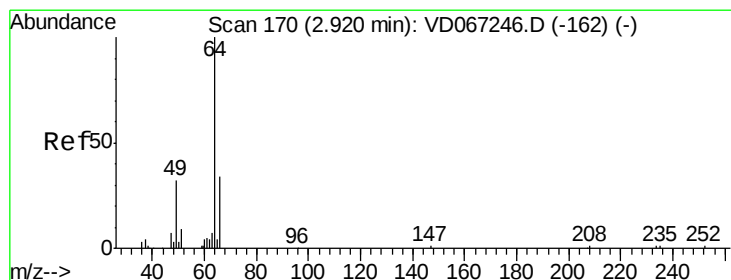
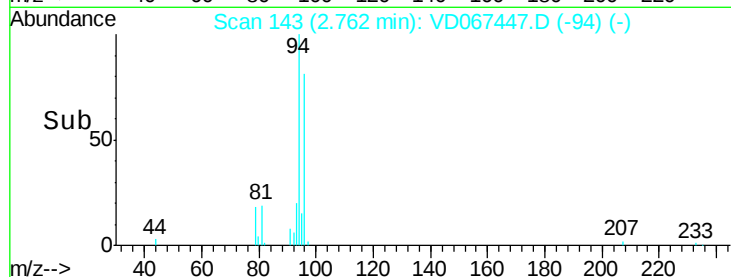
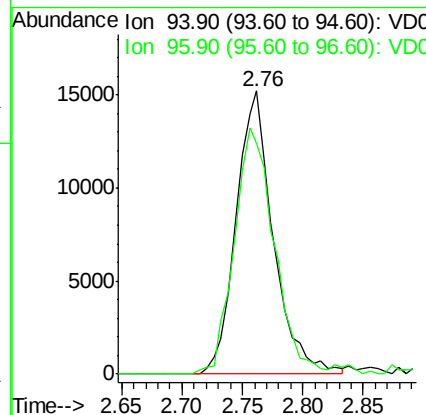
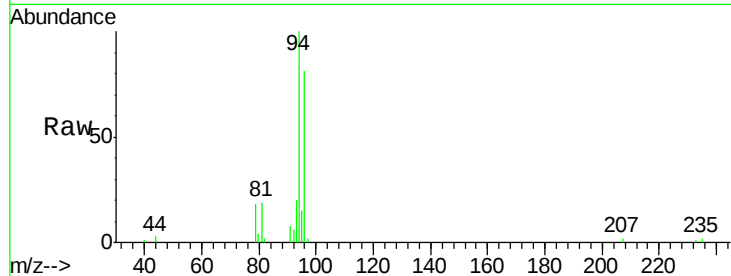
96 81.4 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#6

Chloroethane

Concen: 19.579 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067447.D

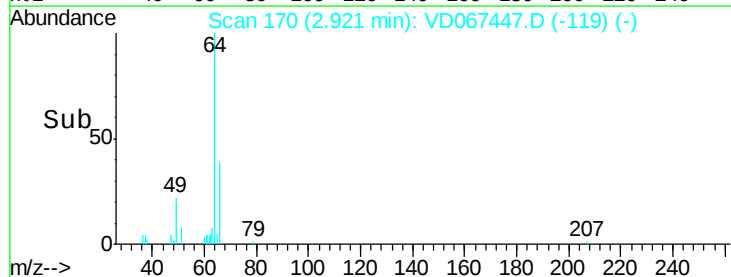
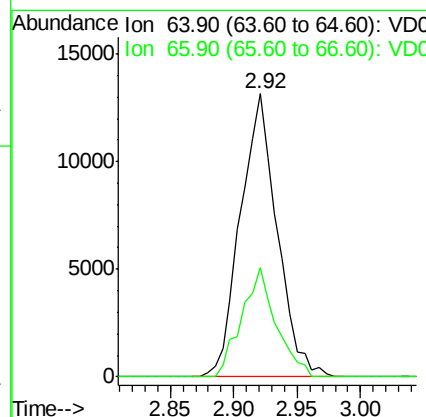
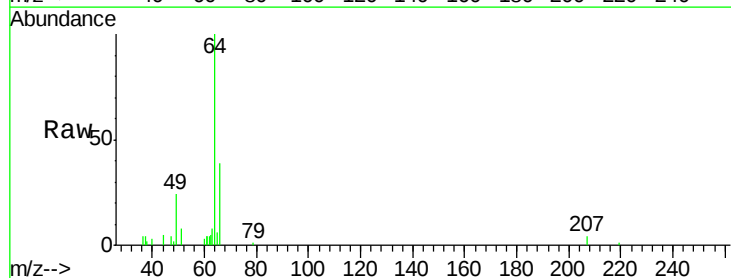
Acq: 29 Oct 2020 13:02

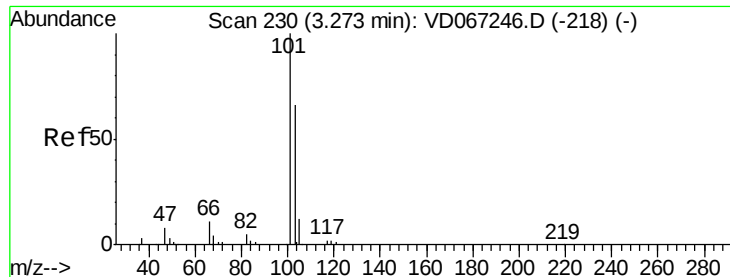
Tgt Ion: 64 Resp: 26408

Ion Ratio Lower Upper

64 100

66 38.6 27.4 41.0





#7

Trichlorofluoromethane

Concen: 20.799 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:101 Resp: 113429

Ion Ratio Lower Upper

101 100

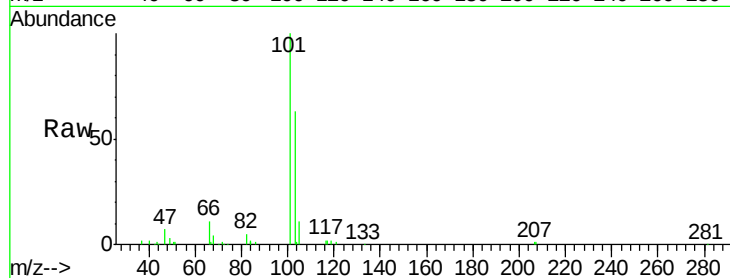
103 63.1 53.1 79.7

Manual Integrations

APPROVED

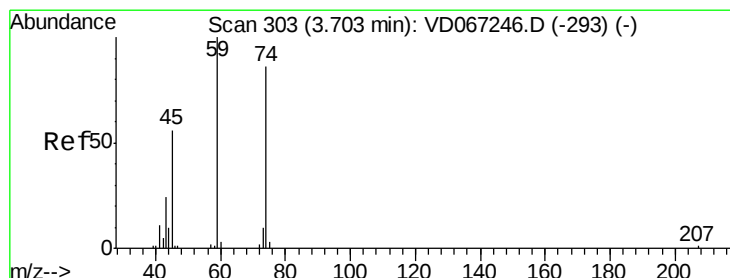
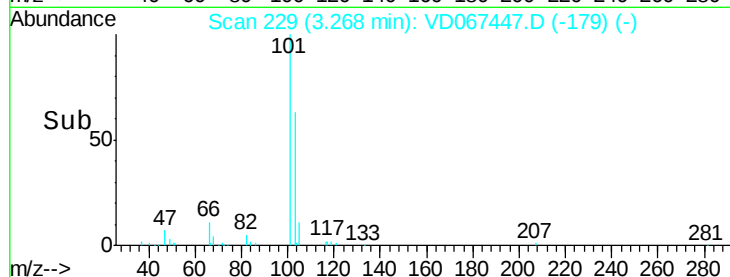
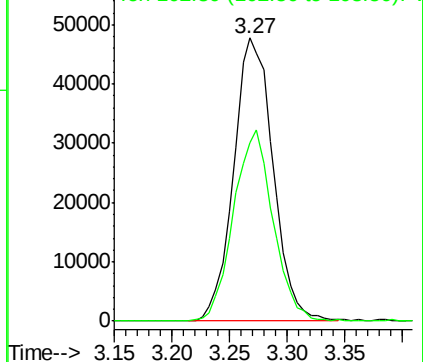
MMDadoda

10/30/2020 1:34:53 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.306 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.00 min

Lab File: VD067447.D

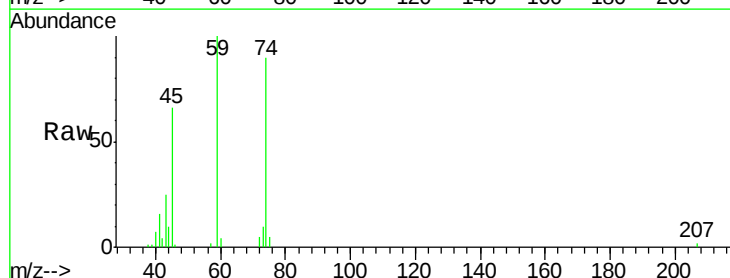
Acq: 29 Oct 2020 13:02

Tgt Ion: 74 Resp: 25341

Ion Ratio Lower Upper

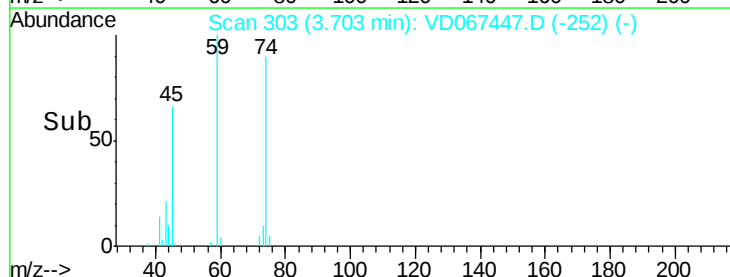
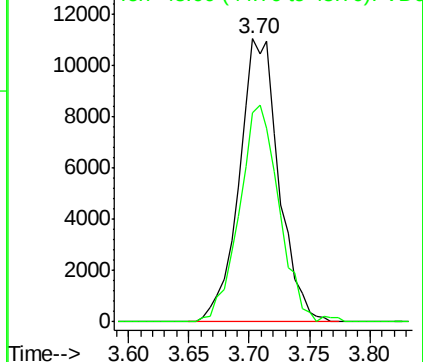
74 100

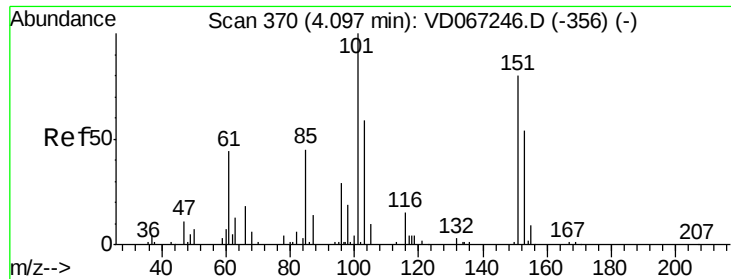
45 76.4 37.0 111.1



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.195 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

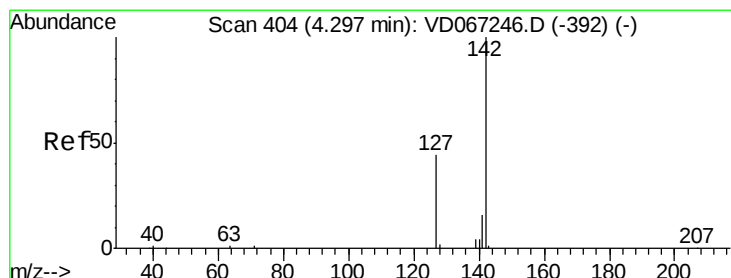
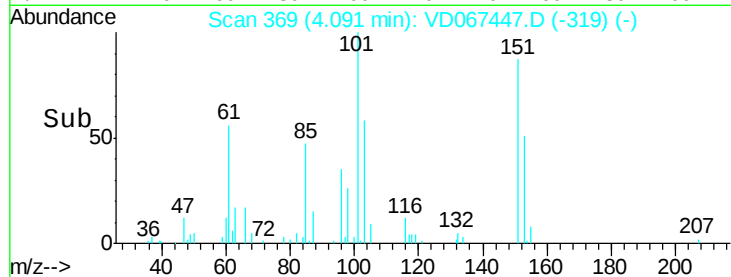
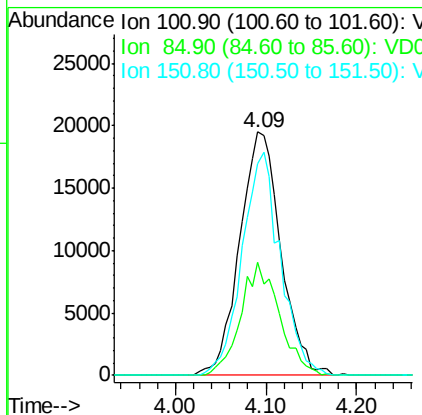
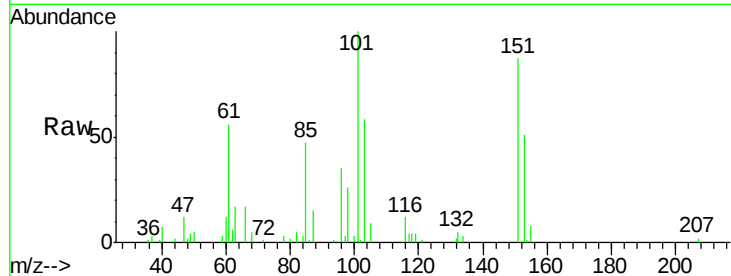
ClientSampleId :

VD1029SBS01

Tot Ion:	101	Resp:	61413
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	84.9	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#10

Methyl Iodide

Concen: 20.023 ug/l

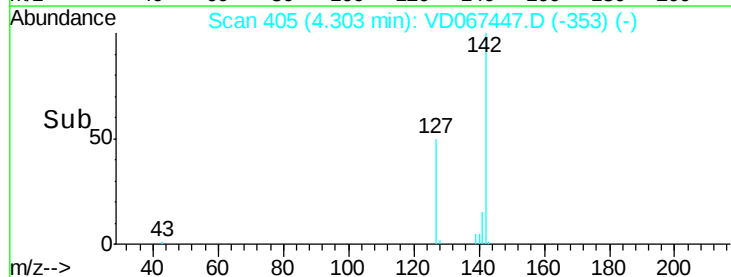
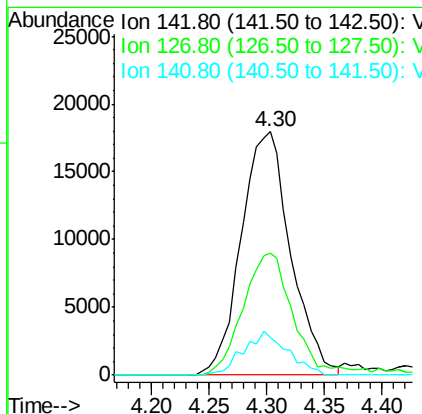
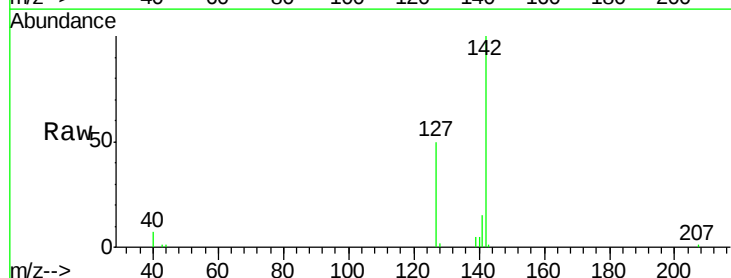
RT: 4.30 min Scan# 405

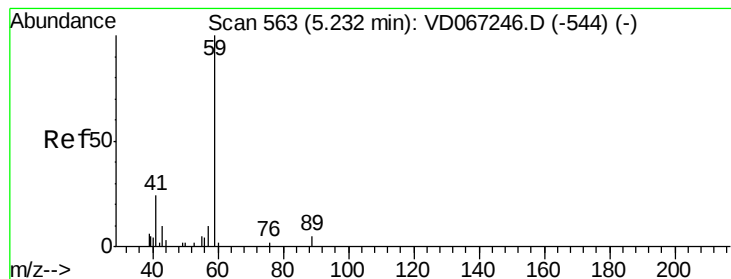
Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	142	Resp:	53519
Ion Ratio	Lower	Upper	
142	100		
127	50.4	38.4	57.6
141	16.0	11.6	17.4





#11

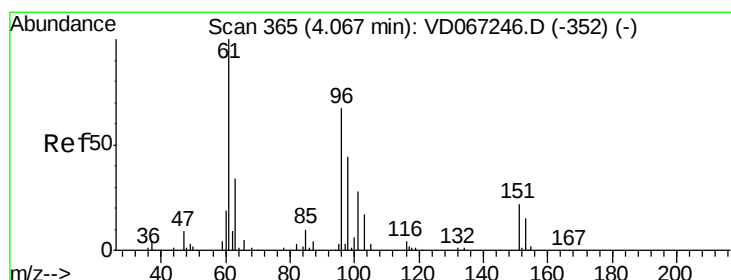
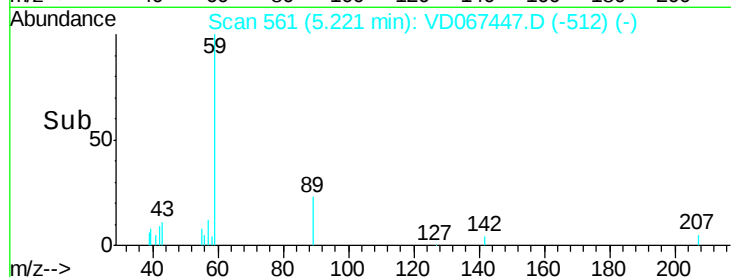
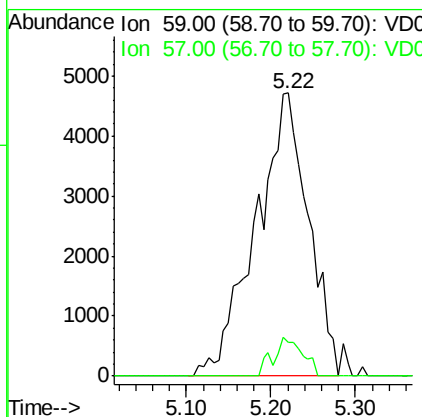
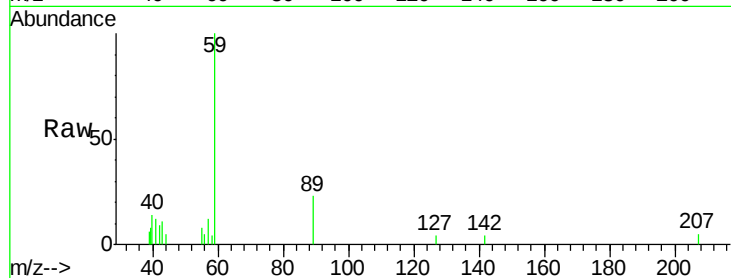
Tert butyl alcohol
 Concen: 96.456 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 59 Resp: 20333
 Ion Ratio Lower Upper
 59 100
 57 7.6 5.1 7.7

Manual Integrations
 APPROVED

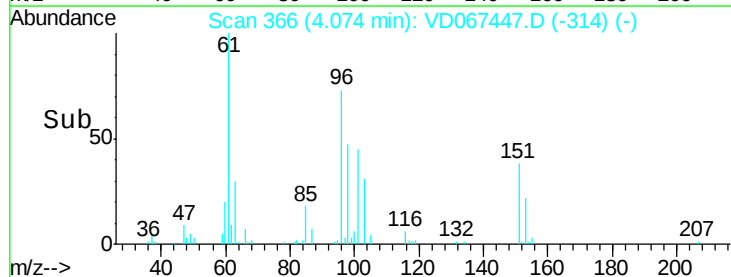
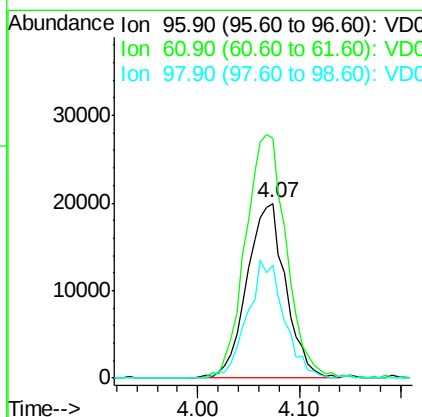
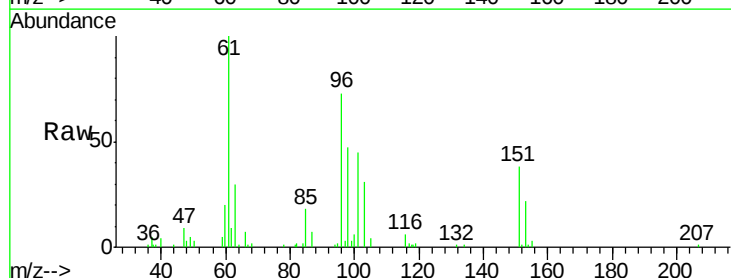
MMDadoda
 10/30/2020 1:34:53 PM

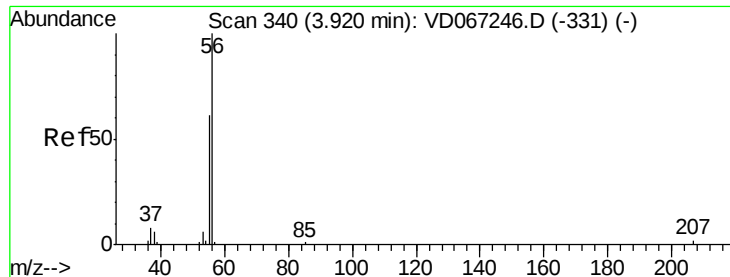


#12

1,1-Dichloroethene
 Concen: 20.502 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 96 Resp: 53070
 Ion Ratio Lower Upper
 96 100
 61 136.9 118.6 177.8
 98 64.5 51.8 77.6





#13

Acrolein

Concen: 63.596 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 56 Resp: 8622

Ion Ratio Lower Upper

56 100

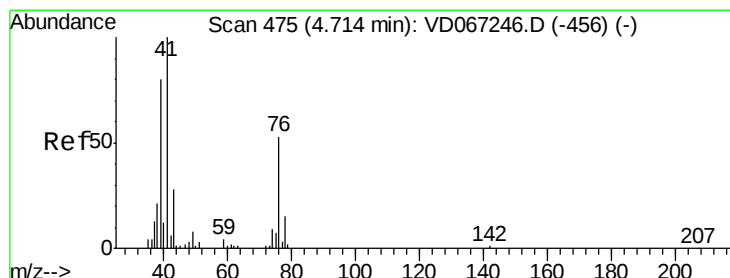
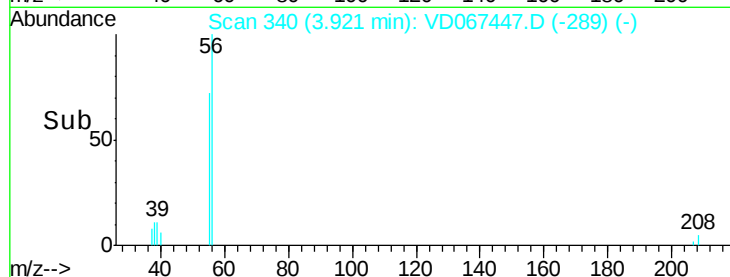
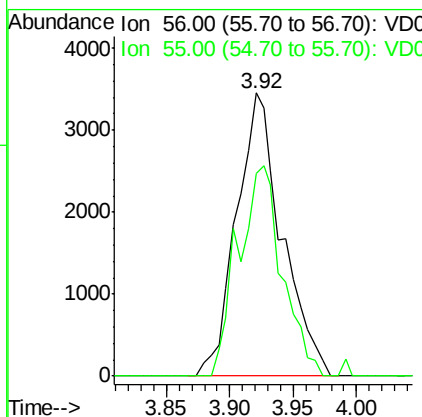
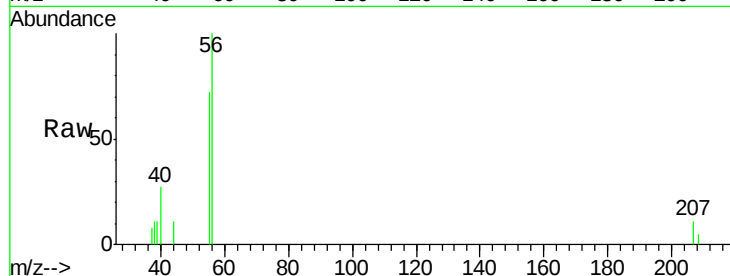
55 72.0 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#14

Allyl chloride

Concen: 19.980 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

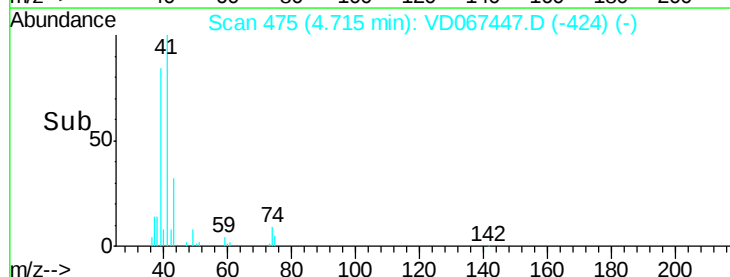
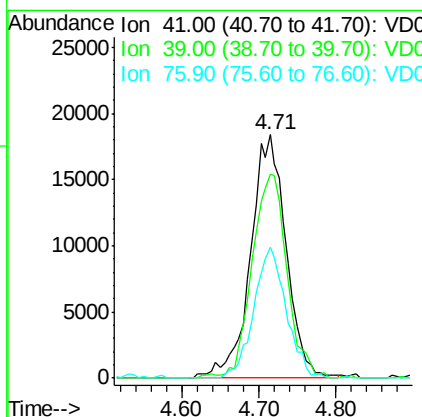
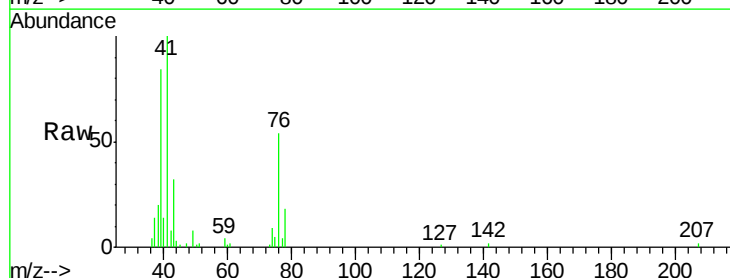
Tgt Ion: 41 Resp: 59229

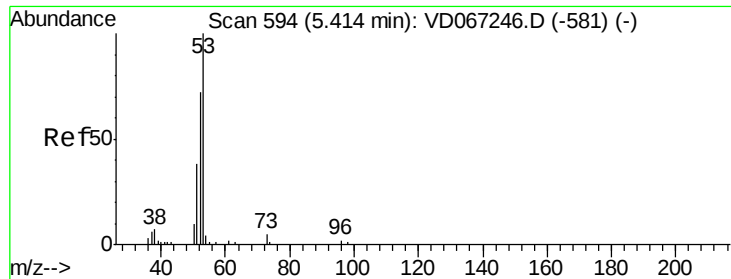
Ion Ratio Lower Upper

41 100

39 82.0 63.8 95.6

76 49.1 40.4 60.6





#15

Acrylonitrile

Concen: 101.166 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

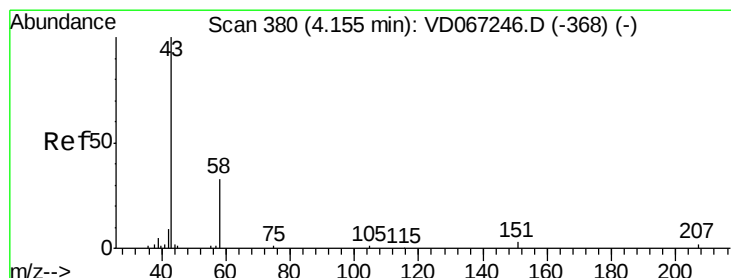
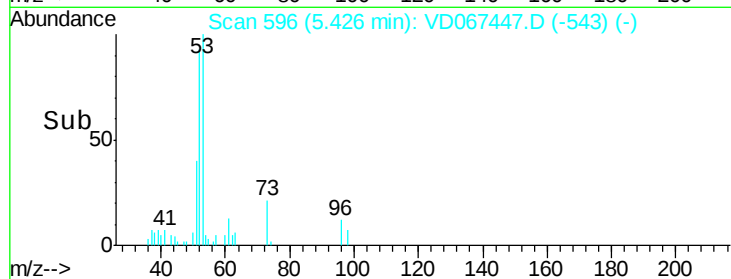
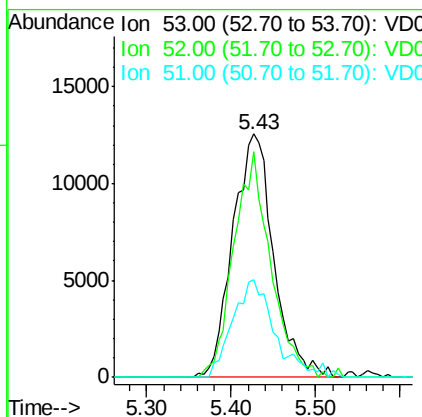
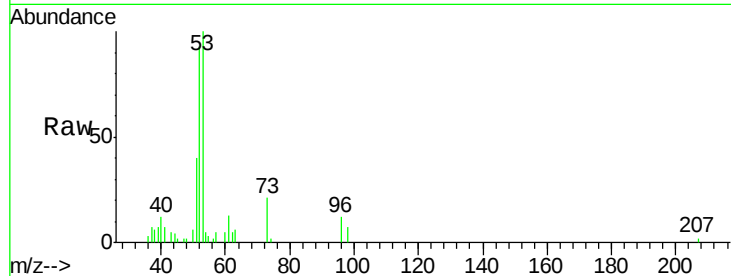
ClientSampleId :

VD1029SBS01

Tot Ion:	53	Resp:	42126
Ion	Ratio	Lower	Upper
53	100		
52	83.3	65.6	98.4
51	40.6	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#16

Acetone

Concen: 109.466 ug/l

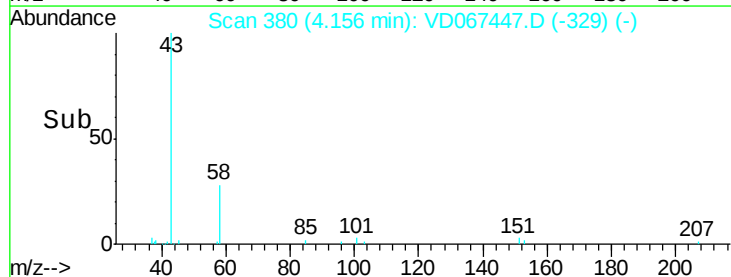
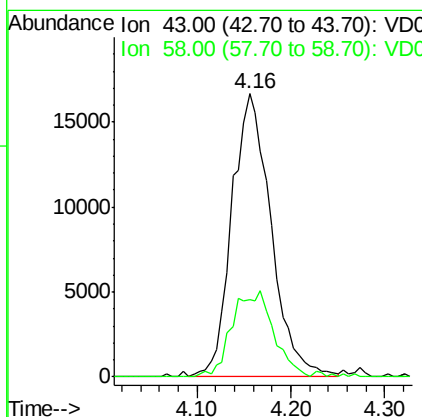
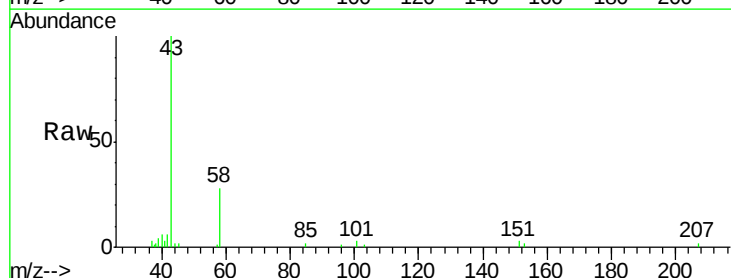
RT: 4.16 min Scan# 380

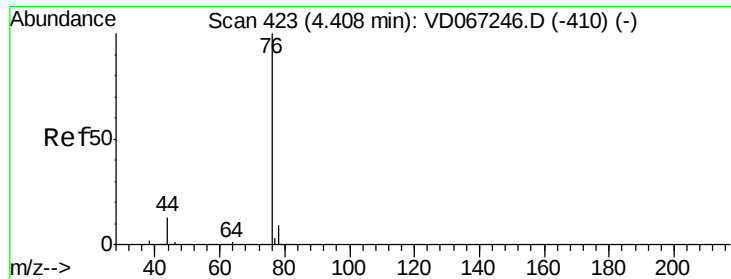
Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	43	Resp:	48173
Ion	Ratio	Lower	Upper
43	100		
58	27.5	26.1	39.1





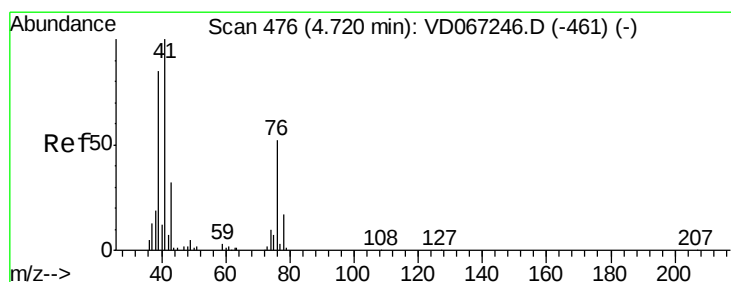
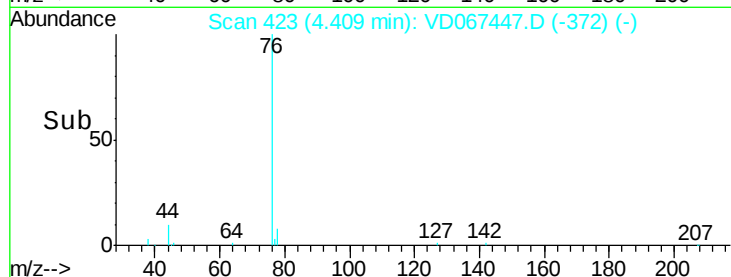
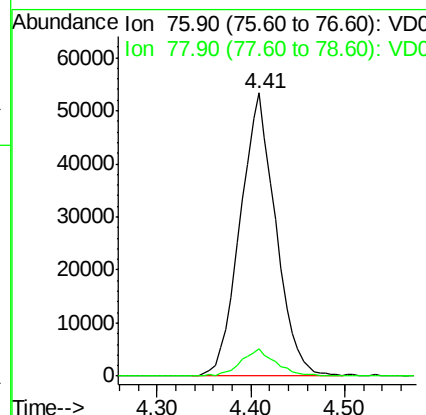
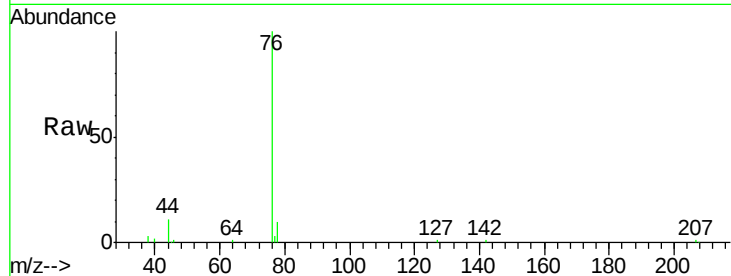
#17
Carbon Disulfide
Concen: 19.002 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

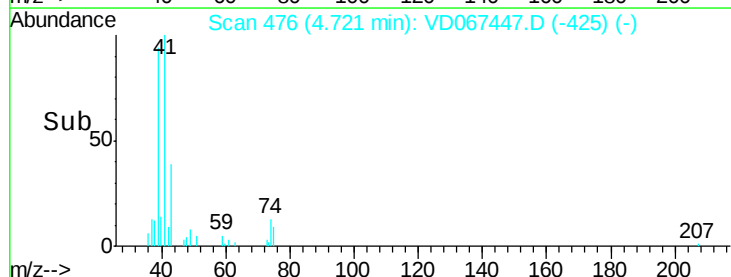
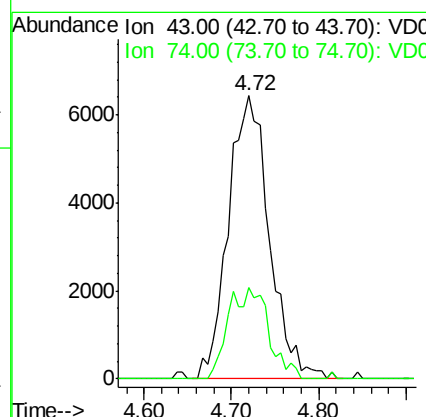
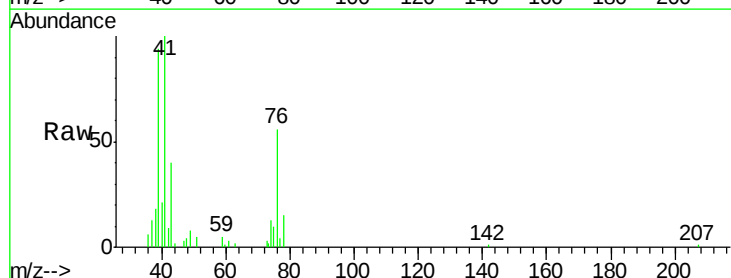
Manual Integrations
APPROVED

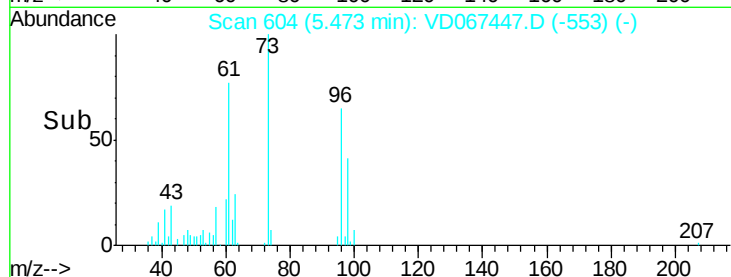
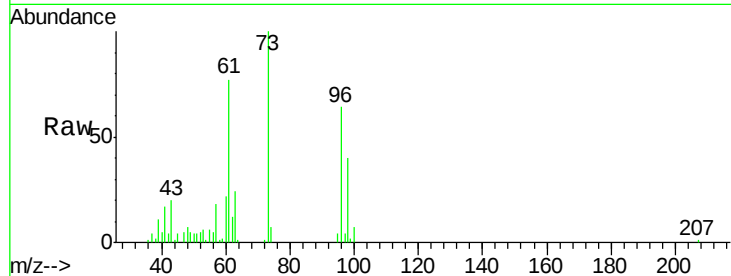
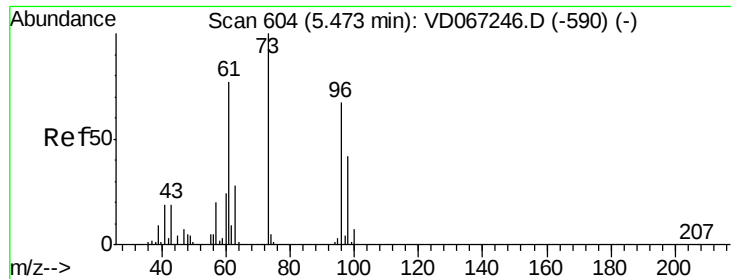
MMDadoda
10/30/2020 1:34:53 PM



#18
Methyl Acetate
Concen: 20.489 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.1	26.6	39.8#





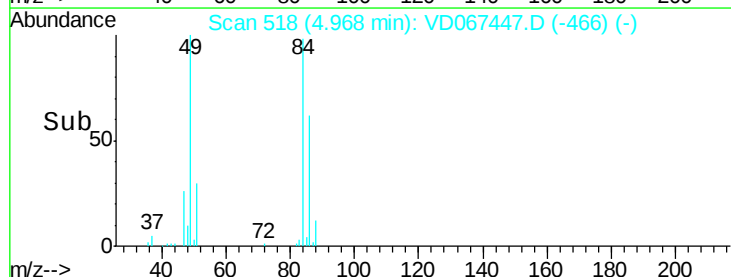
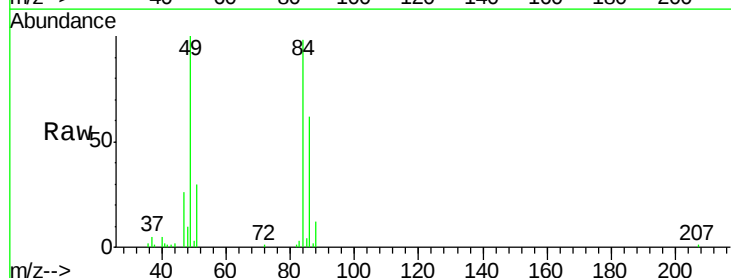
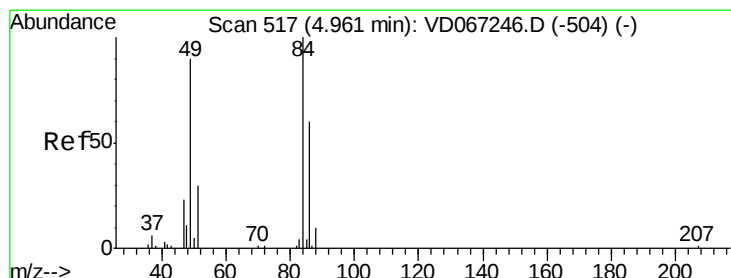
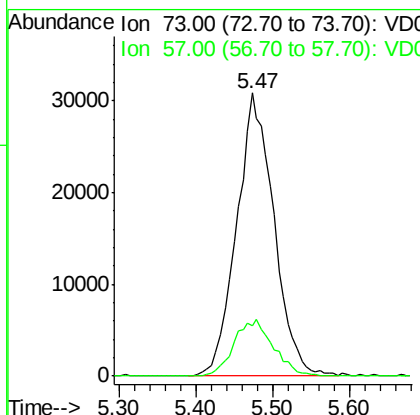
#19
Methvl tert-butvl Ether
Concen: 20.290 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tot Ion: 73 Resp: 104436
Ion Ratio Lower Upper
73 100
57 17.9 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

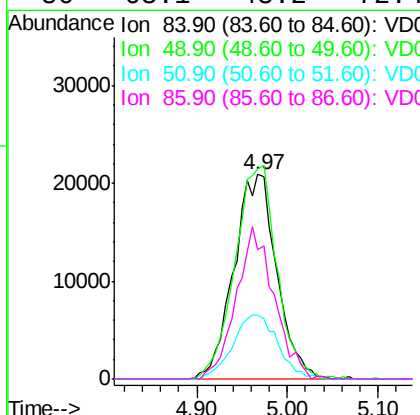
Manual Integrations
APPROVED

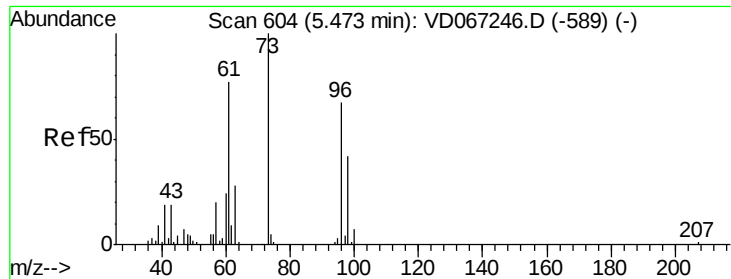
MMDadoda
10/30/2020 1:34:53 PM



#20
Methylene Chloride
Concen: 21.759 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 84 Resp: 68484
Ion Ratio Lower Upper
84 100
49 102.5 72.2 108.2
51 31.0 23.8 35.8
86 63.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.544 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

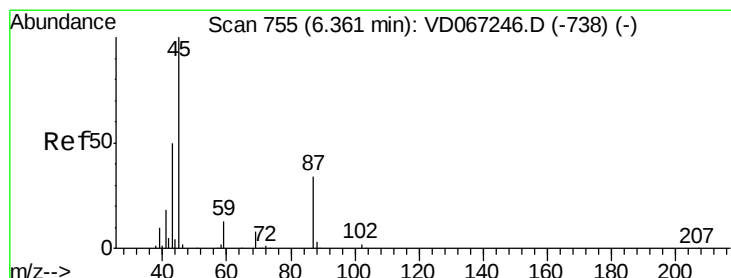
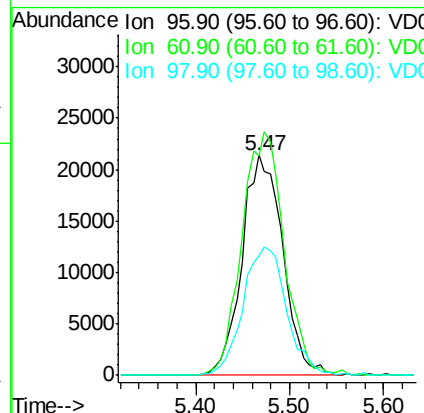
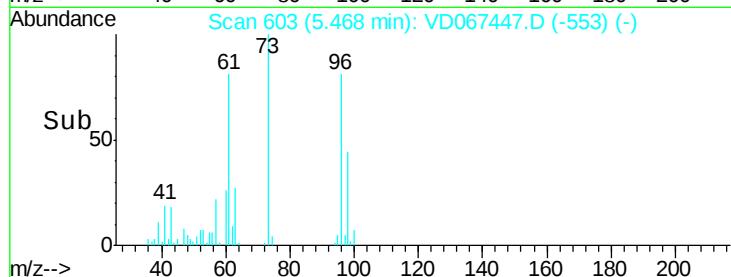
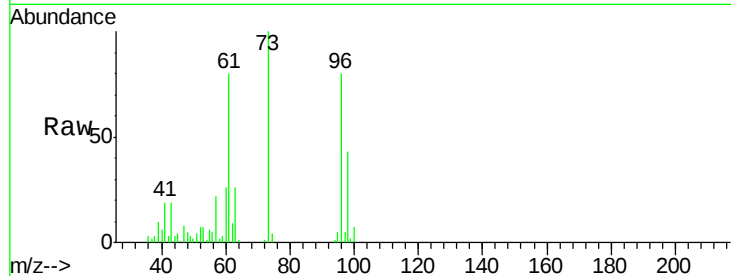
ClientSampleId :

VD1029SBS01

Tot Ion:	96	Resp:	64178
Ion	Ratio	Lower	Upper
96	100		
61	99.7	92.0	138.0
98	54.0	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#22

Diisopropyl ether

Concen: 21.826 ug/l

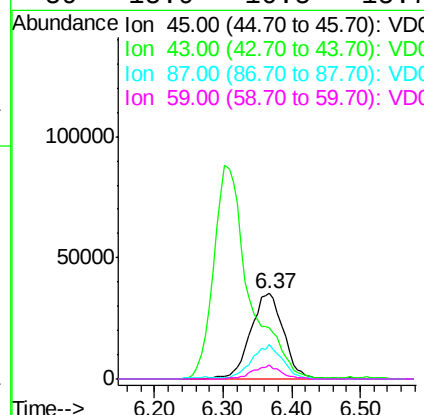
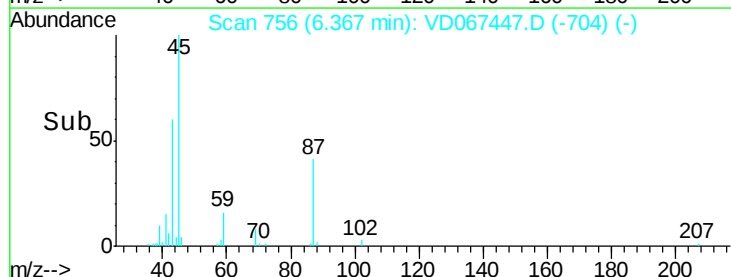
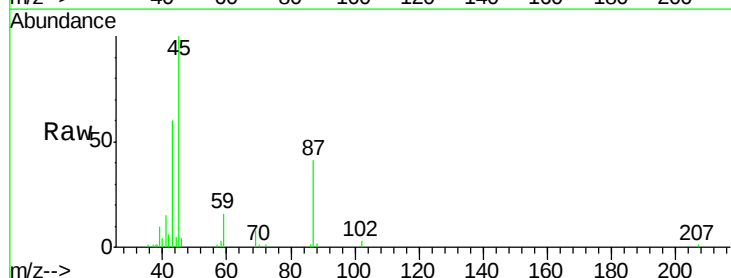
RT: 6.37 min Scan# 756

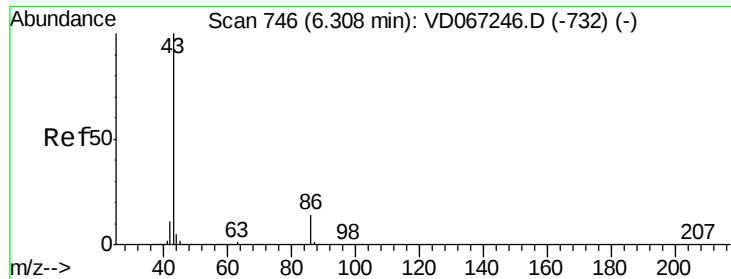
Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	45	Resp:	118191
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.0	72.0
87	40.7	28.5	42.7
59	15.9	10.5	15.7#





#23

Vinyl Acetate

Concen: 103.006 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 317344

Ion Ratio Lower Upper

43 100

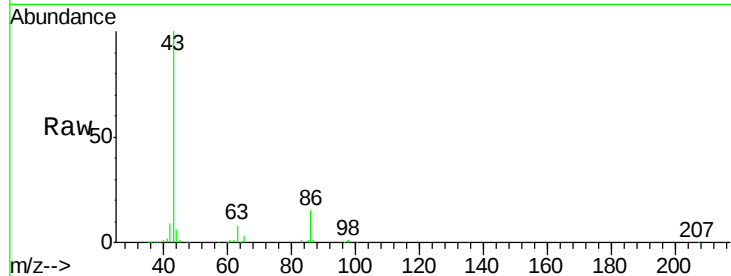
86 15.4 11.0 16.6

Manual Integrations

APPROVED

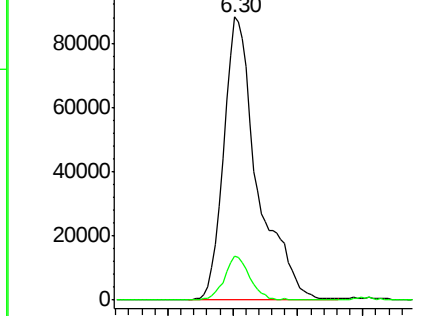
MMDadoda

10/30/2020 1:34:53 PM

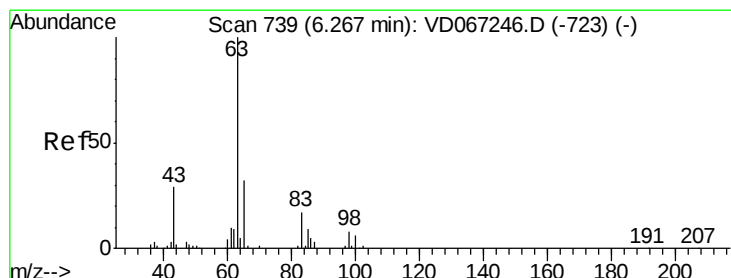
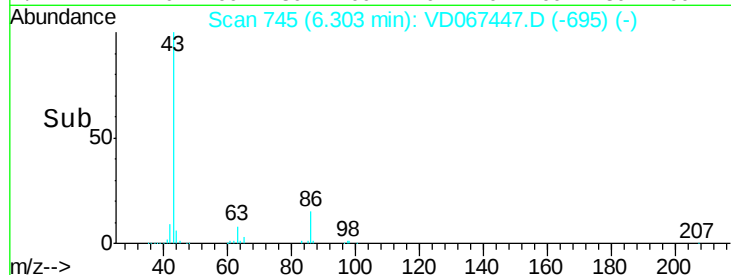


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 21.991 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

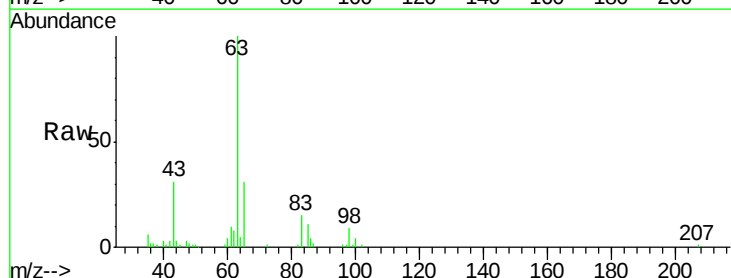
Tgt Ion: 63 Resp: 101939

Ion Ratio Lower Upper

63 100

98 8.8 4.0 12.2

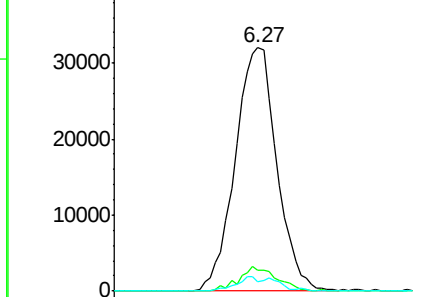
100 3.9 2.8 8.4



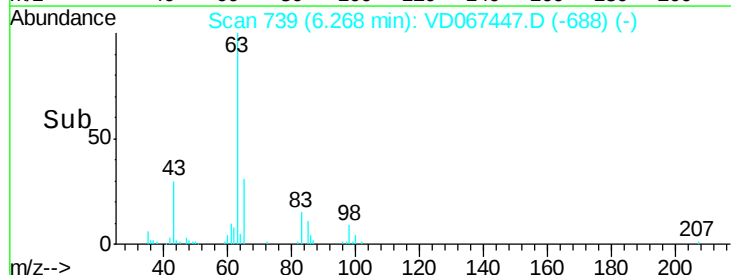
Abundance Ion 62.90 (62.60 to 63.60): VDC

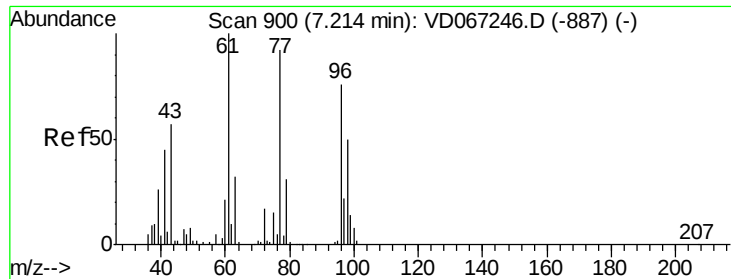
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





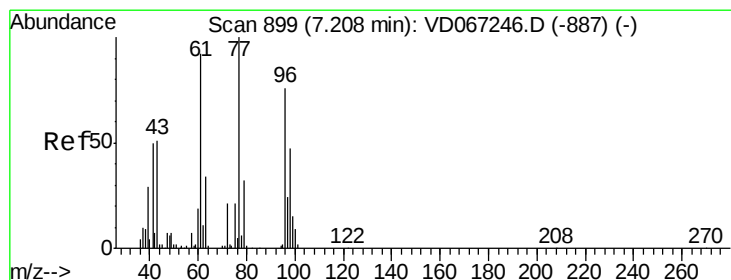
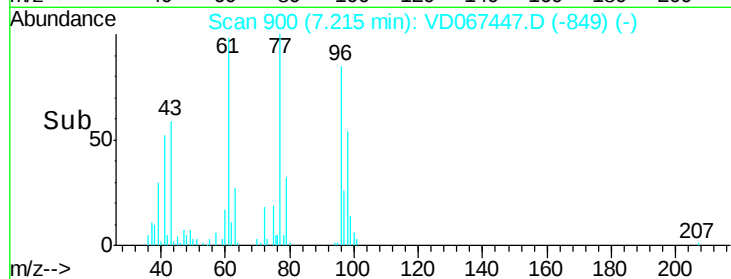
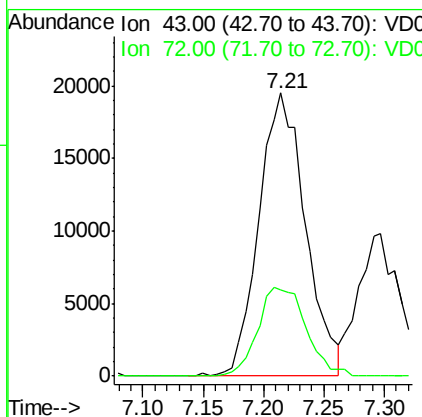
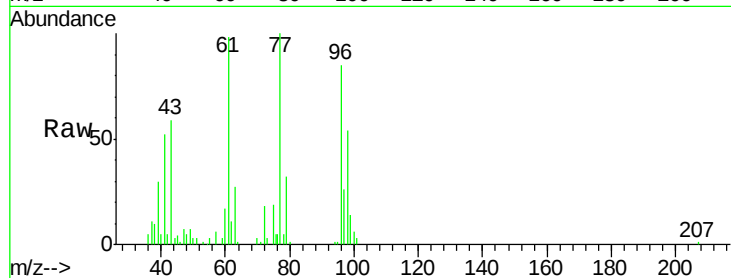
#25
2-Butanone
Concen: 104.270 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 43 Resp: 52306
Ion Ratio Lower Upper
43 100
72 30.6 23.7 35.5

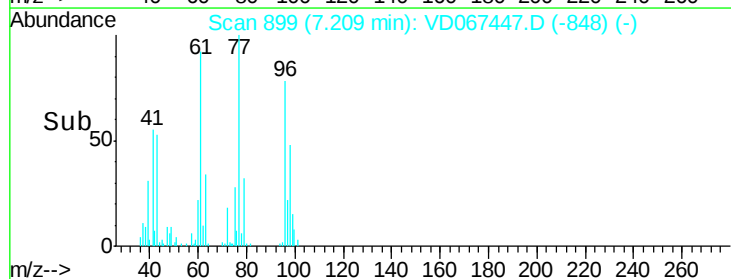
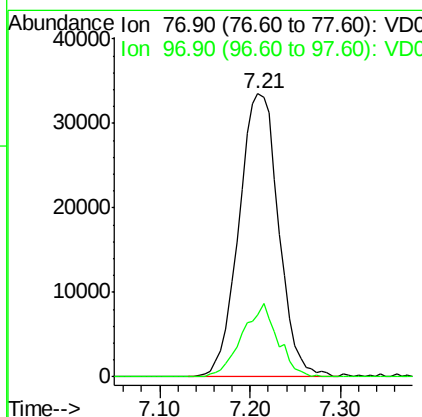
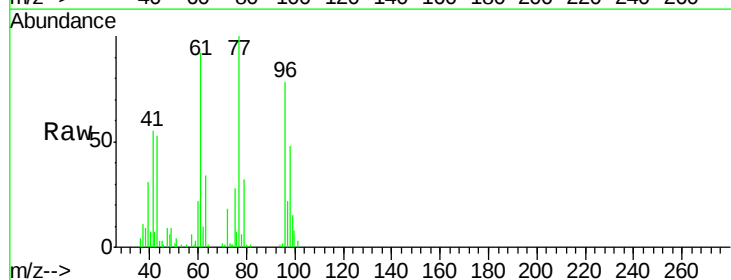
Manual Integrations
APPROVED

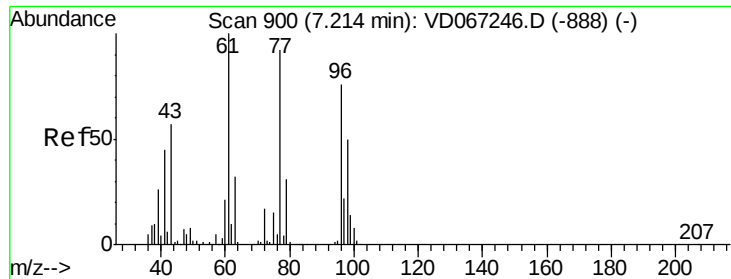
MMDadoda
10/30/2020 1:34:53 PM



#26
2,2-Dichloropropane
Concen: 21.401 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 77 Resp: 102254
Ion Ratio Lower Upper
77 100
97 23.3 11.4 34.2





#27

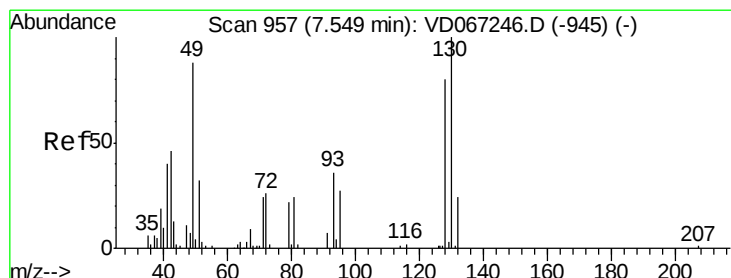
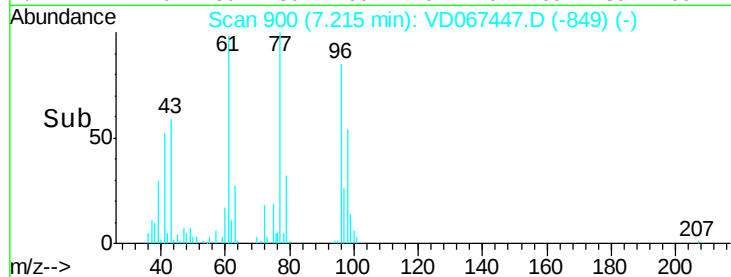
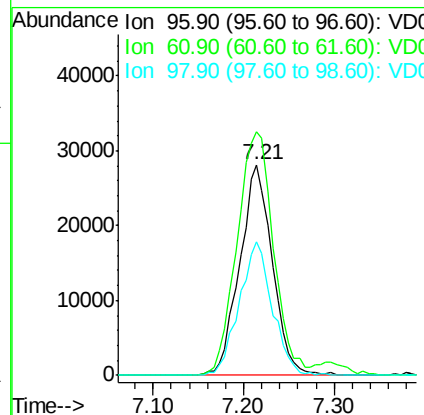
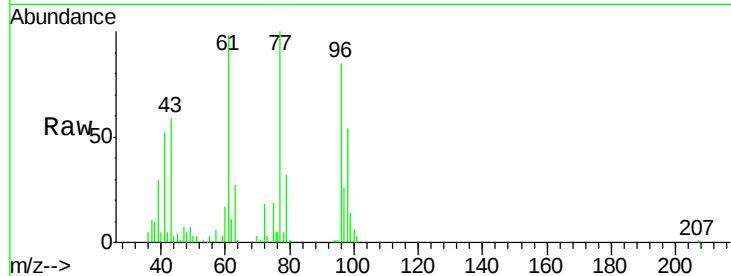
cis-1,2-Dichloroethene
Concen: 21.541 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.1	0.0	255.4
98	64.1	0.0	128.0

Manual Integrations
APPROVED

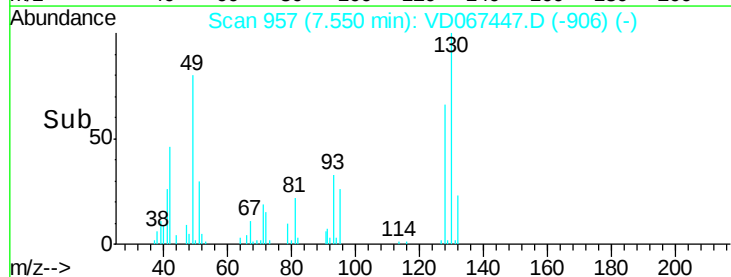
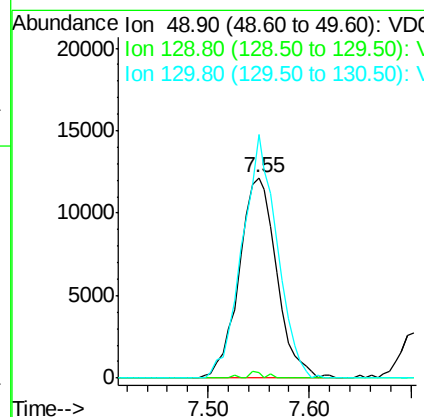
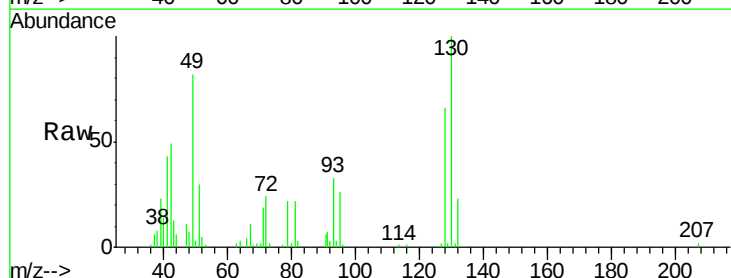
MMDadoda
10/30/2020 1:34:53 PM

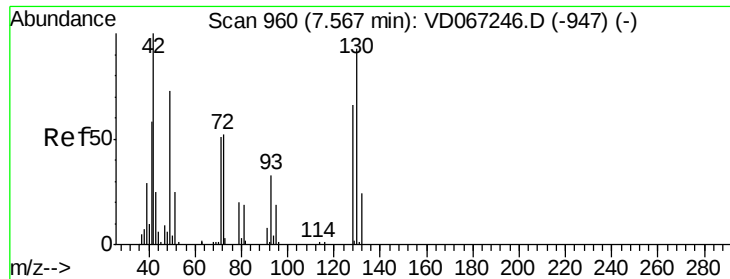


#28

Bromochloromethane
Concen: 19.742 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.6
130	112.4	91.0	136.6





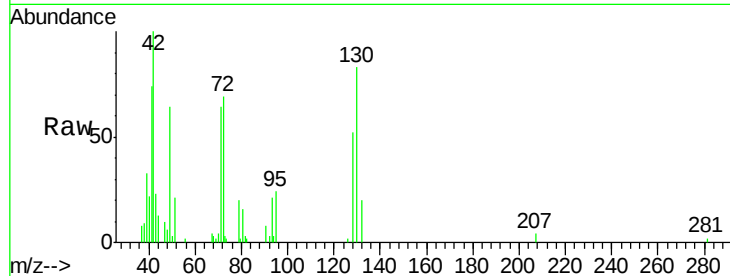
#29
Tetrahydrofuran
Concen: 98.293 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

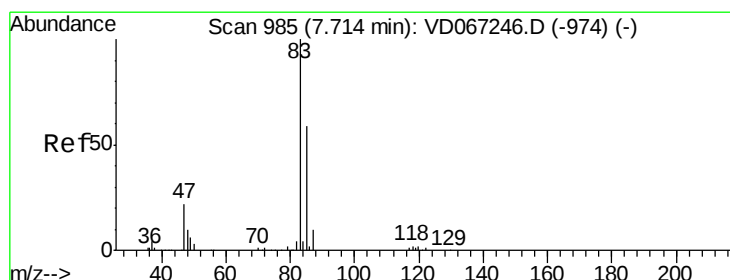
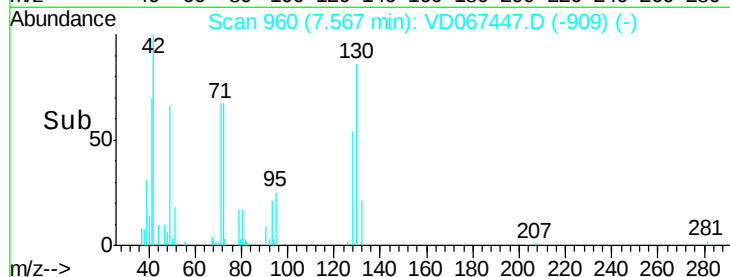
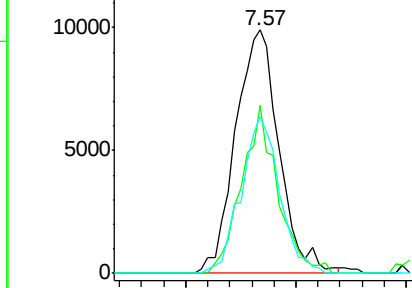
Tot Ion	Ratio	Lower	Upper
42	100		
72	57.4	43.2	64.8
71	56.9	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM

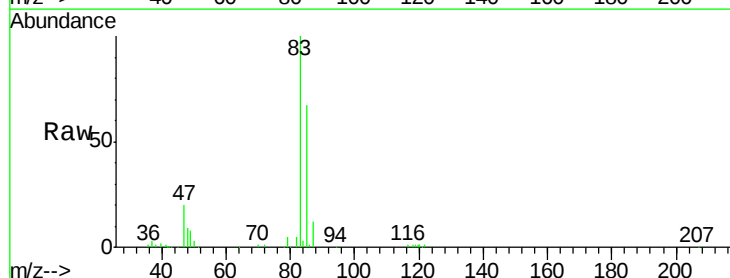


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

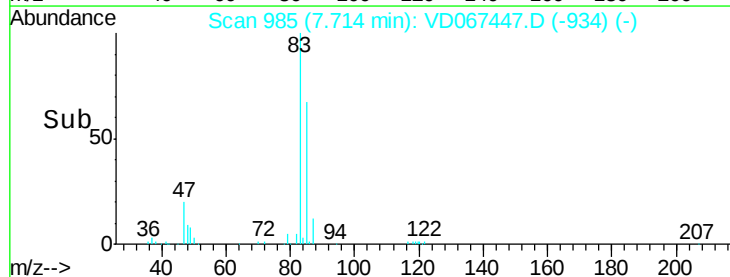
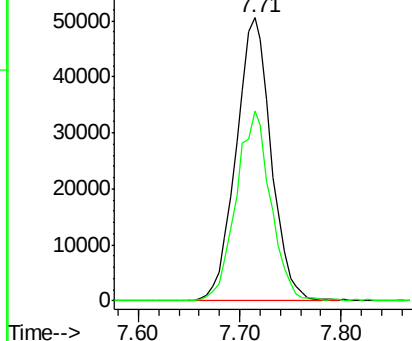


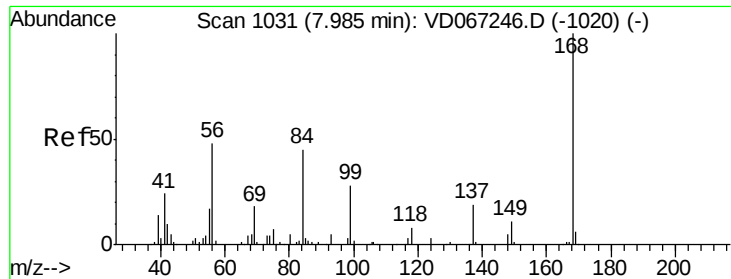
#30
Chloroform
Concen: 21.887 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	47.3	70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





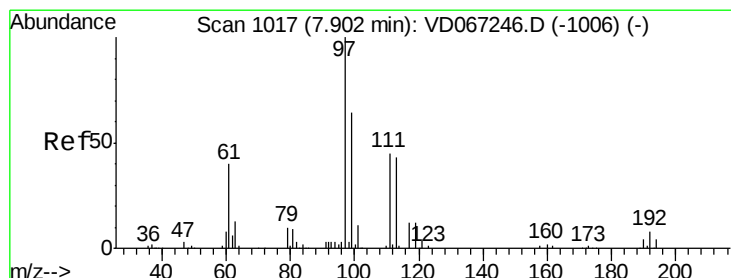
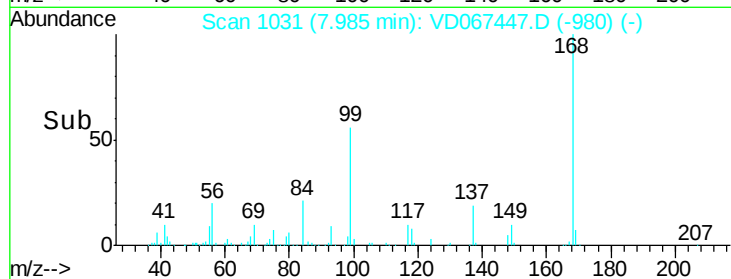
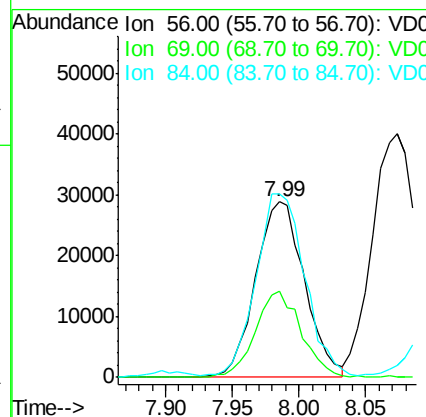
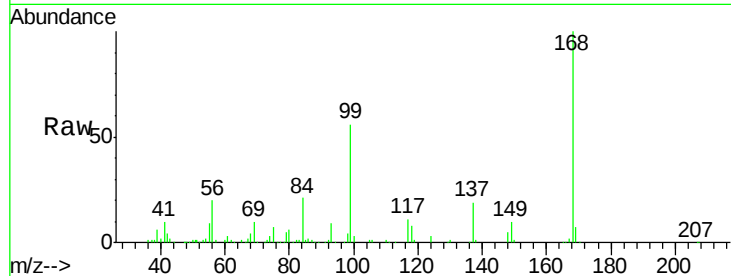
#31
Cyclohexane
Concen: 20.298 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	56	Resp	73461
Ion	Ratio	Lower	Upper
56	100		
69	49.1	29.8	44.6#
84	103.2	76.6	114.8

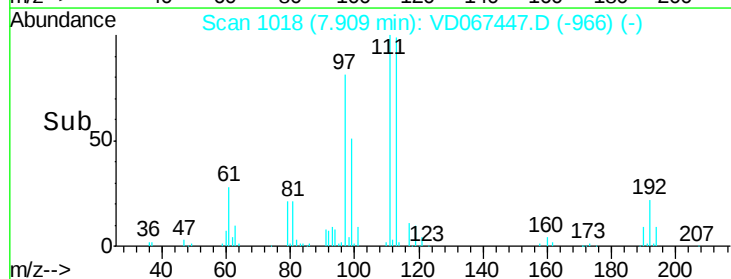
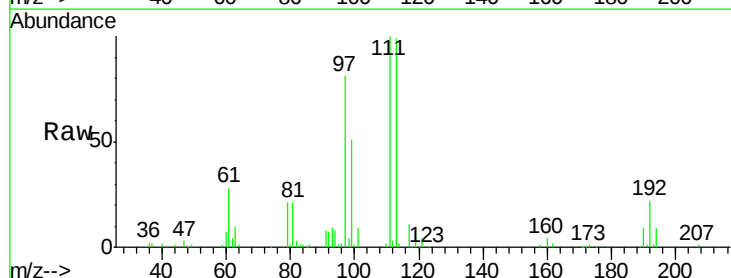
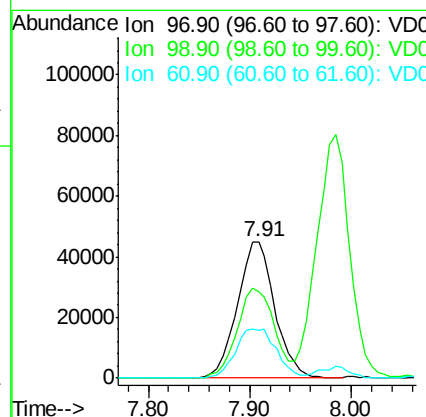
Manual Integrations
APPROVED

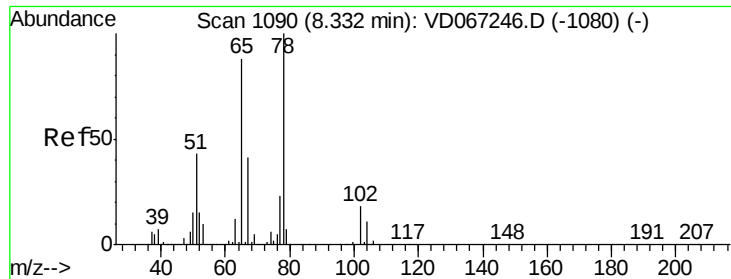
MMDadoda
10/30/2020 1:34:53 PM



#32
1,1,1-Trichloroethane
Concen: 21.044 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	97	Resp	114337
Ion	Ratio	Lower	Upper
97	100		
99	65.2	50.2	75.4
61	39.5	30.5	45.7





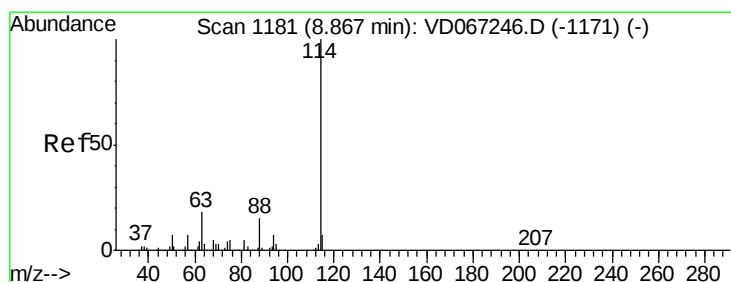
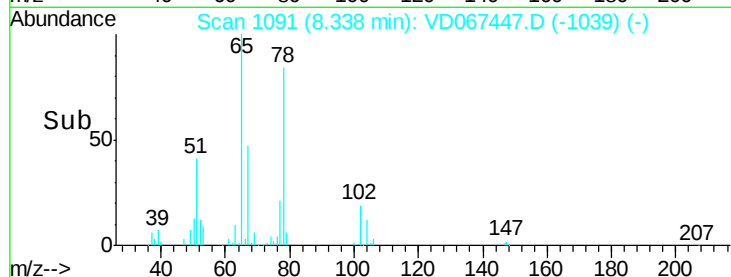
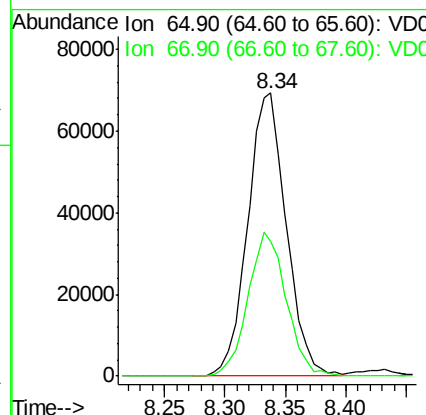
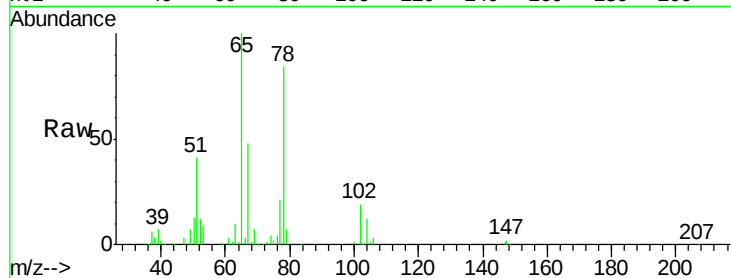
#33
 1,2-Dichloroethane-d4
 Concen: 49.168 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	154497		
67	50.6	0.0	103.8	

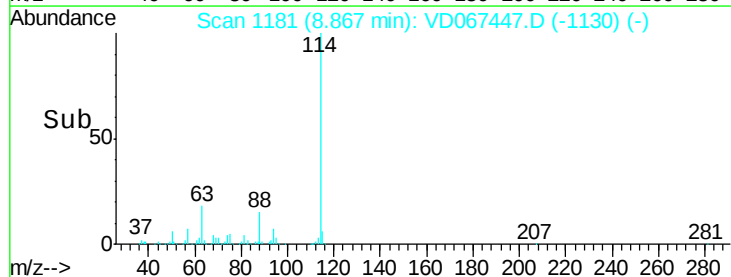
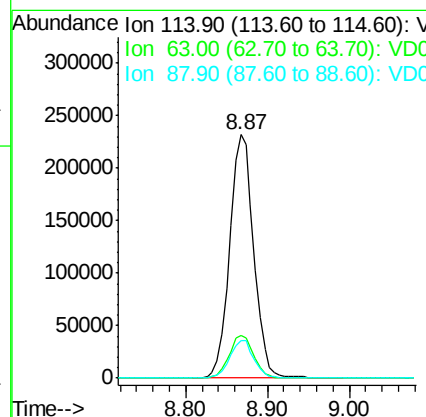
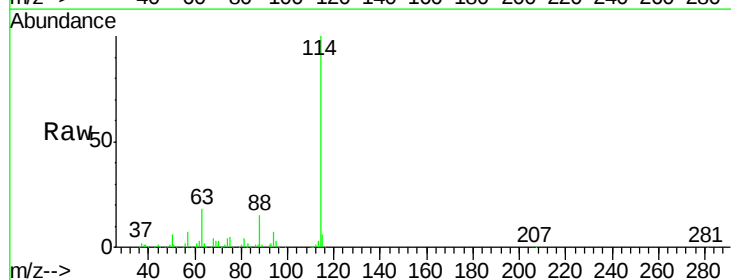
Manual Integrations
 APPROVED

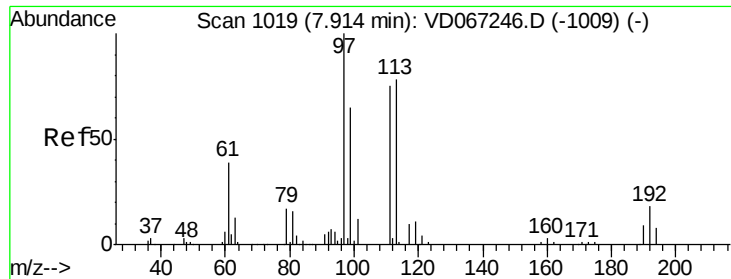
MMDadoda
 10/30/2020 1:34:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	472724		
63	17.7	0.0	35.0	
88	15.4	0.0	30.6	





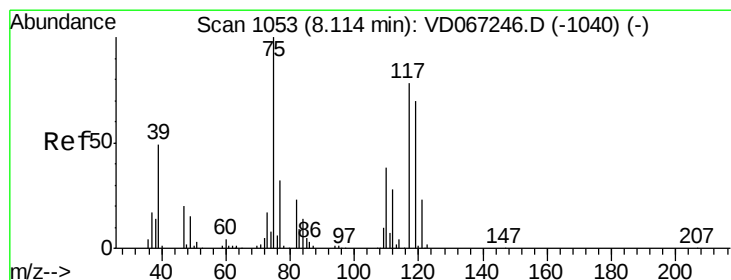
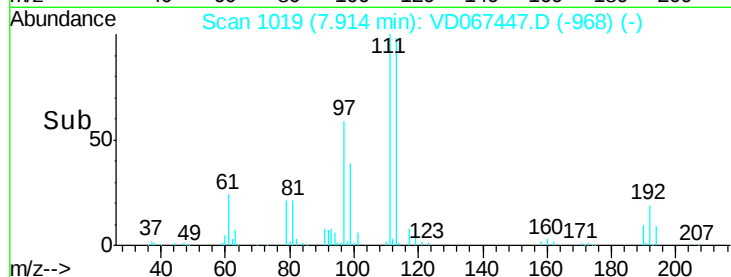
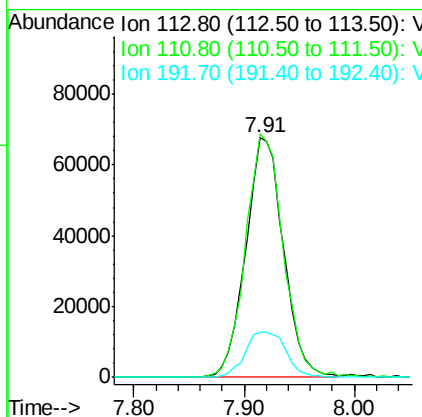
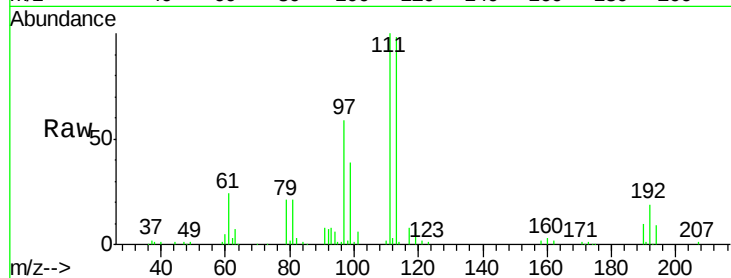
#35
Dibromofluoromethane
Concen: 51.557 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162198		
111	102.0	81.6	122.4	
192	20.5	17.0	25.4	

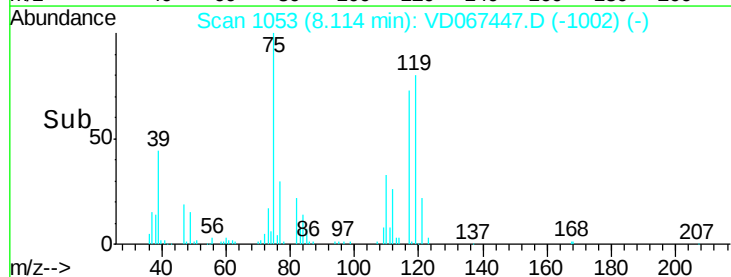
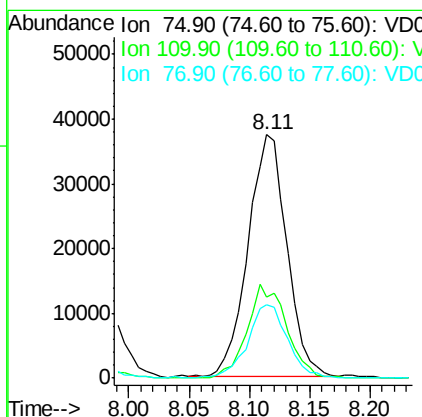
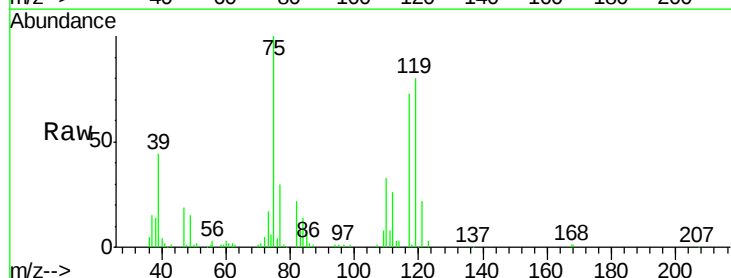
Manual Integrations
APPROVED

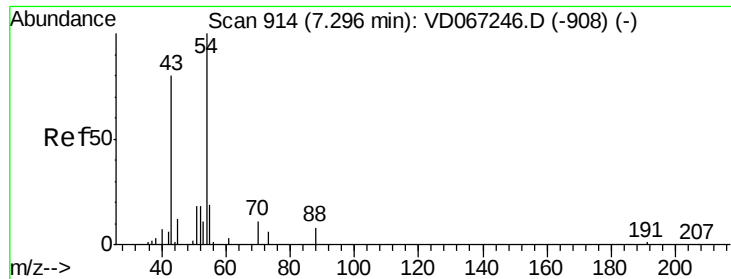
MMDadoda
10/30/2020 1:34:53 PM



#36
1,1-Dichloropropene
Concen: 21.084 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84475		
110	39.0	19.6	58.7	
77	30.9	24.6	37.0	





#37

Ethyl Acetate

Concen: 19.042 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

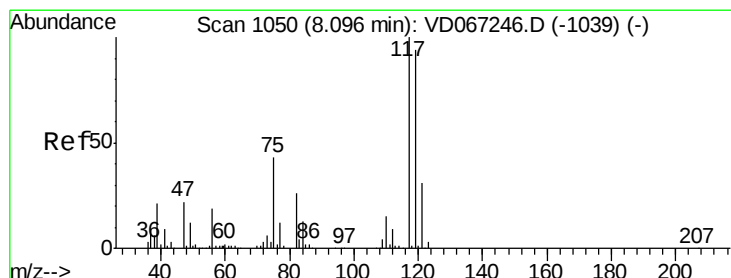
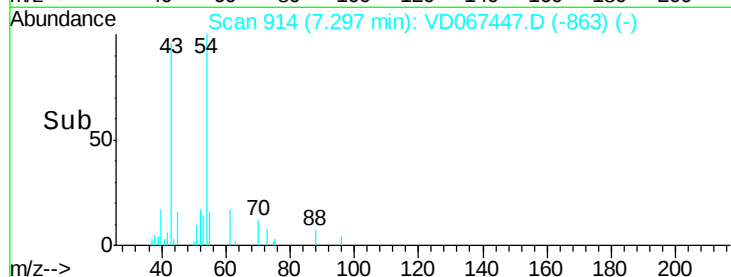
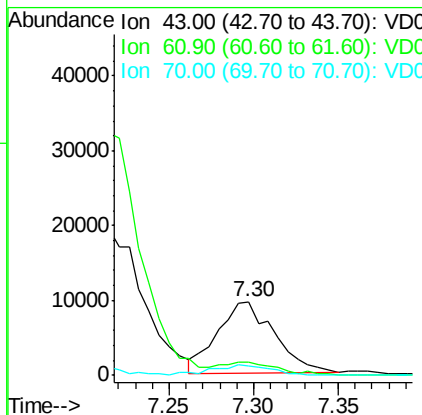
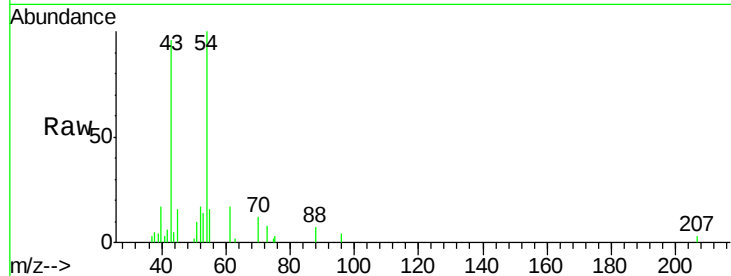
ClientSampleId :

VD1029SBS01

Tot Ion:	43	Resp:	22447
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.6	23.4
70	14.9	10.4	15.6

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#38

Carbon Tetrachloride

Concen: 20.854 ug/l

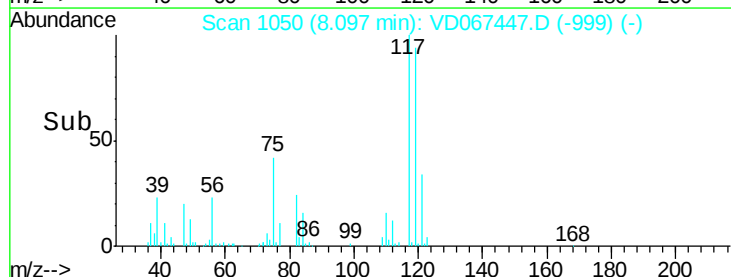
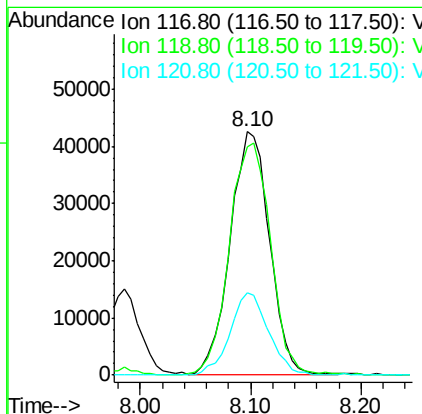
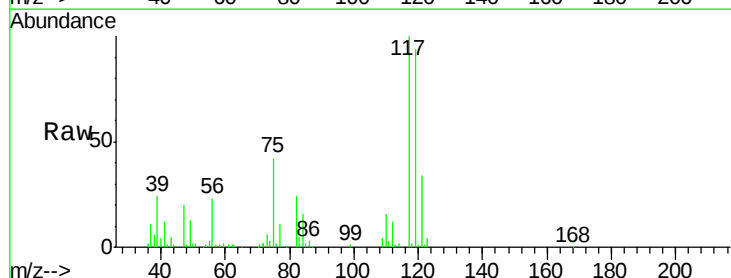
RT: 8.10 min Scan# 1050

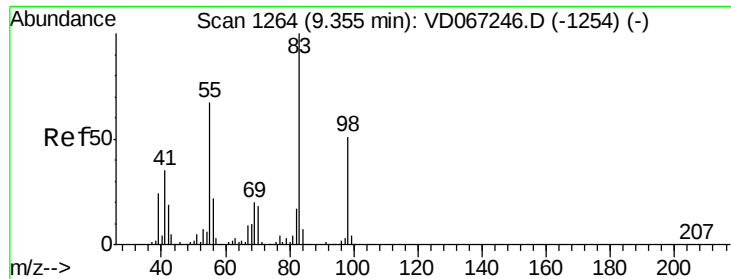
Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	117	Resp:	106789
Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.0	112.4
121	34.1	24.9	37.3





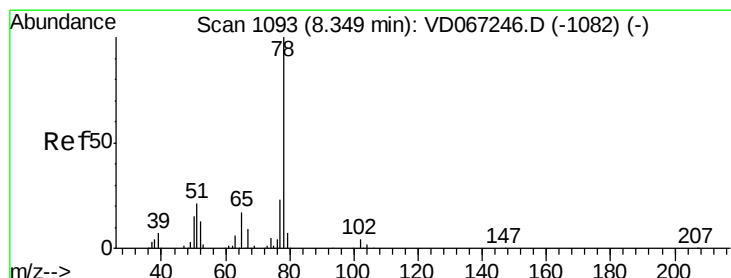
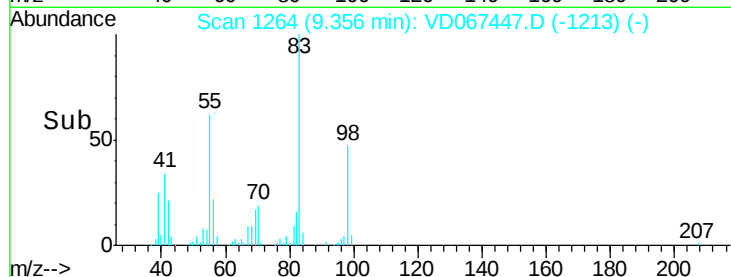
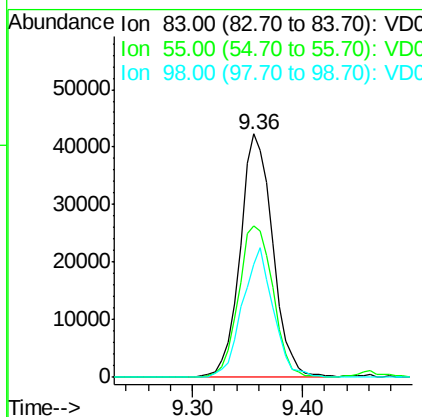
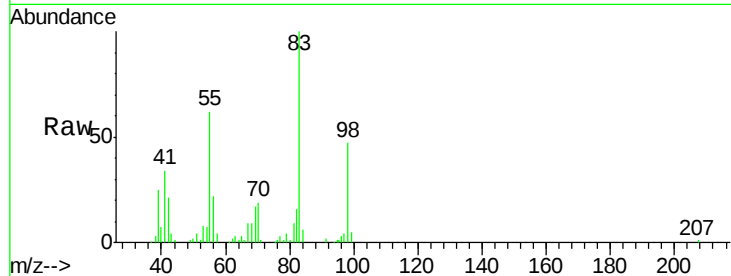
#39
Methvlcvclohexane
Concen: 20.949 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	83	Resp	87749
Ion Ratio	100	Lower	Upper
83	100		
55	62.4	53.3	79.9
98	46.6	41.0	61.4

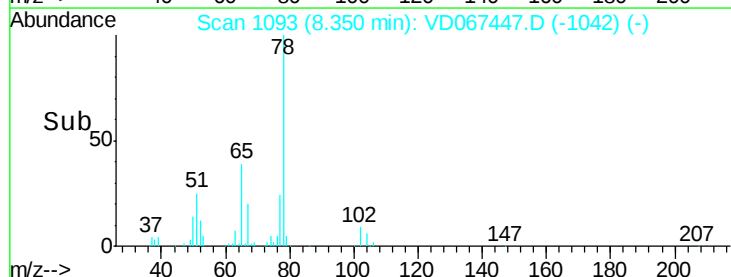
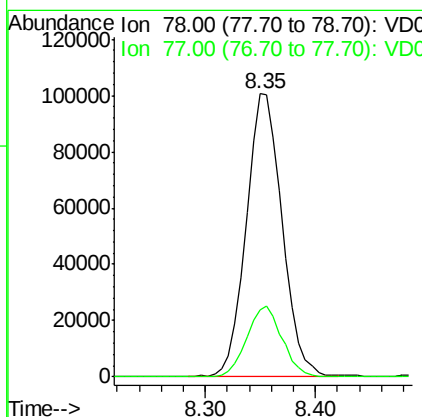
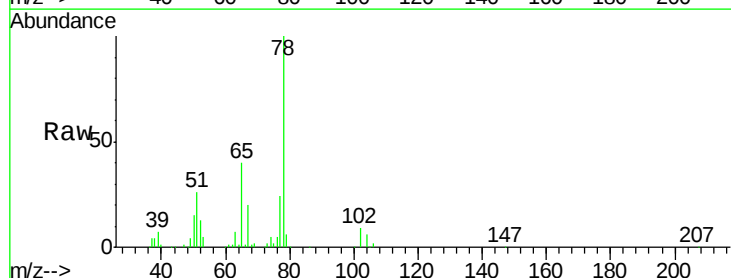
Manual Integrations
APPROVED

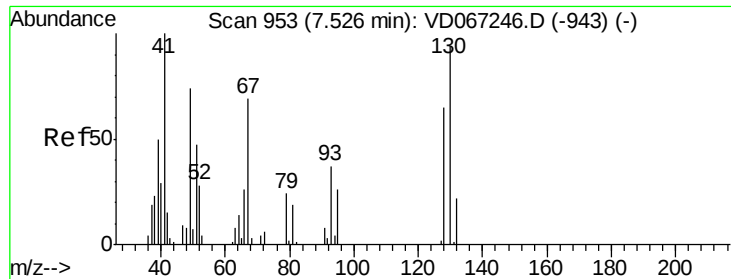
MMDadoda
10/30/2020 1:34:53 PM



#40
Benzene
Concen: 20.990 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	78	Resp	230716
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.3	27.5





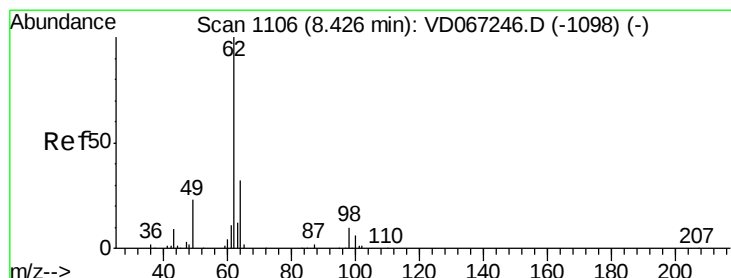
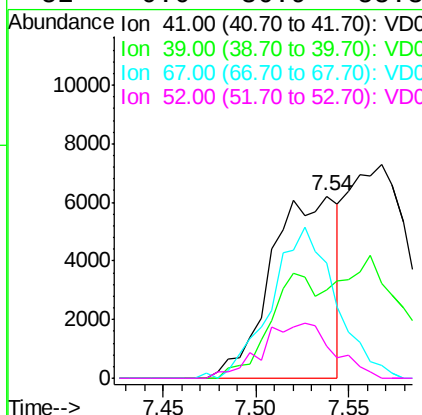
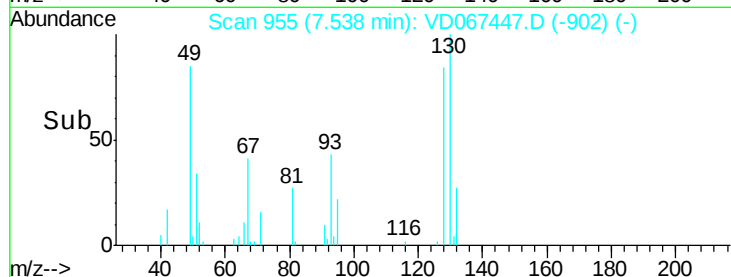
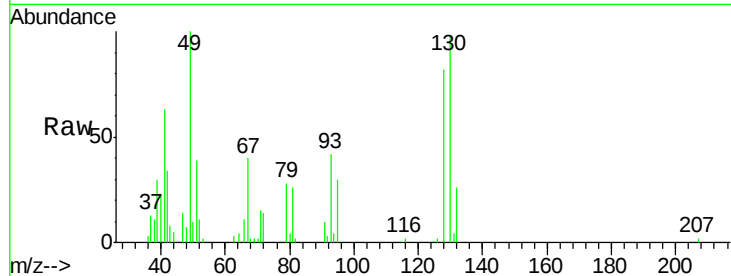
#41
Methacrylonitrile
Concen: 24.406 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

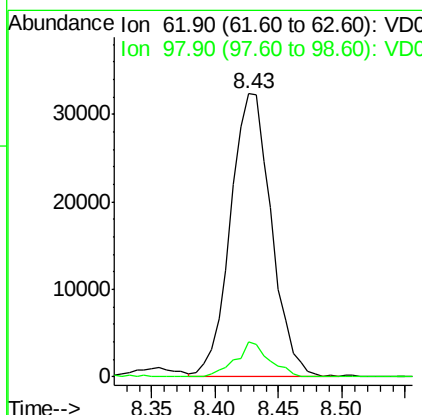
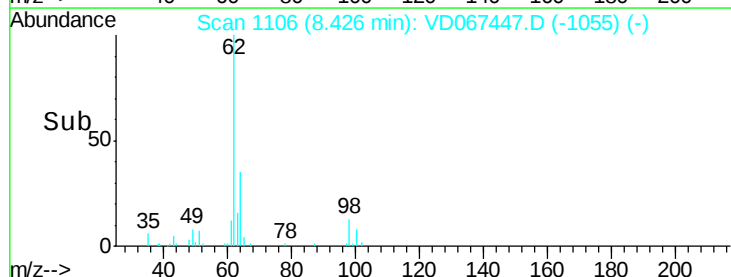
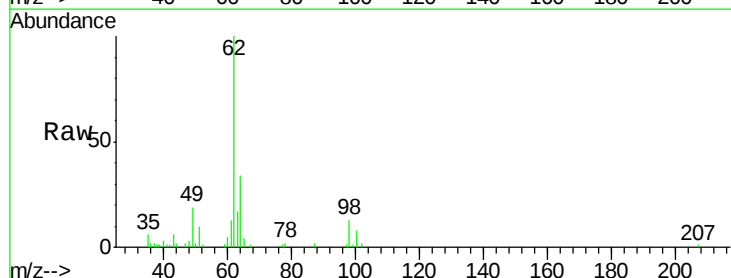
Manual Integrations
APPROVED

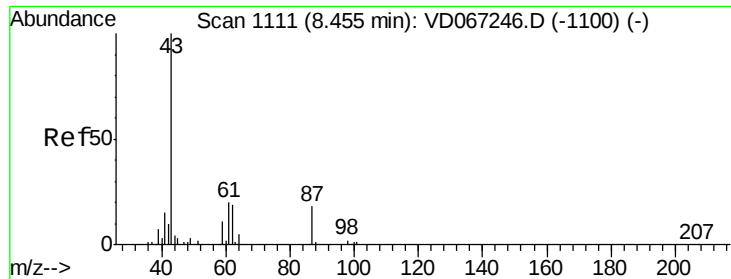
MMDadoda
10/30/2020 1:34:53 PM



#42
1,2-Dichloroethane
Concen: 21.042 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.497 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

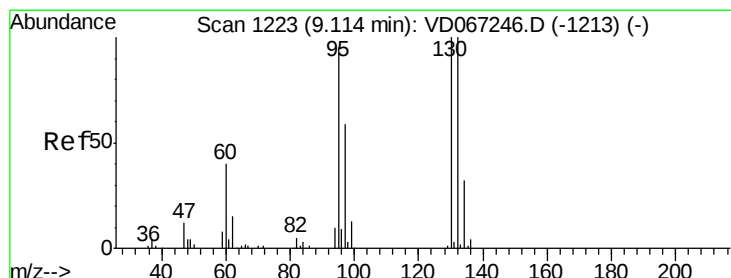
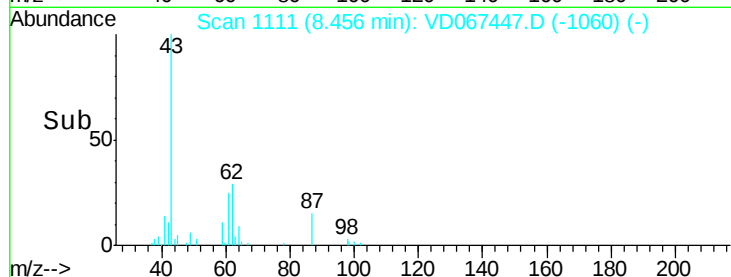
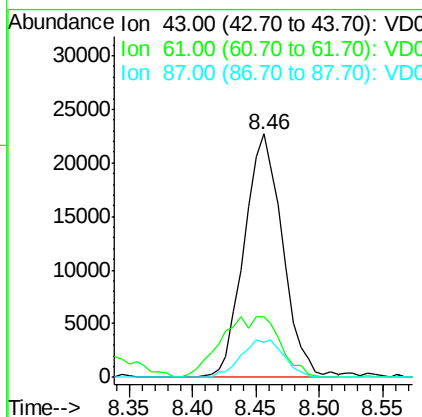
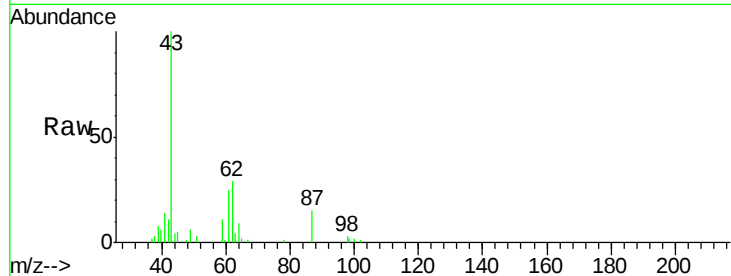
ClientSampleId :

VD1029SBS01

Tot Ion:	43	Resp:	47944
Ion	Ratio	Lower	Upper
43	100		
61	38.4	29.5	44.3
87	17.2	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#44

Trichloroethene

Concen: 21.662 ug/l

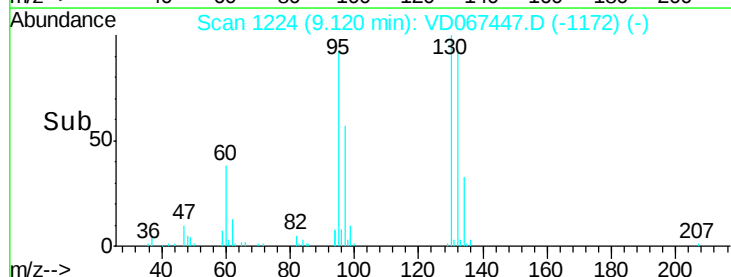
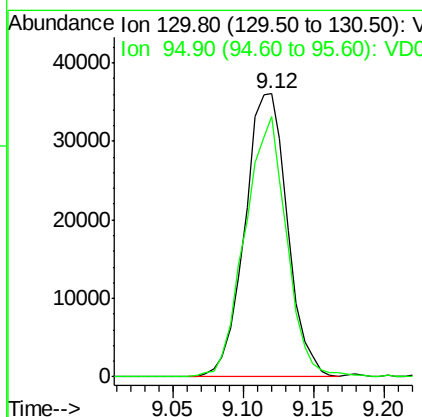
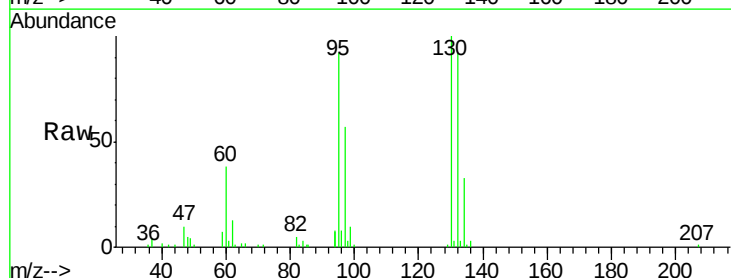
RT: 9.12 min Scan# 1224

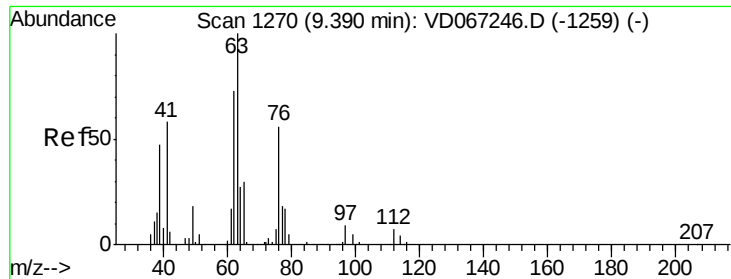
Delta R.T. 0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	130	Resp:	76235
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	190.6





#45

1,2-Dichloropropane

Concen: 21.385 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 63 Resp: 54477

Ion Ratio Lower Upper

63 100

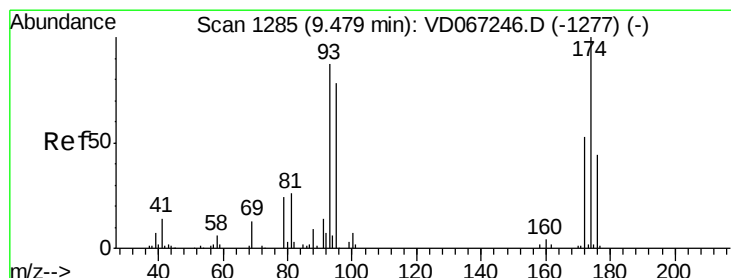
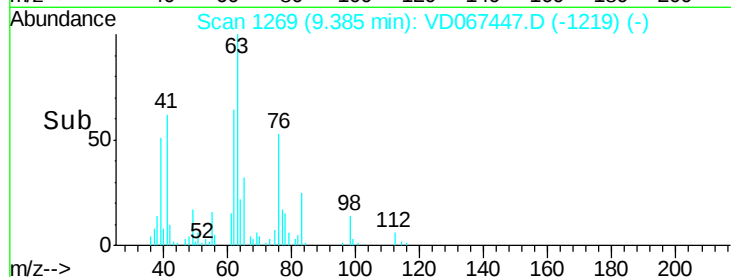
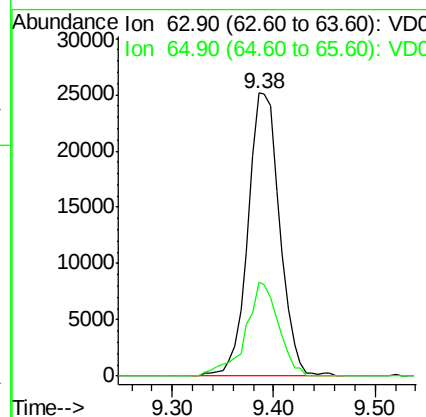
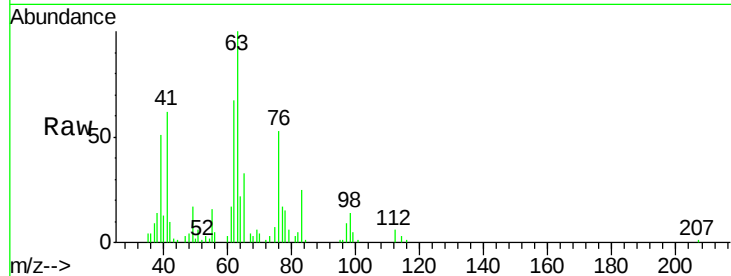
65 33.4 24.6 36.8

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#46

Dibromomethane

Concen: 20.335 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

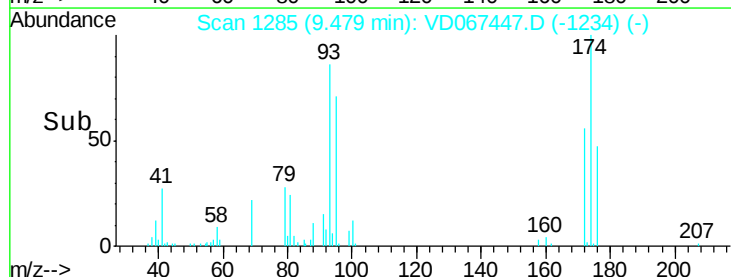
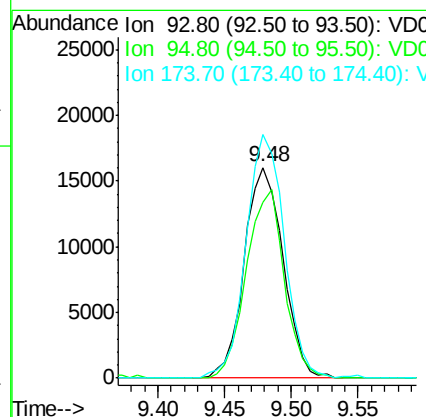
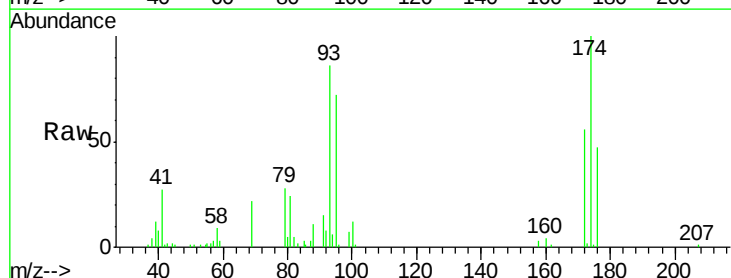
Tgt Ion: 93 Resp: 32275

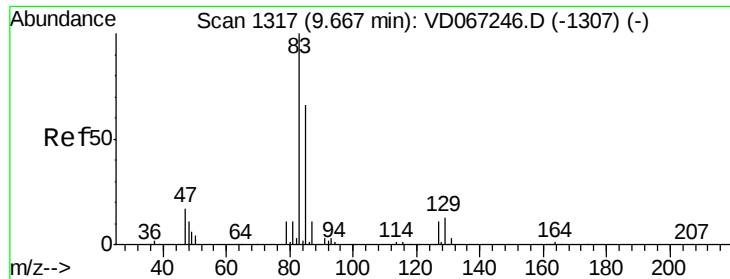
Ion Ratio Lower Upper

93 100

95 87.3 68.0 102.0

174 113.7 91.8 137.6





#47

Bromodichloromethane

Concen: 21.067 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

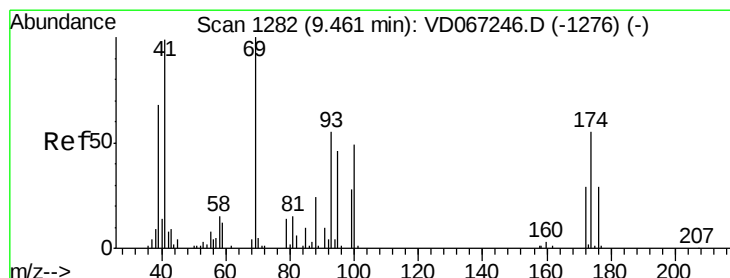
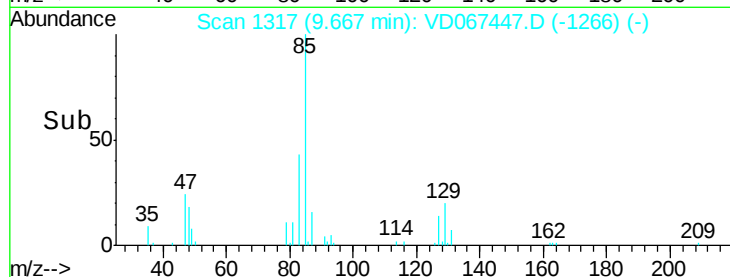
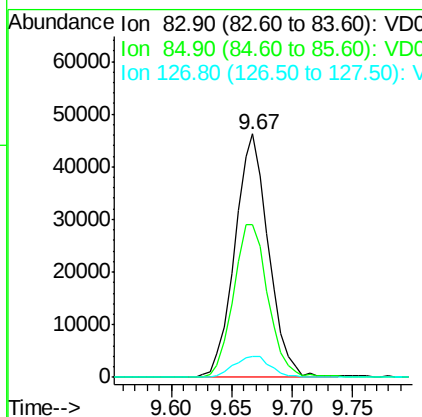
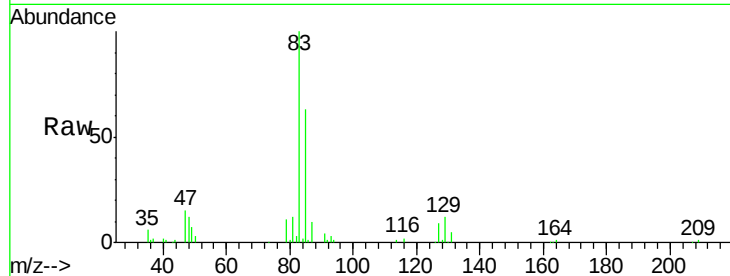
ClientSampleId :

VD1029SBS01

Tot Ion:	83	Resp:	89585
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.1	79.7
127	8.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#48

Methyl methacrylate

Concen: 19.890 ug/l

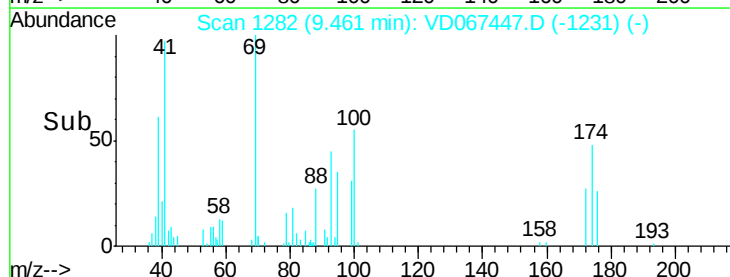
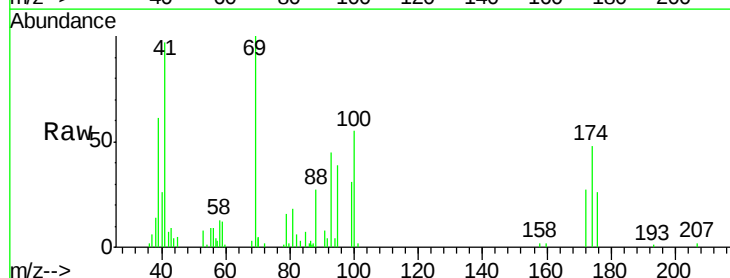
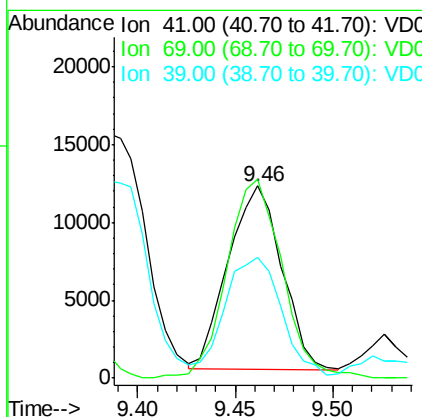
RT: 9.46 min Scan# 1282

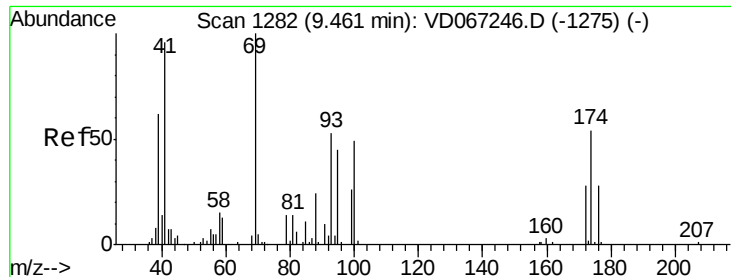
Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	41	Resp:	22610
Ion	Ratio	Lower	Upper
41	100		
69	111.1	89.0	133.6
39	70.3	60.2	90.2





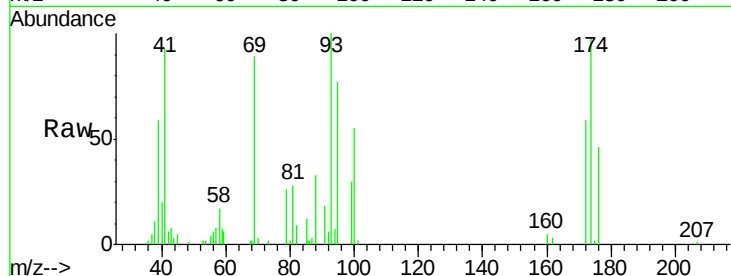
#49
1,4-Dioxane
Concen: 433.925 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

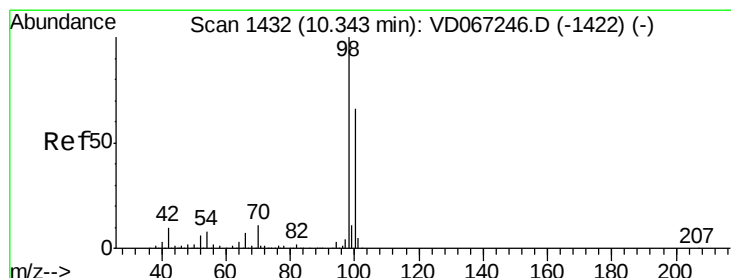
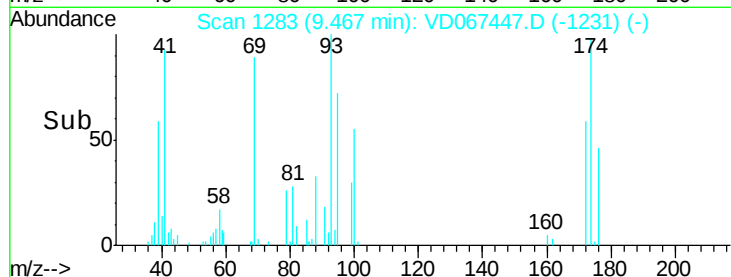
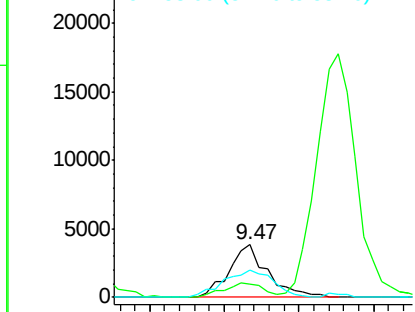
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.9	35.9
58	66.4	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM

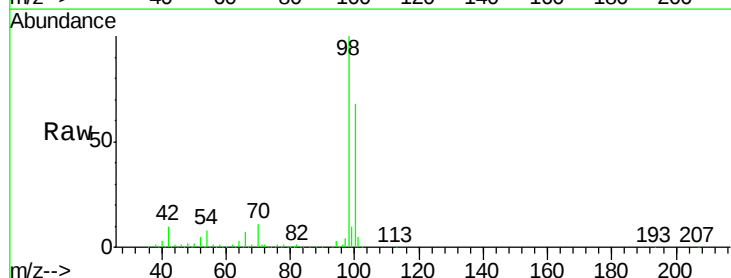


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

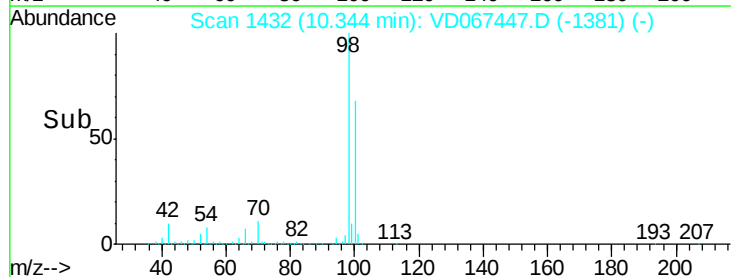
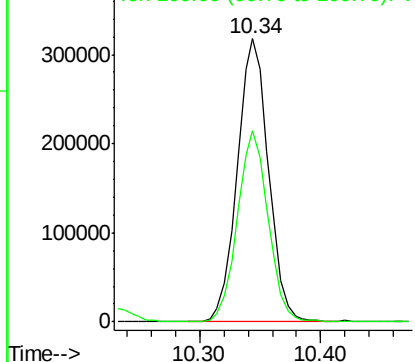


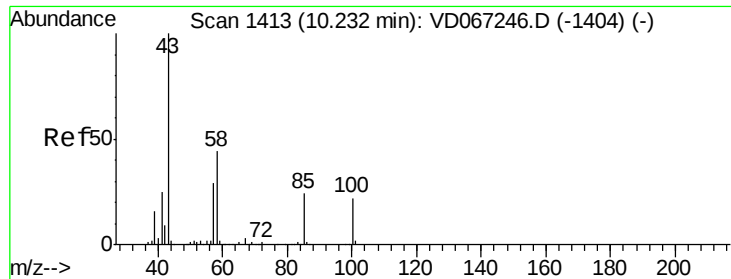
#50
Toluene-d8
Concen: 50.286 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.200 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 120401

Ion Ratio Lower Upper

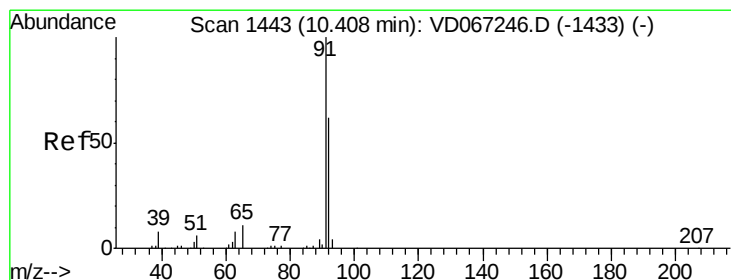
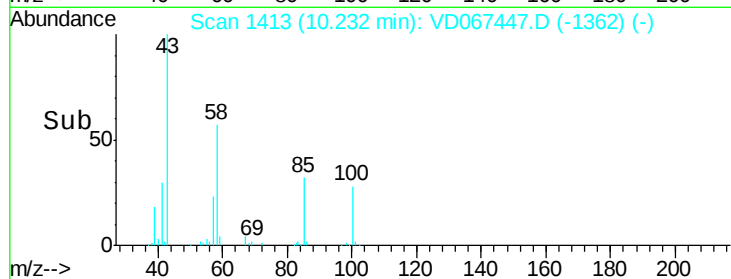
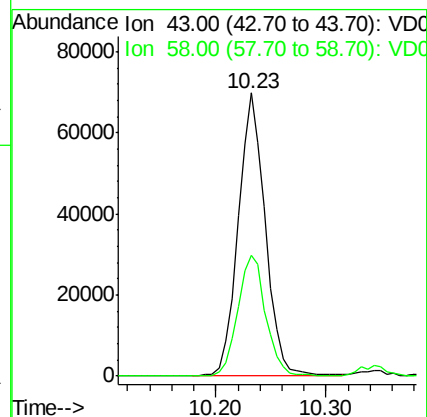
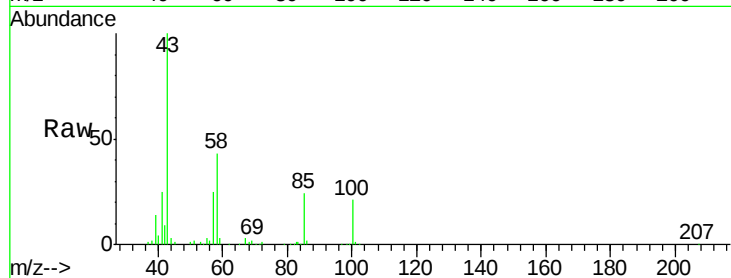
43 100

58 44.0 35.7 53.5

Manual Integrations
APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#52

Toluene

Concen: 21.698 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067447.D

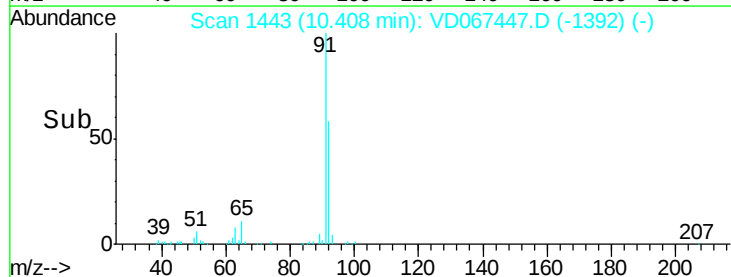
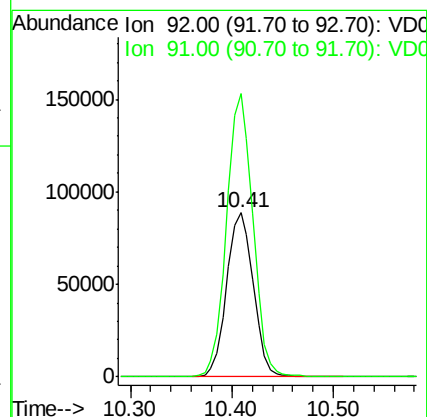
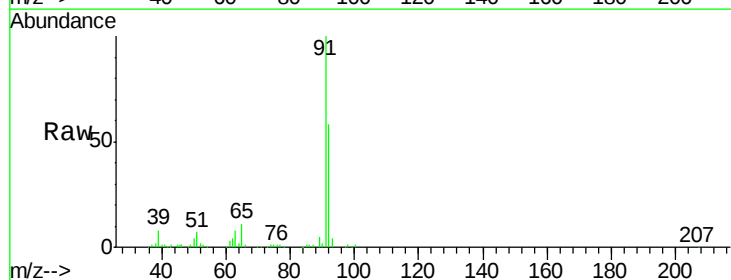
Acq: 29 Oct 2020 13:02

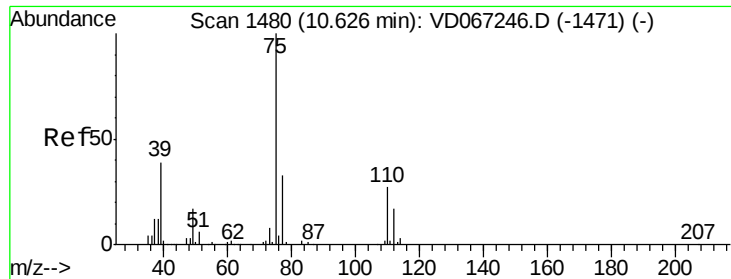
Tgt Ion: 92 Resp: 162444

Ion Ratio Lower Upper

92 100

91 170.1 133.8 200.8





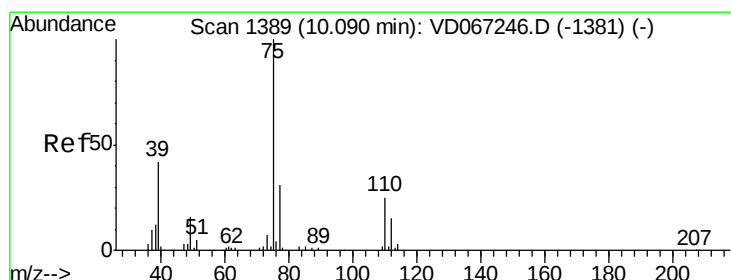
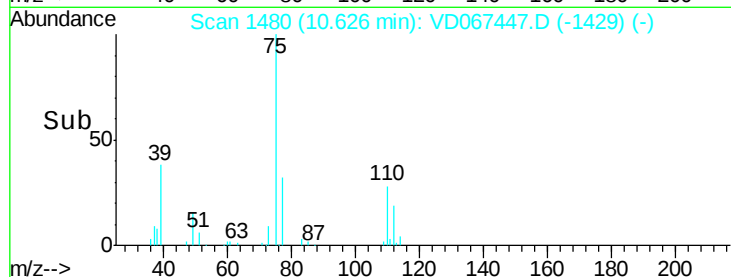
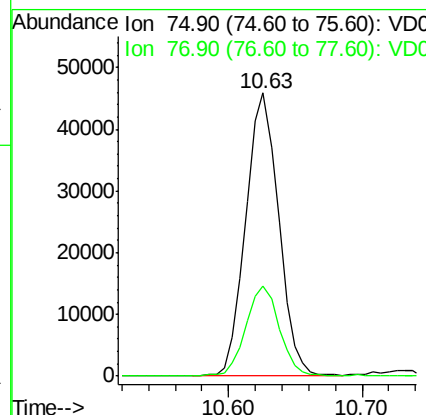
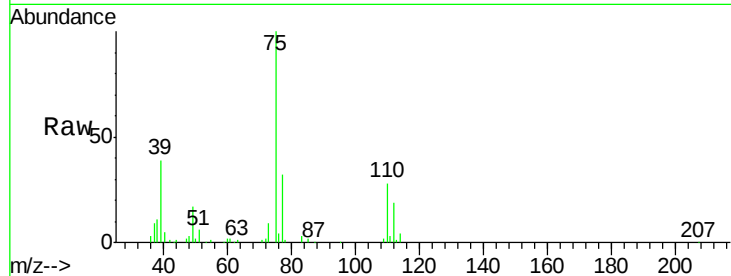
#53
 t-1,3-Dichloropropene
 Concen: 20.982 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 75 Resp: 78381
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7

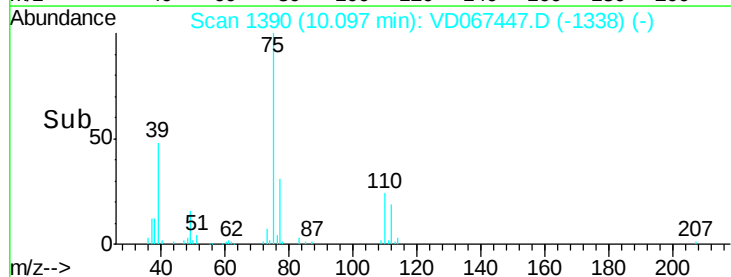
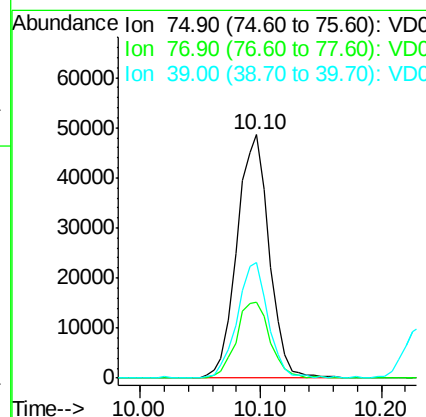
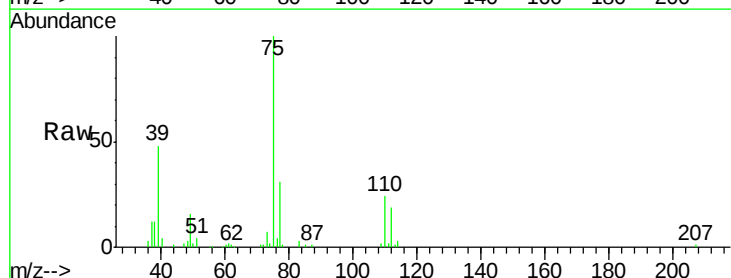
Manual Integrations
 APPROVED

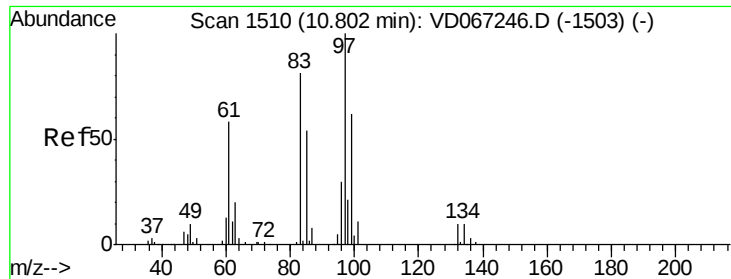
MMDadoda
 10/30/2020 1:34:53 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.668 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 75 Resp: 90357
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.5 36.7
 39 47.6 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 21.500 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

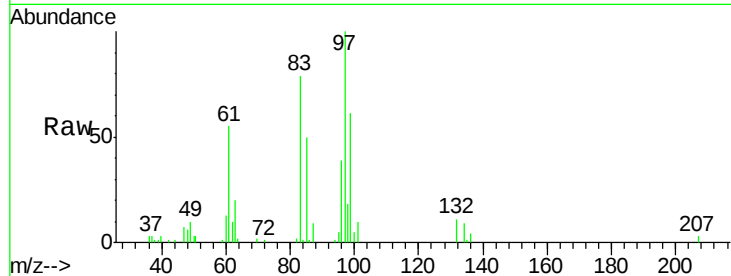
ClientSampleId :

VD1029SBS01

Tot Ion:	97	Resp:	46533
Ion	Ratio	Lower	Upper
97	100		
83	78.9	64.9	97.3
85	49.6	43.3	64.9
99	60.8	49.1	73.7

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM

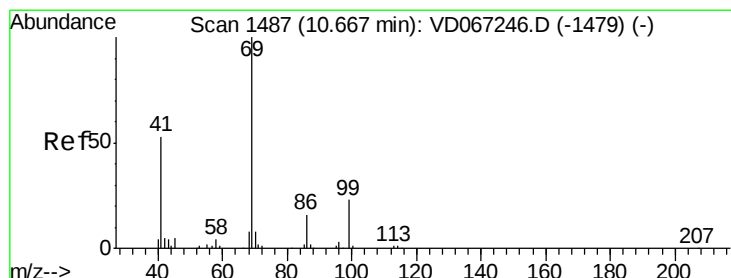
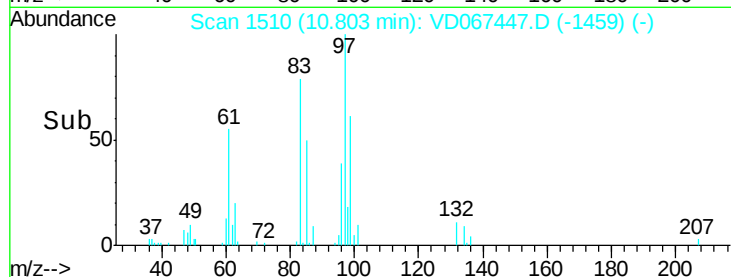
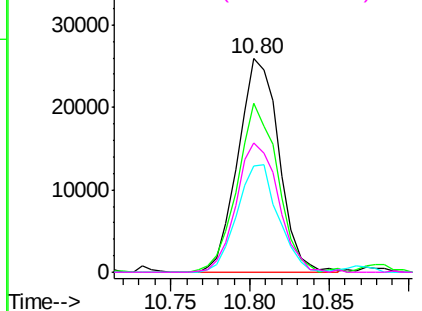


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.063 ug/l

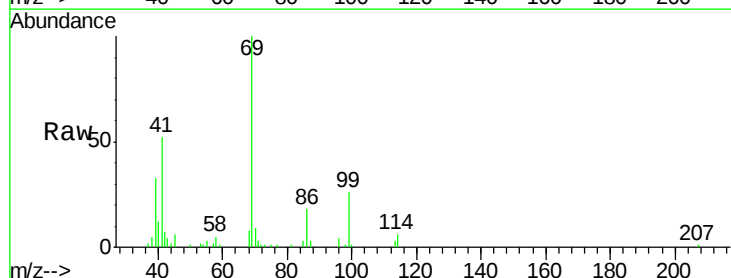
RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

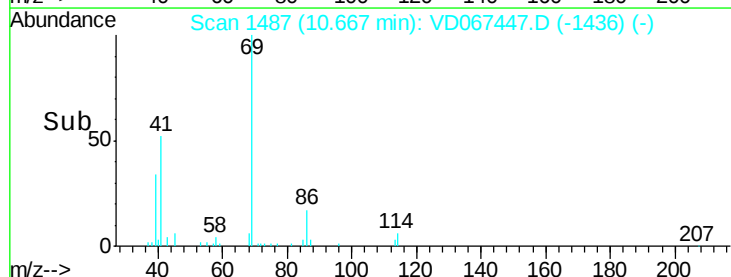
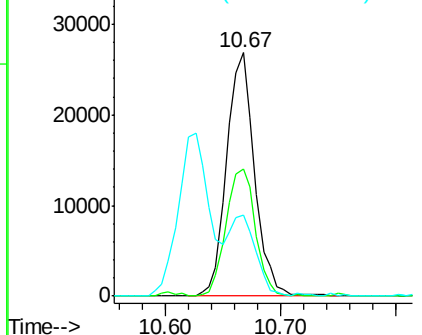
Tgt Ion:	69	Resp:	45035
Ion	Ratio	Lower	Upper
69	100		
41	55.3	44.7	67.1
39	31.6	26.2	39.2

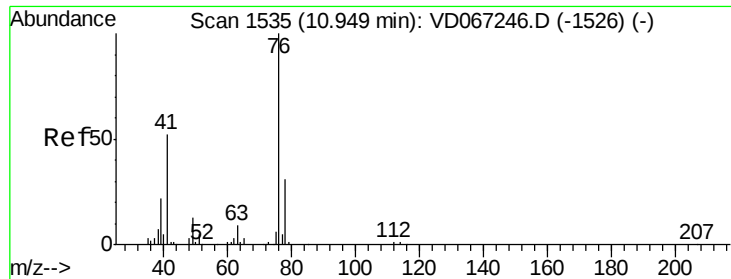


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





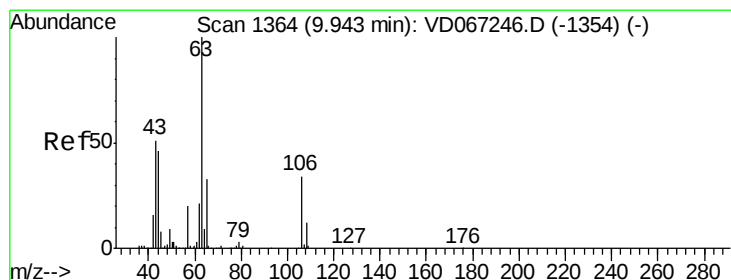
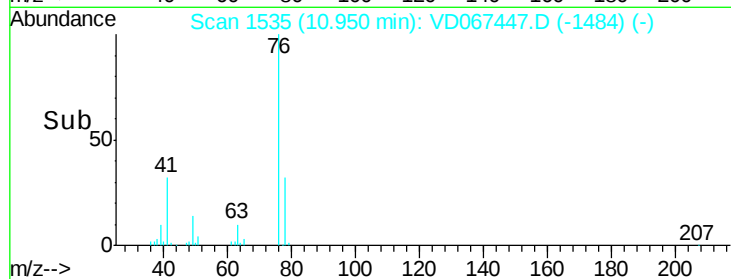
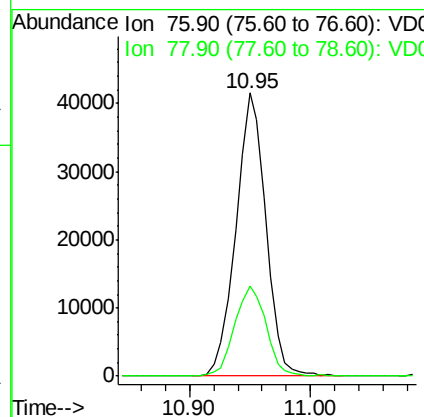
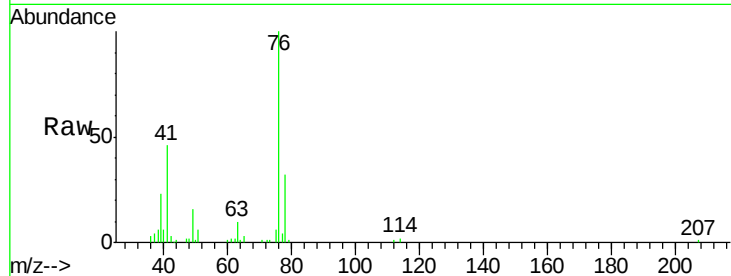
#57
 1,3-Dichloropropane
 Concen: 20.839 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 76 Resp: 71776
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.8 40.2

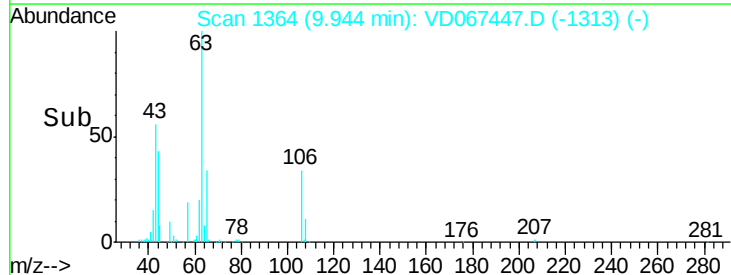
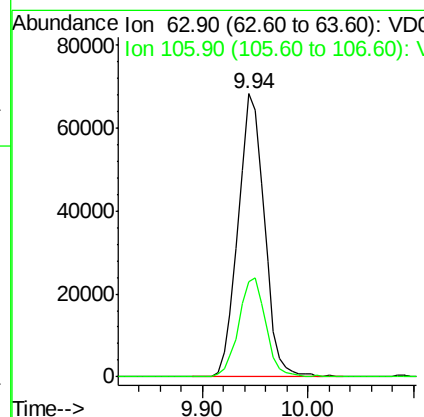
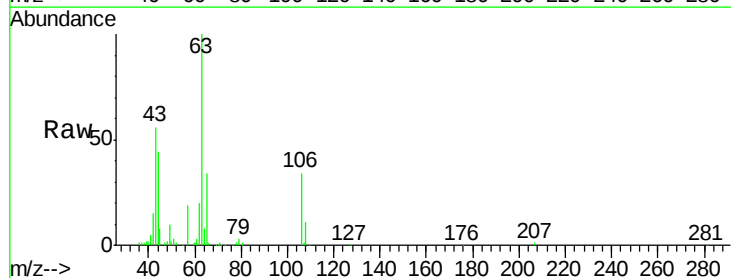
Manual Integrations
 APPROVED

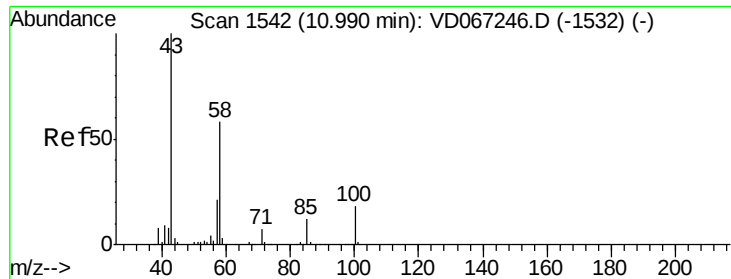
MMDadoda
 10/30/2020 1:34:53 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.867 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion: 63 Resp: 117301
 Ion Ratio Lower Upper
 63 100
 106 35.8 27.8 41.6





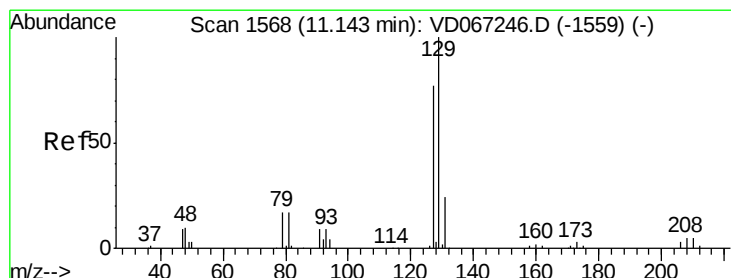
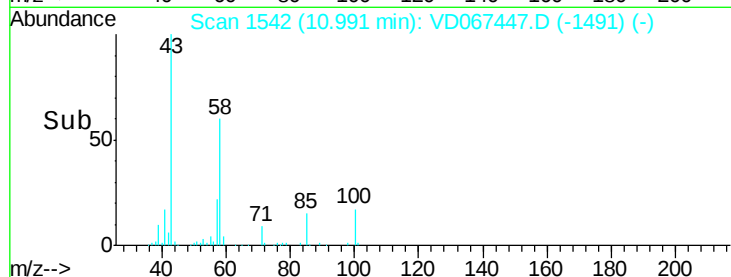
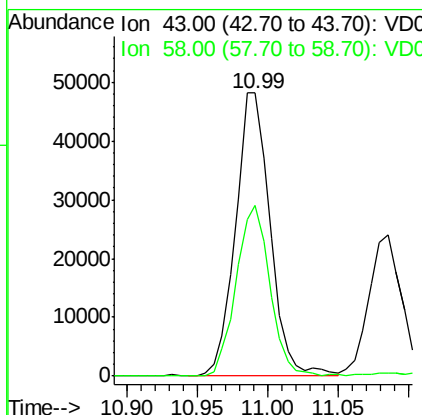
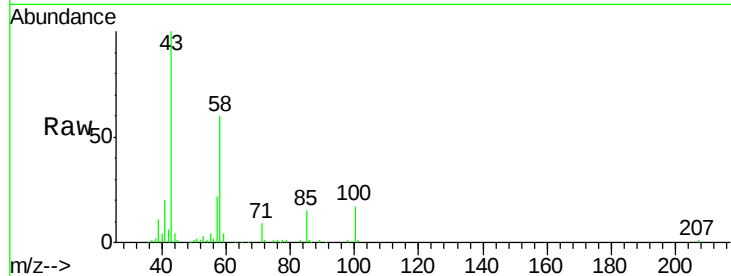
#59
2-Hexanone
Concen: 103.788 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 43 Resp: 82742
Ion Ratio Lower Upper
43 100
58 58.8 29.3 87.9

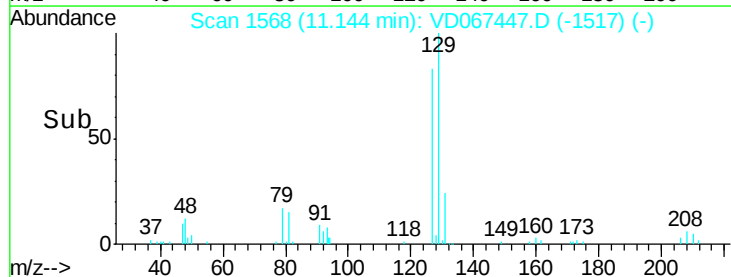
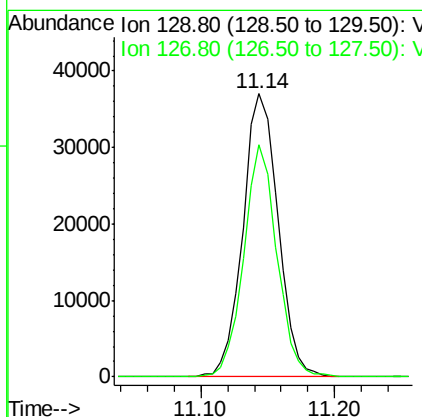
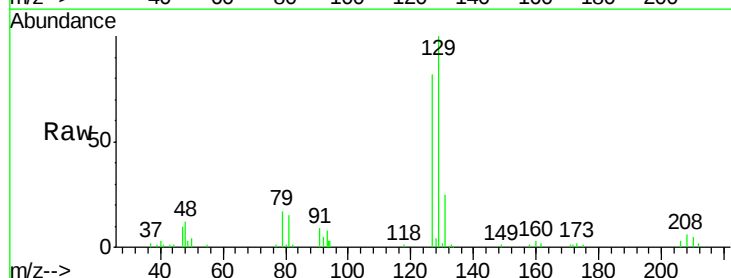
Manual Integrations
APPROVED

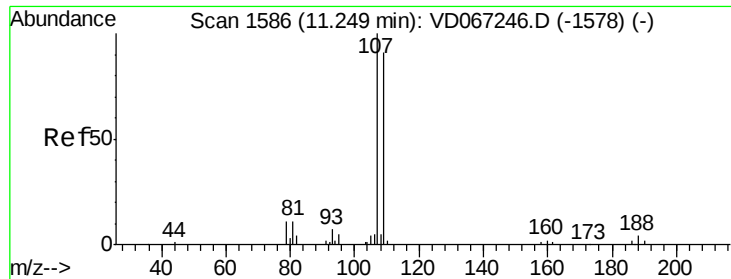
MMDadoda
10/30/2020 1:34:53 PM



#60
Dibromochloromethane
Concen: 21.339 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion: 129 Resp: 67353
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





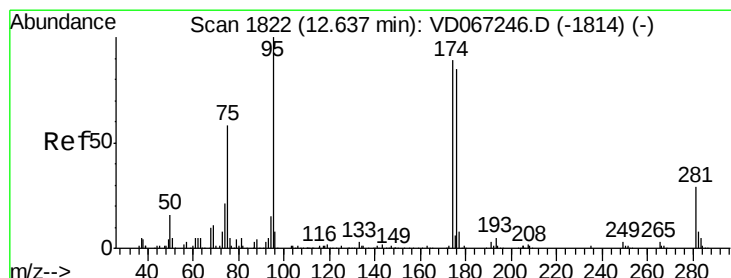
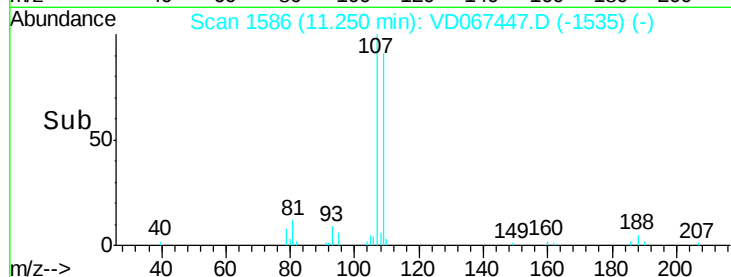
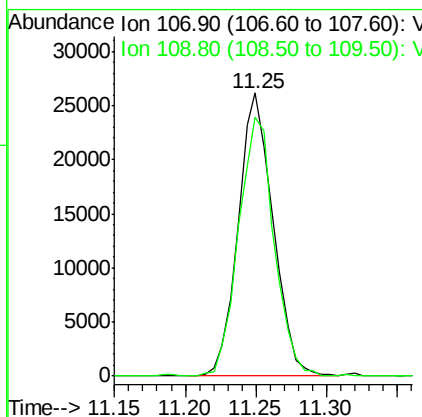
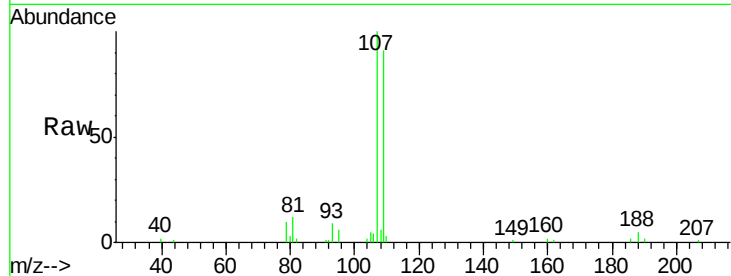
#61
1,2-Dibromoethane
Concen: 21.182 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	112.0

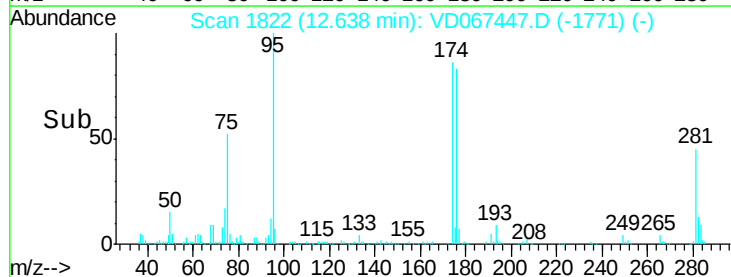
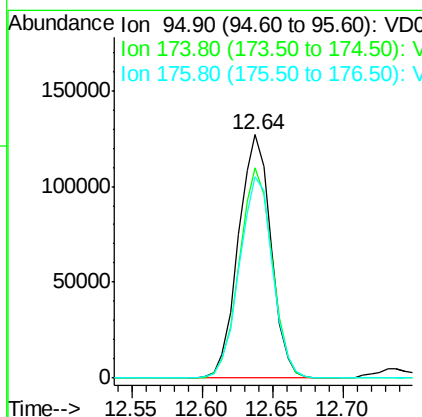
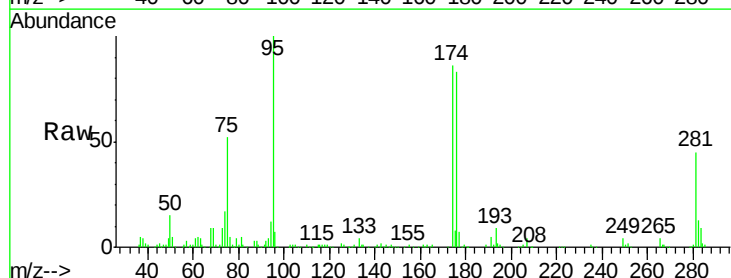
Manual Integrations
APPROVED

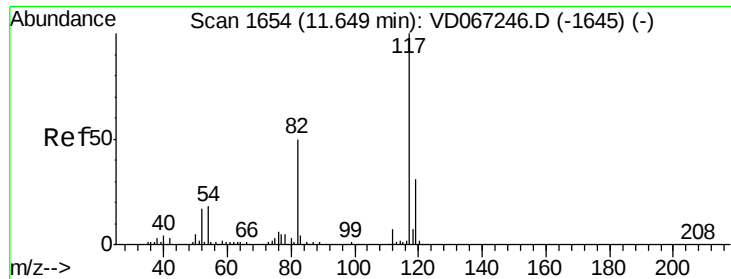
MMDadoda
10/30/2020 1:34:53 PM



#62
4-Bromofluorobenzene
Concen: 51.795 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	175.2
176	84.3	0.0	168.6





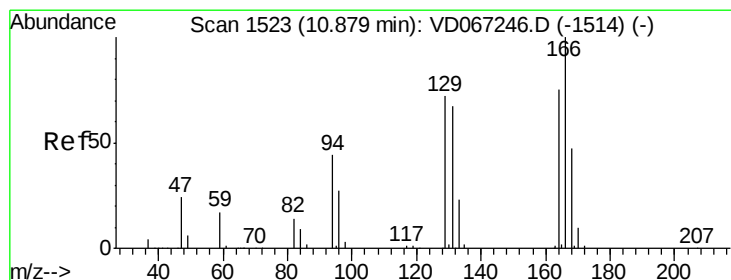
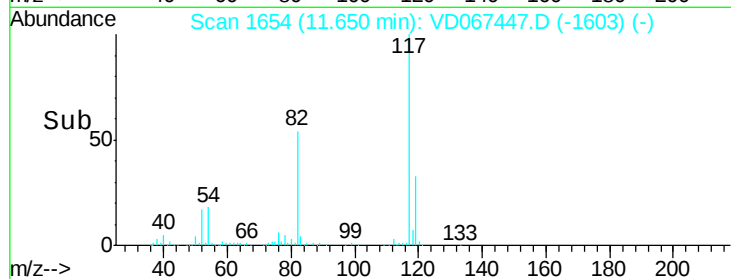
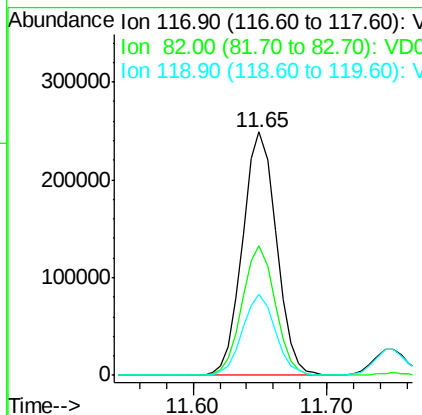
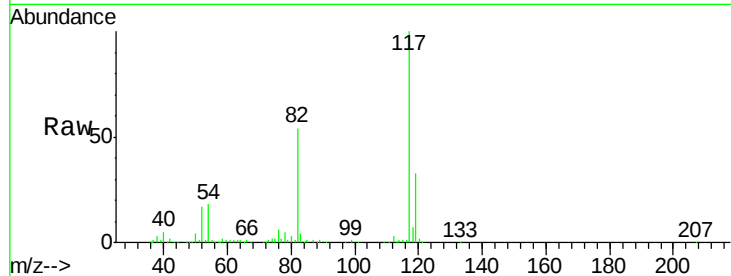
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	39.9	59.9
119	33.4	24.9	37.3

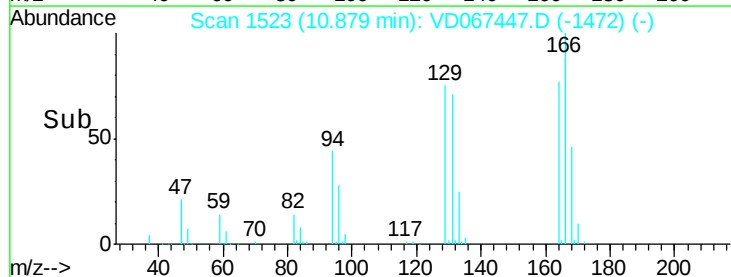
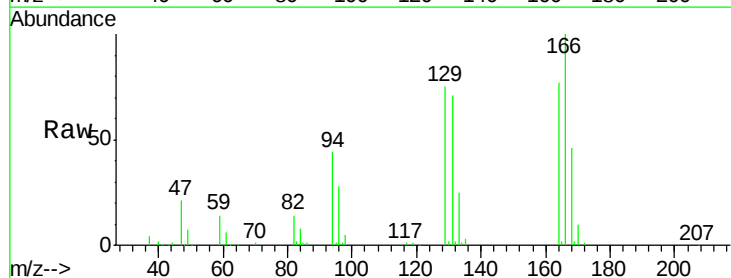
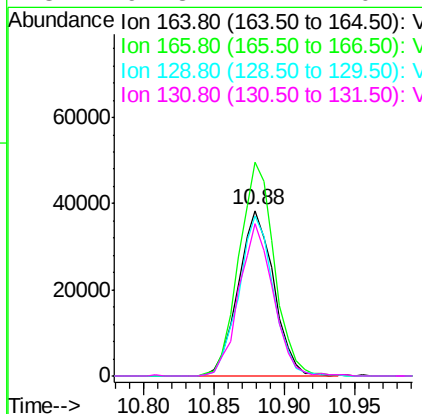
Manual Integrations
APPROVED

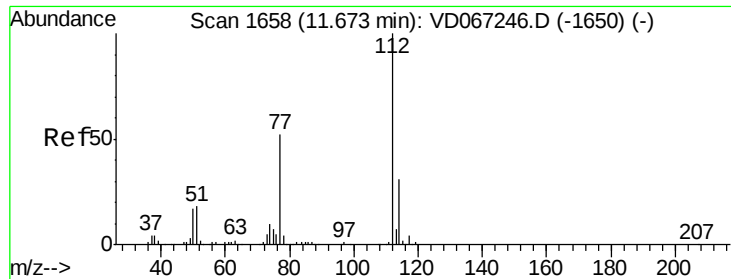
MMDadoda
10/30/2020 1:34:53 PM



#64
Tetrachloroethene
Concen: 21.481 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	107.3	160.9
129	96.7	77.3	115.9
131	92.3	71.4	107.2





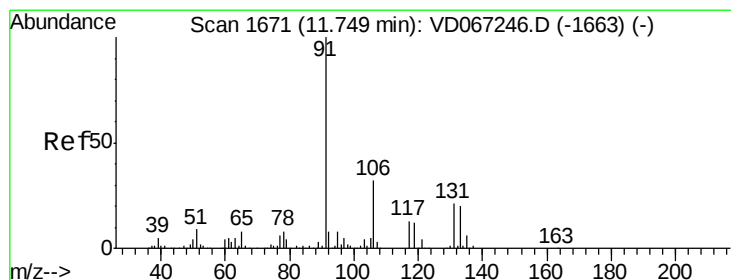
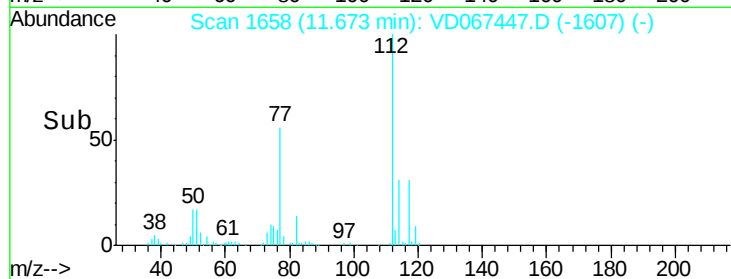
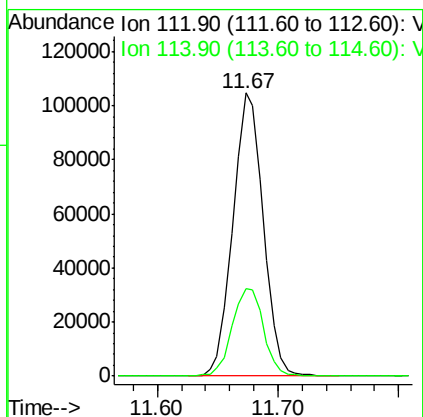
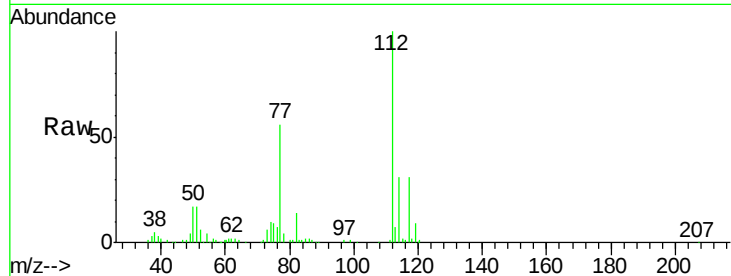
#65
Chlorobenzene
Concen: 21.909 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.0	37.4

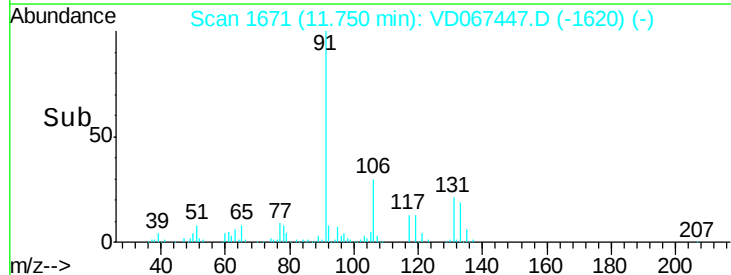
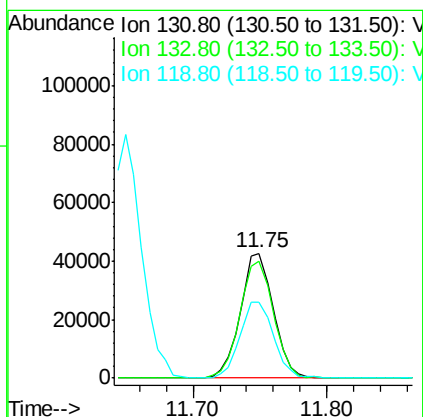
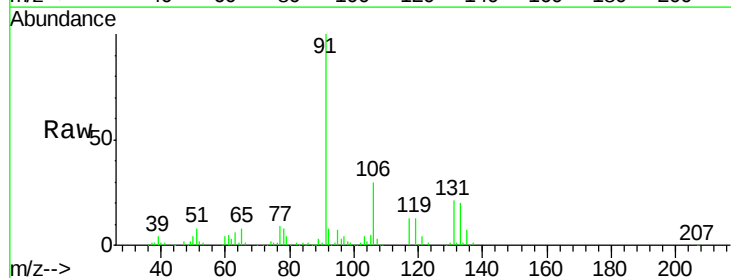
Manual Integrations
APPROVED

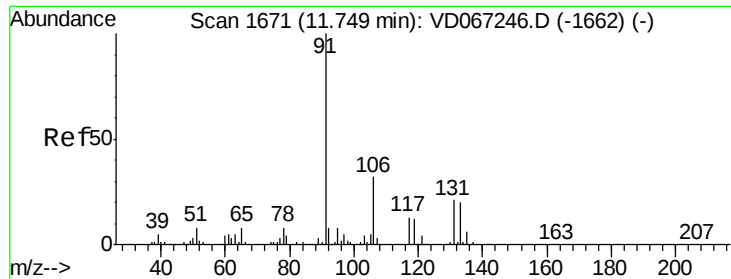
MMDadoda
10/30/2020 1:34:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.937 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.3
119	62.3	30.0	90.0





#67

Ethyl Benzene

Concen: 21.903 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 314199

Ion Ratio Lower Upper

91 100

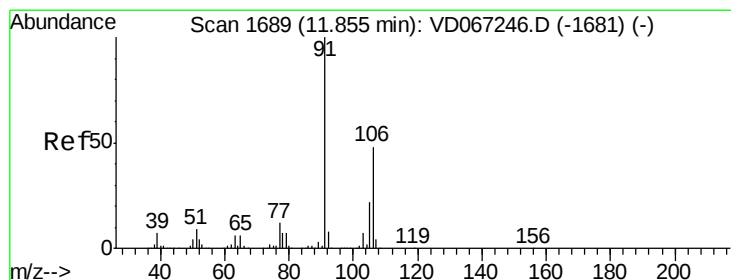
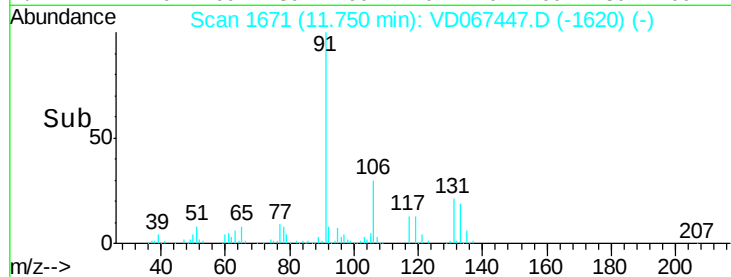
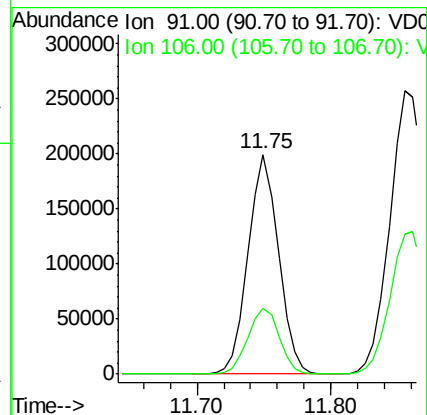
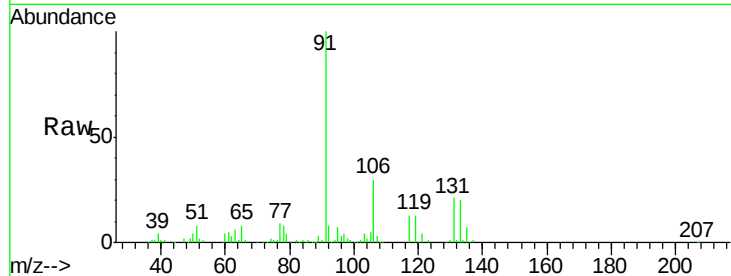
106 29.9 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#68

m/p-Xylenes

Concen: 44.646 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067447.D

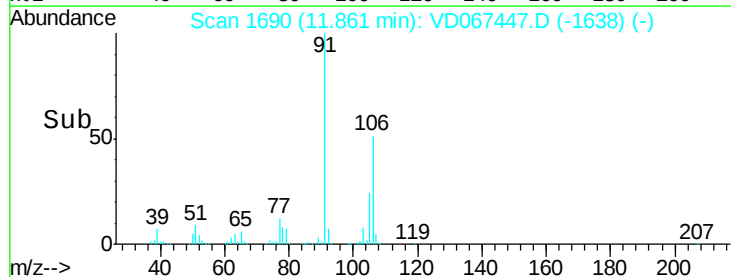
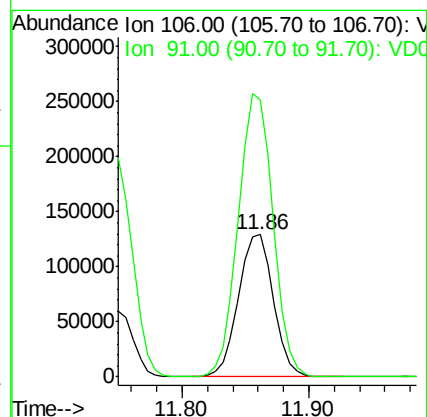
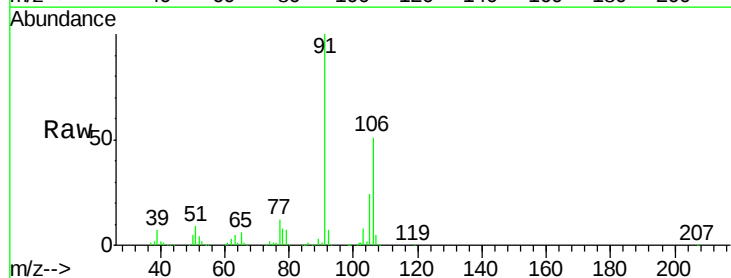
Acq: 29 Oct 2020 13:02

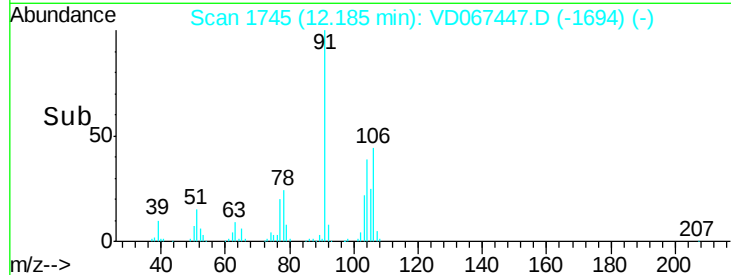
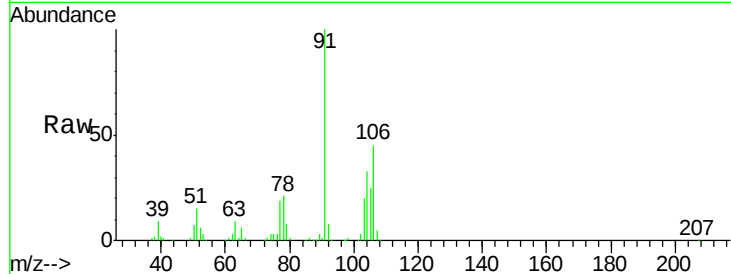
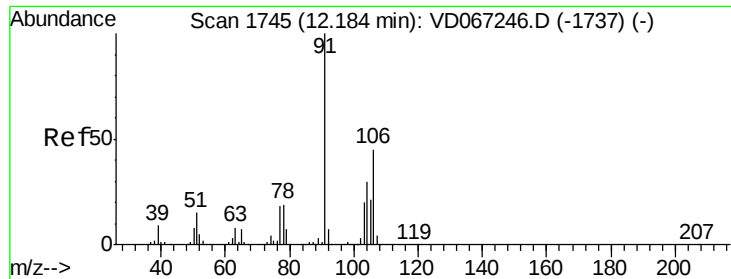
Tgt Ion: 106 Resp: 246628

Ion Ratio Lower Upper

106 100

91 198.9 163.8 245.8





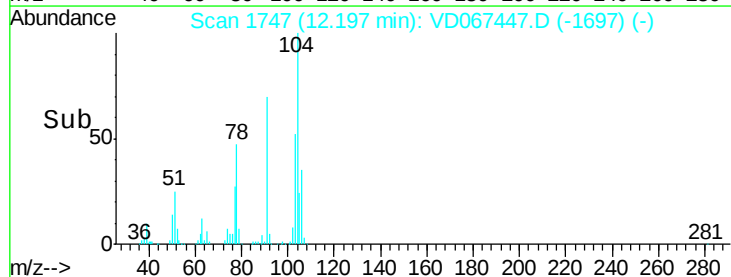
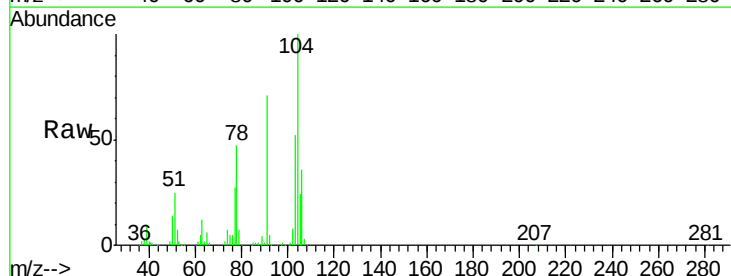
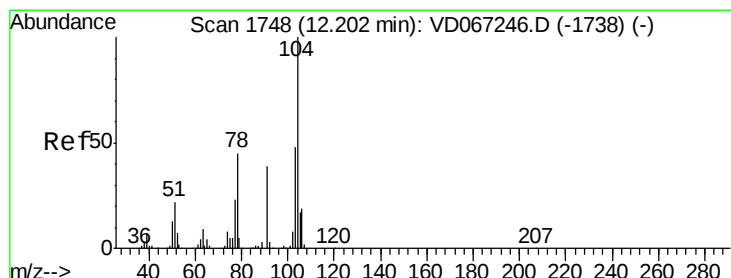
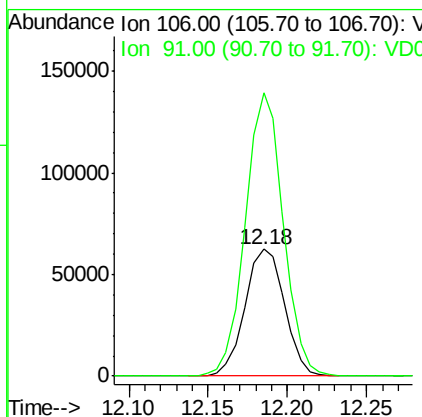
#69
o-Xylene
Concen: 21.172 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tot Ion	Ratio	Resp	Lower	Upper
106	100	108302		
91	213.3	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

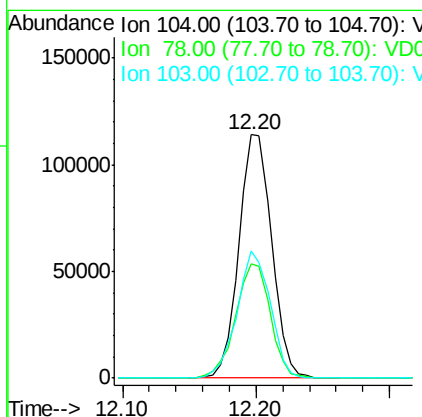
Manual Integrations
APPROVED

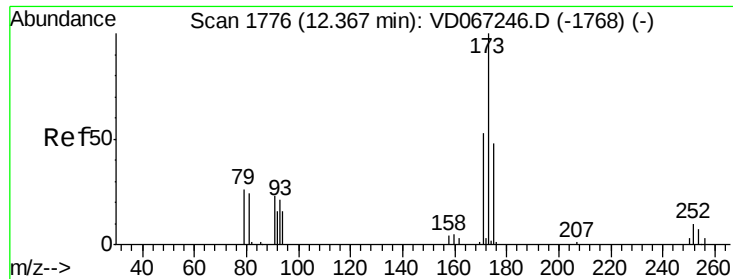
MMDadoda
10/30/2020 1:34:53 PM



#70
Styrene
Concen: 22.059 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	194245		
78	50.0	39.8	59.6	
103	53.1	42.6	64.0	





#71

Bromoform

Concen: 21.359 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

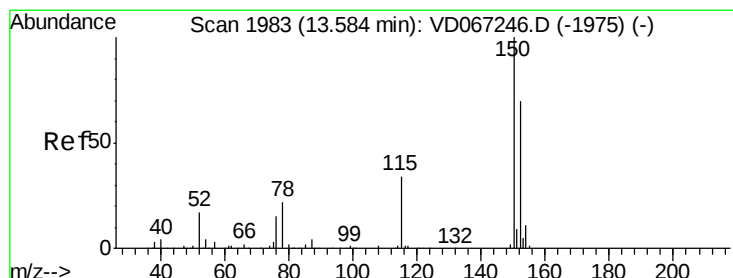
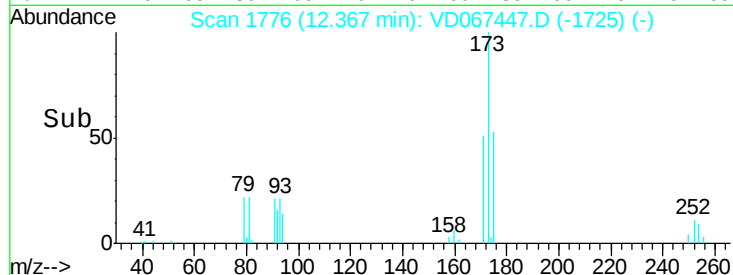
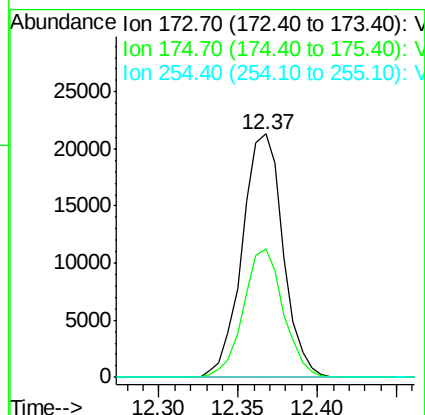
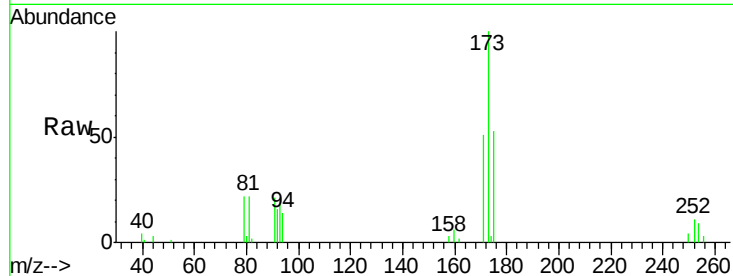
ClientSampleId :

VD1029SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

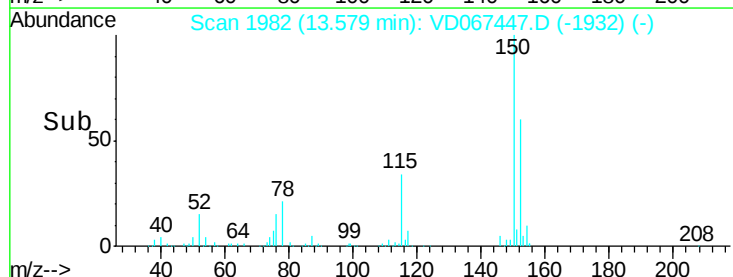
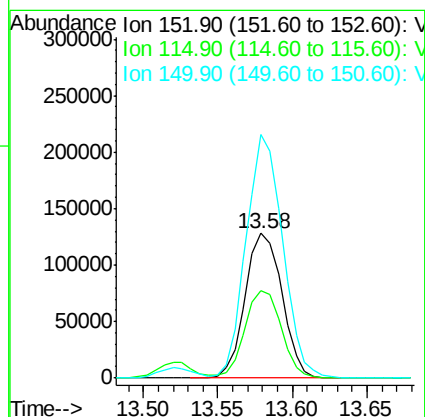
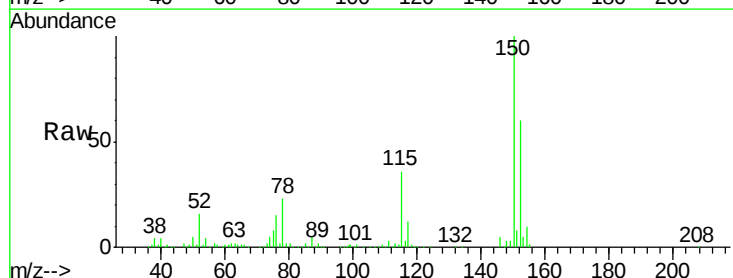
RT: 13.58 min Scan# 1982

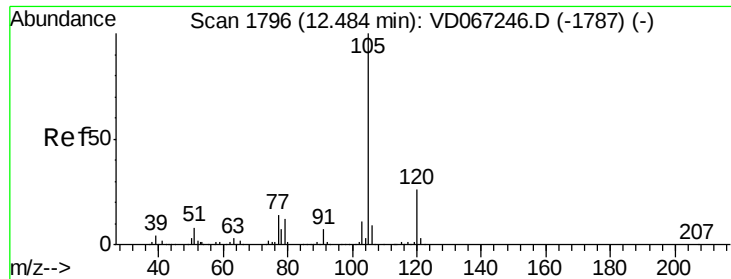
Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.3	87.9
150	166.9	0.0	339.0





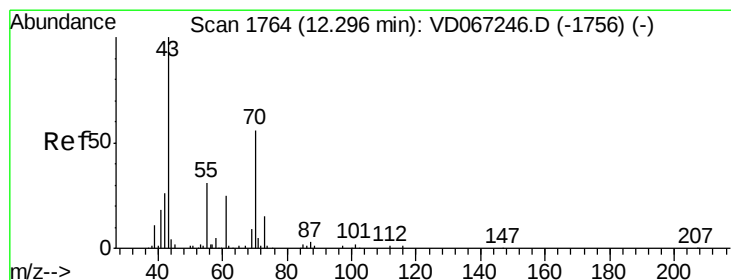
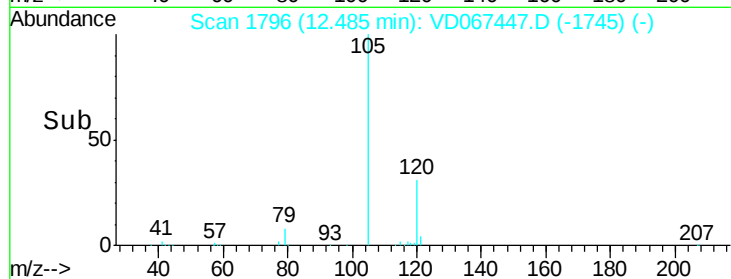
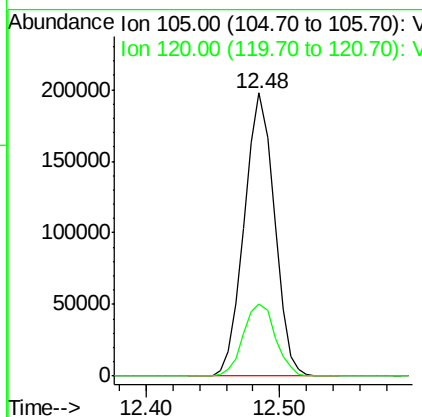
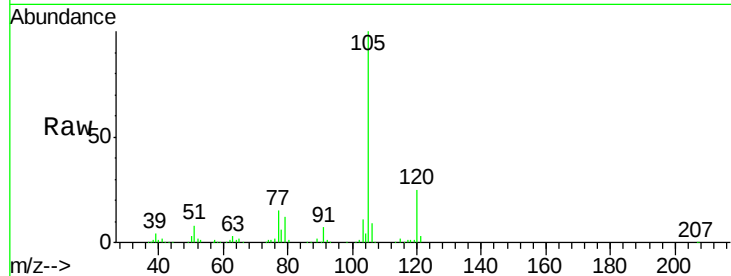
#73
Isopropylbenzene
Concen: 22.127 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	308580		
120	27.1	13.3	39.8	

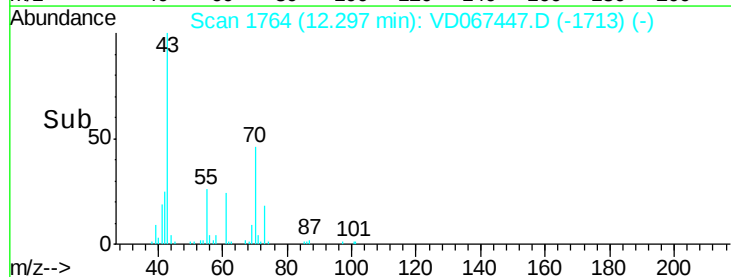
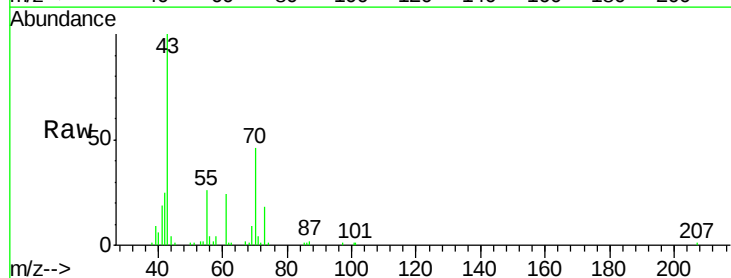
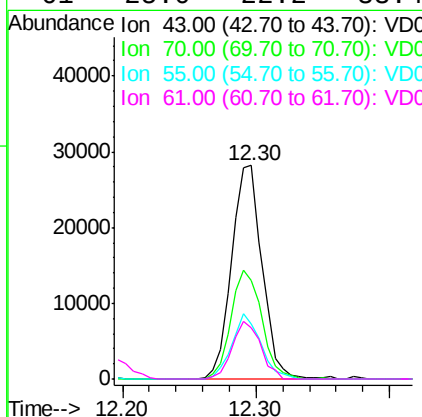
Manual Integrations
APPROVED

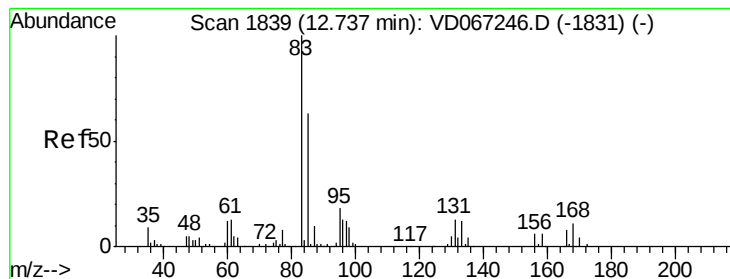
MMDadoda
10/30/2020 1:34:53 PM



#74
N-ethyl acetate
Concen: 21.368 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	45006		
70	51.1	42.7	64.1	
55	28.7	24.0	36.0	
61	25.0	22.2	33.4	





#75

1,1,2,2-Tetrachloroethane

Concen: 21.368 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

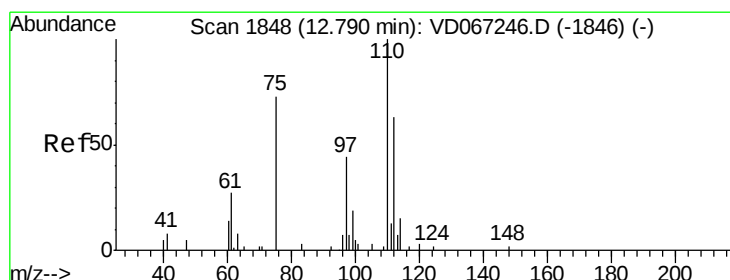
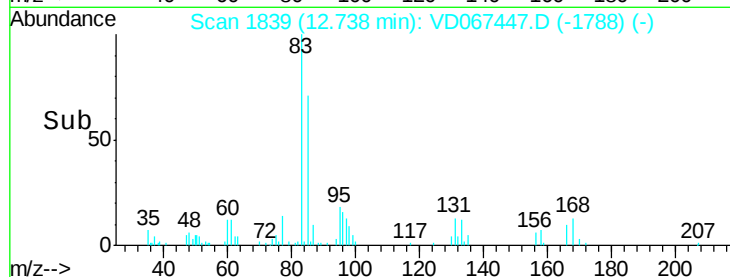
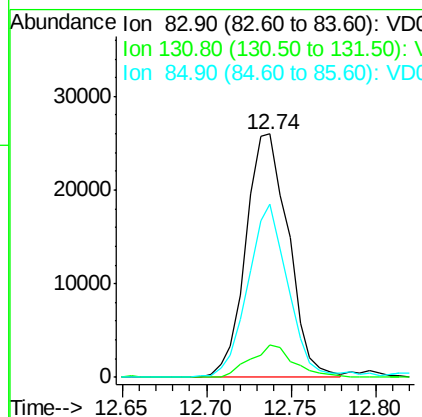
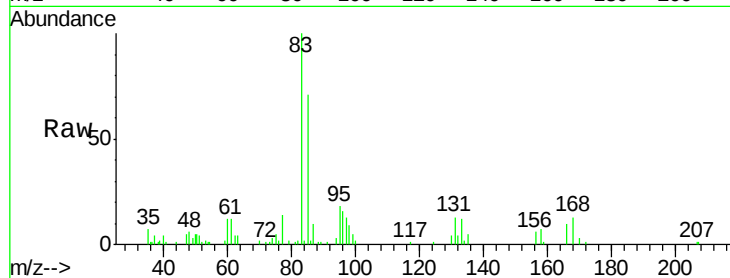
ClientSampleId :

VD1029SBS01

Tot Ion:	83	Resp:	45659
Ion Ratio	Lower	Upper	
83	100		
131	13.4	6.5	19.5
85	66.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#76

1,2,3-Trichloropropane

Concen: 22.829 ug/l m

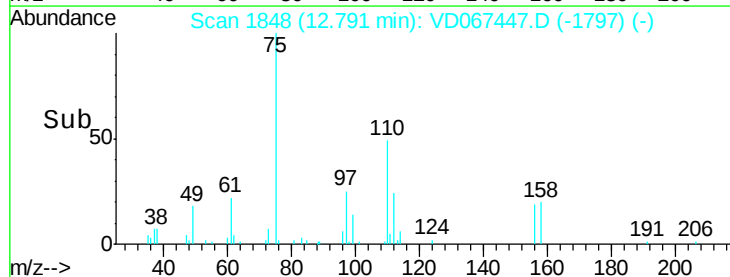
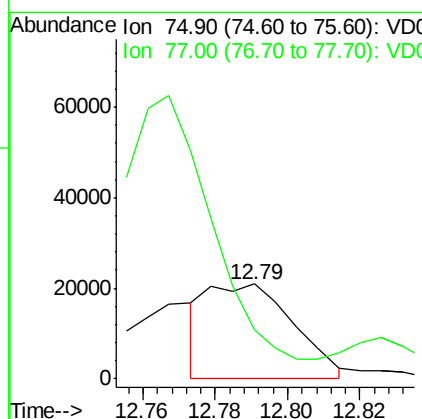
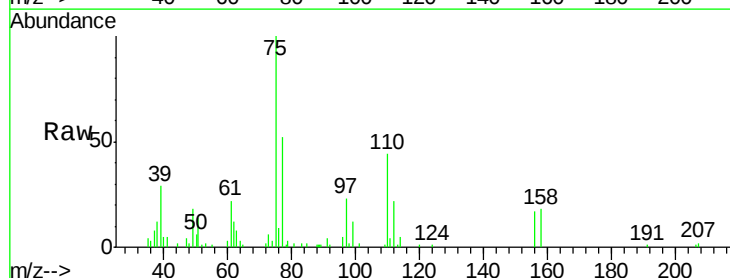
RT: 12.79 min Scan# 1848

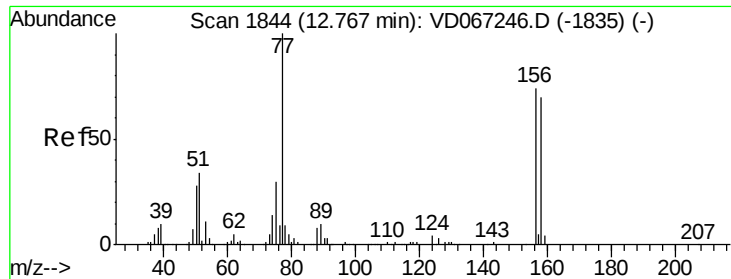
Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	75	Resp:	34767
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.125 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

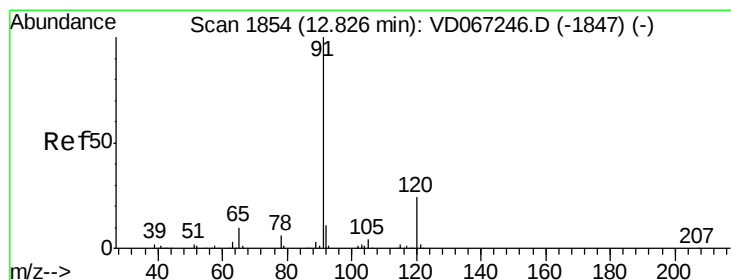
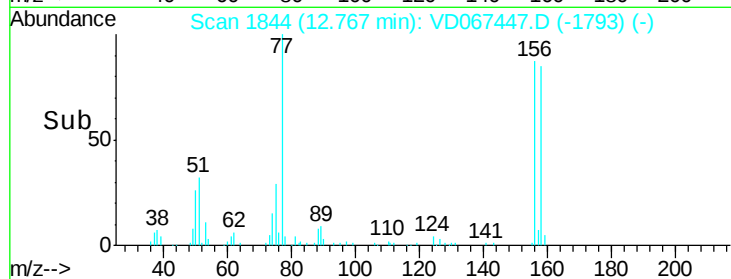
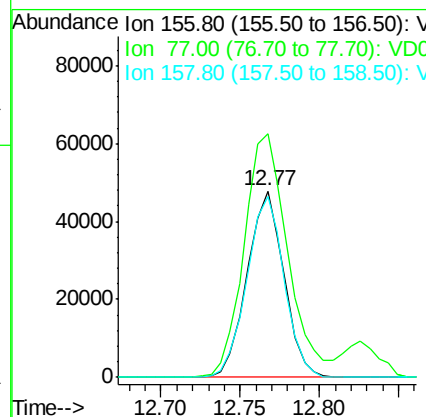
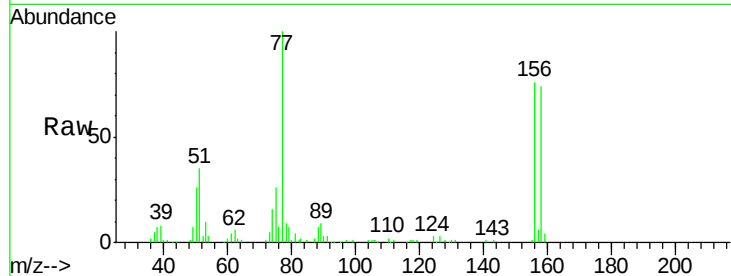
ClientSampleId :

VD1029SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.1	78.0	233.8
158	98.5	49.1	147.3

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#78

n-propylbenzene

Concen: 22.413 ug/l

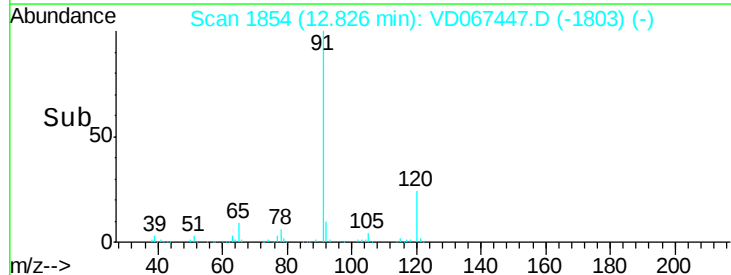
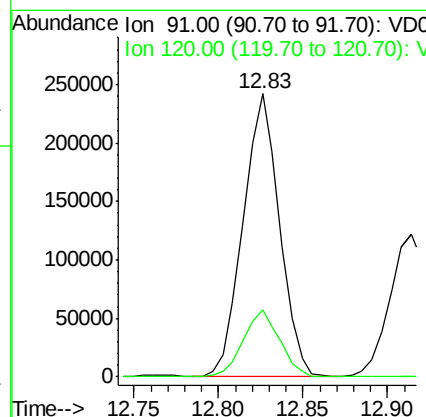
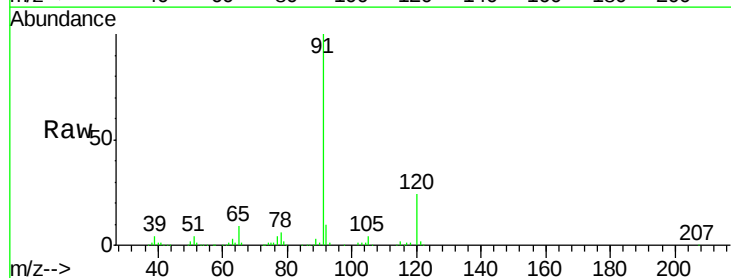
RT: 12.83 min Scan# 1854

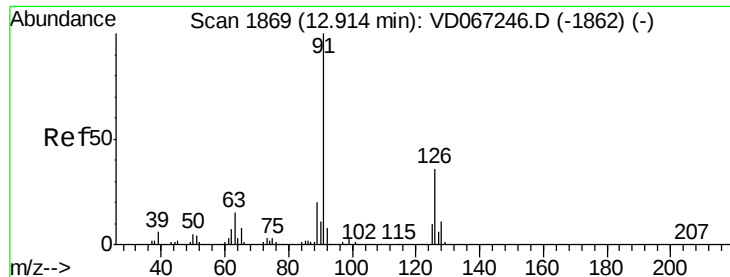
Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.570 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 202114

Ion Ratio Lower Upper

91 100

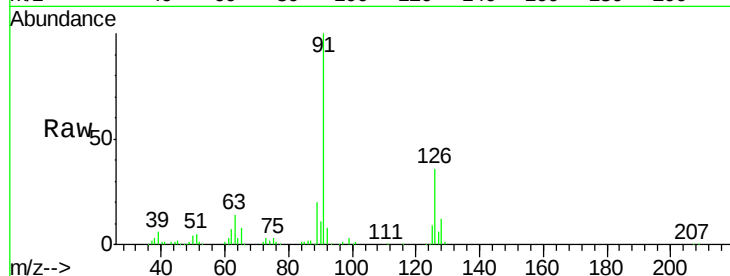
126 35.8 17.6 52.8

Manual Integrations

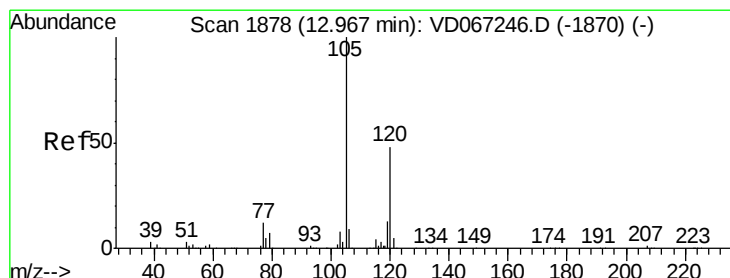
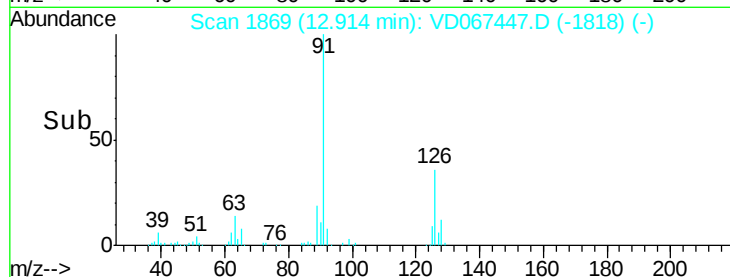
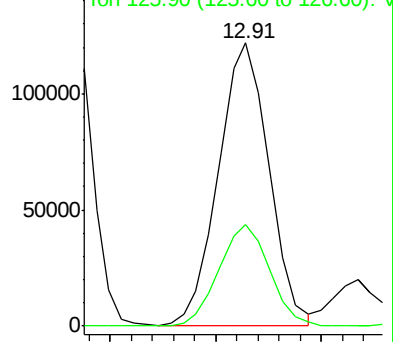
APPROVED

MMDadoda

10/30/2020 1:34:53 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.442 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067447.D

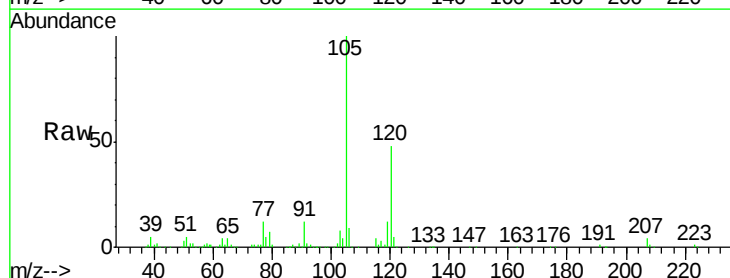
Acq: 29 Oct 2020 13:02

Tgt Ion: 105 Resp: 271965

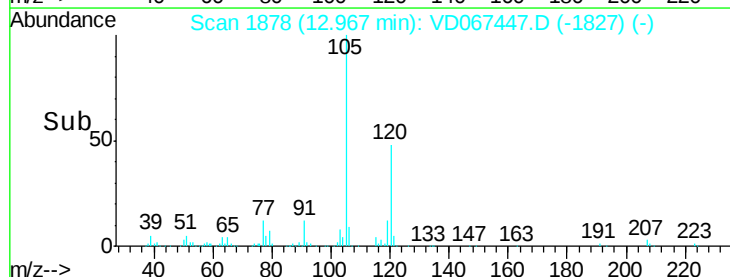
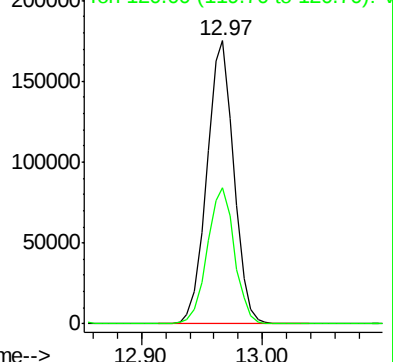
Ion Ratio Lower Upper

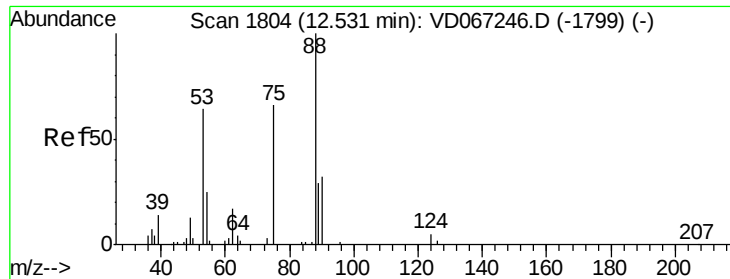
105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.295 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

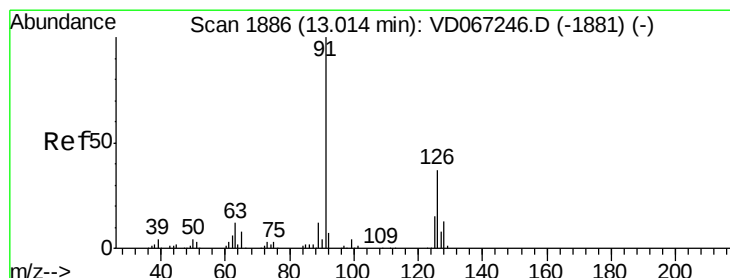
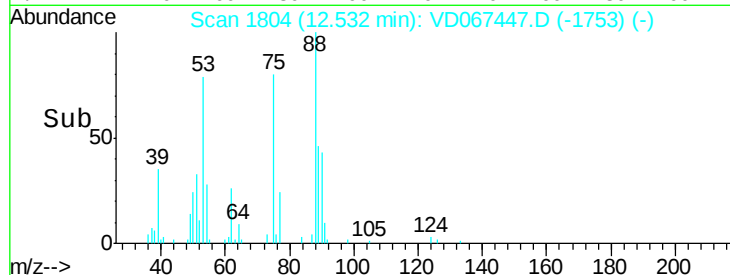
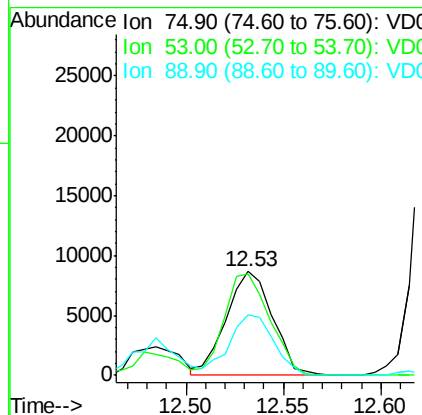
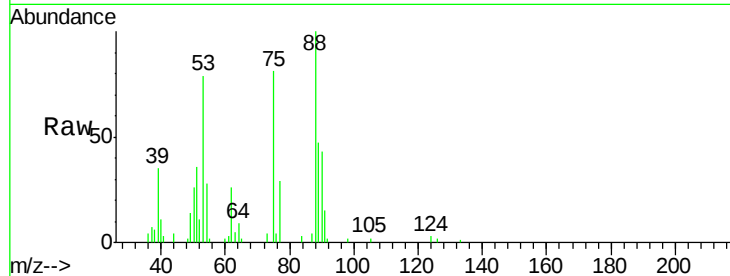
ClientSampleId :

VD1029SBS01

Tot Ion:	75	Resp:	14301
Ion	Ratio	Lower	Upper
75	100		
53	96.2	78.5	117.7
89	55.5	39.9	59.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



#82

4-Chlorotoluene

Concen: 21.990 ug/l

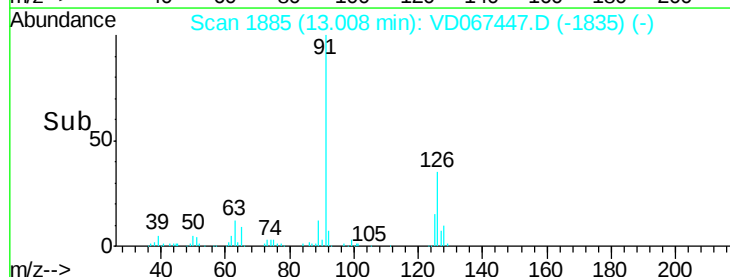
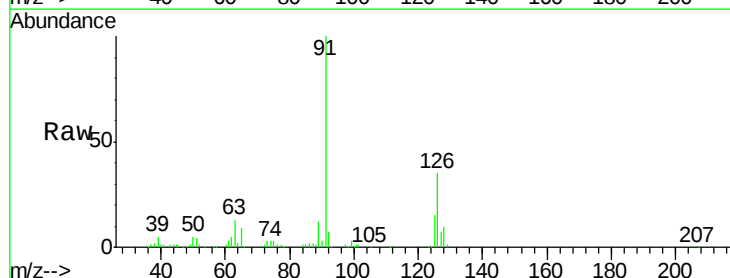
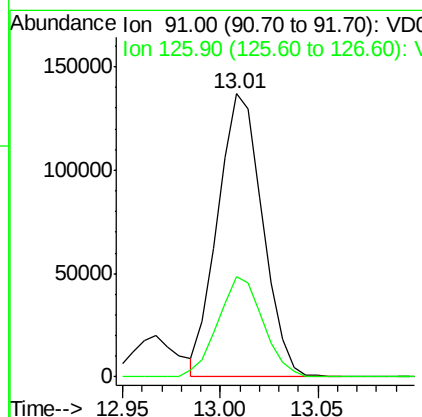
RT: 13.01 min Scan# 1885

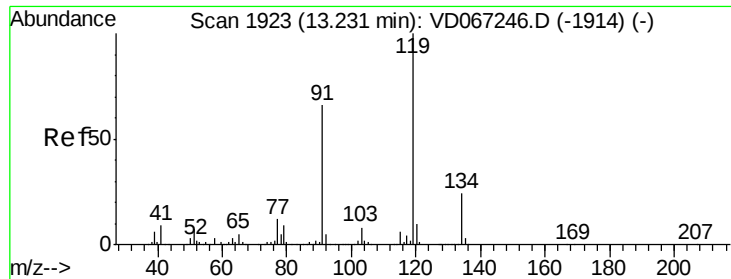
Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	91	Resp:	218687
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





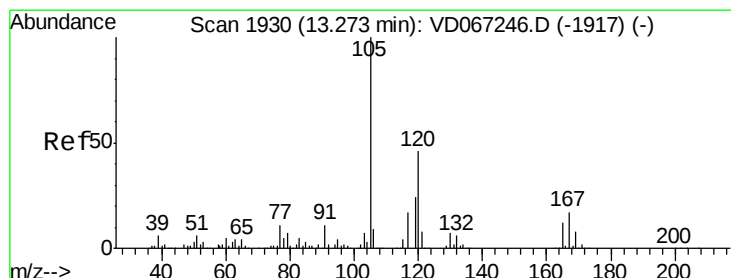
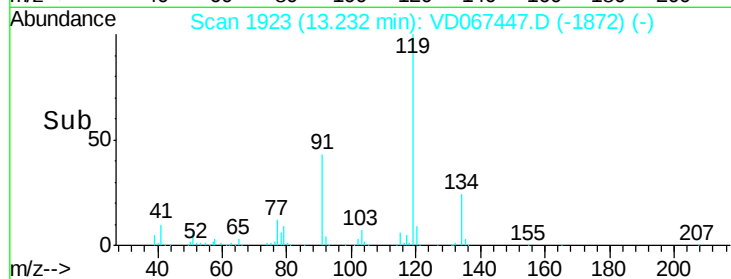
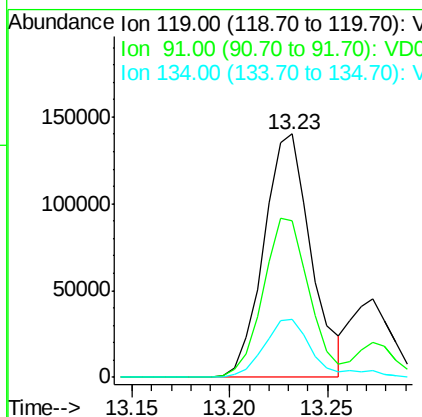
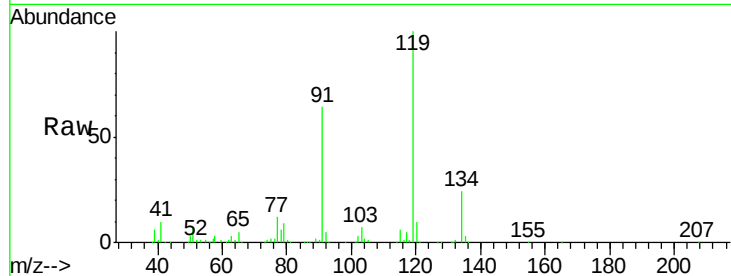
#83
tert-Butylbenzene
Concen: 22.948 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	234913		
91	63.6		33.1	99.2
134	25.5		13.3	39.9

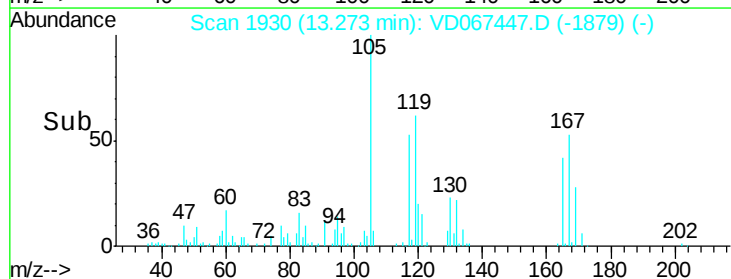
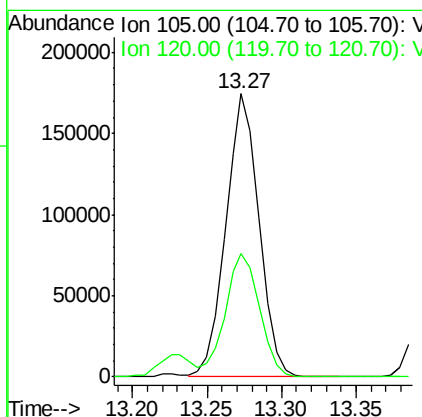
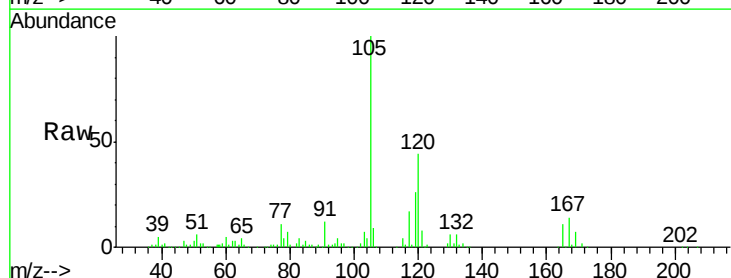
Manual Integrations
APPROVED

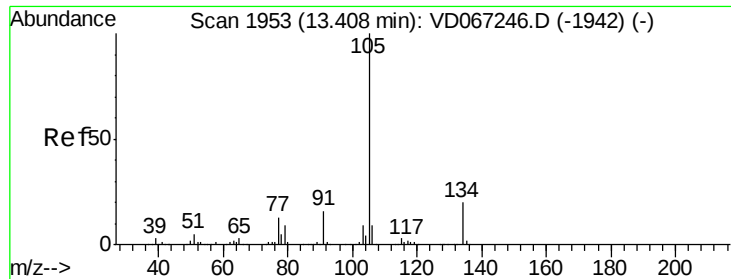
MMDadoda
10/30/2020 1:34:53 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.553 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	270131		
120	45.2		22.4	67.3





#85

sec-Butylbenzene

Concen: 22.657 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:105 Resp: 318244

Ion Ratio Lower Upper

105 100

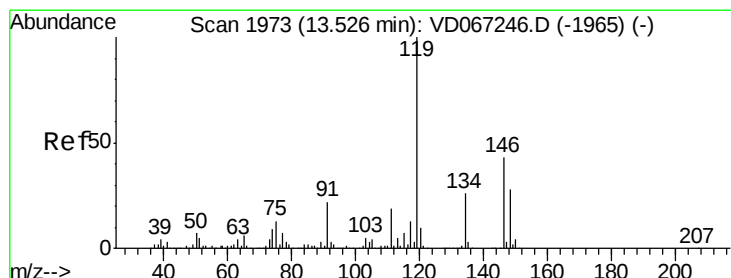
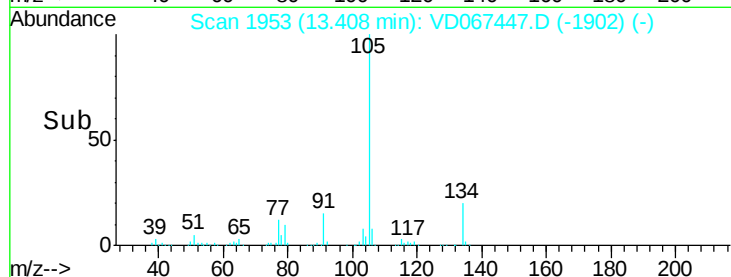
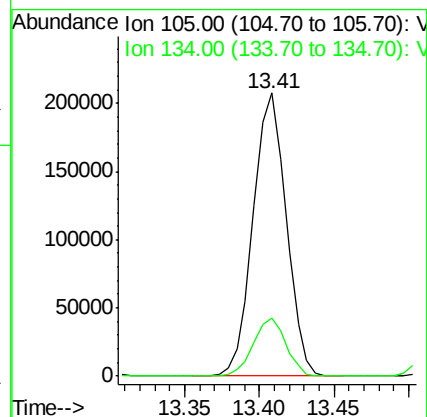
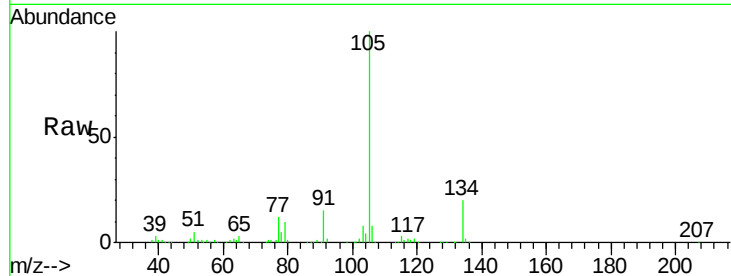
134 20.2 10.5 31.5

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:53 PM



#86

p-Isopropyltoluene

Concen: 22.409 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

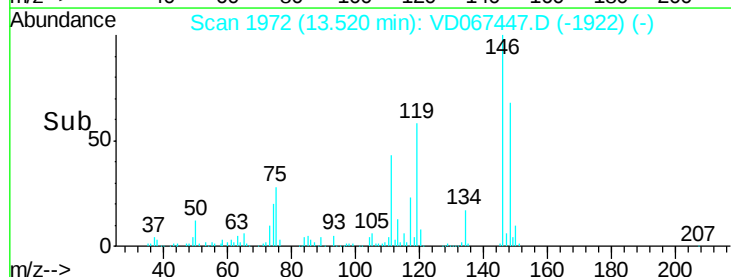
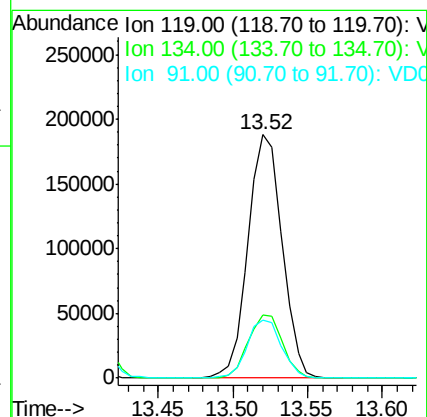
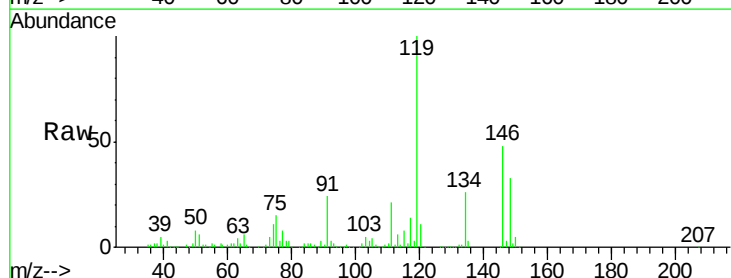
Tgt Ion:119 Resp: 297101

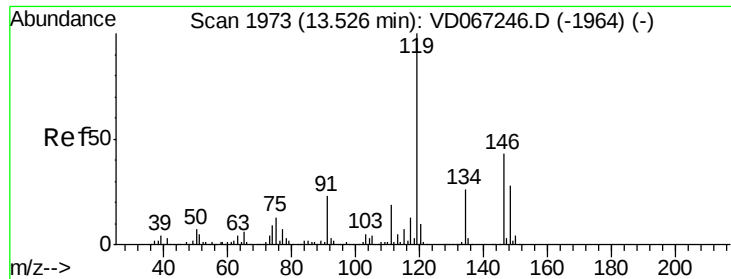
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

91 24.2 11.9 35.9





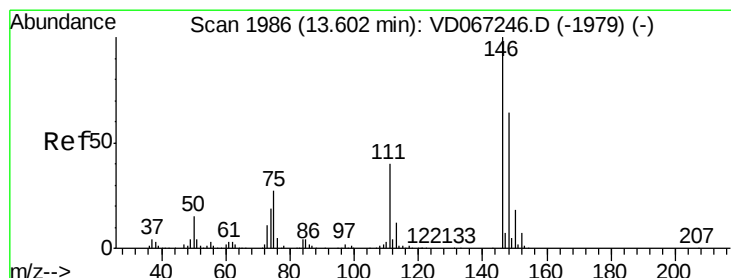
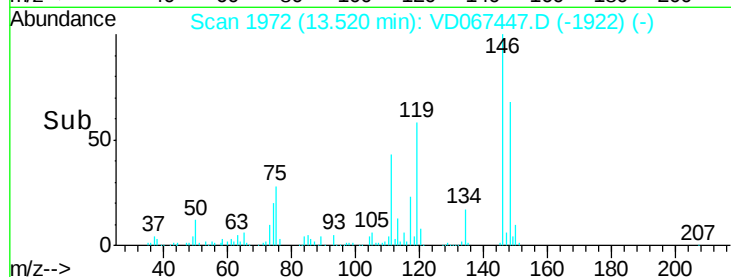
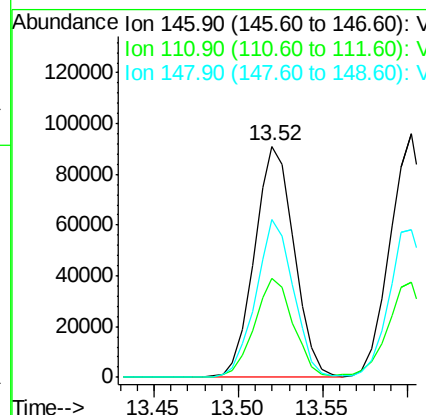
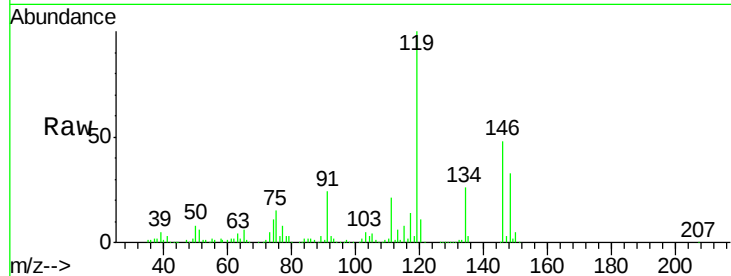
#87
 1,3-Dichlorobenzene
 Concen: 22.189 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.3
148	65.1	31.9	95.9

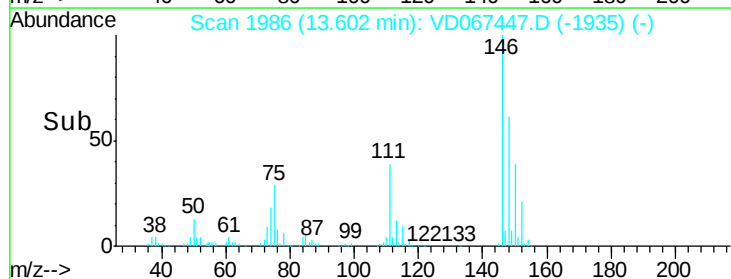
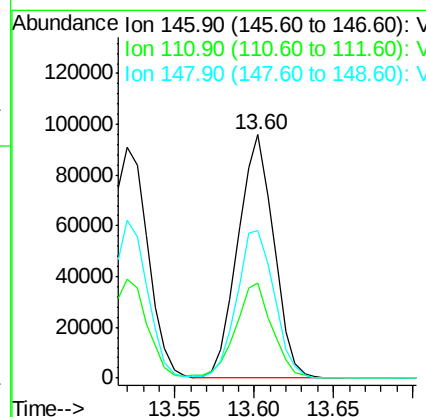
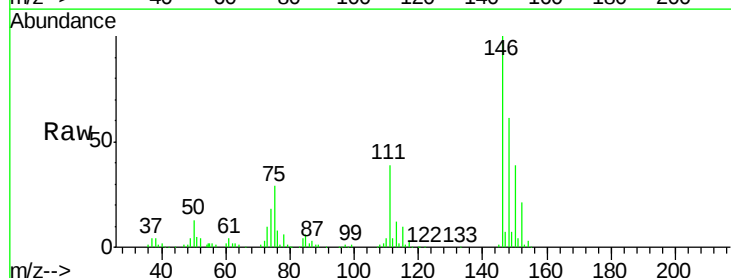
Manual Integrations
 APPROVED

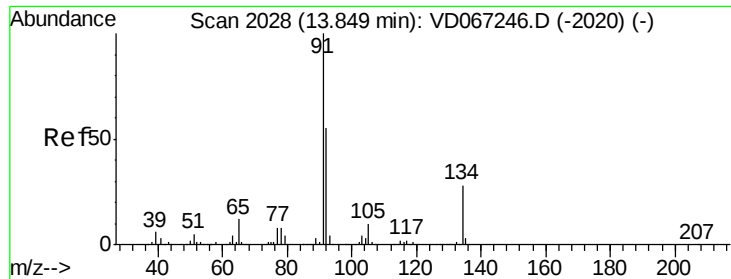
MMDadoda
 10/30/2020 1:34:53 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.774 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.9	59.7
148	63.4	31.9	95.9





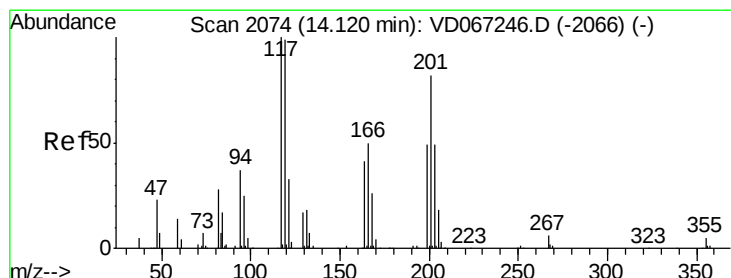
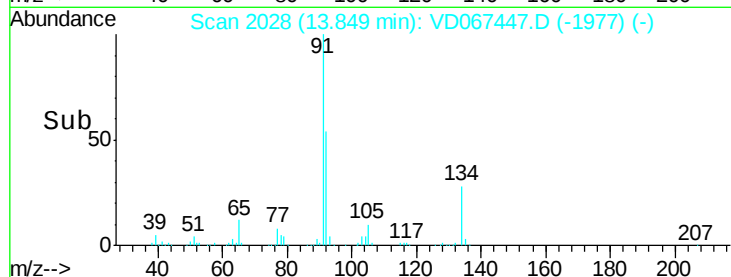
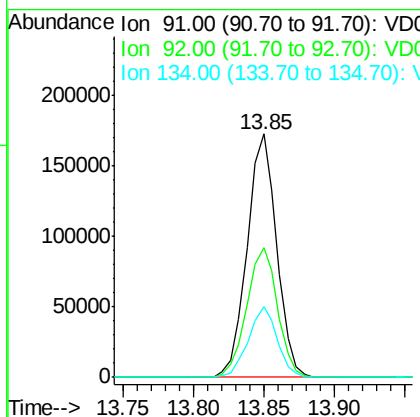
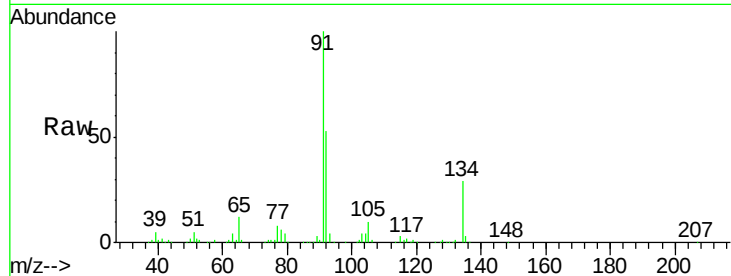
#89
n-Butylbenzene
Concen: 21.738 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.5	26.7	80.0	
134	28.5	14.2	42.6	

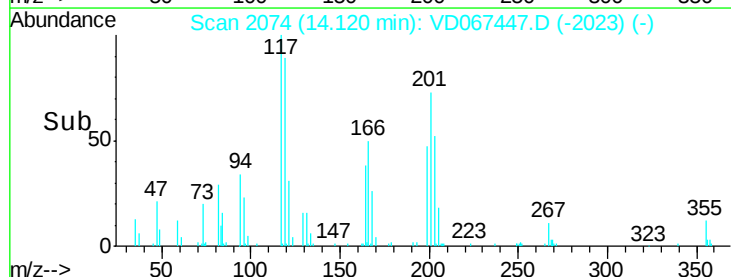
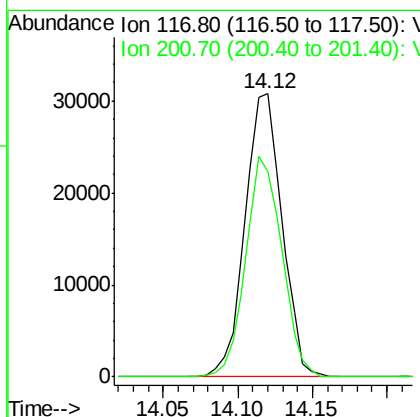
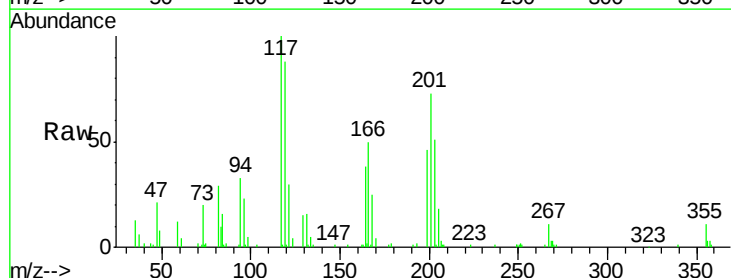
Manual Integrations
APPROVED

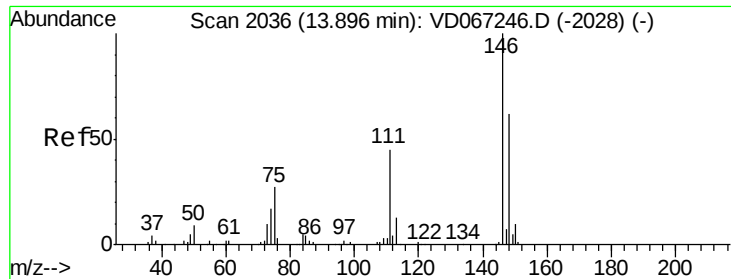
MMDadoda
10/30/2020 1:34:53 PM



#90
Hexachloroethane
Concen: 22.784 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067447.D
Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.1	40.8	122.2	





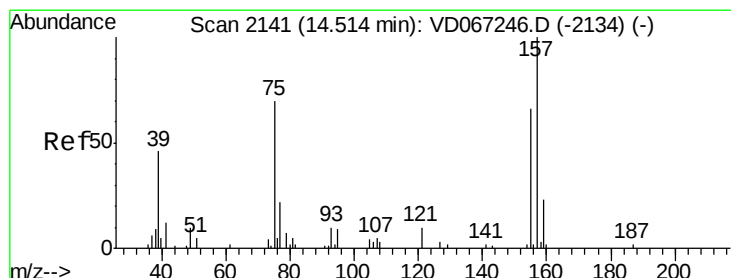
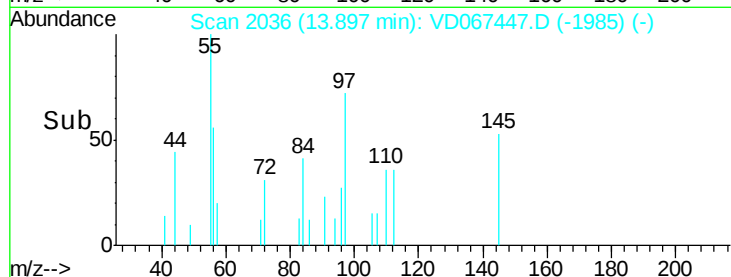
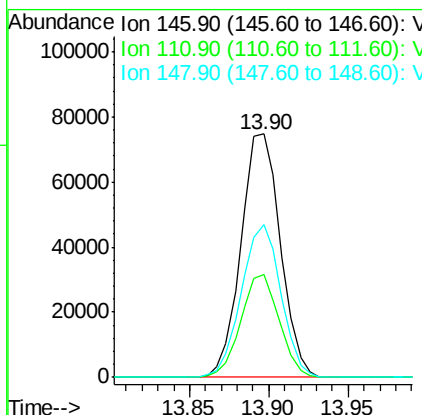
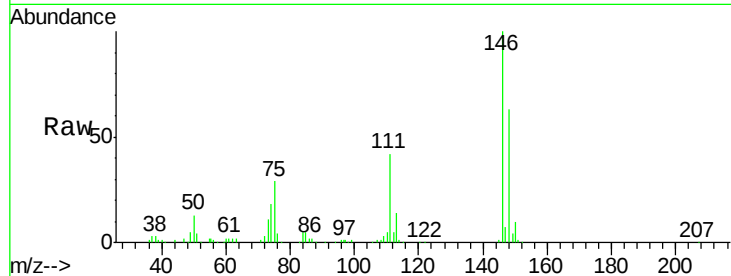
#91
 1,2-Dichlorobenzene
 Concen: 22.167 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.0	66.0
148	62.9	32.5	97.5

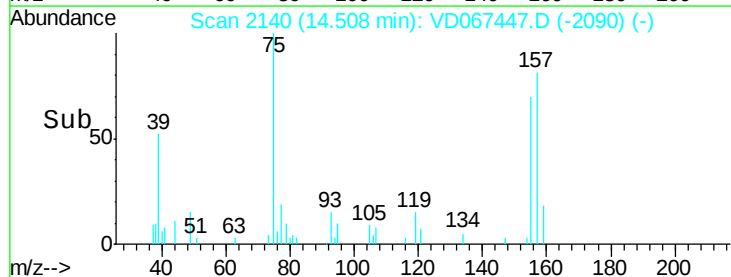
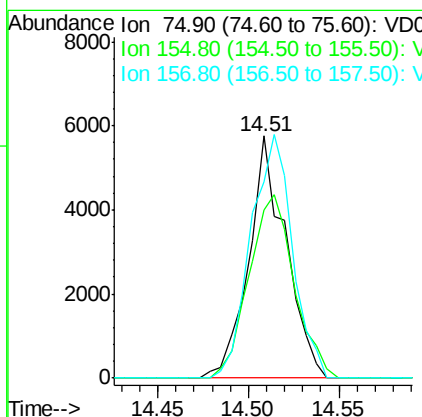
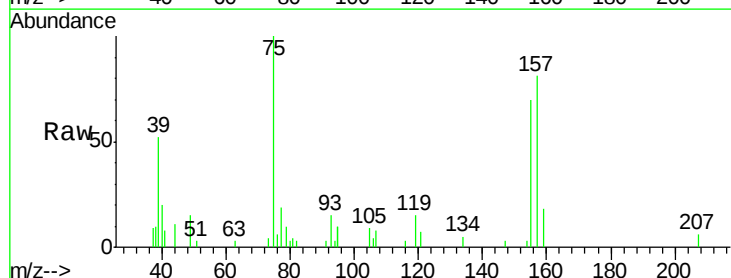
Manual Integrations
 APPROVED

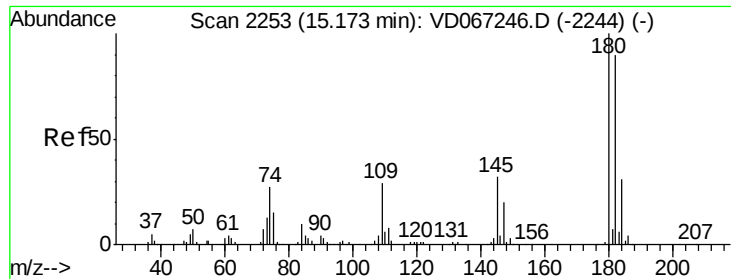
MMDadoda
 10/30/2020 1:34:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.046 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	44.8	134.4
157	112.8	62.5	187.4





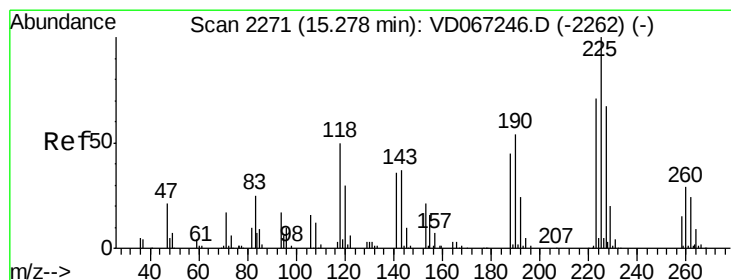
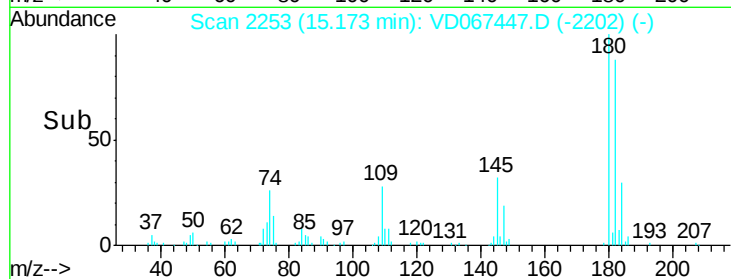
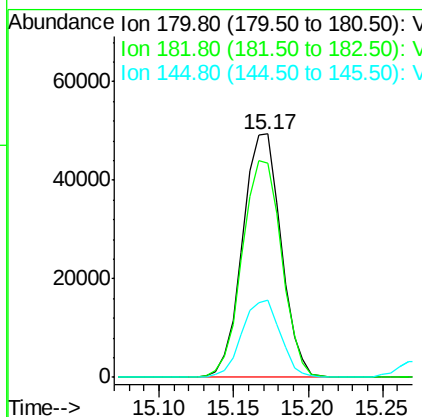
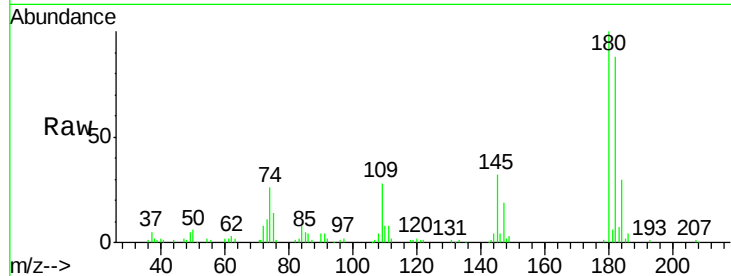
#93
 1,2,4-Trichlorobenzene
 Concen: 22.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.1	48.1	144.4	
145	31.6	16.3	48.9	

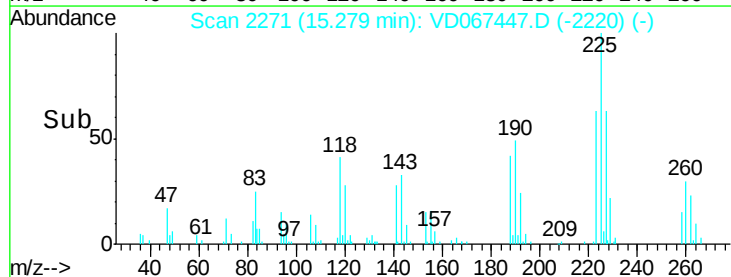
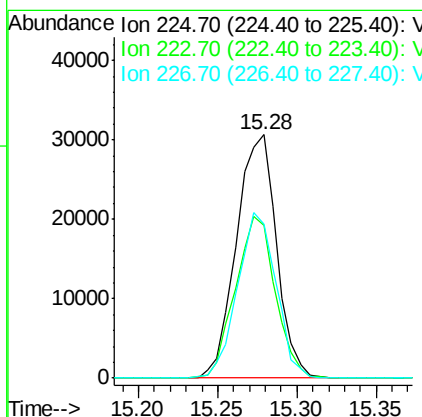
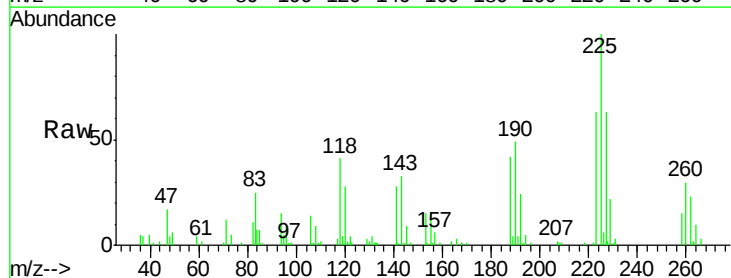
Manual Integrations
 APPROVED

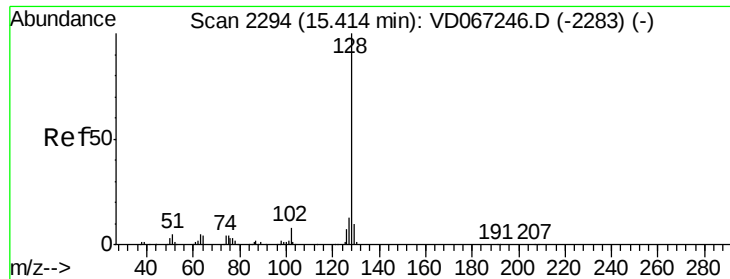
MMDadoda
 10/30/2020 1:34:53 PM



#94
 Hexachlorobutadiene
 Concen: 21.971 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067447.D
 Acq: 29 Oct 2020 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.3	31.9	95.7	
227	65.4	31.2	93.6	





#95

Naphthalene

Concen: 19.954 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Instrument :

MSVOA_D

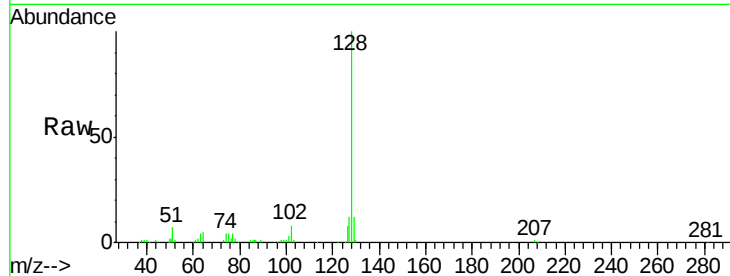
ClientSampleId :

VD1029SBS01

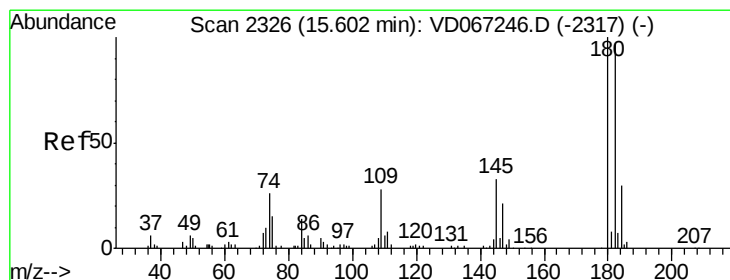
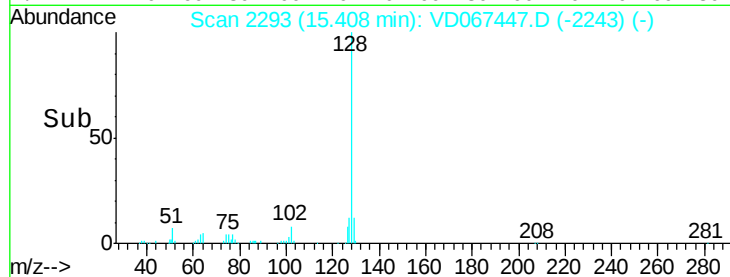
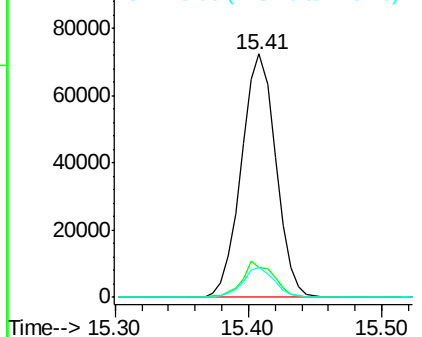
Tot Ion:	128	Resp:	129126
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:53 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.748 ug/l

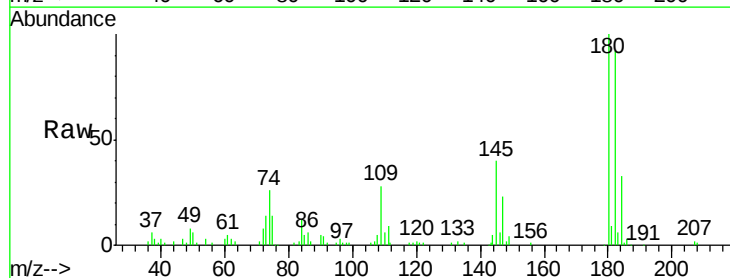
RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067447.D

Acq: 29 Oct 2020 13:02

Tgt Ion:	180	Resp:	74054
Ion Ratio	Lower	Upper	
180	100		
182	94.9	48.1	144.3
145	36.7	17.3	51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

