

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067448.D
 Acq On : 29 Oct 2020 13:29
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:55 PM

Quant Time: Oct 30 02:40:09 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	7.98	168	316447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	466018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	427502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	157020	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.92	113	162173	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.34	98	590592	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.64	95	211264	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52022	17.651	ug/l	94
3) Chloromethane	2.21	50	36683	18.419	ug/l	99
4) Vinyl Chloride	2.34	62	39630	18.136	ug/l	92
5) Bromomethane	2.76	94	31465	19.247	ug/l	92
6) Chloroethane	2.91	64	25305	18.595	ug/l	98
7) Trichlorofluoromethane	3.27	101	111845	20.326	ug/l	99
8) Diethyl Ether	3.71	74	24696	19.614	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61082	20.894	ug/l	98
10) Methyl Iodide	4.30	142	55288	20.502	ug/l	97
11) Tert butyl alcohol	5.22	59	22808	113.474	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	51469	19.707	ug/l	96
13) Acrolein	3.92	56	9034	65.211	ug/l	96
14) Allyl chloride	4.71	41	59708	19.963	ug/l	96
15) Acrylonitrile	5.42	53	44909	106.894	ug/l	97
16) Acetone	4.16	43	49886	112.355	ug/l	96
17) Carbon Disulfide	4.41	76	136818	18.376	ug/l	99
18) Methyl Acetate	4.73	43	20750	20.489	ug/l #	41
19) Methyl tert-butyl Ether	5.47	73	106998	20.604	ug/l	95
20) Methylene Chloride	4.97	84	71298	22.610	ug/l	98
21) trans-1,2-Dichloroethene	5.48	96	63233	21.039	ug/l	99
22) Diisopropyl ether	6.37	45	116533	21.329	ug/l	97
23) Vinyl Acetate	6.31	43	321949	103.575	ug/l	94
24) 1,1-Dichloroethane	6.26	63	98927	21.152	ug/l	95
25) 2-Butanone	7.21	43	55238	109.140	ug/l	89
26) 2,2-Dichloropropane	7.21	77	100324	20.811	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	70086	21.277	ug/l	100
28) Bromochloromethane	7.54	49	31910	20.003	ug/l #	100
29) Tetrahydrofuran	7.56	42	28768	102.253	ug/l	97
30) Chloroform	7.71	83	120629	21.591	ug/l	92
31) Cyclohexane	7.99	56	71889	19.687	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	111884	20.410	ug/l	97
36) 1,1-Dichloropropene	8.12	75	82122	20.791	ug/l	99
37) Ethyl Acetate	7.29	43	23754	20.441	ug/l #	73
38) Carbon Tetrachloride	8.10	117	106298	21.057	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067448.D
 Acq On : 29 Oct 2020 13:29
 Operator : VA/SY
 Sample : VD1029SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1029SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:55 PM

Quant Time: Oct 30 02:40:09 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	85972	20.820	ug/l	99
40) Benzene	8.35	78	232839	21.488	ug/l	97
41) Methacrylonitrile	7.53	41	16161	25.735	ug/l #	56
42) 1,2-Dichloroethane	8.43	62	73476	21.668	ug/l	100
43) Isopropyl Acetate	8.46	43	49613	21.515	ug/l	98
44) Trichloroethene	9.11	130	76386	22.017	ug/l	93
45) 1,2-Dichloropropane	9.39	63	54477	21.693	ug/l	99
46) Dibromomethane	9.48	93	33057	21.127	ug/l	97
47) Bromodichloromethane	9.67	83	90519	21.593	ug/l	94
48) Methyl methacrylate	9.46	41	23469	20.943	ug/l	98
49) 1,4-Dioxane	9.47	88	7827	501.784	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	126080	109.623	ug/l	97
52) Toluene	10.41	92	163688	22.179	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78692	21.369	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	91433	21.215	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	47031	22.043	ug/l	92
56) Ethyl methacrylate	10.67	69	46225	20.890	ug/l	99
57) 1,3-Dichloropropane	10.95	76	75402	22.206	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	123921	109.165	ug/l	97
59) 2-Hexanone	10.99	43	85518	108.813	ug/l	96
60) Dibromochloromethane	11.14	129	65817	21.152	ug/l	96
61) 1,2-Dibromoethane	11.25	107	42727	20.313	ug/l	89
64) Tetrachloroethene	10.88	164	66929	21.608	ug/l	98
65) Chlorobenzene	11.67	112	177657	21.671	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	69864	21.443	ug/l	97
67) Ethyl Benzene	11.75	91	305239	21.721	ug/l	99
68) m/p-Xylenes	11.86	106	242463	44.806	ug/l	96
69) o-Xylene	12.18	106	108654	21.683	ug/l	96
70) Styrene	12.20	104	189653	21.986	ug/l	99
71) Bromoform	12.37	173	39969	22.835	ug/l #	97
73) Isopropylbenzene	12.48	105	305577	21.958	ug/l	100
74) N-amyl acetate	12.29	43	44951	21.387	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47472	22.264	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	34899m	22.964	ug/l	
77) Bromobenzene	12.77	156	77251	22.266	ug/l	99
78) n-propylbenzene	12.83	91	355847	22.070	ug/l	100
79) 2-Chlorotoluene	12.91	91	203070	21.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	264701	21.889	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14258	21.275	ug/l	95
82) 4-Chlorotoluene	13.01	91	220778	22.247	ug/l	100
83) tert-Butylbenzene	13.23	119	230133	22.529	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	265659	22.226	ug/l	98
85) sec-Butylbenzene	13.41	105	307912	21.967	ug/l	99
86) p-Isopropyltoluene	13.52	119	292795	22.131	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	147839	22.139	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	147031	22.223	ug/l	99
89) n-Butylbenzene	13.85	91	251483	21.607	ug/l	99
90) Hexachloroethane	14.12	117	50514	21.880	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	127268	21.816	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8793	22.699	ug/l	89

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102920\
Data File : VD067448.D
Acq On : 29 Oct 2020 13:29
Operator : VA/SY
Sample : VD1029SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

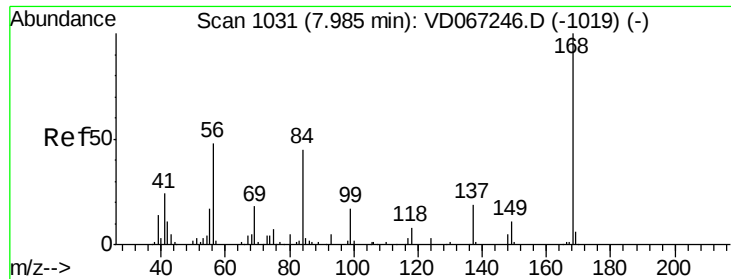
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM

Quant Time: Oct 30 02:40:09 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86637	22.027	ug/l	99
94) Hexachlorobutadiene	15.27	225	53864	22.053	ug/l	96
95) Naphthalene	15.41	128	136321	21.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76827	22.610	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion:168 Resp: 316447

Ion Ratio Lower Upper

168 100

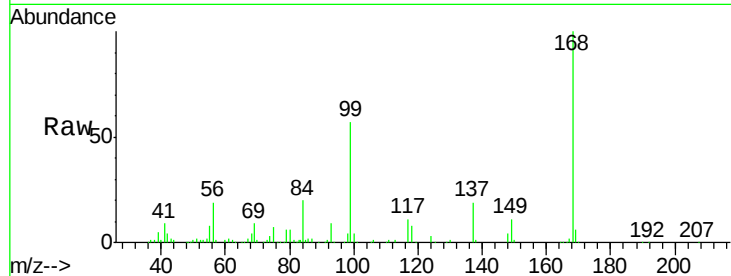
99 56.4 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

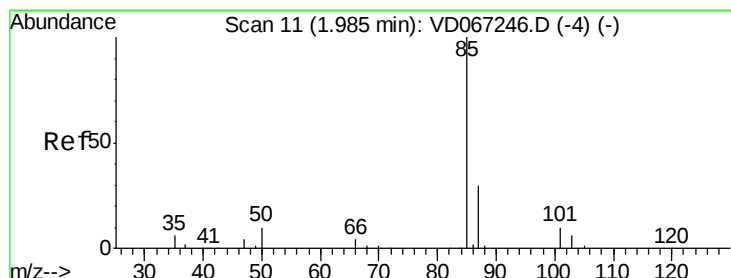
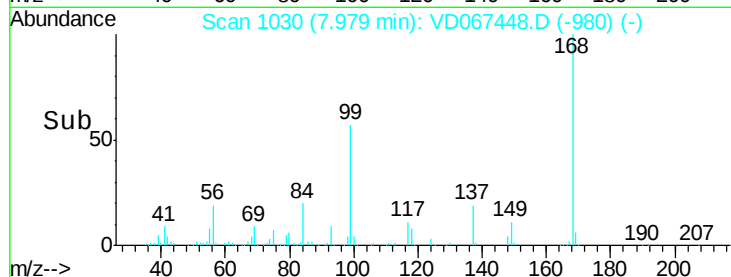
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.651 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067448.D

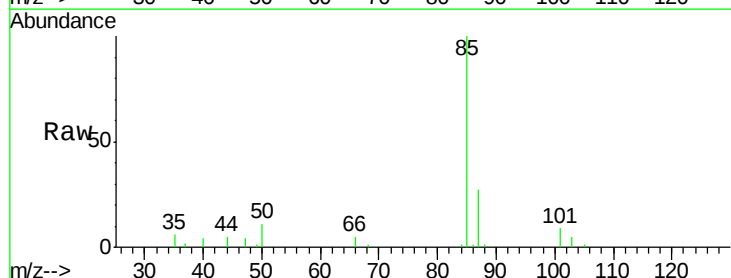
Acq: 29 Oct 2020 13:29

Tgt Ion: 85 Resp: 52022

Ion Ratio Lower Upper

85 100

87 27.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

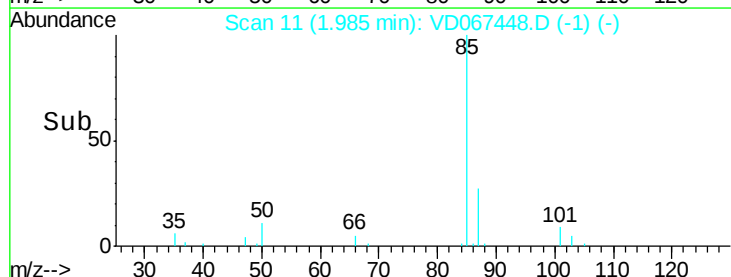
20000

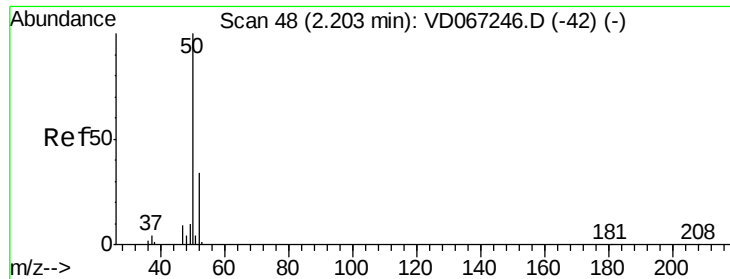
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.419 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 50 Resp: 36683

Ion Ratio Lower Upper

50 100

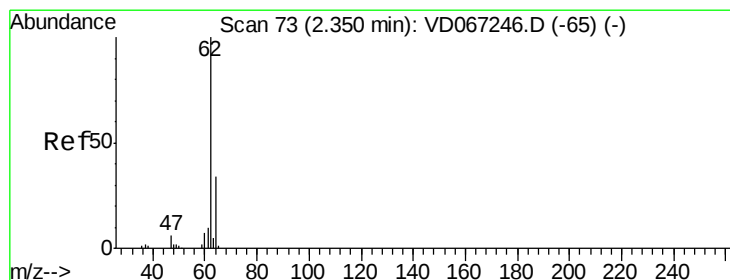
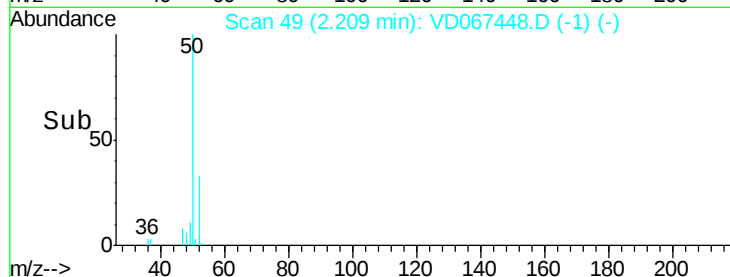
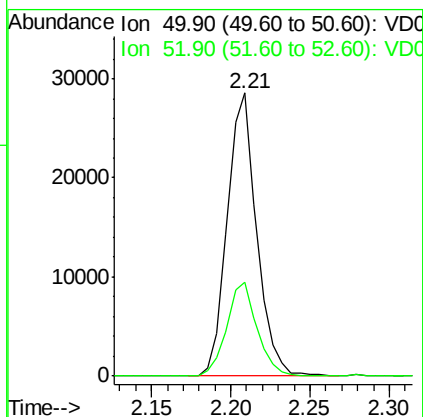
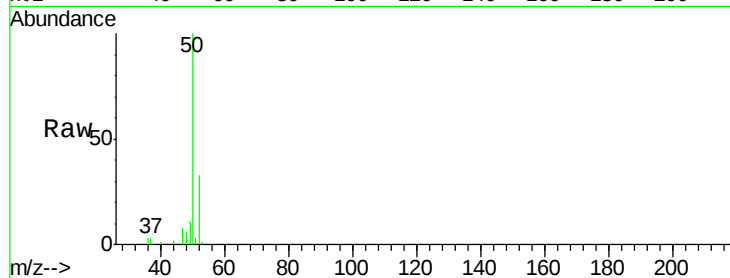
52 33.1 27.1 40.7

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



#4

Vinyl Chloride

Concen: 18.136 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067448.D

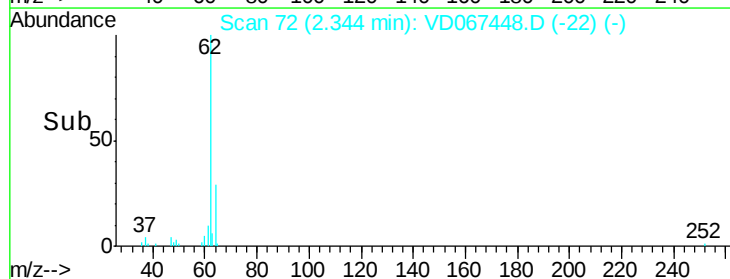
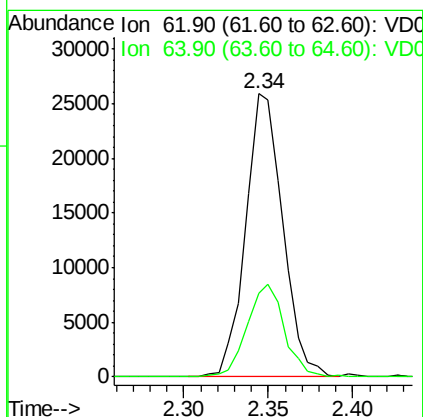
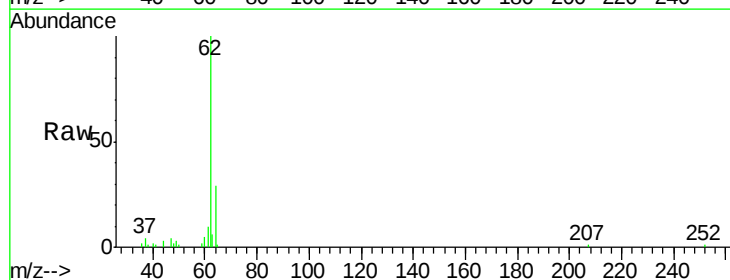
Acq: 29 Oct 2020 13:29

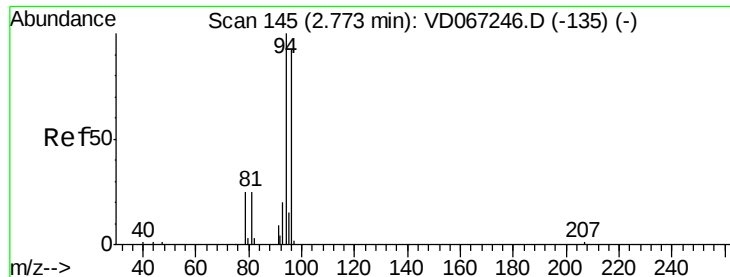
Tgt Ion: 62 Resp: 39630

Ion Ratio Lower Upper

62 100

64 29.4 27.4 41.0





#5

Bromomethane

Concen: 19.247 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBSD01

Tot Ion: 94 Resp: 31465

Ion Ratio Lower Upper

94 100

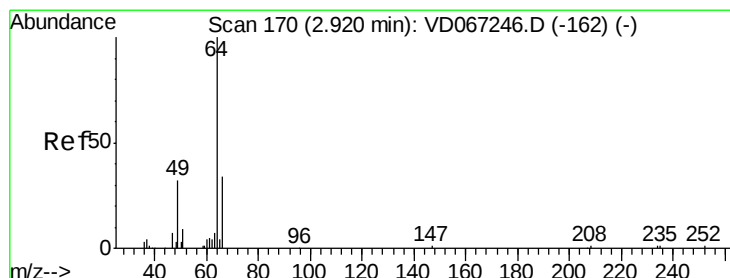
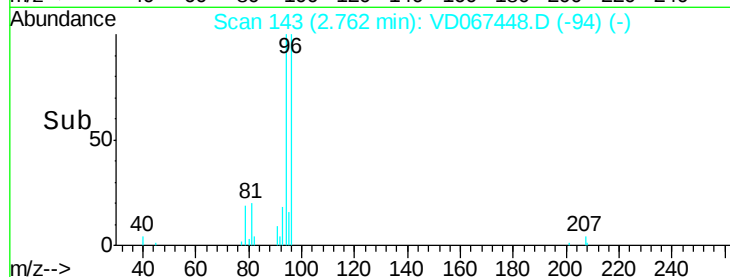
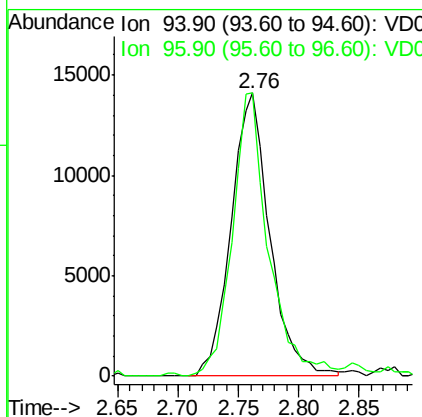
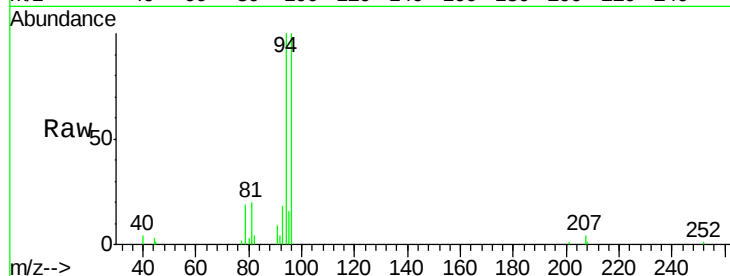
96 99.9 73.8 110.6

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



#6

Chloroethane

Concen: 18.595 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067448.D

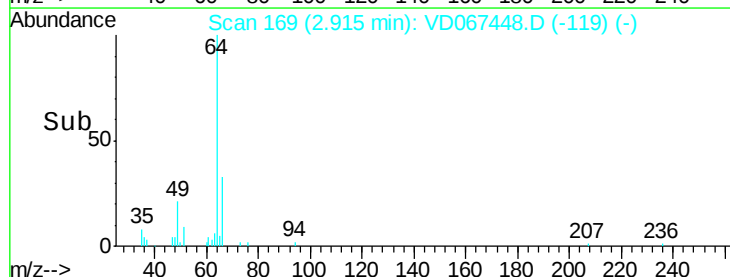
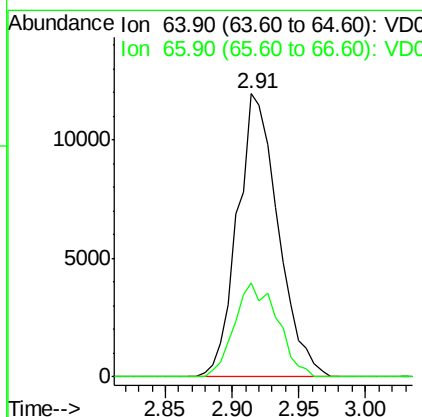
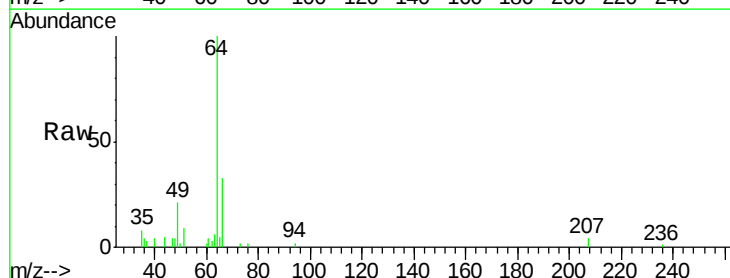
Acq: 29 Oct 2020 13:29

Tgt Ion: 64 Resp: 25305

Ion Ratio Lower Upper

64 100

66 33.0 27.4 41.0





#7

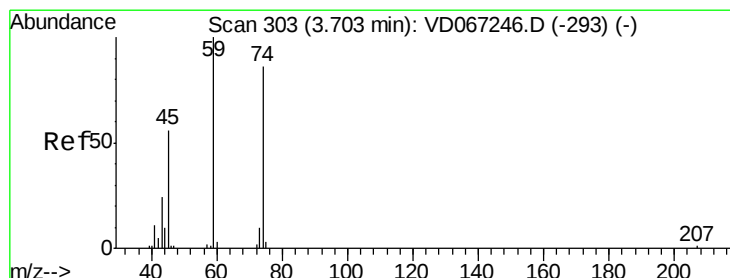
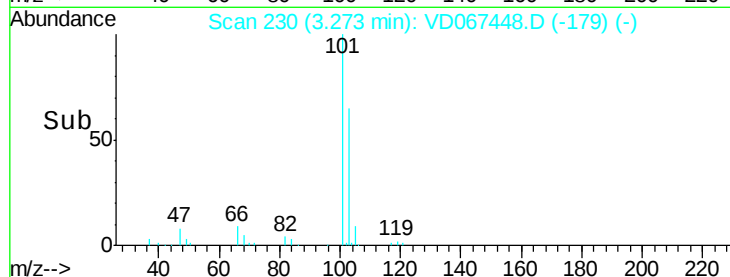
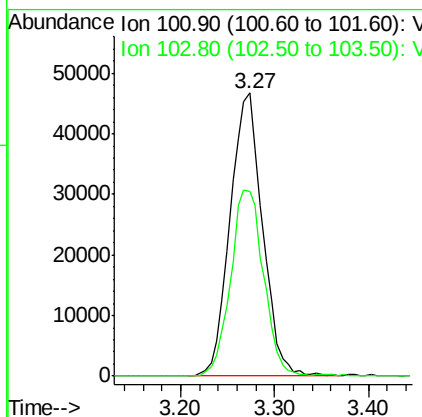
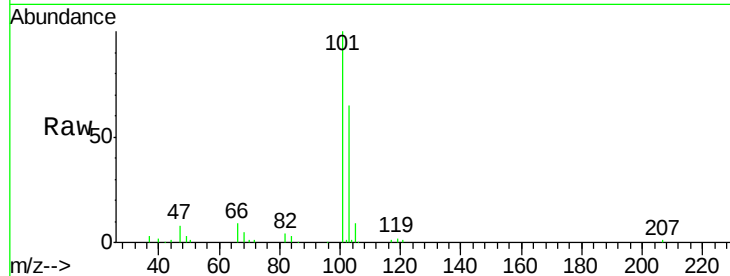
Trichlorofluoromethane
 Concen: 20.326 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.1	79.7

Manual Integrations
 APPROVED

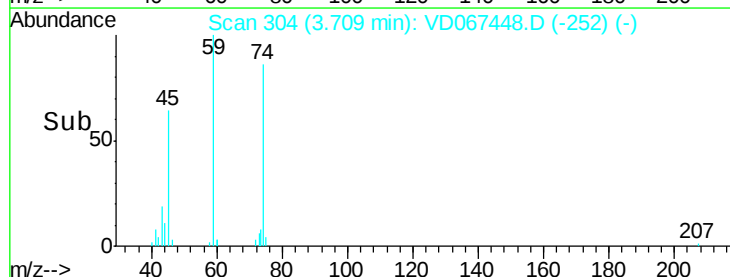
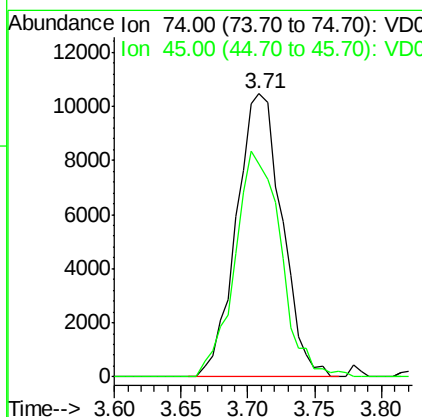
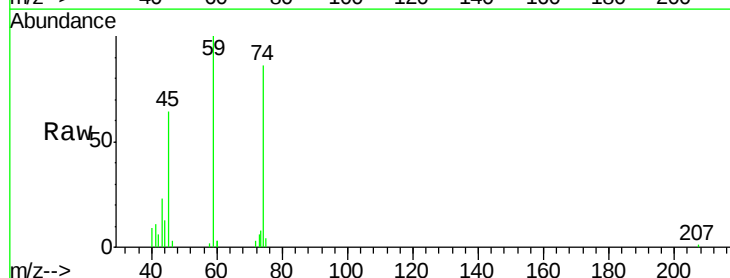
MMDadoda
 10/30/2020 1:34:55 PM

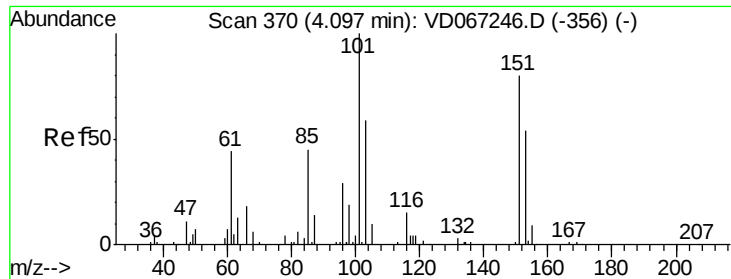


#8

Diethyl Ether
 Concen: 19.614 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	80.6	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.894 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

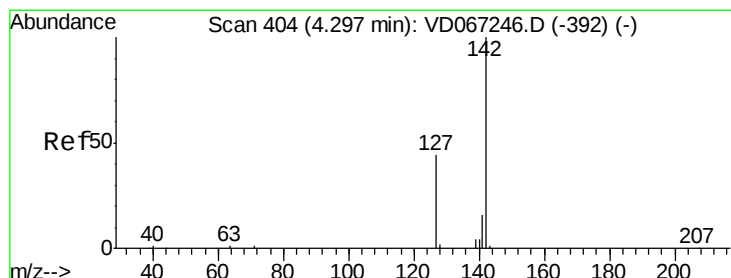
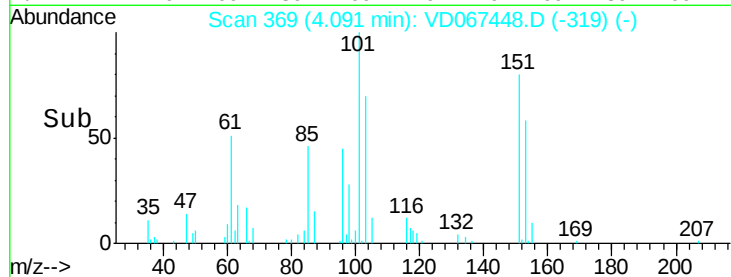
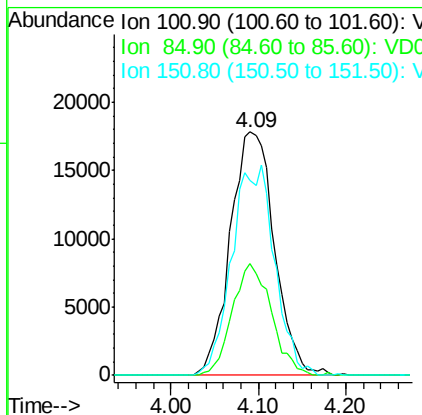
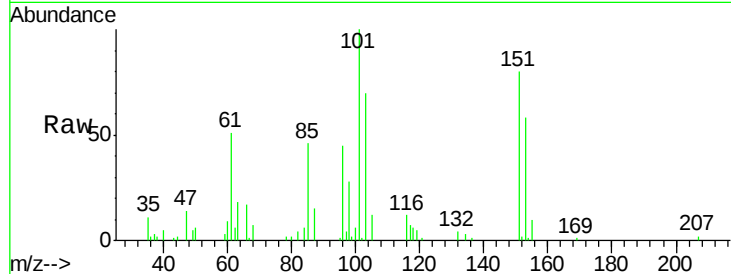
ClientSampleId :

VD1029SBS01

Tot Ion:	101	Resp:	61082
Ion Ratio	Lower	Upper	
101	100		
85	40.7	34.2	51.4
151	83.6	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#10

Methyl Iodide

Concen: 20.502 ug/l

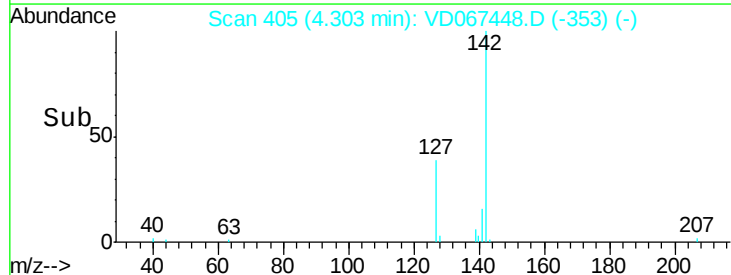
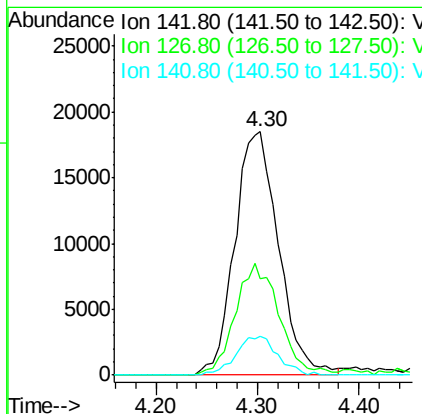
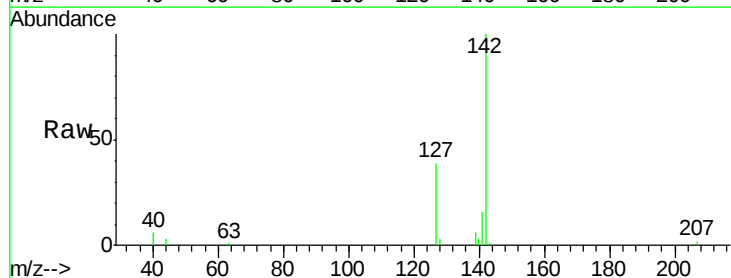
RT: 4.30 min Scan# 405

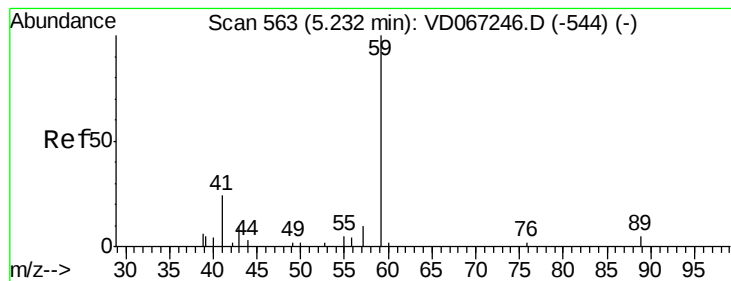
Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	142	Resp:	55288
Ion Ratio	Lower	Upper	
142	100		
127	45.7	38.4	57.6
141	15.3	11.6	17.4





#11

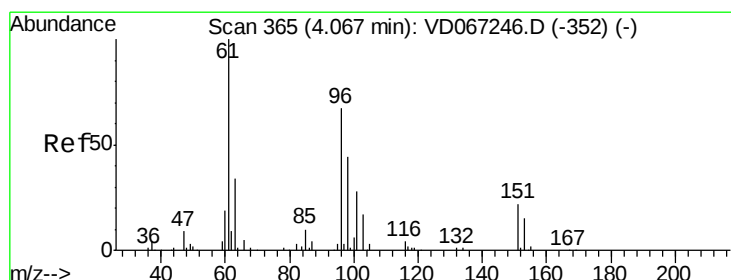
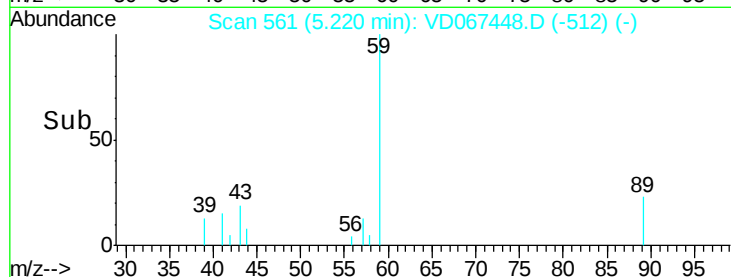
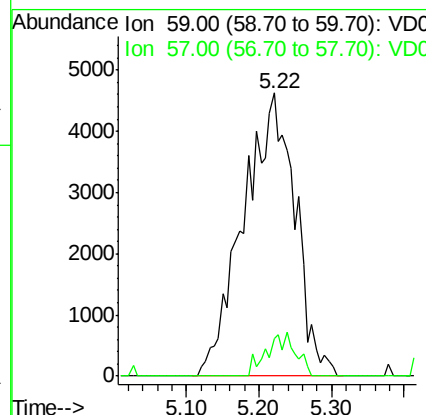
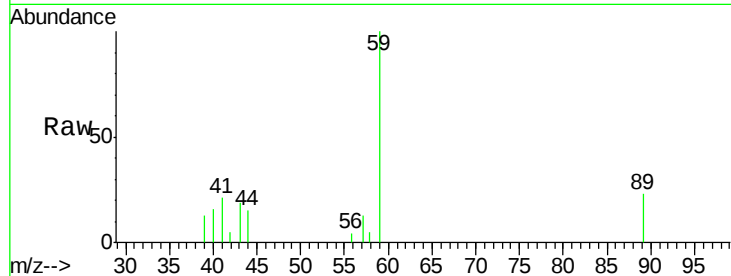
Tert butyl alcohol
Concen: 113.474 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 59 Resp: 22808
Ion Ratio Lower Upper
59 100
57 5.1 5.1 7.7#

Manual Integrations
APPROVED

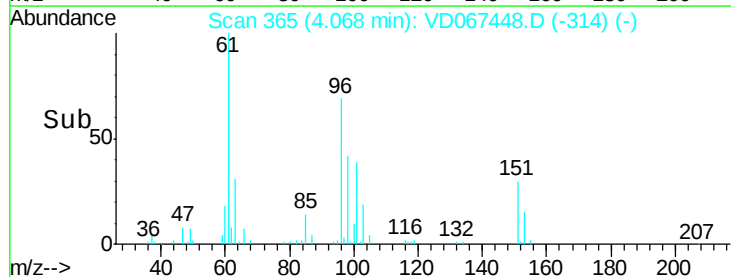
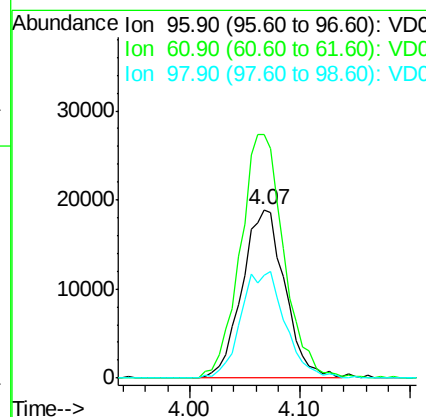
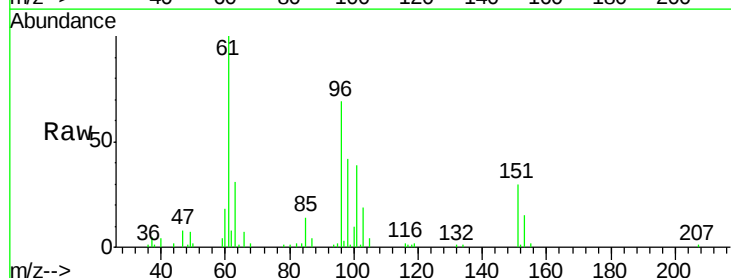
MMDadoda
10/30/2020 1:34:55 PM

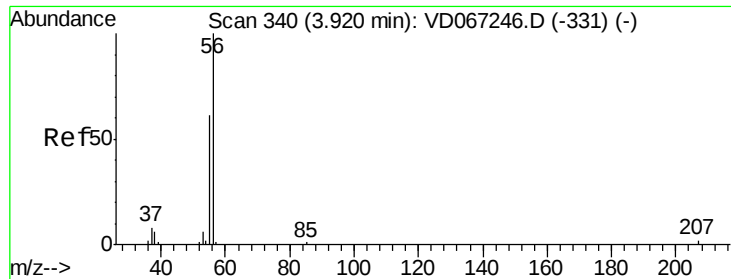


#12

1,1-Dichloroethene
Concen: 19.707 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 96 Resp: 51469
Ion Ratio Lower Upper
96 100
61 144.4 118.6 177.8
98 60.8 51.8 77.6





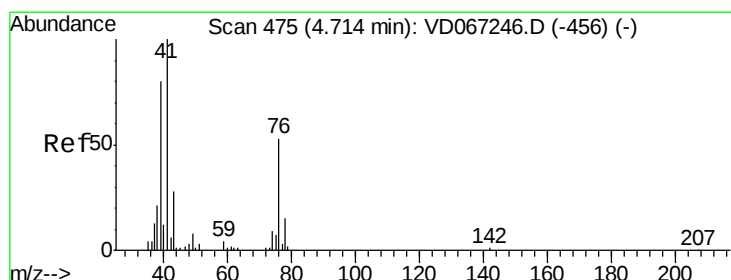
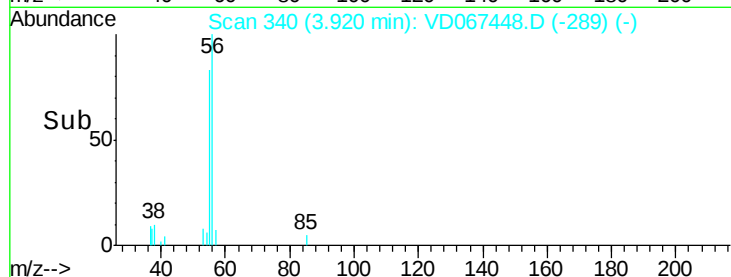
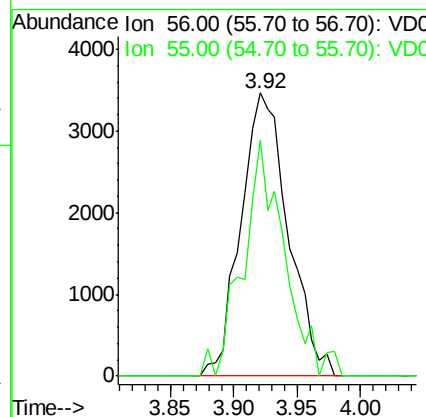
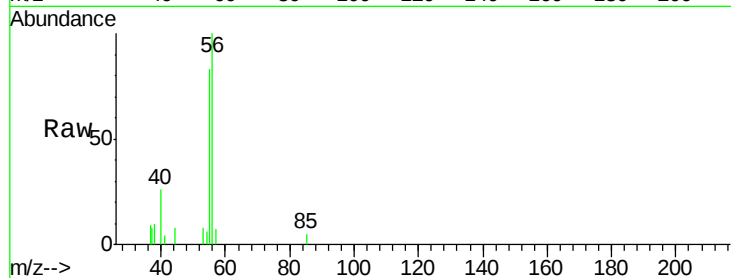
#13
Acrolein
Concen: 65.211 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.0	56.0	84.0

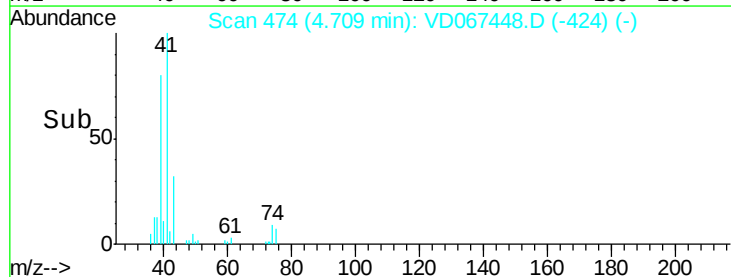
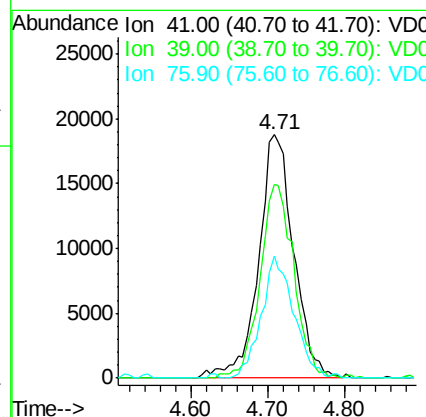
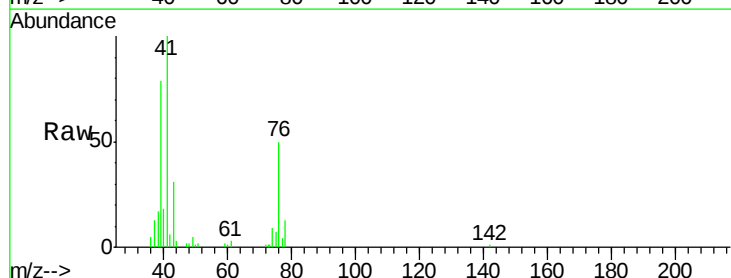
Manual Integrations
APPROVED

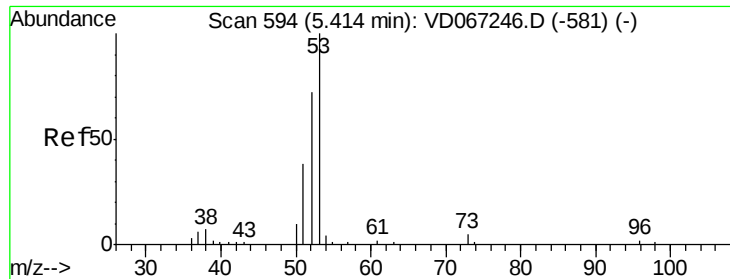
MMDadoda
10/30/2020 1:34:55 PM



#14
Allyl chloride
Concen: 19.963 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.8	63.8	95.6
76	46.2	40.4	60.6





#15

Acrylonitrile

Concen: 106.894 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

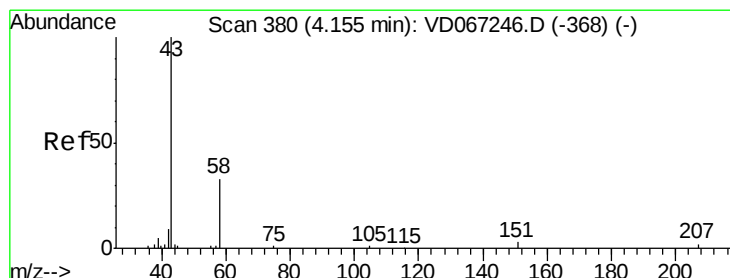
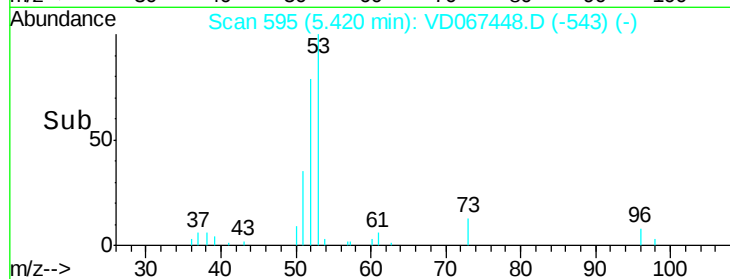
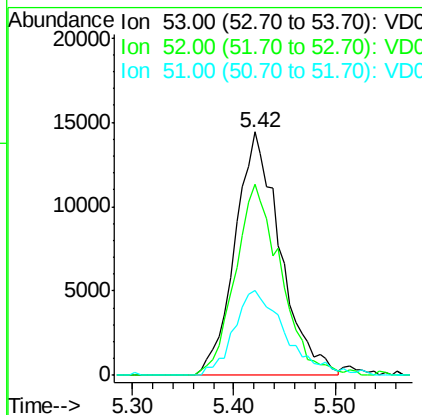
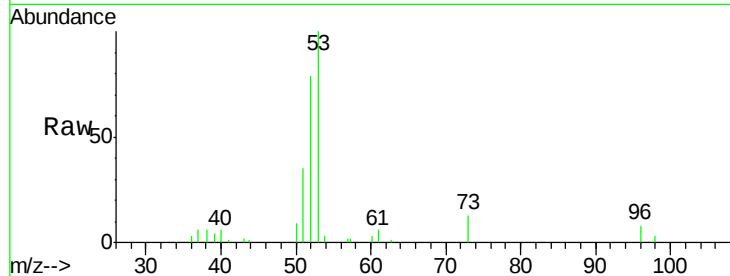
ClientSampleId :

VD1029SBS01

Tot Ion:	53	Resp:	44909
Ion	Ratio	Lower	Upper
53	100		
52	79.2	65.6	98.4
51	39.3	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#16

Acetone

Concen: 112.355 ug/l

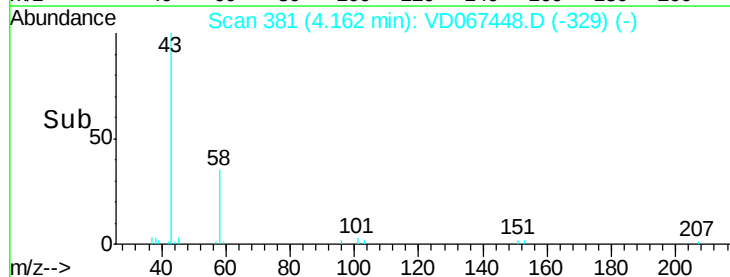
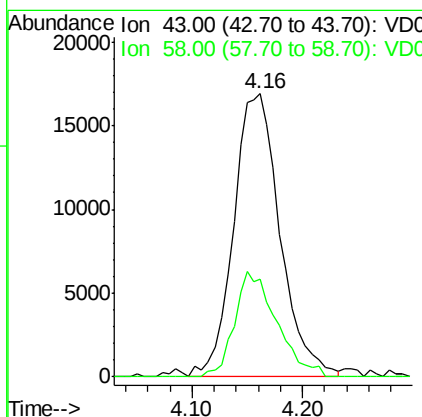
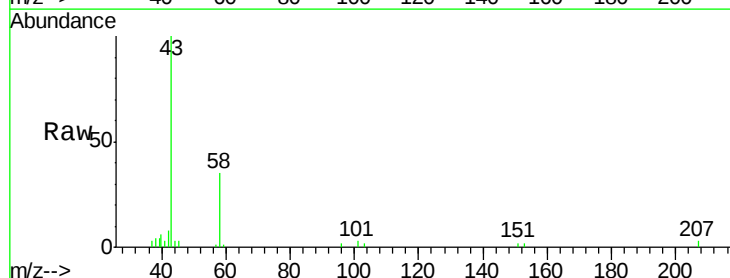
RT: 4.16 min Scan# 381

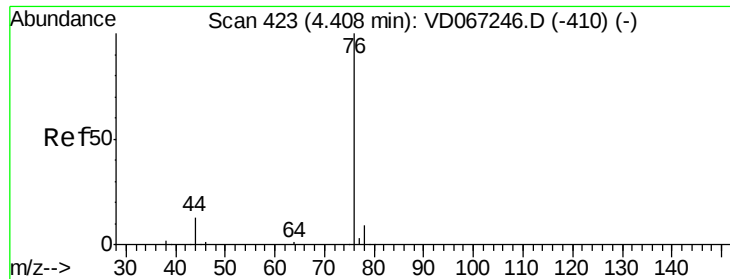
Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	43	Resp:	49886
Ion	Ratio	Lower	Upper
43	100		
58	34.6	26.1	39.1





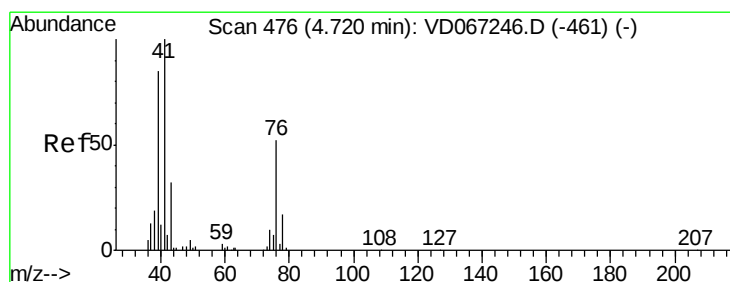
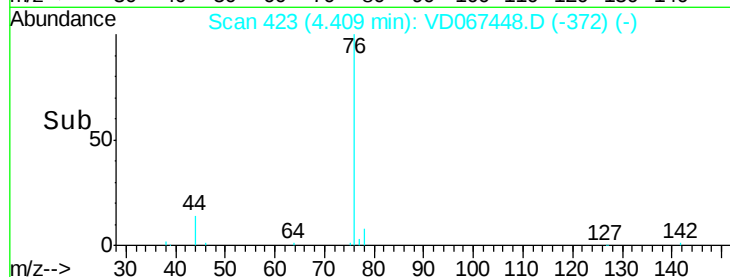
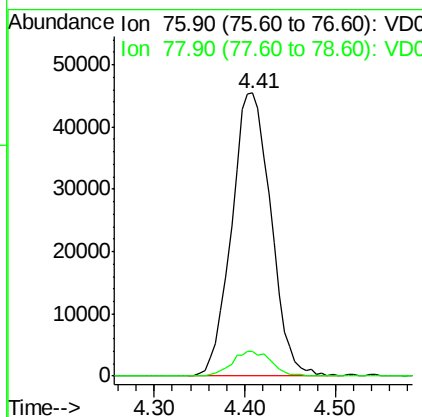
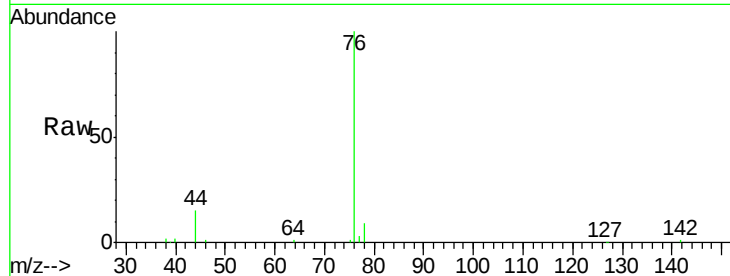
#17
Carbon Disulfide
Concen: 18.376 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion: 76 Resp: 136818
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

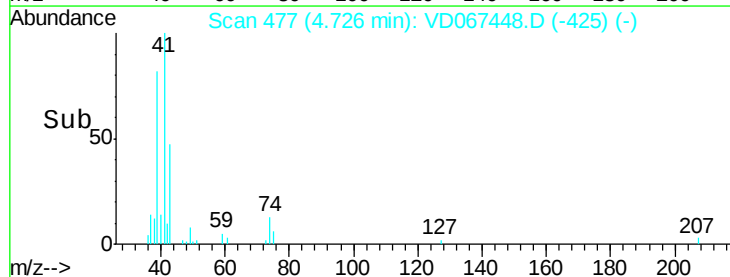
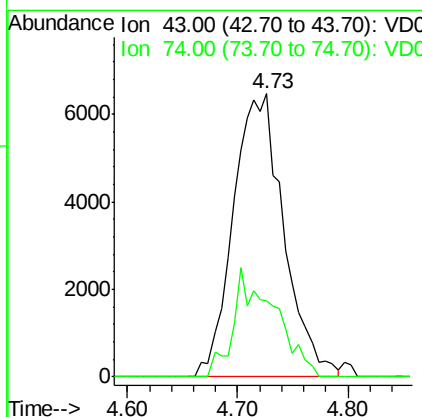
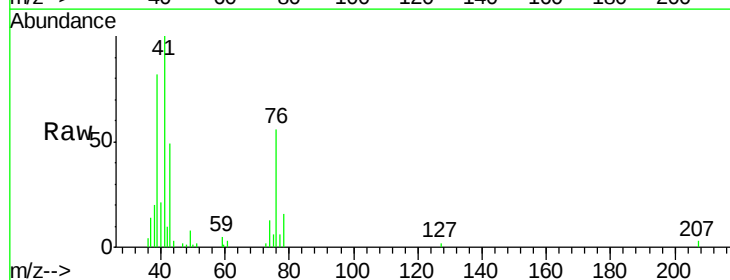
Manual Integrations
APPROVED

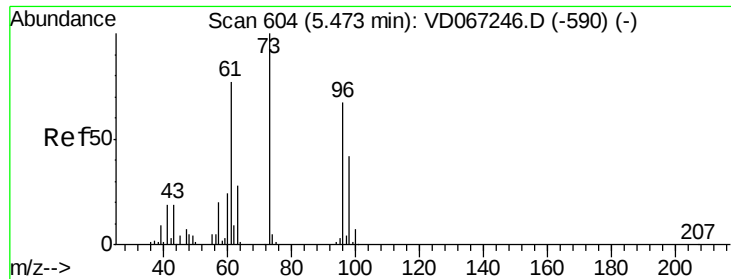
MMDadoda
10/30/2020 1:34:55 PM



#18
Methyl Acetate
Concen: 20.489 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 43 Resp: 20750
Ion Ratio Lower Upper
43 100
74 0.0 26.6 39.8#





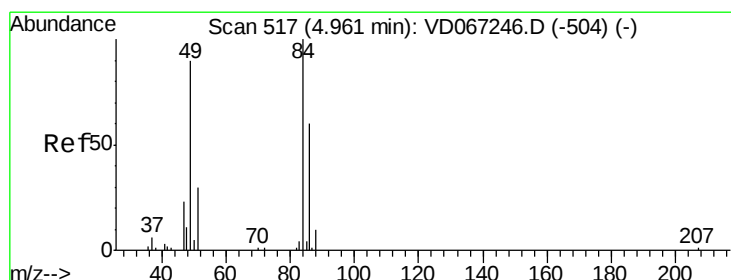
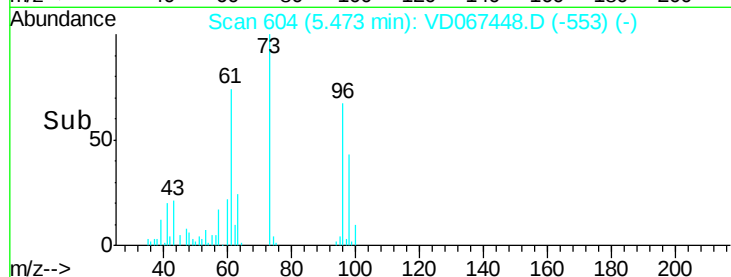
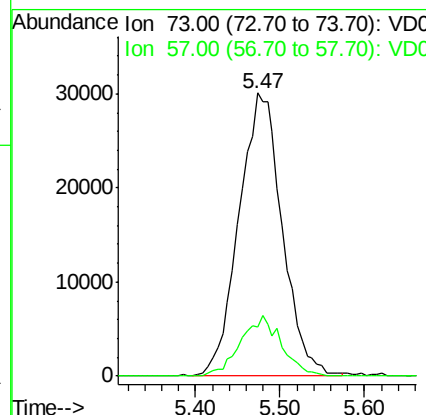
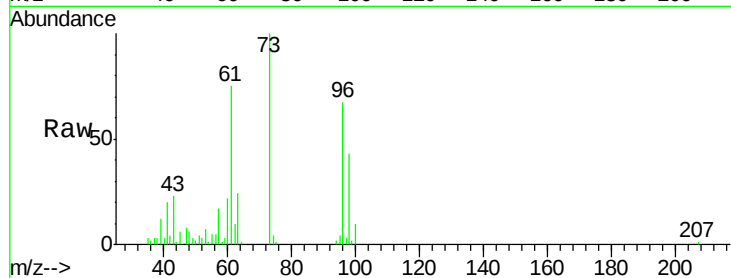
#19
Methyl tert-butyl Ether
Concen: 20.604 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 73 Resp: 106998
Ion Ratio Lower Upper
73 100
57 17.3 15.7 23.5

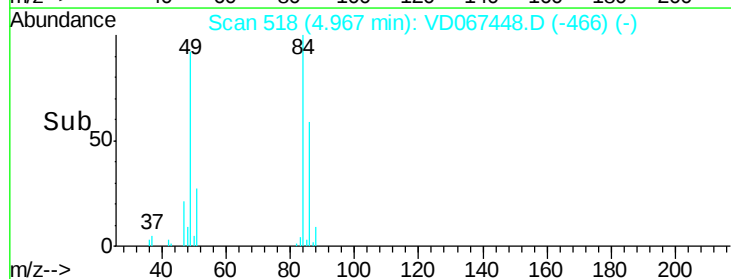
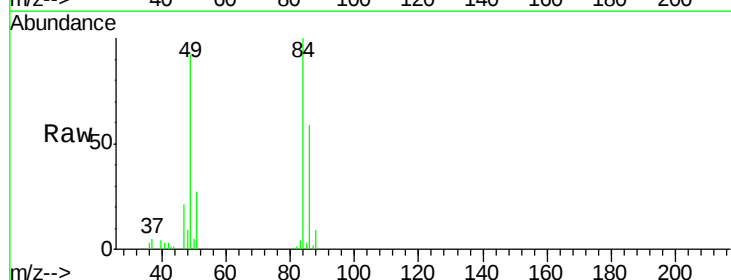
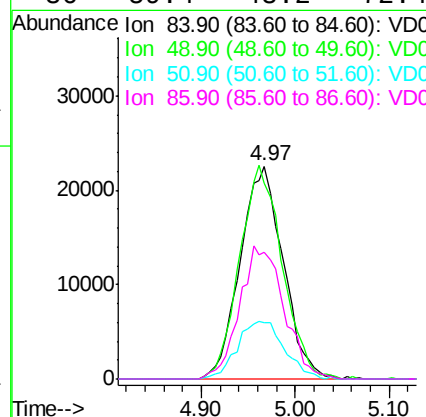
Manual Integrations
APPROVED

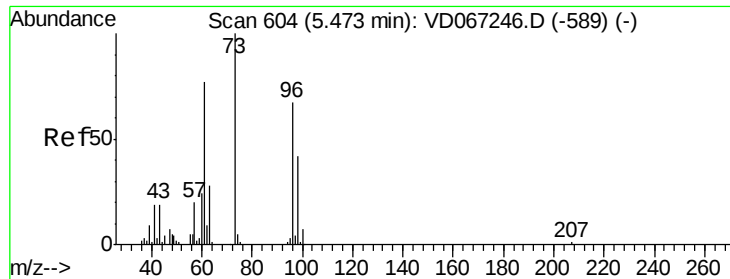
MMDadoda
10/30/2020 1:34:55 PM



#20
Methylene Chloride
Concen: 22.610 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 84 Resp: 71298
Ion Ratio Lower Upper
84 100
49 92.2 72.2 108.2
51 26.7 23.8 35.8
86 59.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.039 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

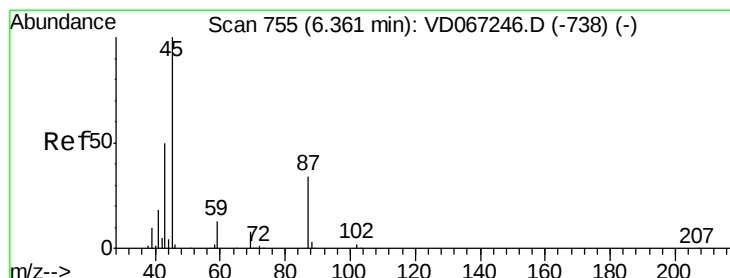
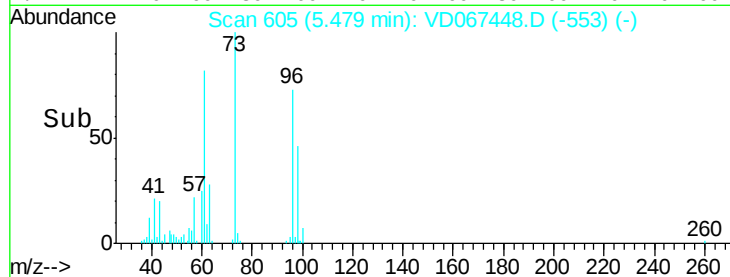
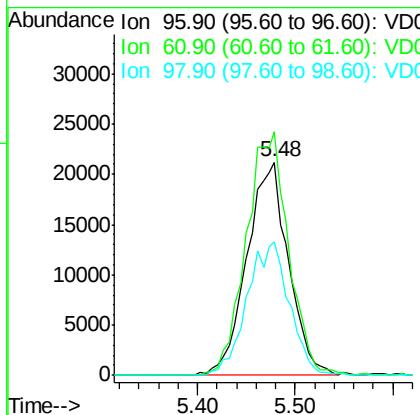
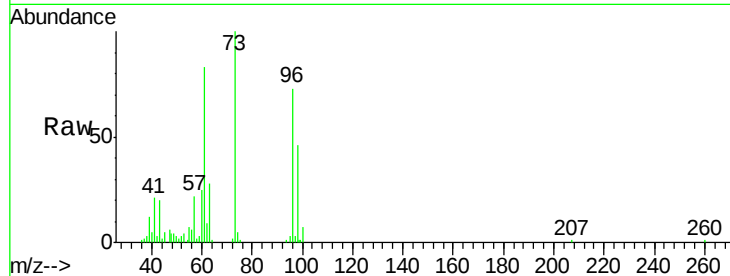
ClientSampleId :

VD1029SBS01

Tot Ion:	96	Resp:	63233
Ion	Ratio	Lower	Upper
96	100		
61	114.4	92.0	138.0
98	62.9	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#22

Diisopropyl ether

Concen: 21.329 ug/l

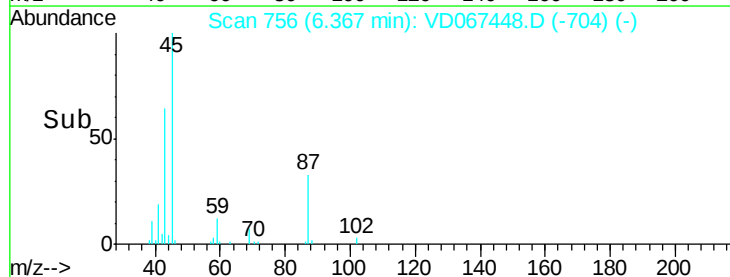
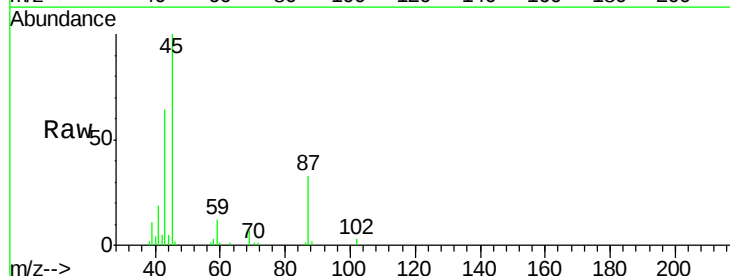
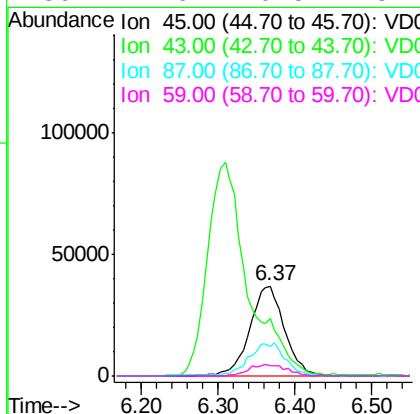
RT: 6.37 min Scan# 756

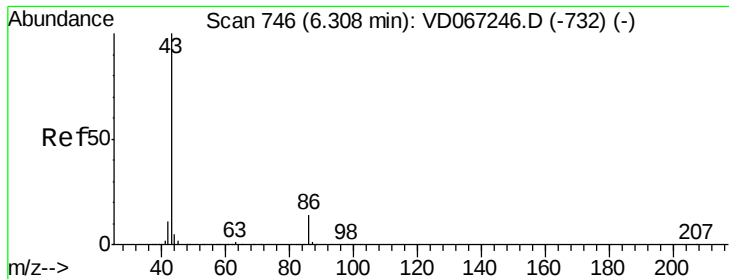
Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	45	Resp:	116533
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.0	72.0
87	33.1	28.5	42.7
59	11.6	10.5	15.7





#23

Vinyl Acetate

Concen: 103.575 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 43 Resp: 321949

Ion Ratio Lower Upper

43 100

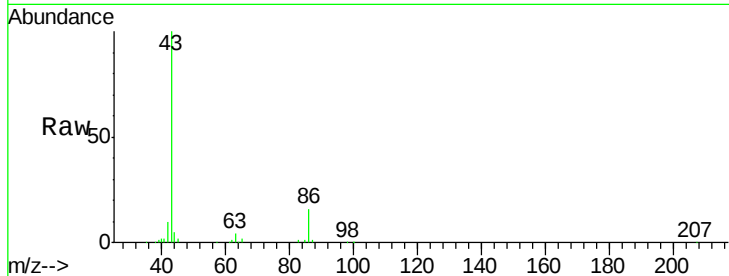
86 16.2 11.0 16.6

Manual Integrations

APPROVED

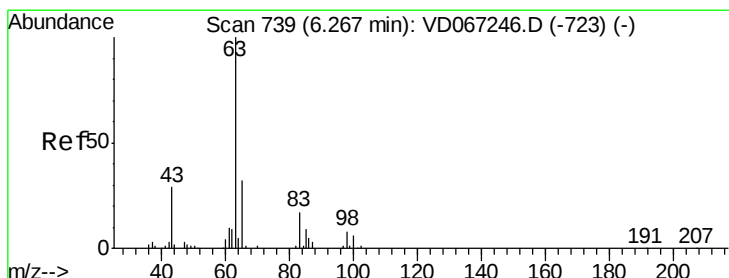
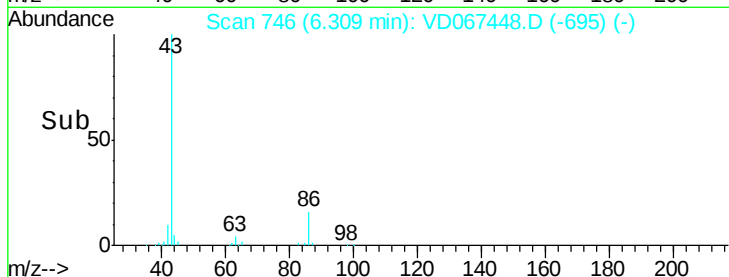
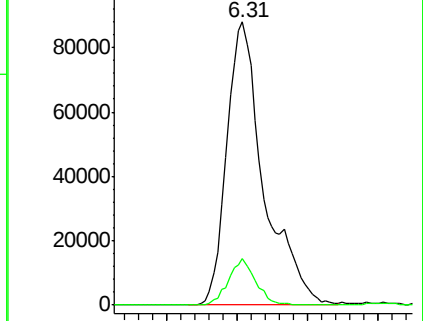
MMDadoda

10/30/2020 1:34:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.152 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

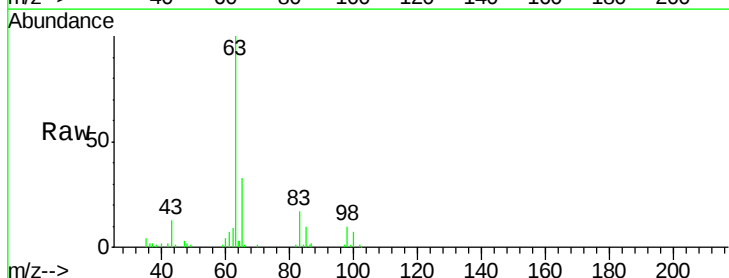
Tgt Ion: 63 Resp: 98927

Ion Ratio Lower Upper

63 100

98 10.2 4.0 12.2

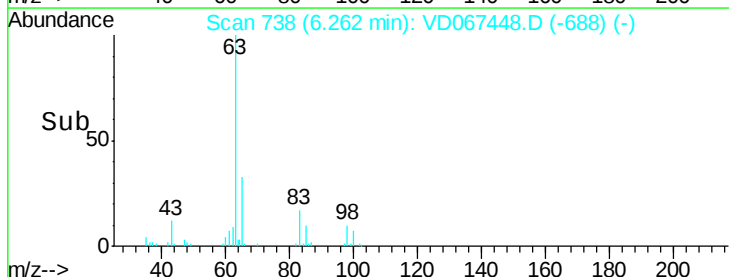
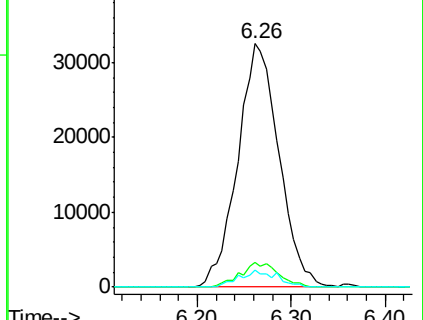
100 6.8 2.8 8.4

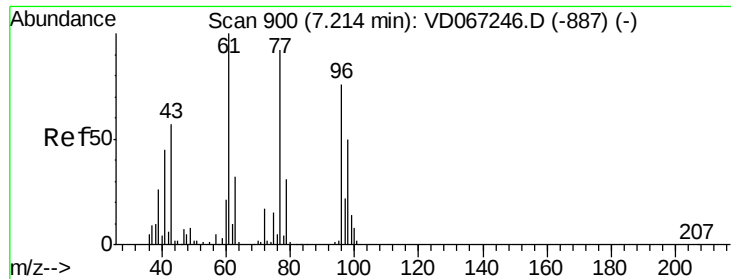


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





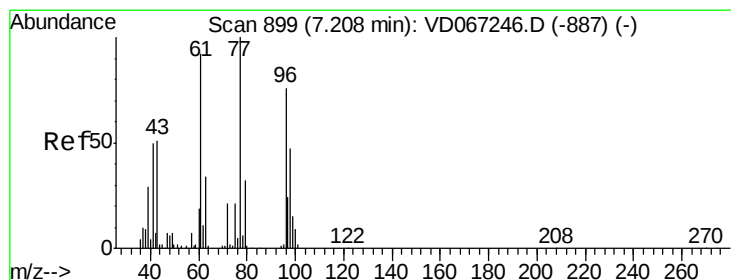
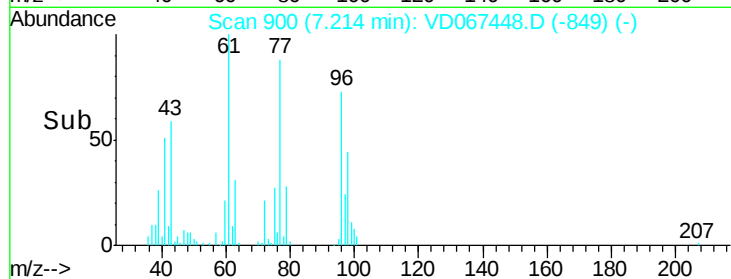
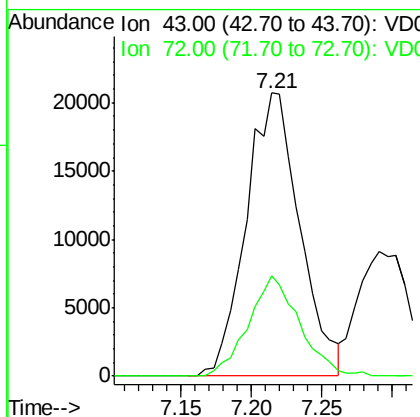
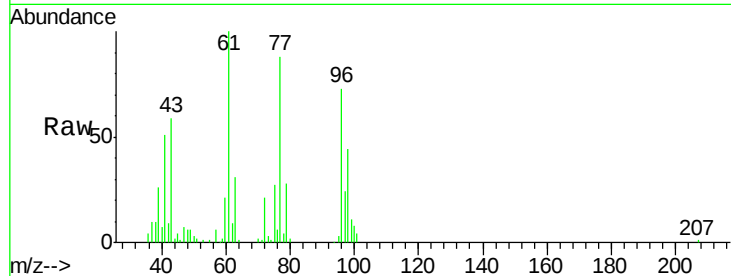
#25
2-Butanone
Concen: 109.140 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 43 Resp: 55238
Ion Ratio Lower Upper
43 100
72 35.4 23.7 35.5

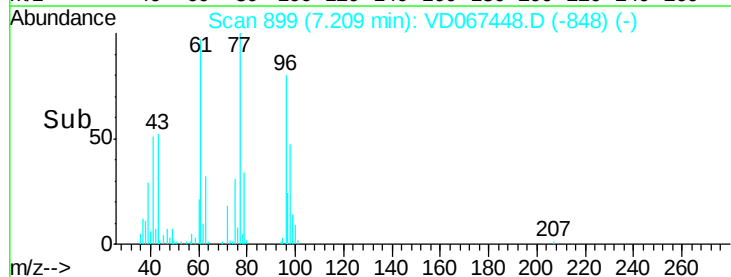
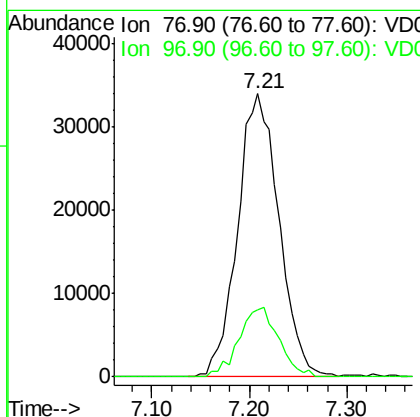
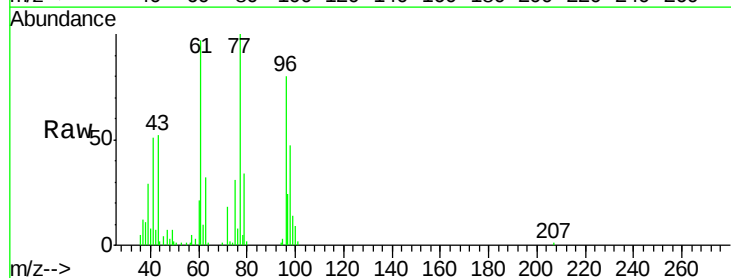
Manual Integrations
APPROVED

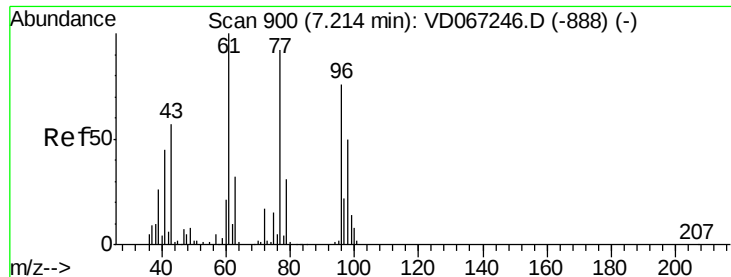
MMDadoda
10/30/2020 1:34:55 PM



#26
2,2-Dichloropropane
Concen: 20.811 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 77 Resp: 100324
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2





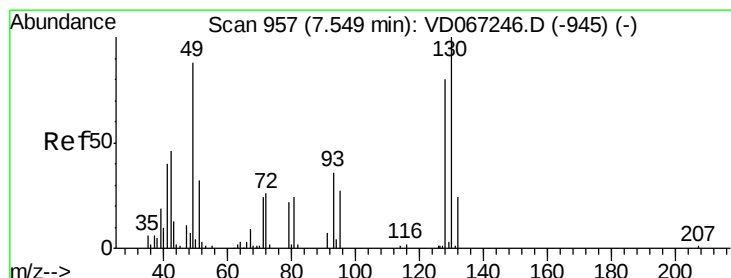
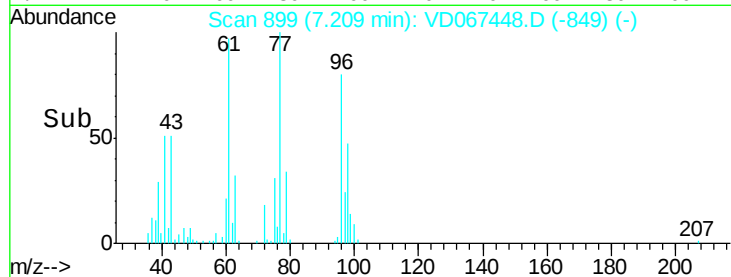
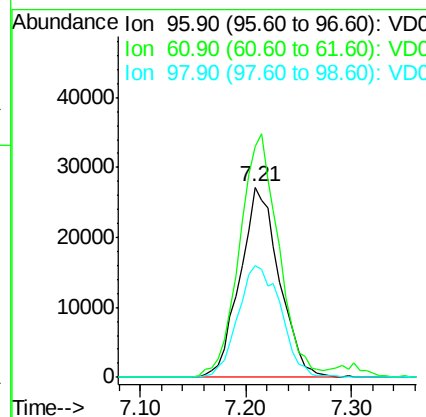
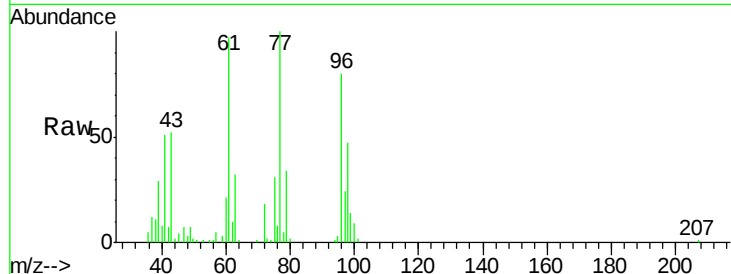
#27
 cis-1,2-Dichloroethene
 Concen: 21.277 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.3	0.0	255.4	
98	64.2	0.0	128.0	

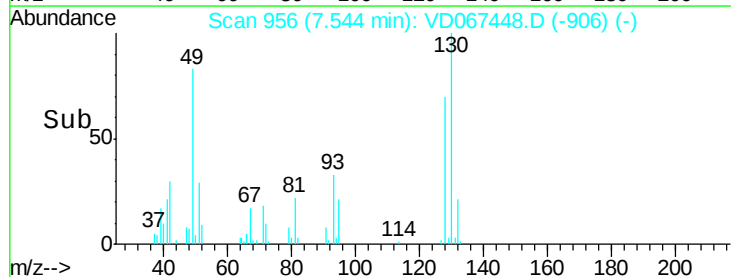
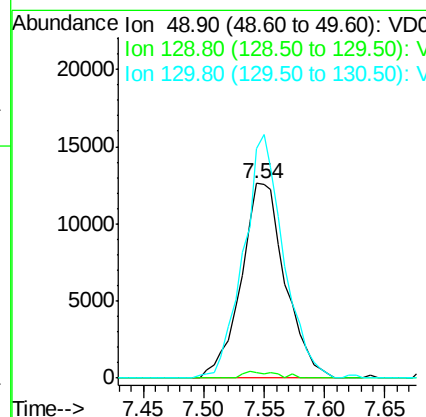
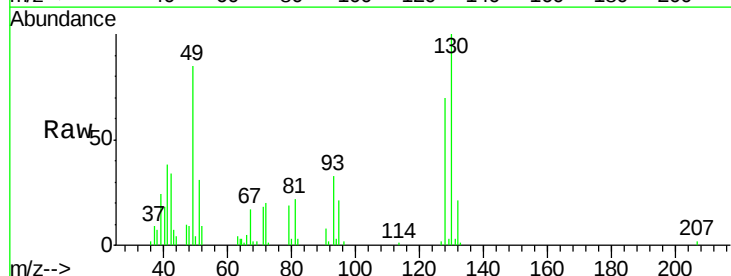
Manual Integrations
 APPROVED

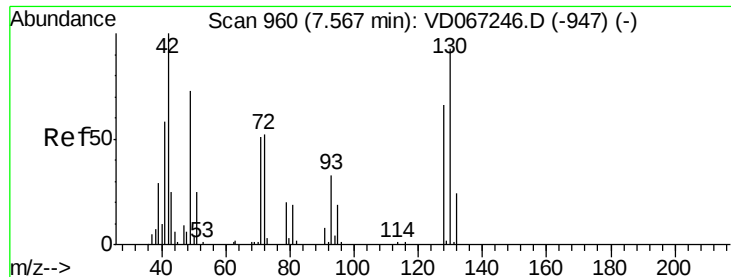
MMDadoda
 10/30/2020 1:34:55 PM



#28
 Bromochloromethane
 Concen: 20.003 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.5	0.0	1.6#	
130	113.7	91.0	136.6	





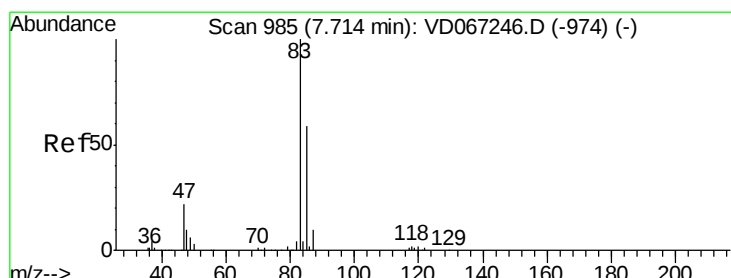
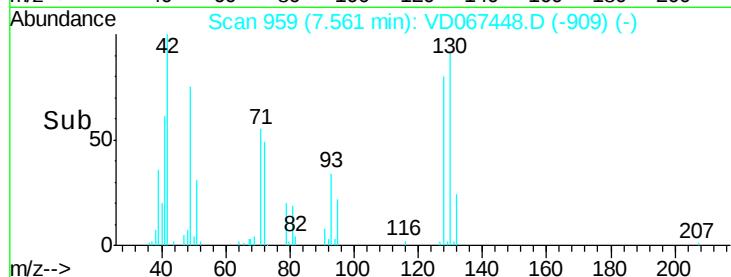
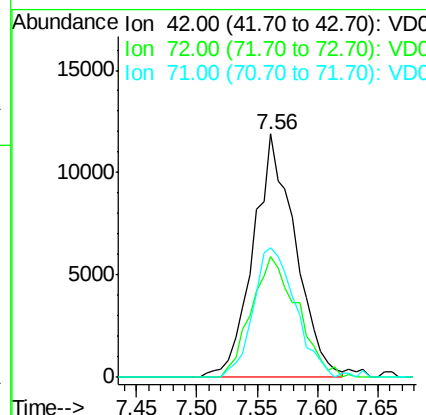
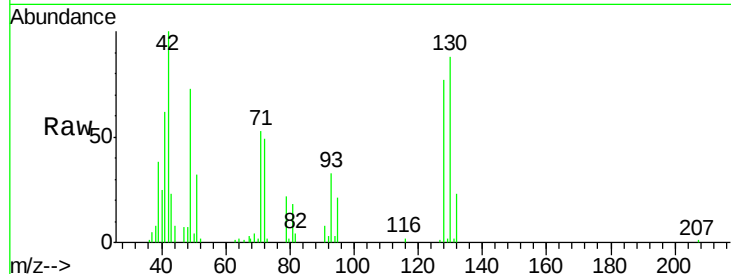
#29
Tetrahydrofuran
Concen: 102.253 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.5	43.2	64.8
71	53.3	39.4	59.0

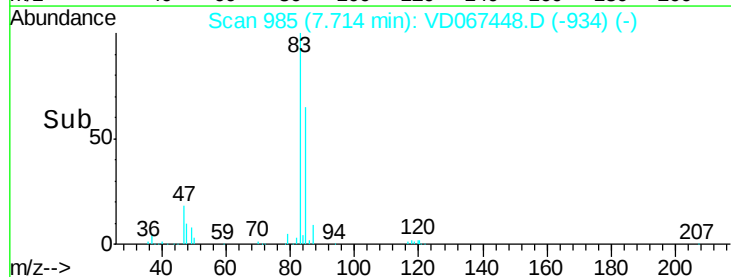
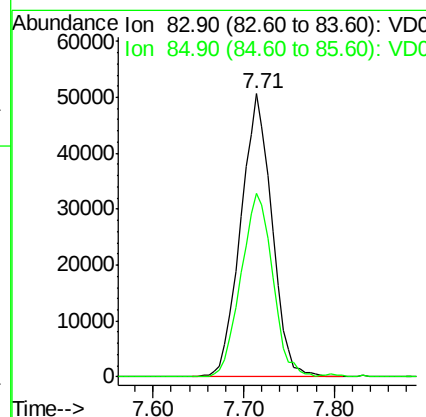
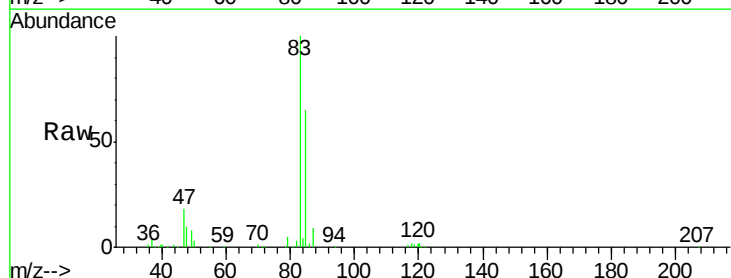
Manual Integrations
APPROVED

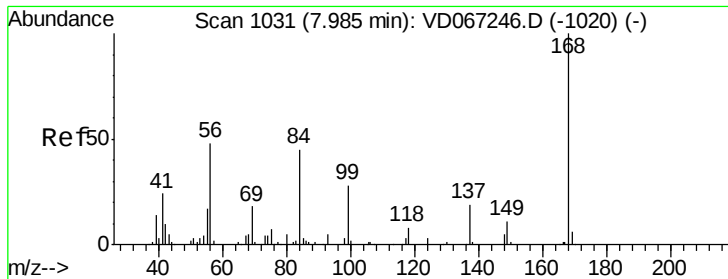
MMDadoda
10/30/2020 1:34:55 PM



#30
Chloroform
Concen: 21.591 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	47.3	70.9





#31

Cyclohexane

Concen: 19.687 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

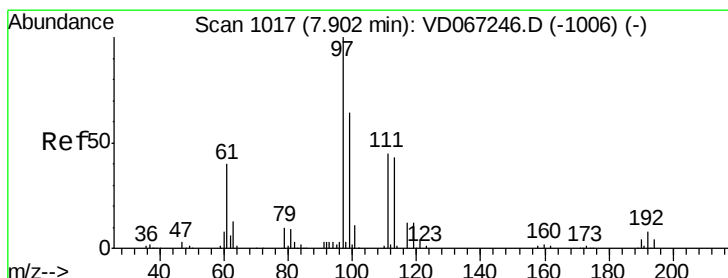
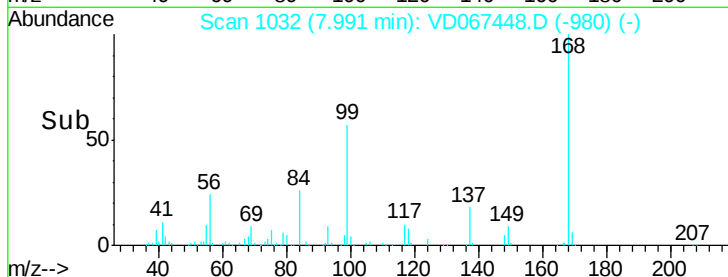
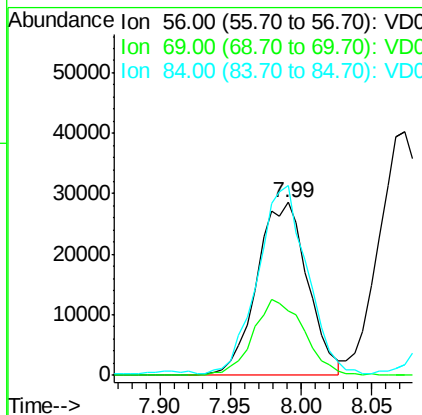
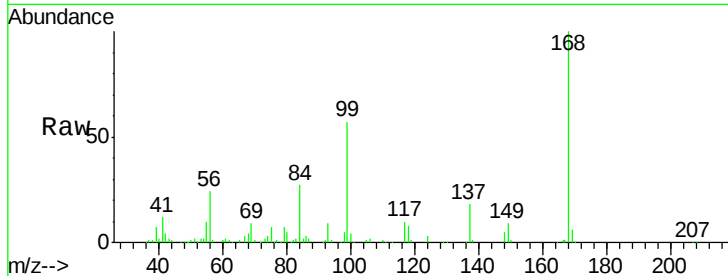
ClientSampleId :

VD1029SBS01

Tot Ion:	56	Resp:	71889
Ion	Ratio	Lower	Upper
56	100		
69	36.5	29.8	44.6
84	107.7	76.6	114.8

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#32

1,1,1-Trichloroethane

Concen: 20.410 ug/l

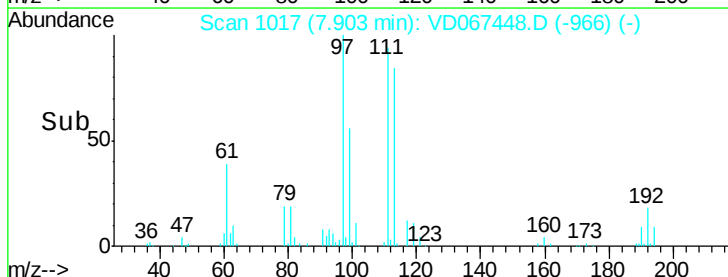
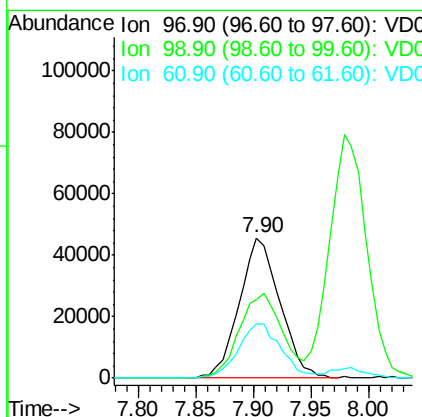
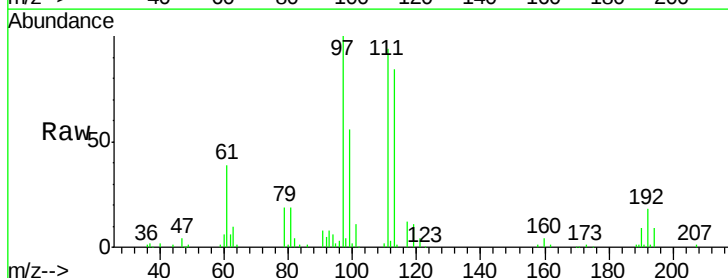
RT: 7.90 min Scan# 1017

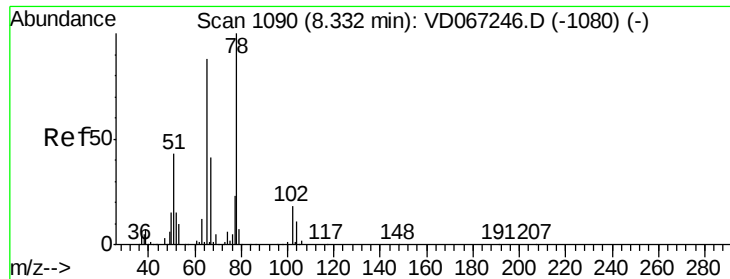
Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	97	Resp:	111884
Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.2	75.4
61	40.8	30.5	45.7





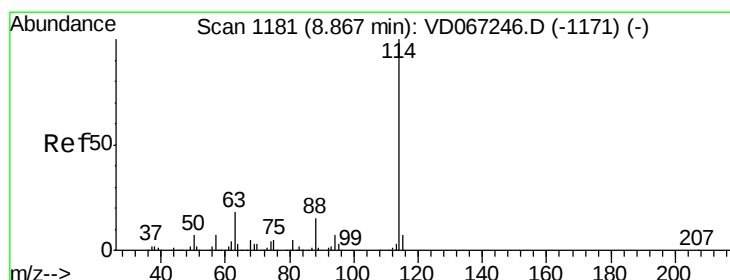
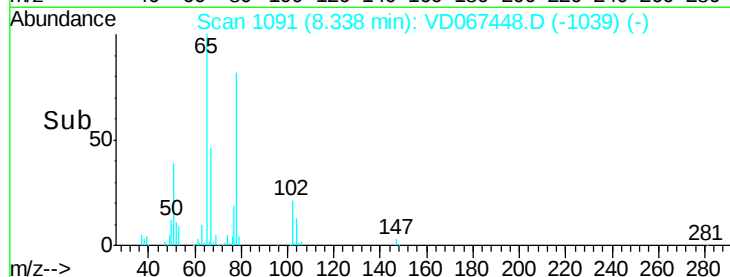
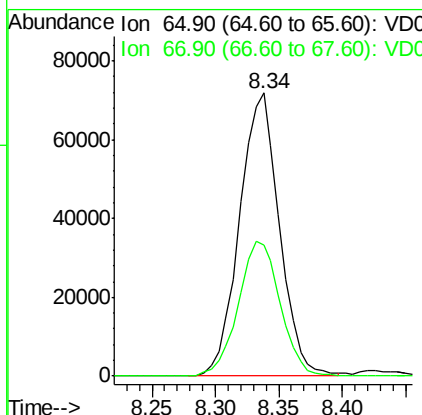
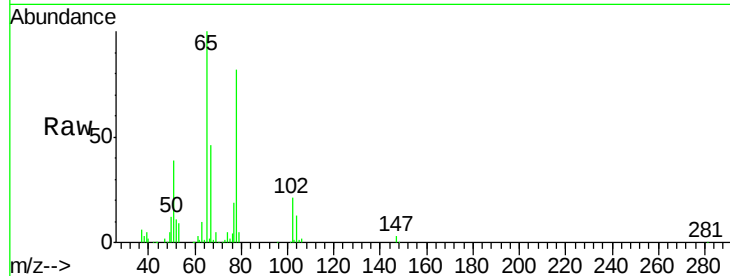
#33
 1,2-Dichloroethane-d4
 Concen: 49.528 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.9	0.0	103.8	

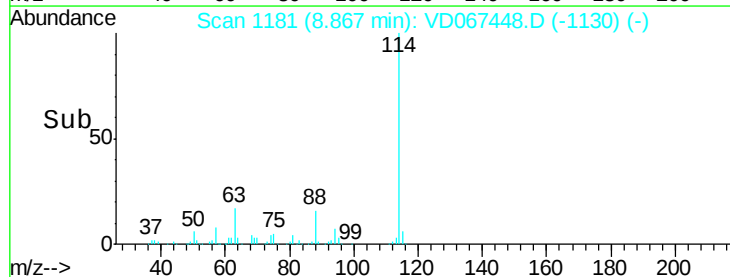
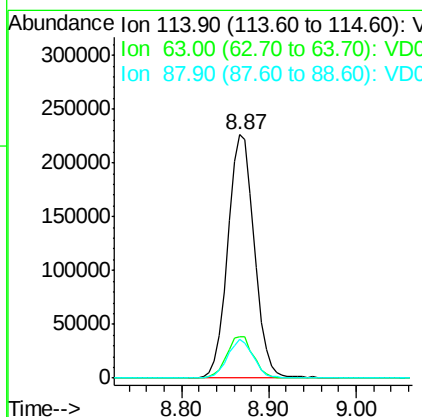
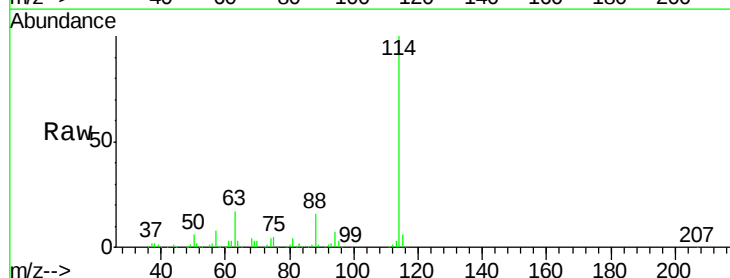
Manual Integrations
 APPROVED

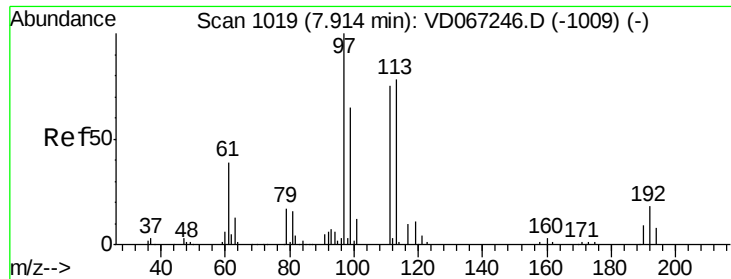
MMDadoda
 10/30/2020 1:34:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.2	0.0	35.0	
88	16.2	0.0	30.6	





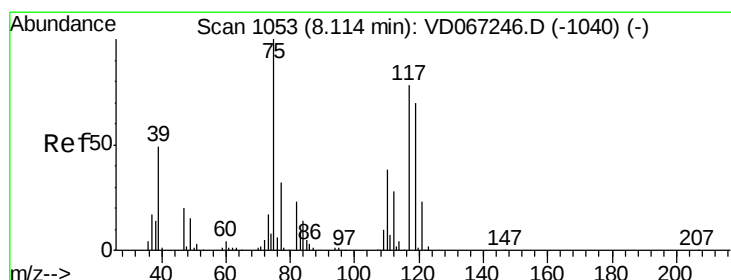
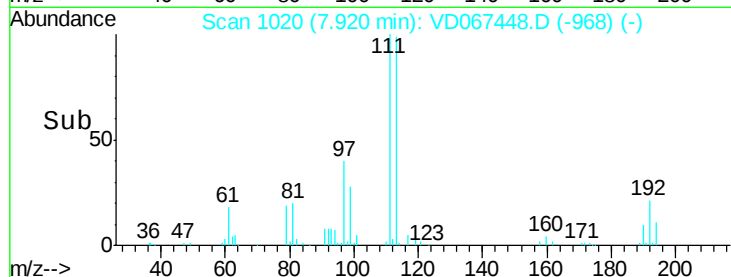
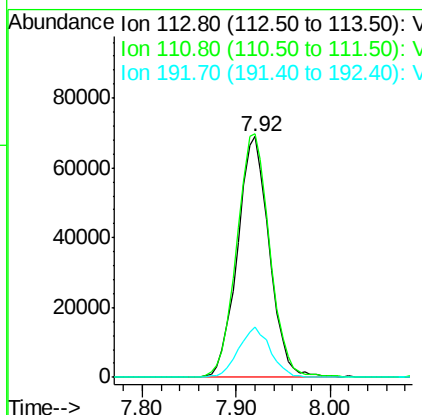
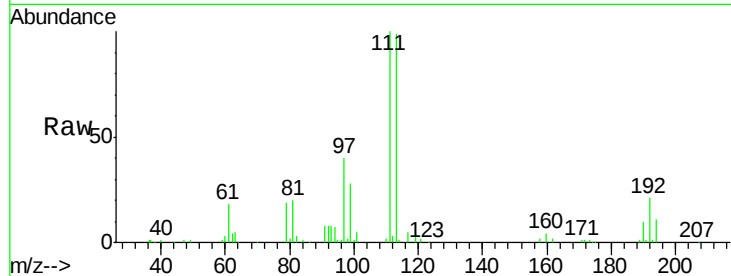
#35
Dibromofluoromethane
Concen: 52.291 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162173		
111	104.9	81.6	122.4	
192	20.9	17.0	25.4	

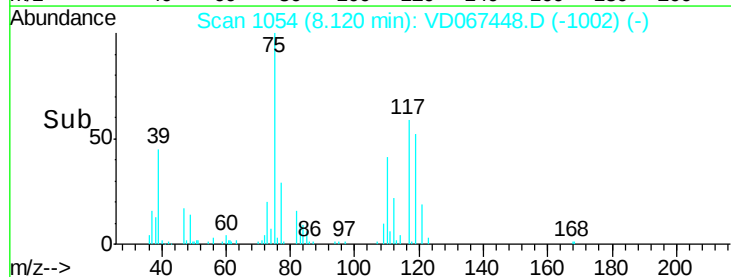
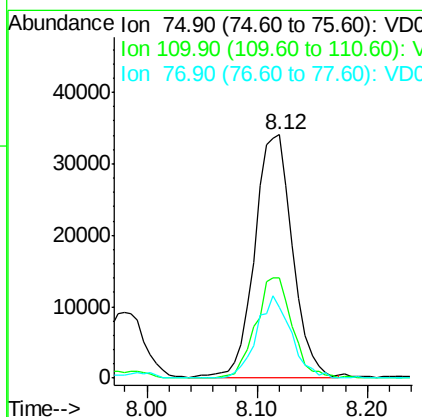
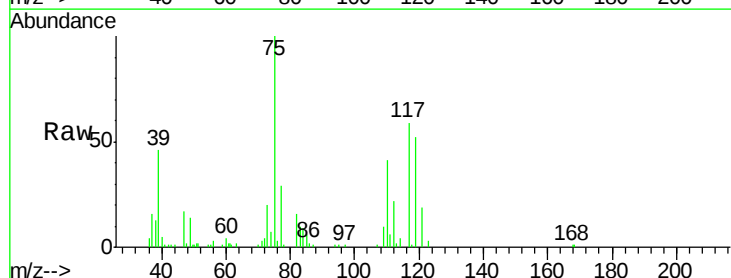
Manual Integrations
APPROVED

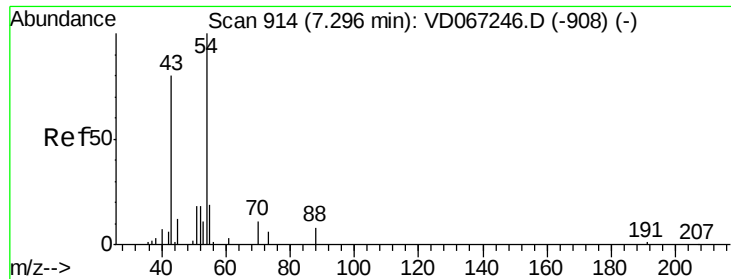
MMDadoda
10/30/2020 1:34:55 PM



#36
1,1-Dichloropropene
Concen: 20.791 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82122		
110	39.7	19.6	58.7	
77	30.7	24.6	37.0	





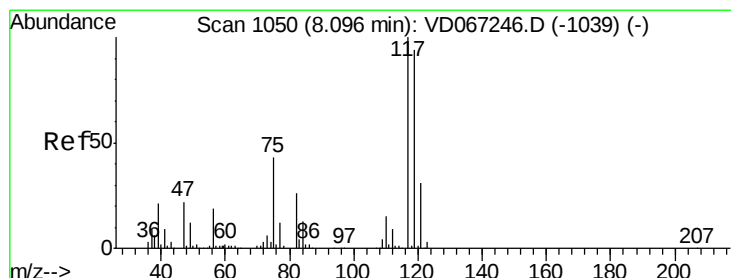
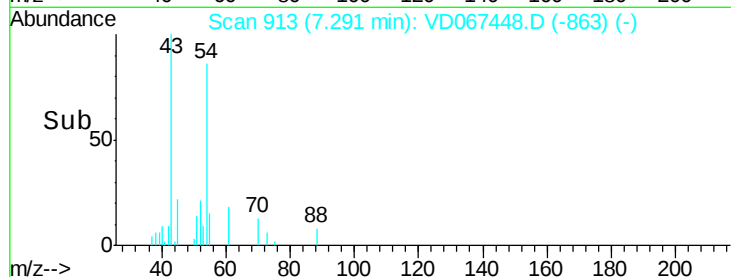
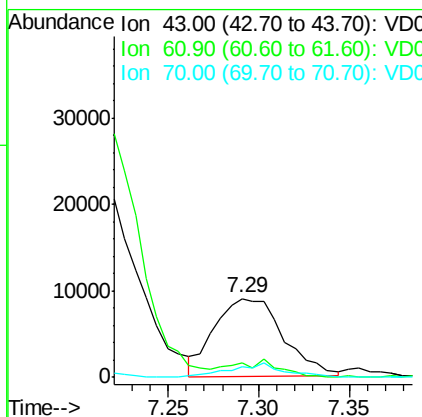
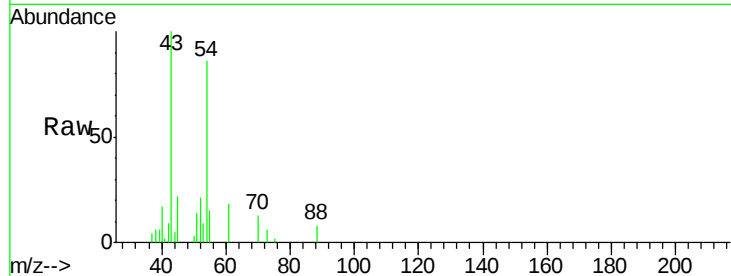
#37
Ethyl Acetate
Concen: 20.441 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	14.3	10.4	15.6

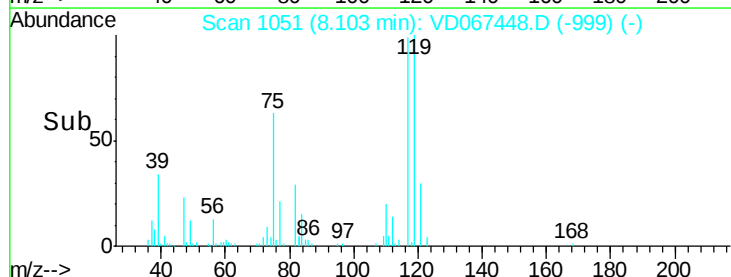
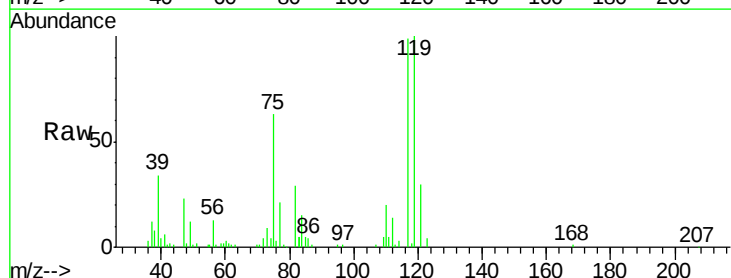
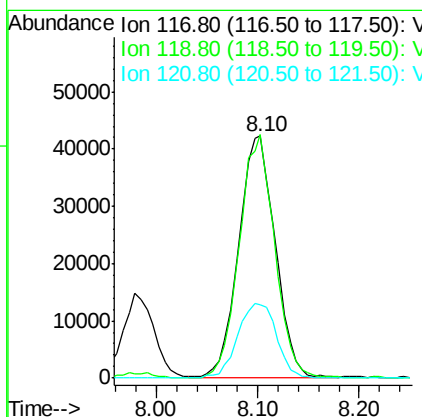
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#38
Carbon Tetrachloride
Concen: 21.057 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	75.0	112.4
121	30.5	24.9	37.3





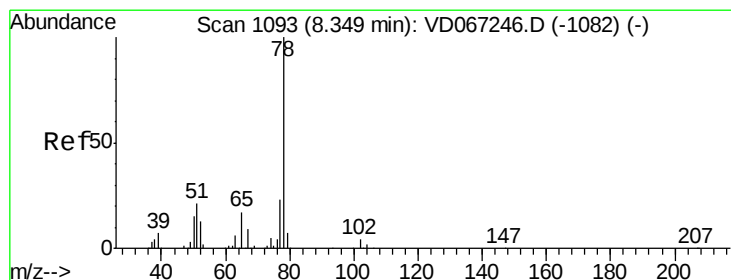
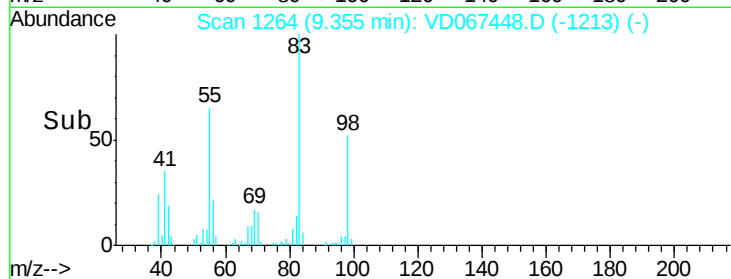
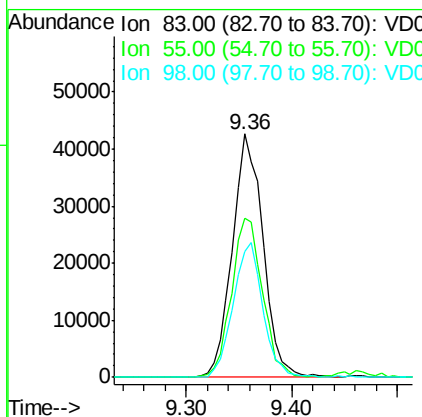
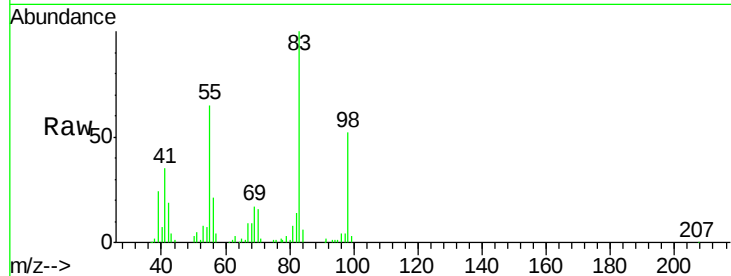
#39
Methvlcvclohexane
Concen: 20.820 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.2	53.3	79.9
98	51.6	41.0	61.4

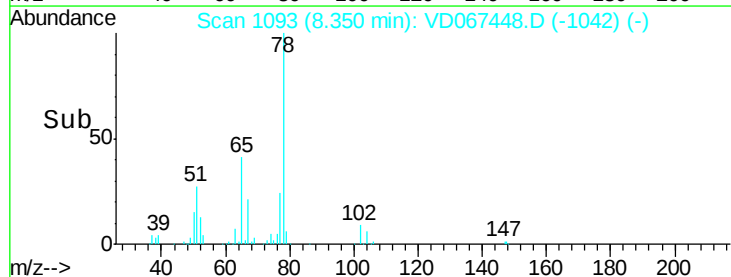
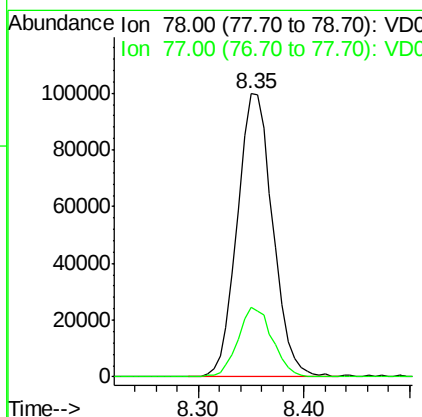
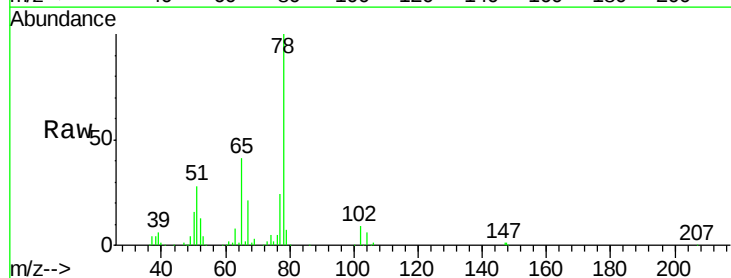
Manual Integrations
APPROVED

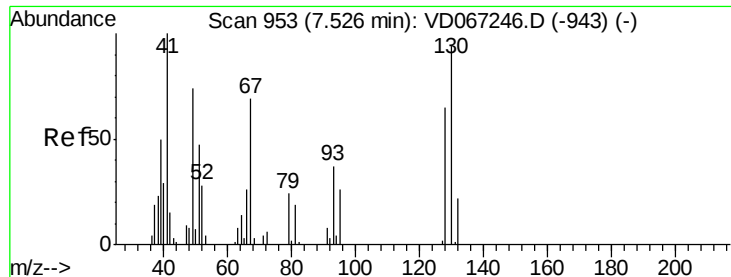
MMDadoda
10/30/2020 1:34:55 PM



#40
Benzene
Concen: 21.488 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.3	27.5





#41

Methacrylonitrile

Concen: 25.735 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 41 Resp: 16161

Ion Ratio Lower Upper

41 100

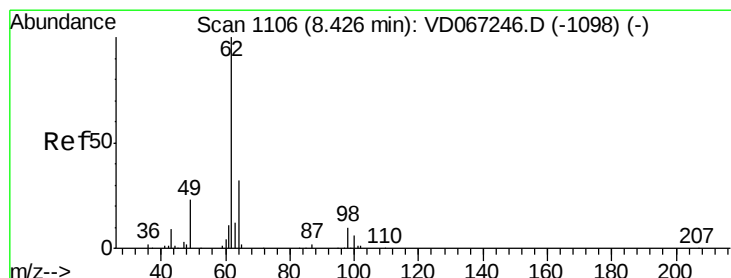
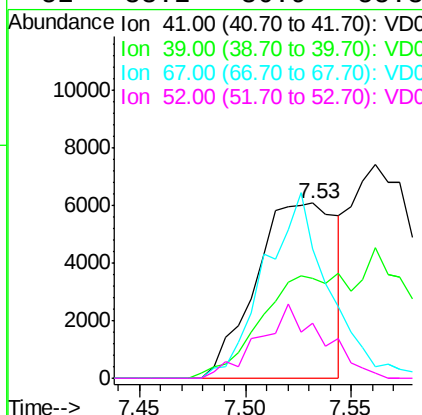
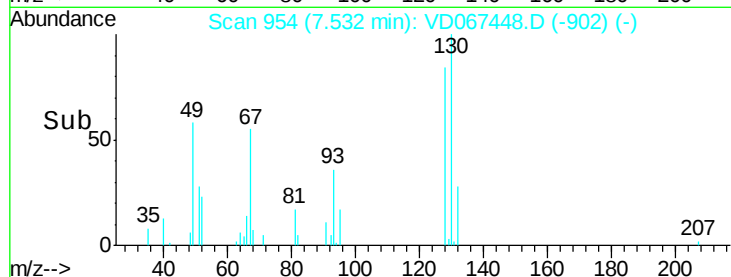
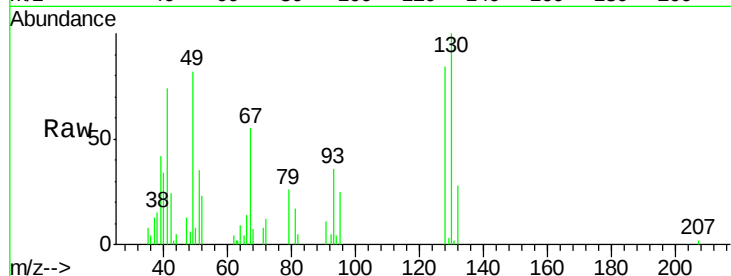
39 0.0 60.0 90.0#

67 84.3 88.9 133.3#

52 33.2 36.9 55.3#

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#42

1,2-Dichloroethane

Concen: 21.668 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067448.D

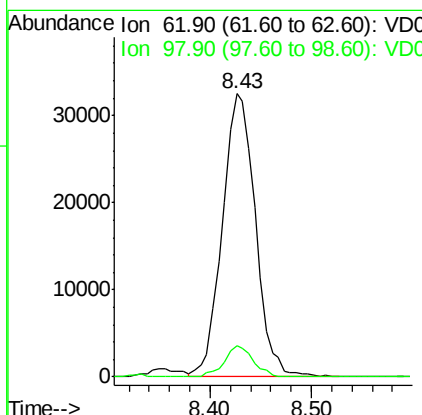
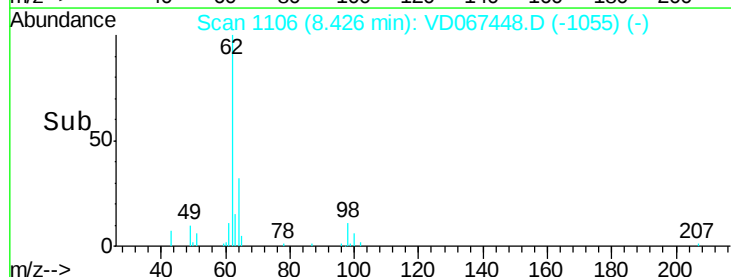
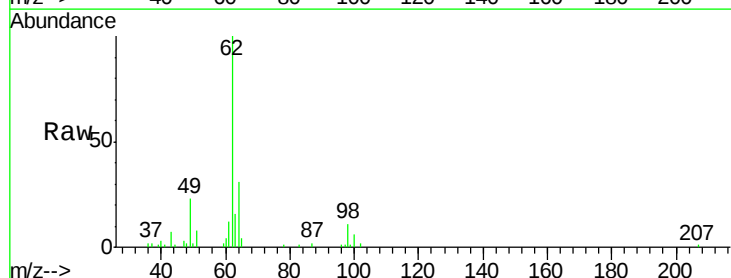
Acq: 29 Oct 2020 13:29

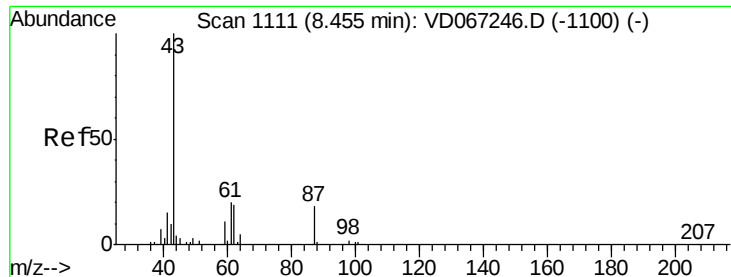
Tgt Ion: 62 Resp: 73476

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.4





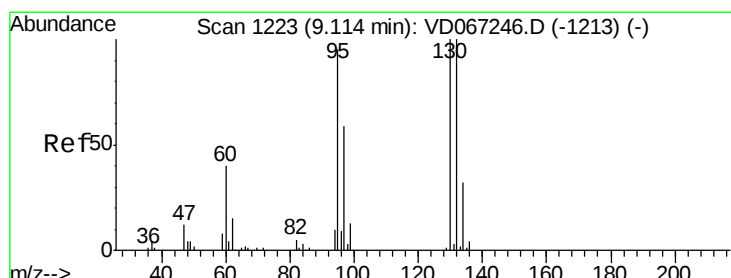
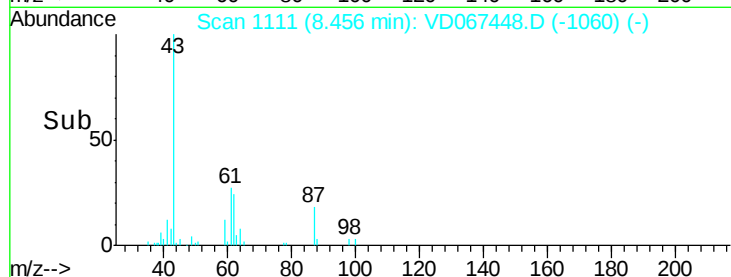
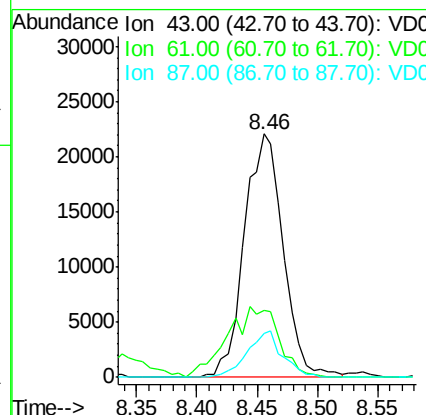
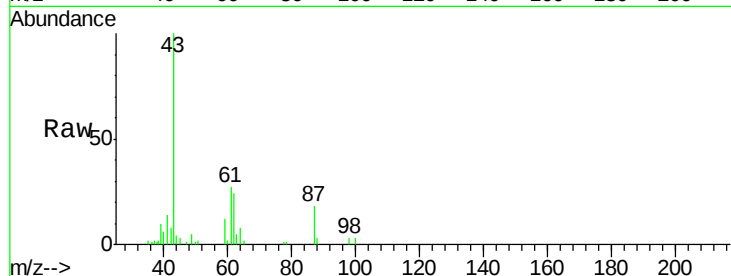
#43
Isopropyl Acetate
Concen: 21.515 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.5	29.5	44.3
87	17.4	14.2	21.4

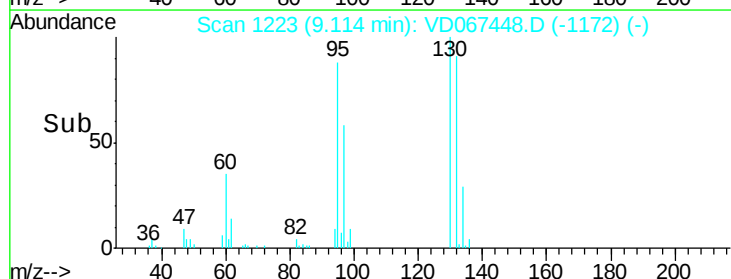
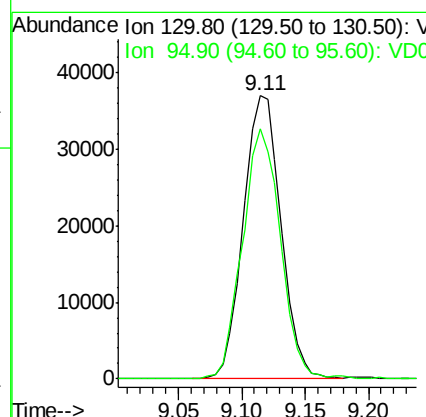
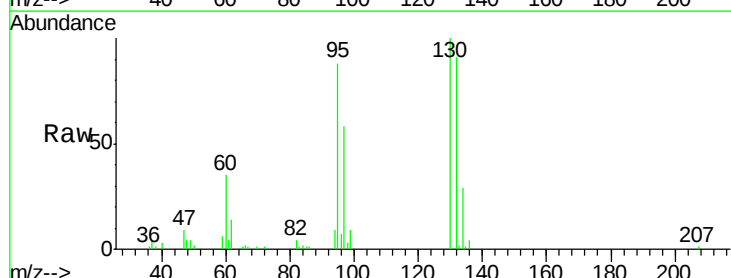
Manual Integrations
APPROVED

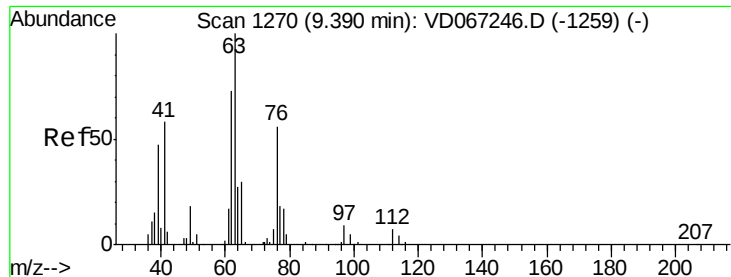
MMDadoda
10/30/2020 1:34:55 PM



#44
Trichloroethene
Concen: 22.017 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	190.6





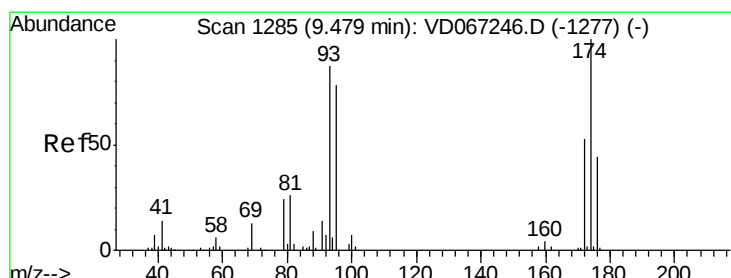
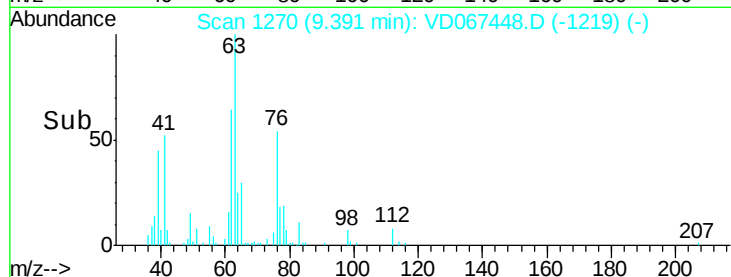
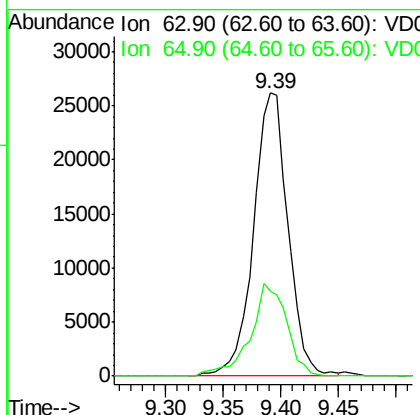
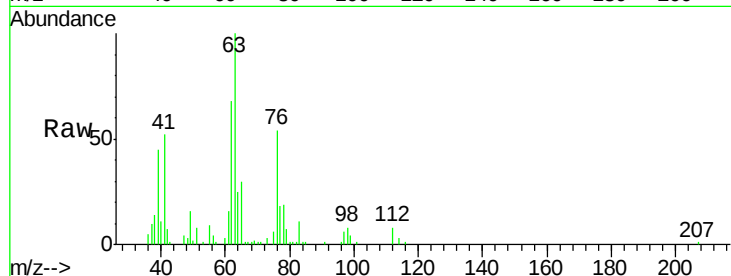
#45
 1,2-Dichloropropane
 Concen: 21.693 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 63 Resp: 54477
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.6 36.8

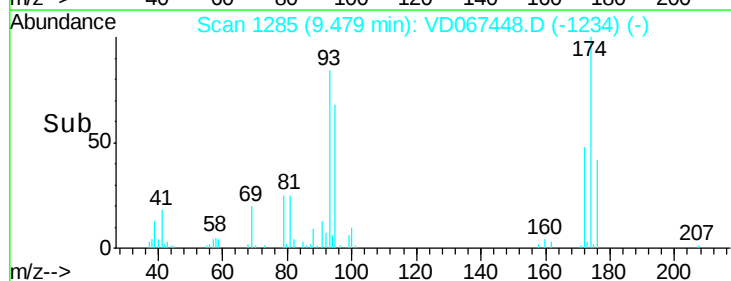
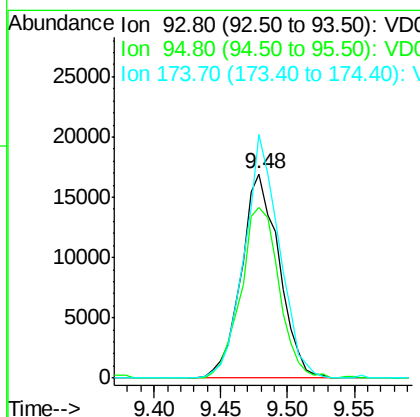
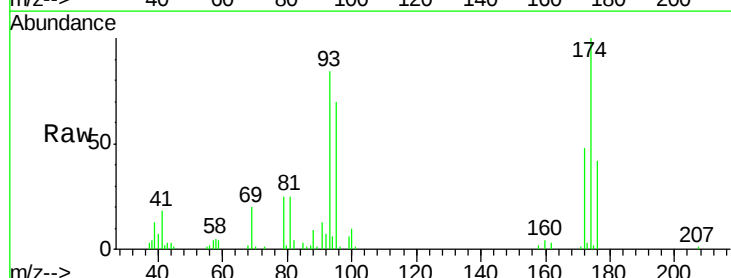
Manual Integrations
 APPROVED

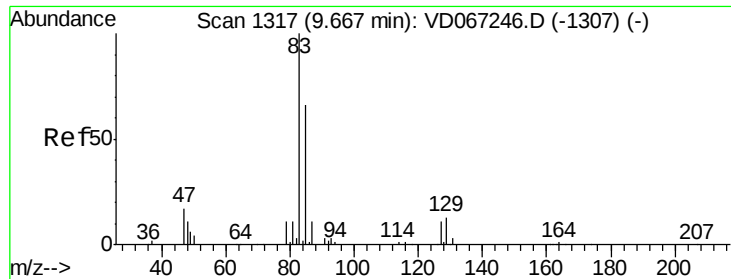
MMDadoda
 10/30/2020 1:34:55 PM



#46
 Dibromomethane
 Concen: 21.127 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 93 Resp: 33057
 Ion Ratio Lower Upper
 93 100
 95 84.1 68.0 102.0
 174 110.0 91.8 137.6





#47

Bromodichloromethane

Concen: 21.593 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

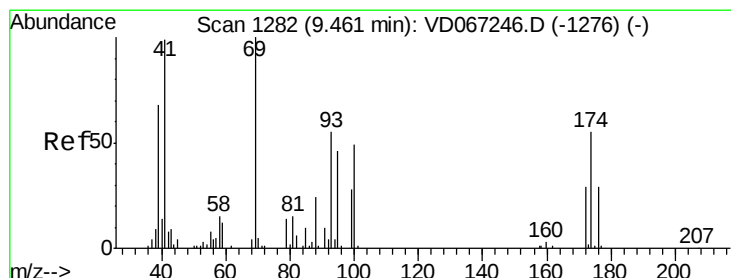
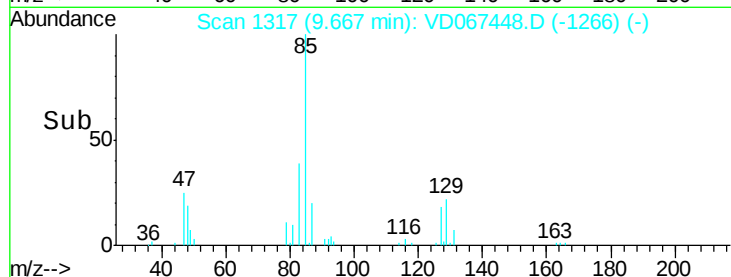
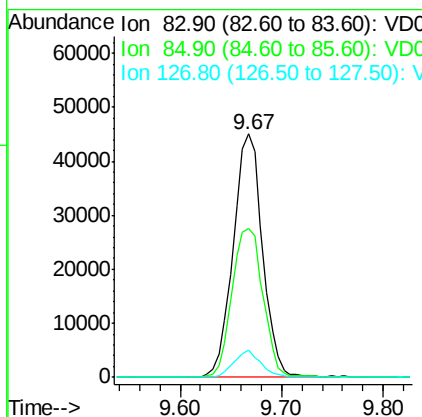
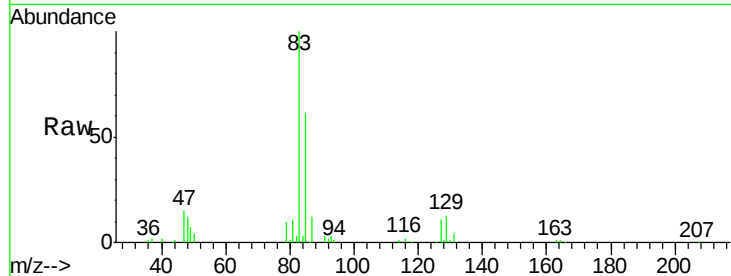
ClientSampleId :

VD1029SBS01

Tot Ion:	83	Resp:	90519
Ion	Ratio	Lower	Upper
83	100		
85	60.9	53.1	79.7
127	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#48

Methyl methacrylate

Concen: 20.943 ug/l

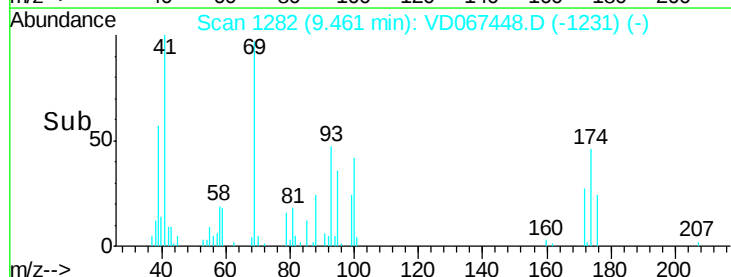
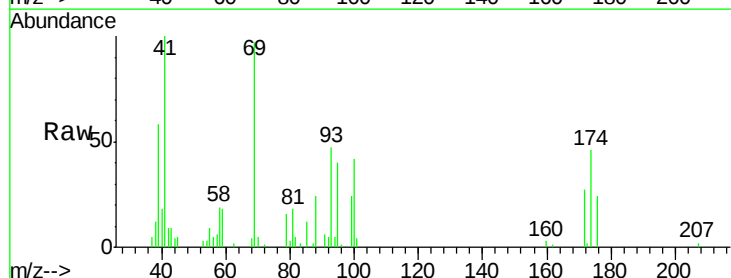
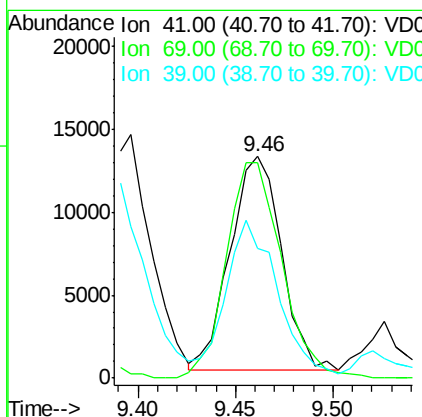
RT: 9.46 min Scan# 1282

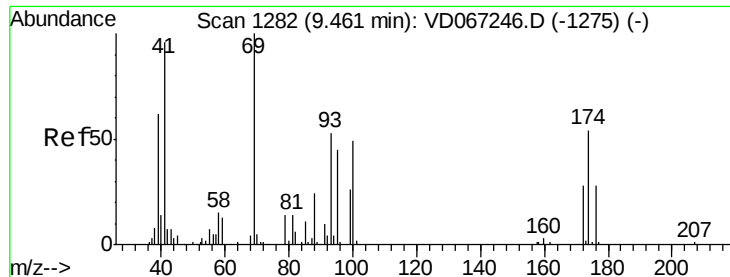
Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	41	Resp:	23469
Ion	Ratio	Lower	Upper
41	100		
69	109.0	89.0	133.6
39	75.9	60.2	90.2





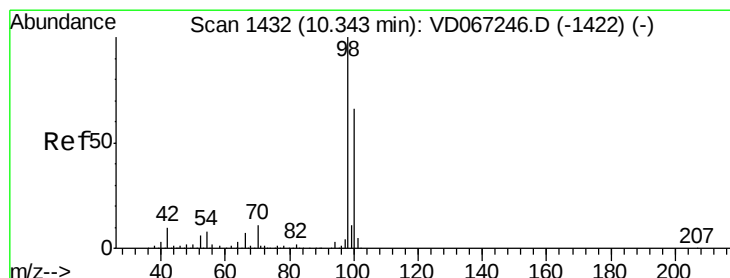
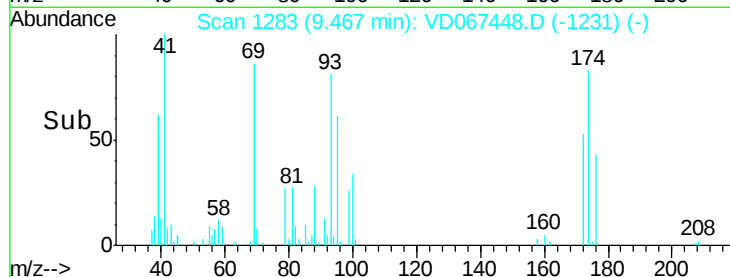
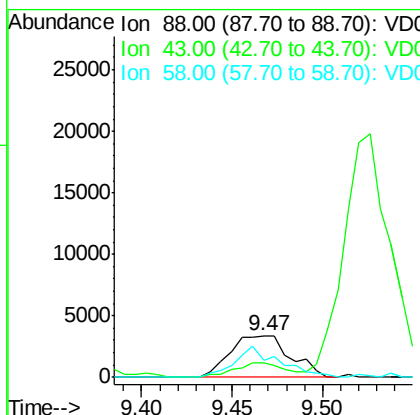
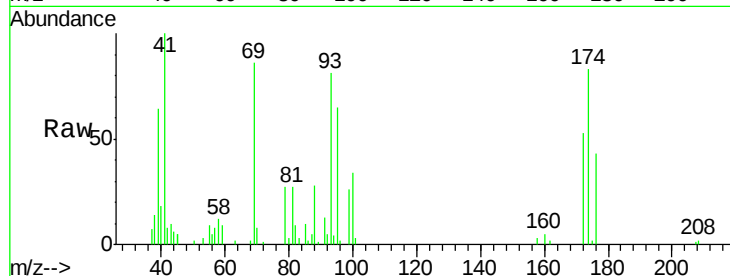
#49
1,4-Dioxane
Concen: 501.784 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.9	35.9
58	55.6	51.0	76.6

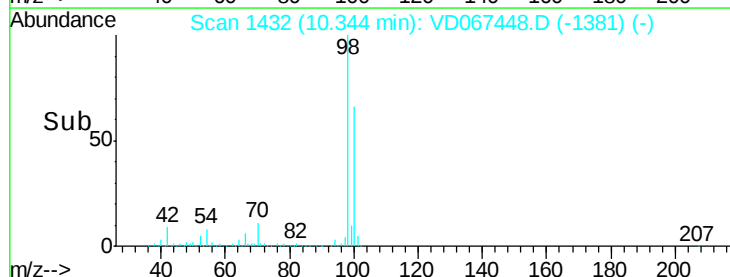
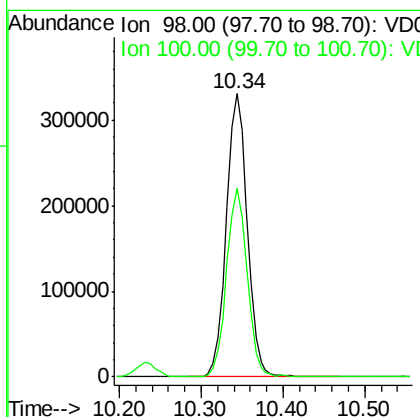
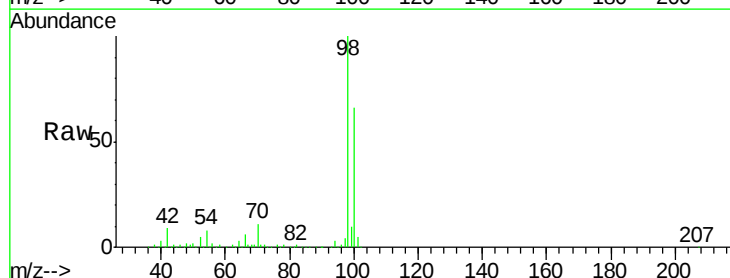
Manual Integrations
APPROVED

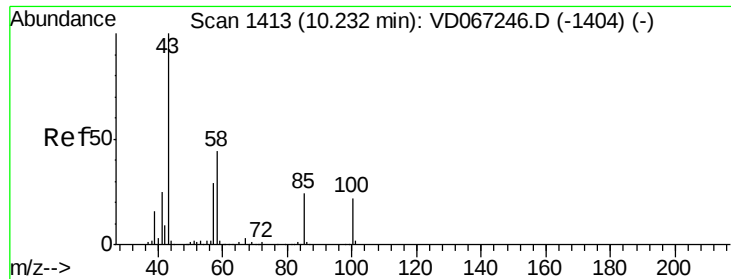
MMDadoda
10/30/2020 1:34:55 PM



#50
Toluene-d8
Concen: 52.621 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.1	79.7





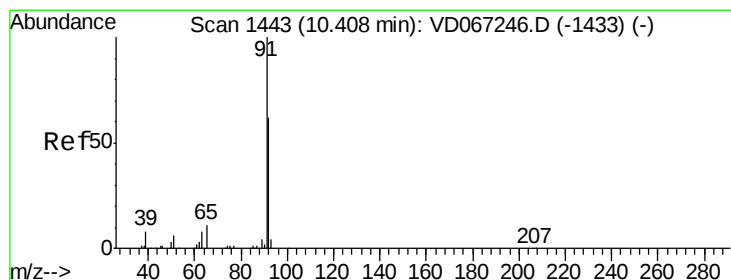
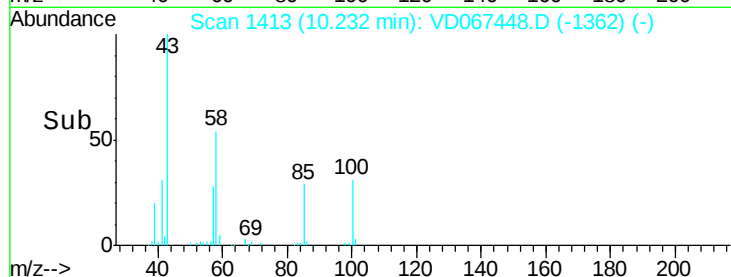
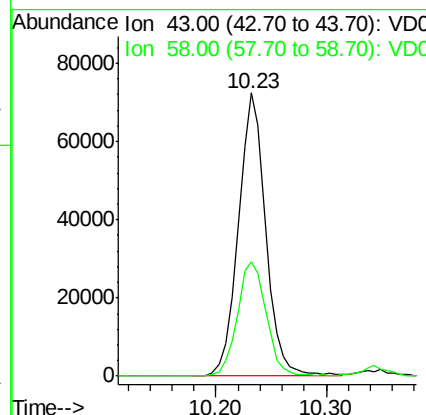
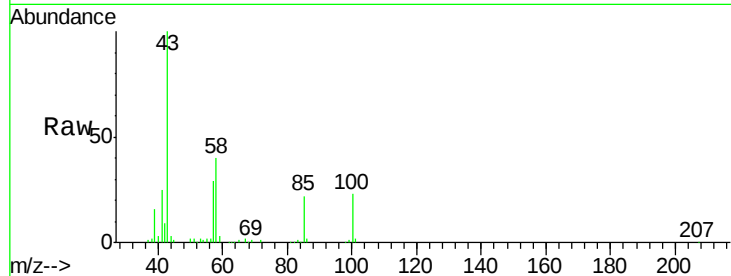
#51
4-Methyl-2-Pentanone
Concen: 109.623 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.6	35.7	53.5

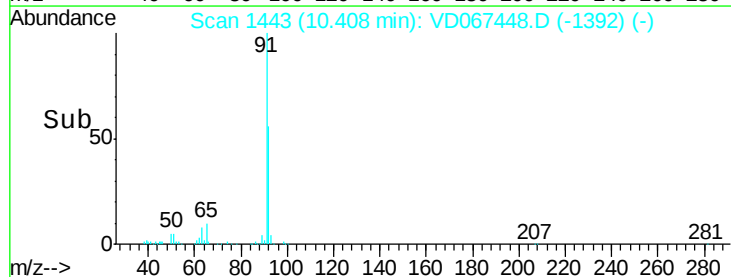
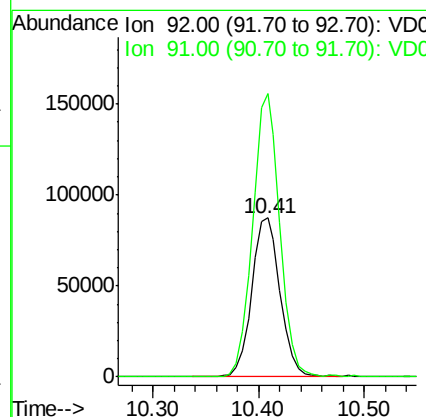
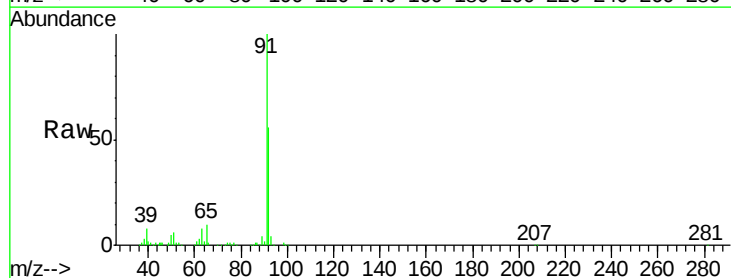
Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#52
Toluene
Concen: 22.179 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.1	133.8	200.8





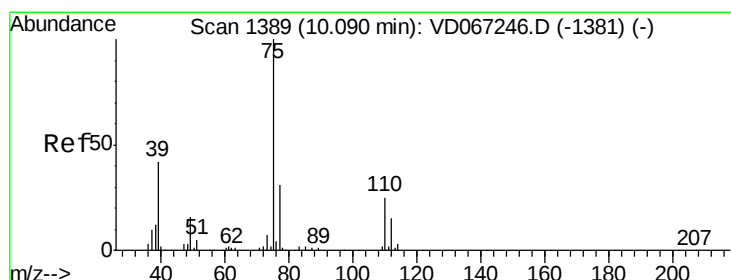
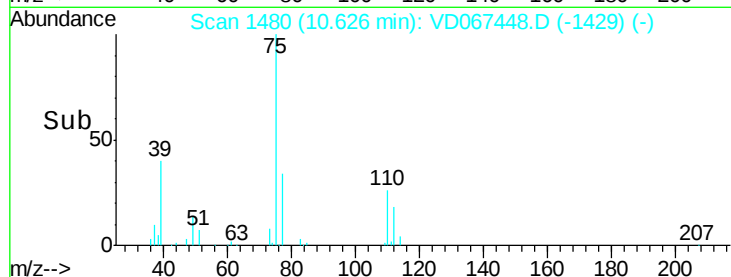
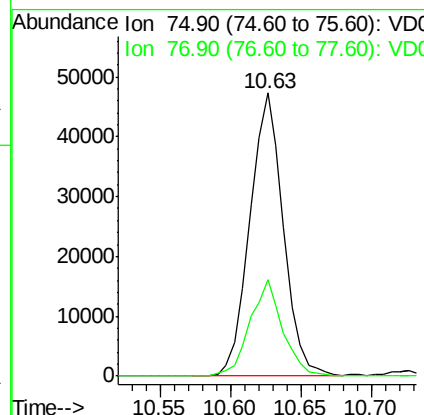
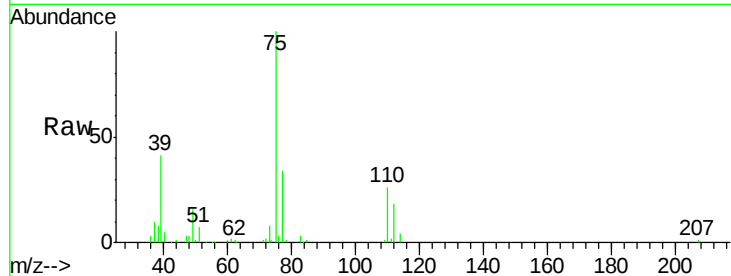
#53
 t-1,3-Dichloropropene
 Concen: 21.369 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 75 Resp: 78692
 Ion Ratio Lower Upper
 75 100
 77 34.1 26.5 39.7

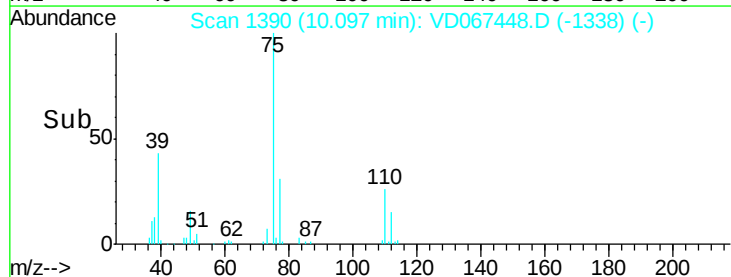
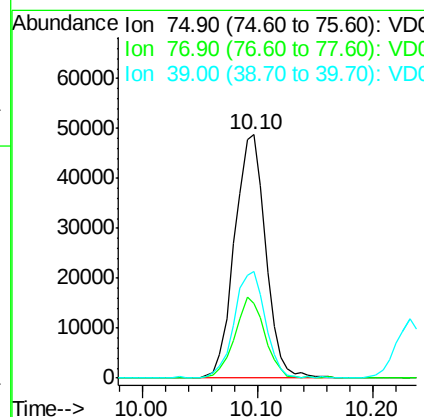
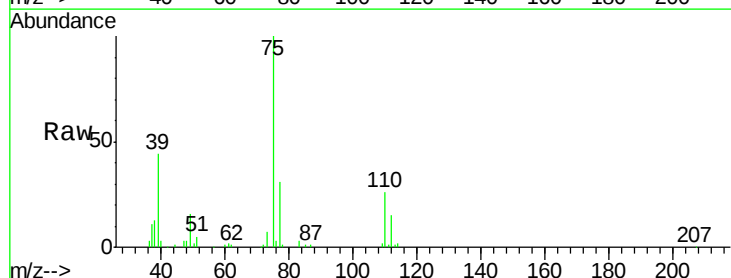
Manual Integrations
 APPROVED

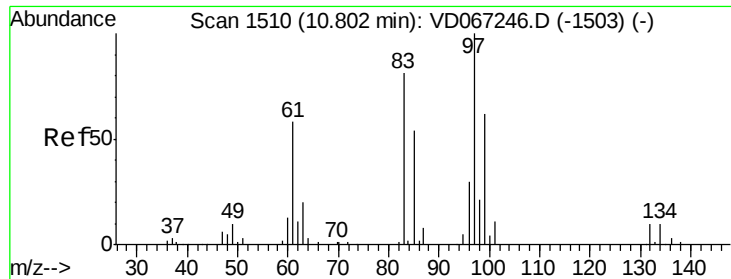
MMDadoda
 10/30/2020 1:34:55 PM



#54
 cis-1,3-Dichloropropene
 Concen: 21.215 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 75 Resp: 91433
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.5 36.7
 39 43.7 33.7 50.5





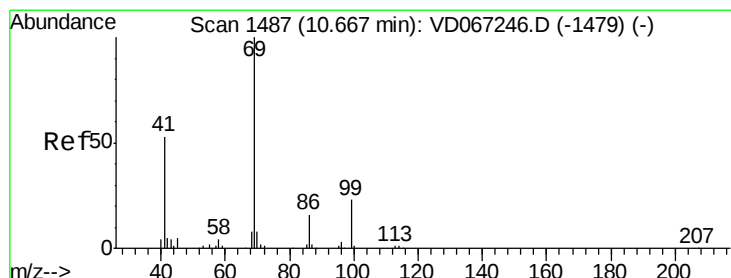
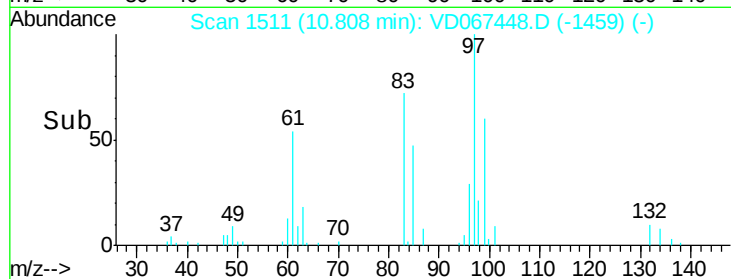
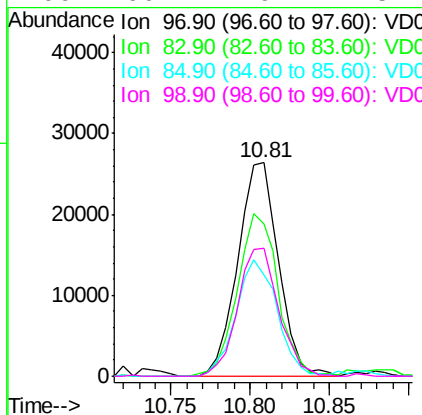
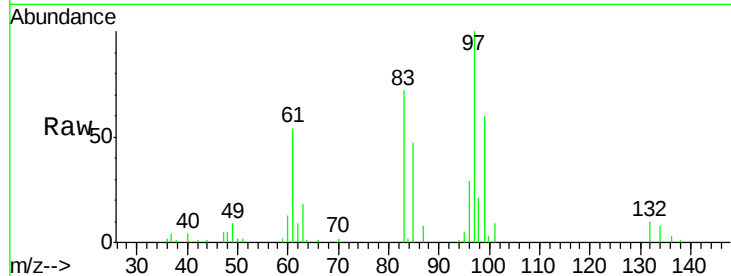
#55
 1,1,2-Trichloroethane
 Concen: 22.043 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	97	Resp	47031
Ion Ratio	Lower	Upper	
97	100		
83	71.5	64.9	97.3
85	47.4	43.3	64.9
99	60.1	49.1	73.7

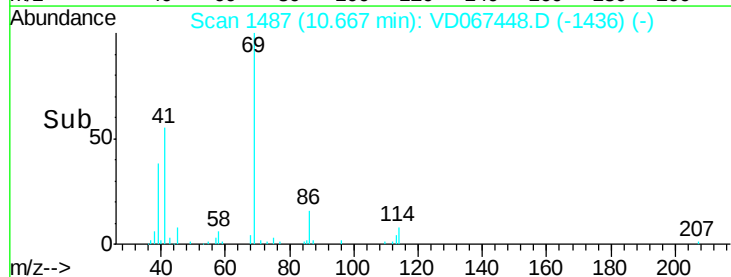
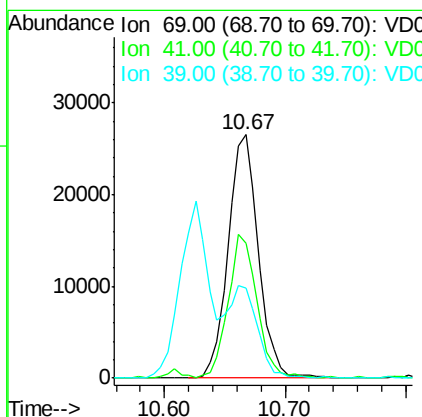
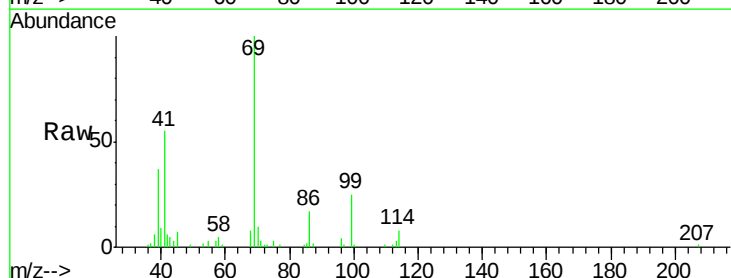
Manual Integrations
 APPROVED

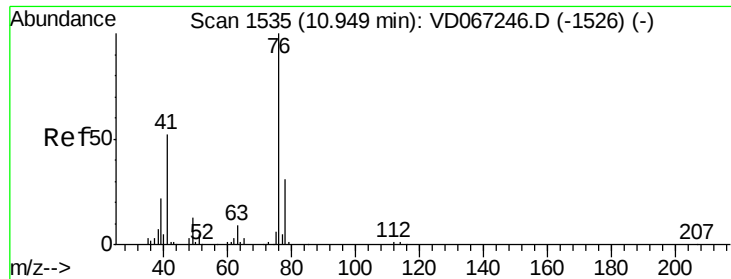
MMDadoda
 10/30/2020 1:34:55 PM



#56
 Ethyl methacrylate
 Concen: 20.890 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	69	Resp	46225
Ion Ratio	Lower	Upper	
69	100		
41	56.4	44.7	67.1
39	33.7	26.2	39.2





#57

1,3-Dichloropropane

Concen: 22.206 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 76 Resp: 75402

Ion Ratio Lower Upper

76 100

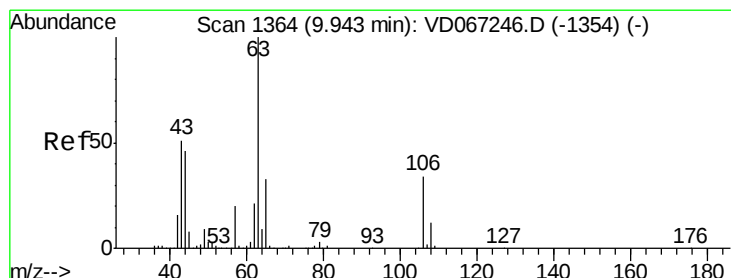
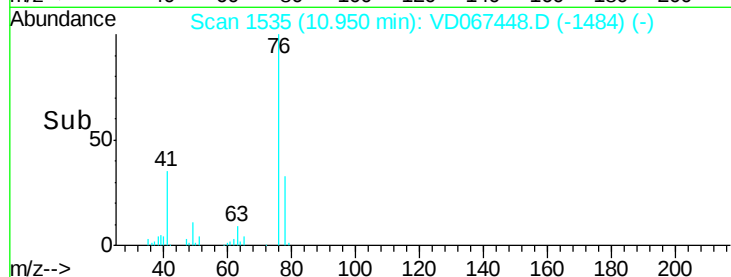
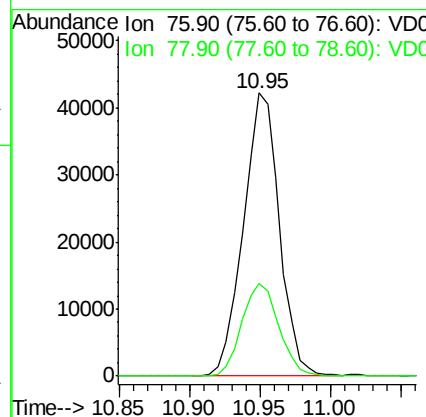
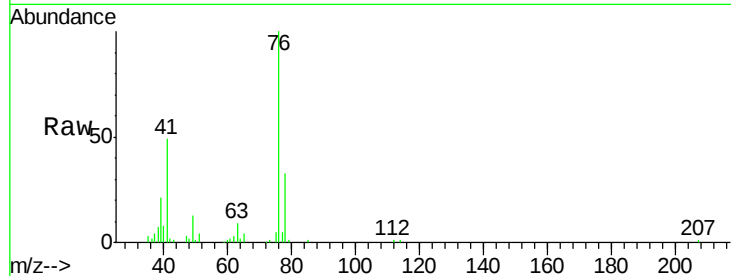
78 33.6 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



#58

2-Chloroethyl Vinyl ether

Concen: 109.165 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067448.D

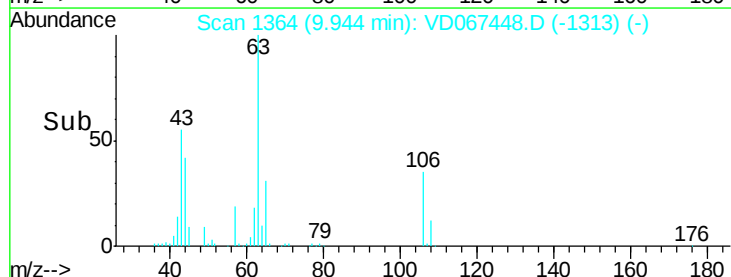
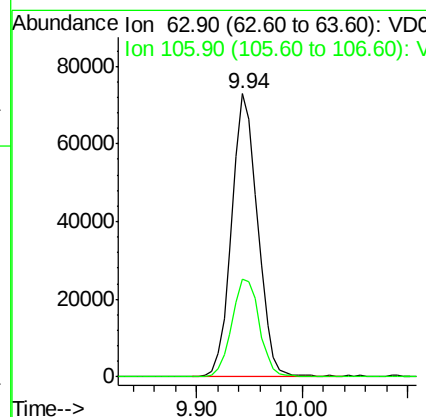
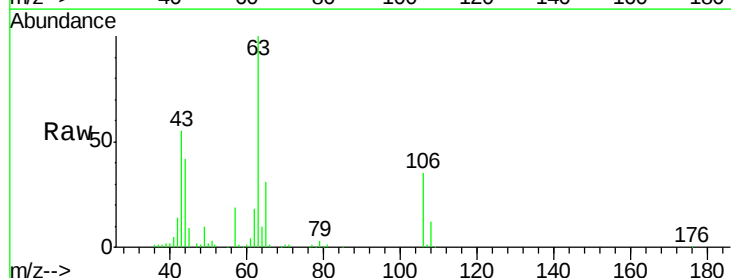
Acq: 29 Oct 2020 13:29

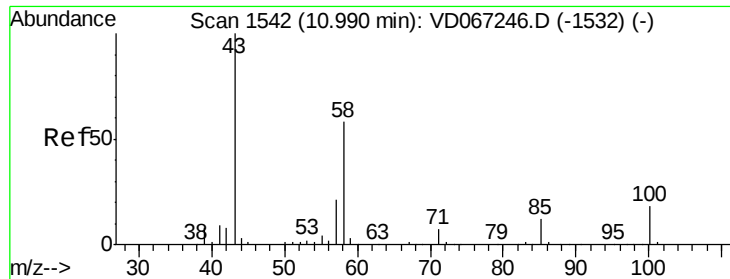
Tgt Ion: 63 Resp: 123921

Ion Ratio Lower Upper

63 100

106 36.4 27.8 41.6





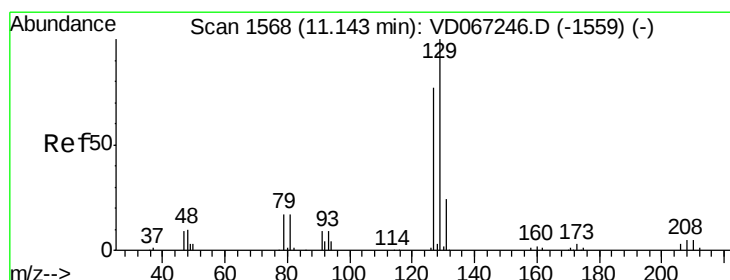
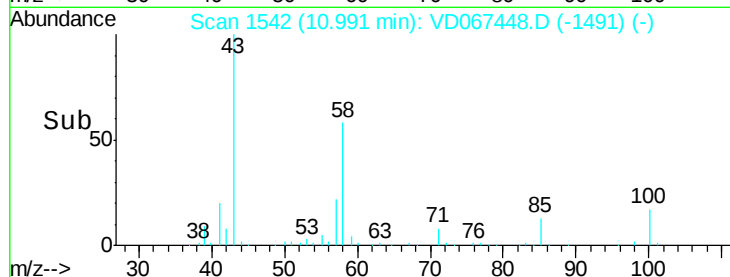
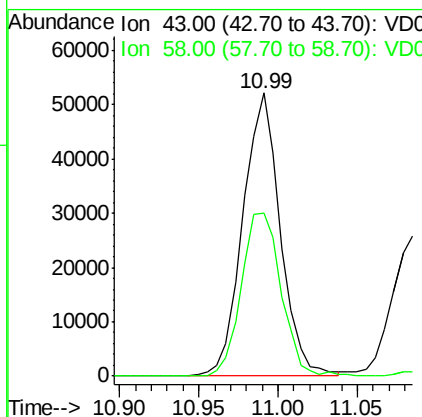
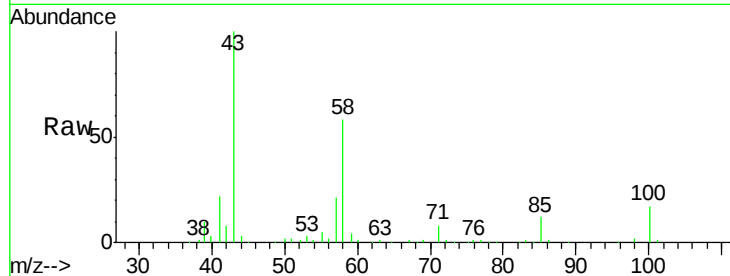
#59
2-Hexanone
Concen: 108.813 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion: 43 Resp: 85518
Ion Ratio Lower Upper
43 100
58 61.3 29.3 87.9

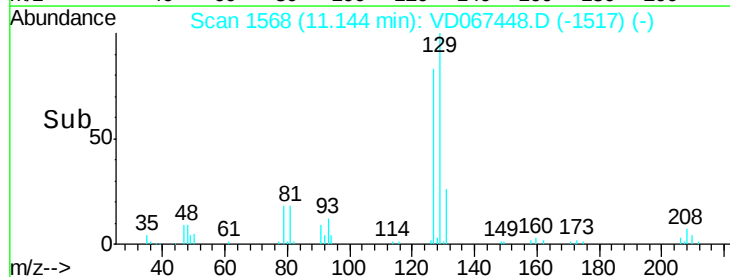
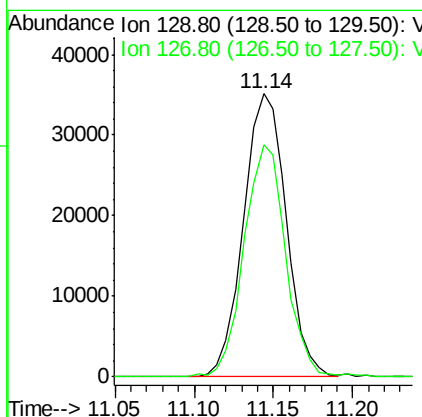
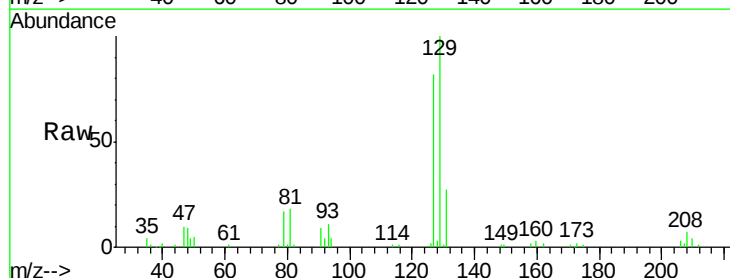
Manual Integrations
APPROVED

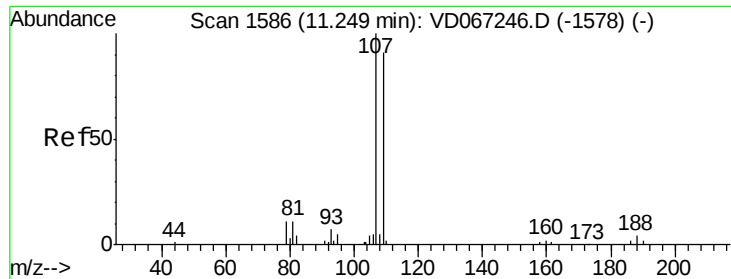
MMDadoda
10/30/2020 1:34:55 PM



#60
Dibromochloromethane
Concen: 21.152 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion: 129 Resp: 65817
Ion Ratio Lower Upper
129 100
127 79.9 38.3 114.8





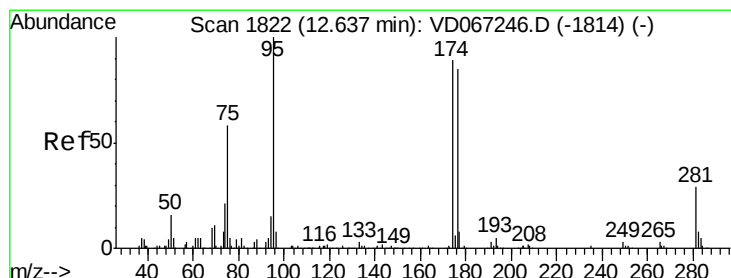
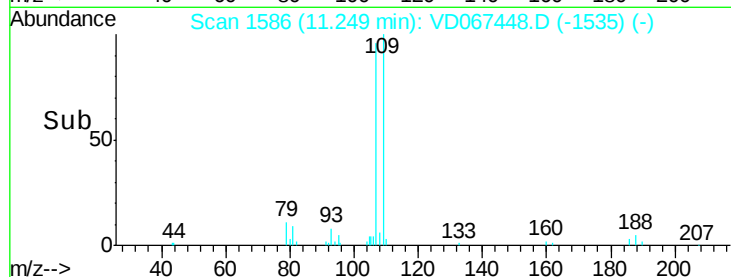
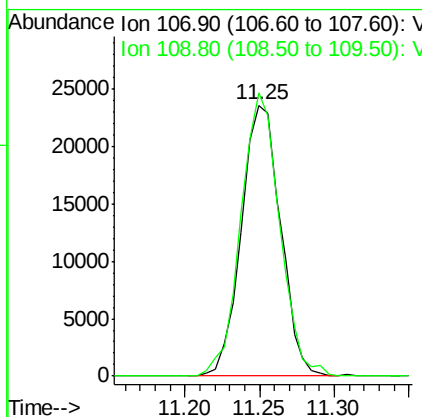
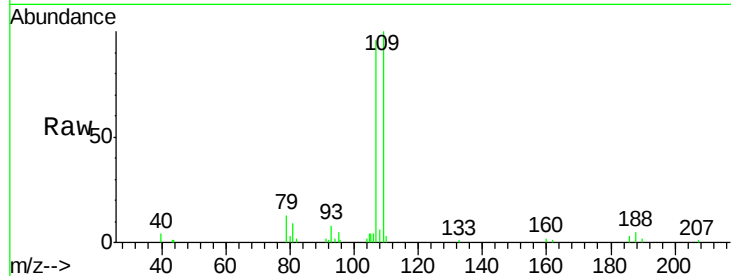
#61
 1,2-Dibromoethane
 Concen: 20.313 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion: 107 Resp: 42727
 Ion Ratio Lower Upper
 107 100
 109 104.0 74.6 112.0

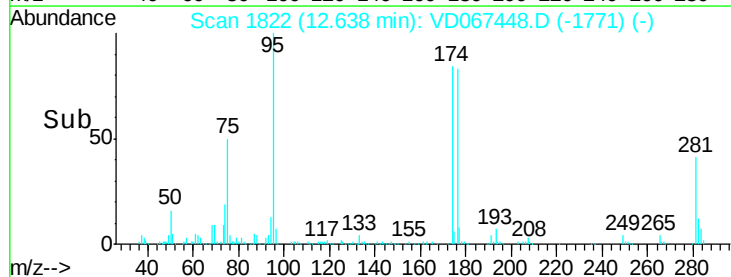
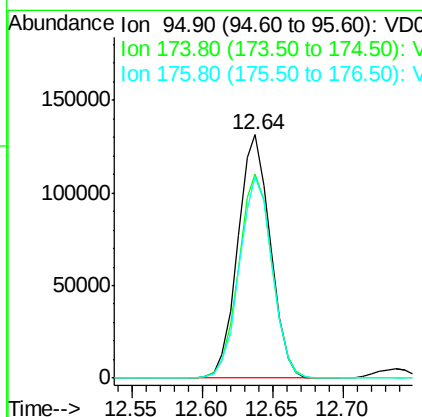
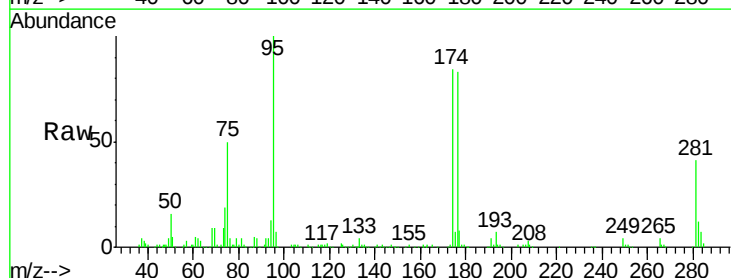
Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:55 PM



#62
 4-Bromofluorobenzene
 Concen: 54.133 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion: 95 Resp: 211264
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 175.2
 176 83.9 0.0 168.6





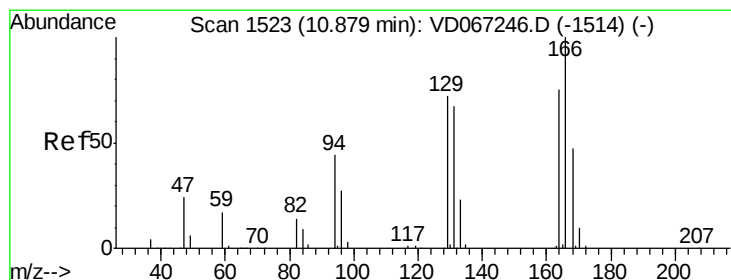
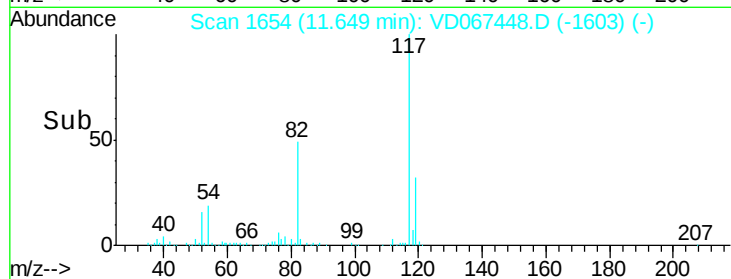
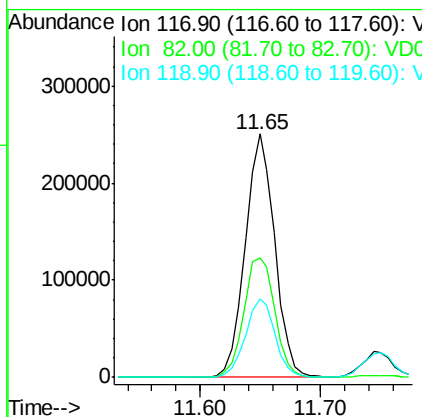
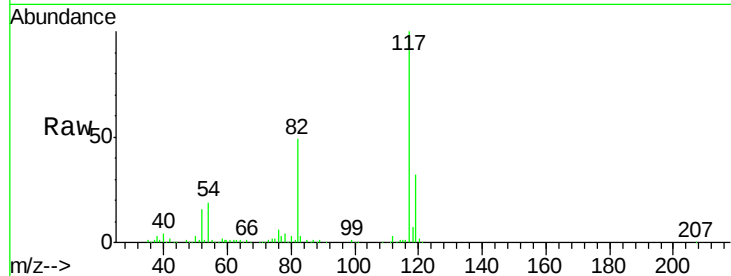
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	39.9	59.9
119	32.1	24.9	37.3

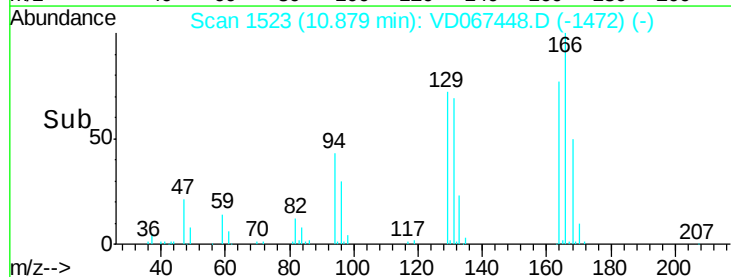
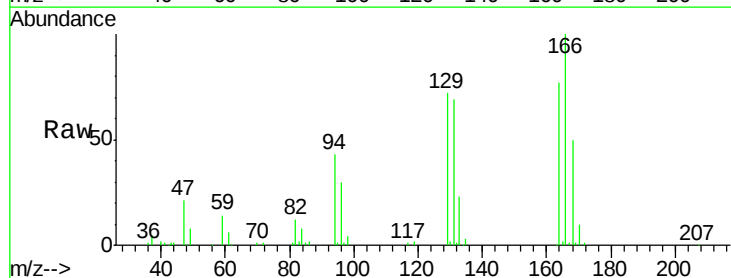
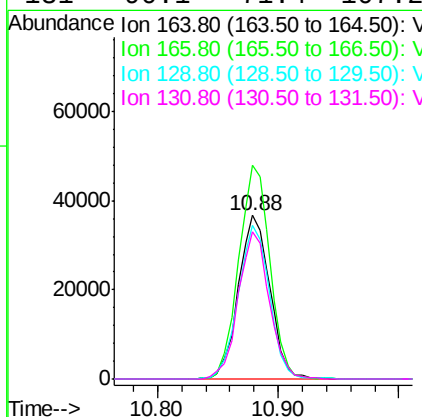
Manual Integrations
APPROVED

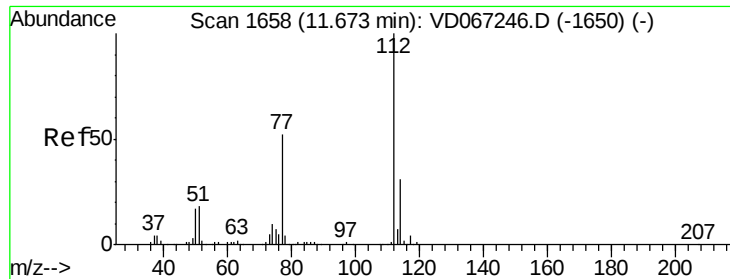
MMDadoda
10/30/2020 1:34:55 PM



#64
Tetrachloroethene
Concen: 21.608 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	107.3	160.9
129	93.6	77.3	115.9
131	90.1	71.4	107.2





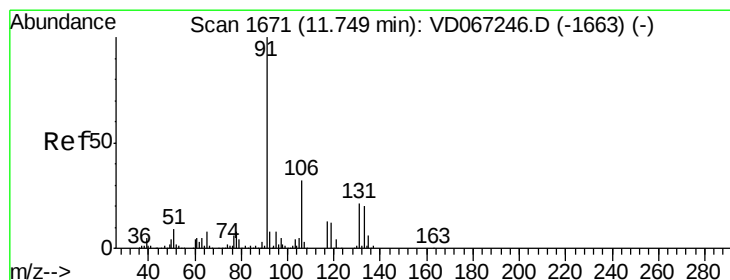
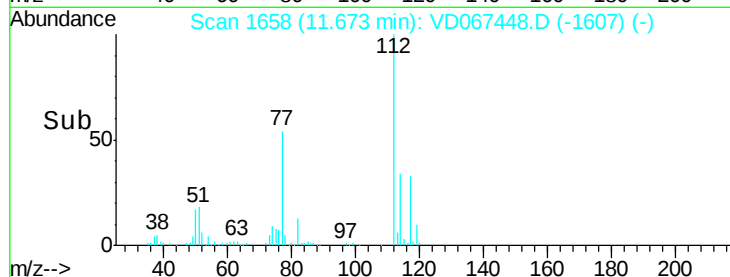
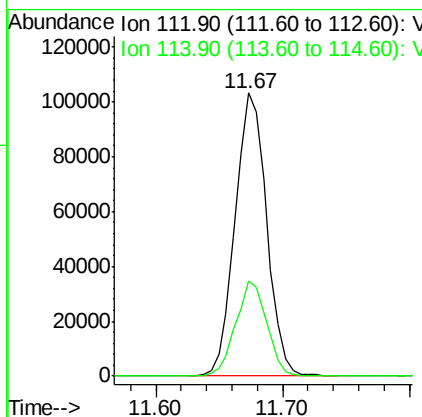
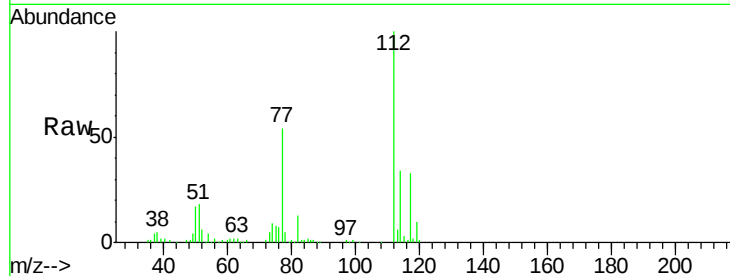
#65
Chlorobenzene
Concen: 21.671 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion:112 Resp: 177657
Ion Ratio Lower Upper
112 100
114 33.9 25.0 37.4

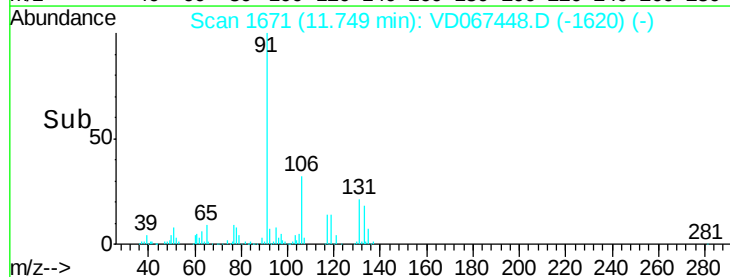
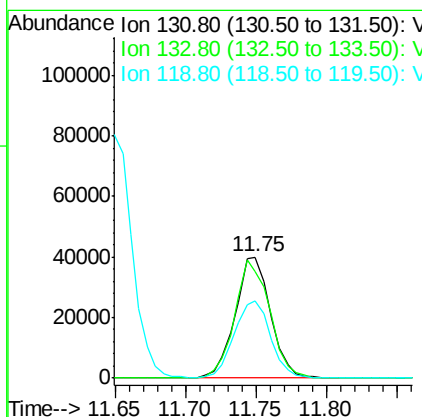
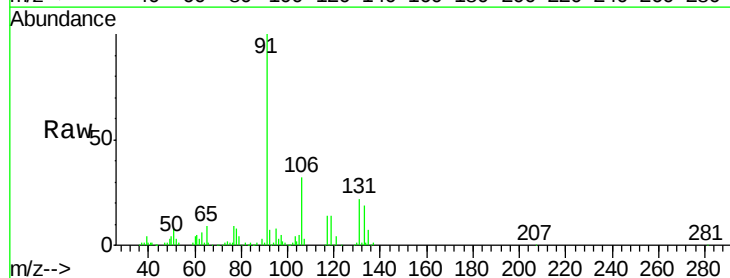
Manual Integrations
APPROVED

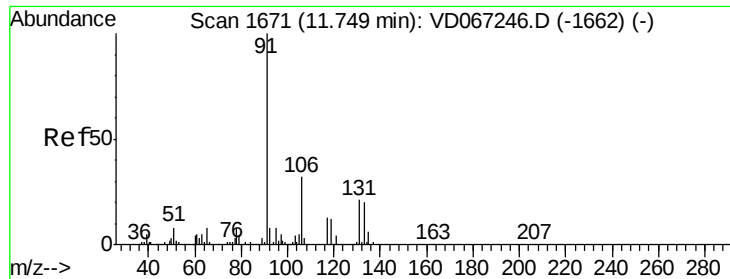
MMDadoda
10/30/2020 1:34:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.443 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion:131 Resp: 69864
Ion Ratio Lower Upper
131 100
133 96.8 48.1 144.3
119 65.6 30.0 90.0





#67

Ethyl Benzene

Concen: 21.721 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 305239

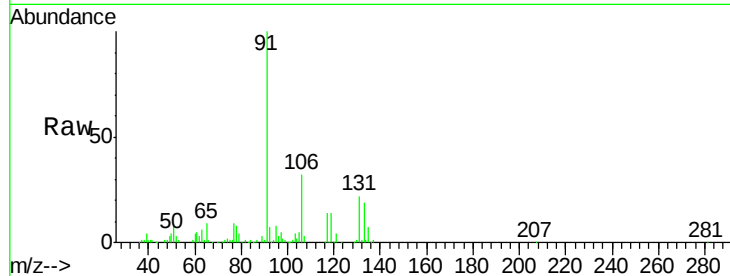
Ion Ratio Lower Upper

91 100

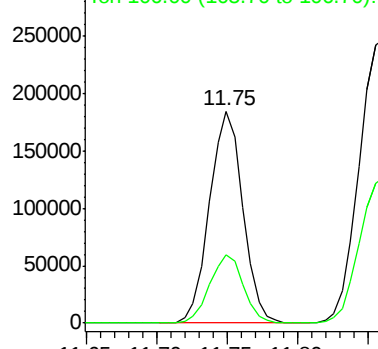
106 32.0 25.4 38.0

Manual Integrations
APPROVED

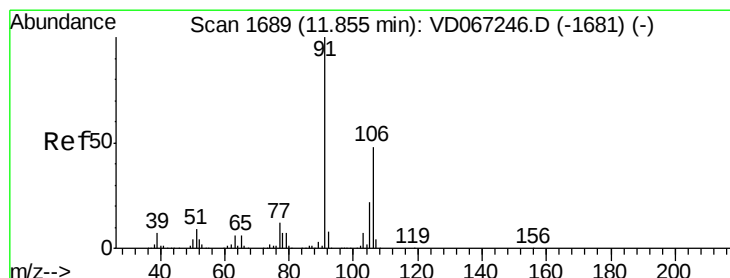
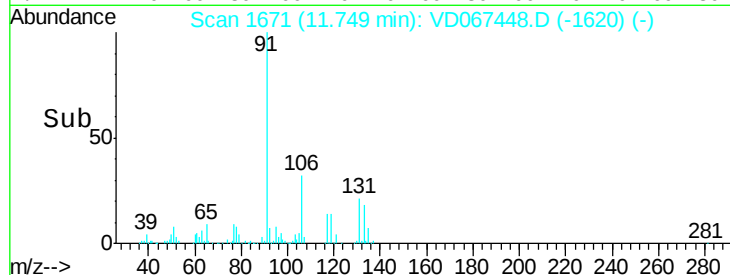
MMDadoda
10/30/2020 1:34:55 PM



Abundance Ion 91.00 (90.70 to 91.70): V



Time--> 11.65 11.70 11.75 11.80



#68

m/p-Xylenes

Concen: 44.806 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067448.D

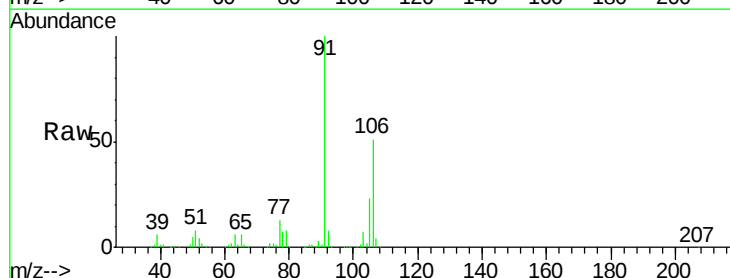
Acq: 29 Oct 2020 13:29

Tgt Ion: 106 Resp: 242463

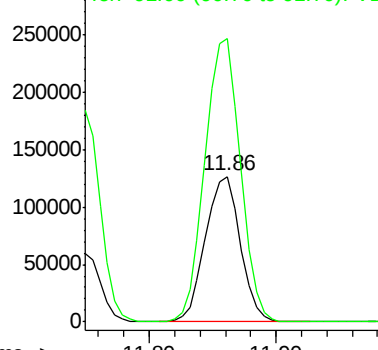
Ion Ratio Lower Upper

106 100

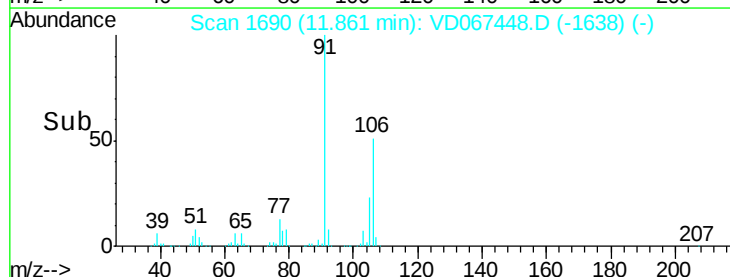
91 197.9 163.8 245.8

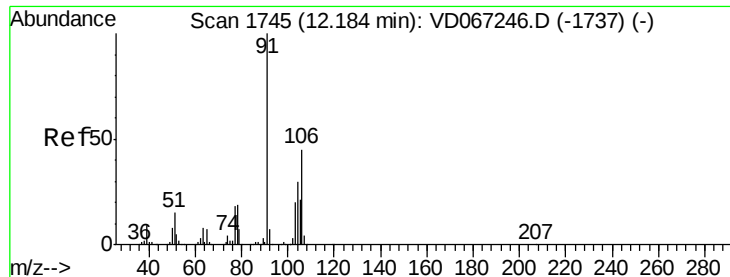


Abundance Ion 106.00 (105.70 to 106.70): V



Time--> 11.80 11.85 11.90





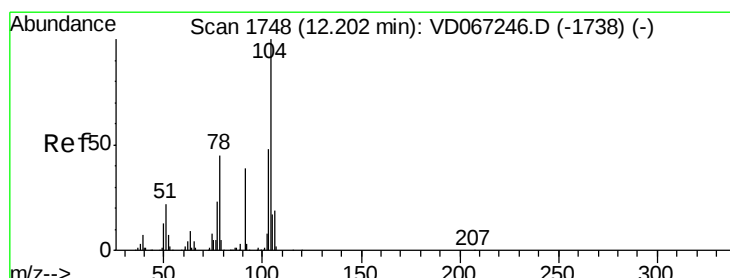
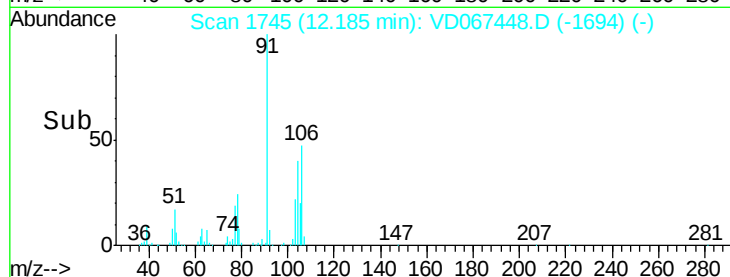
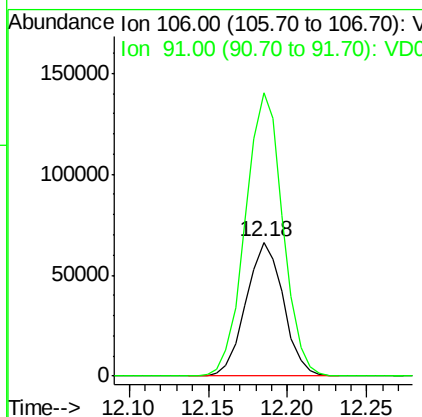
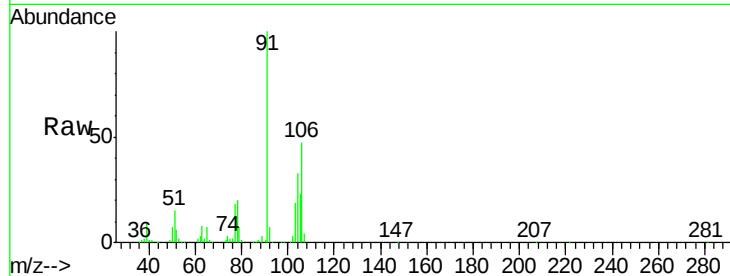
#69
o-Xylene
Concen: 21.683 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	212.2	109.1	327.3

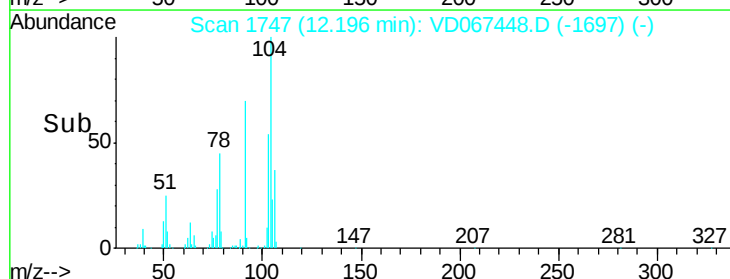
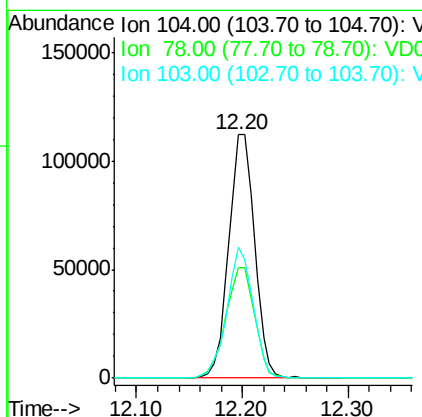
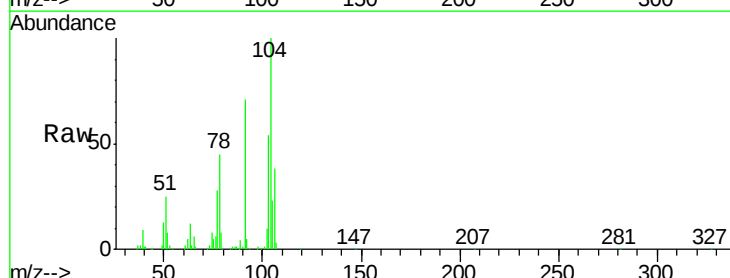
Manual Integrations
APPROVED

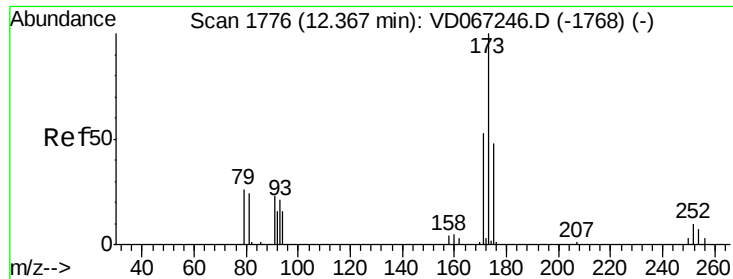
MMDadoda
10/30/2020 1:34:55 PM



#70
Styrene
Concen: 21.986 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.7	39.8	59.6
103	103	54.3	42.6	64.0





#71

Bromoform

Concen: 22.835 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

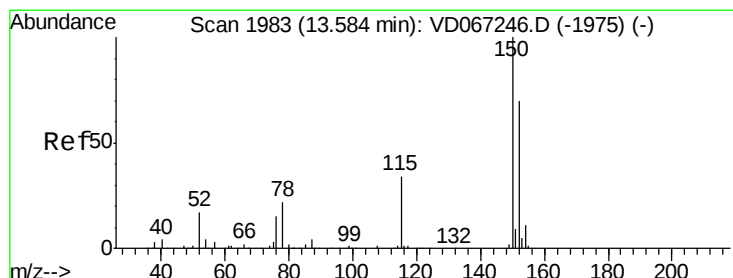
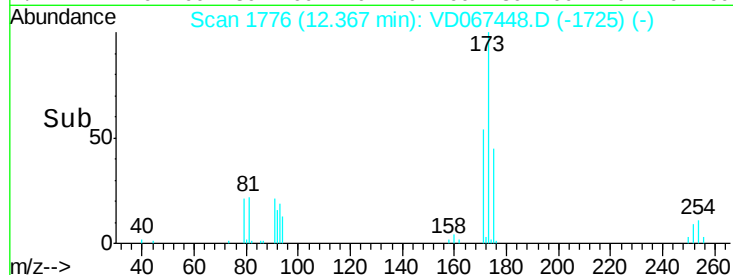
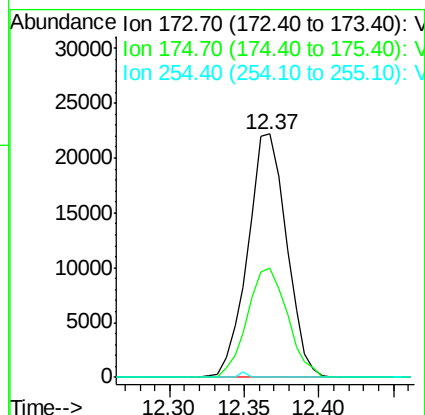
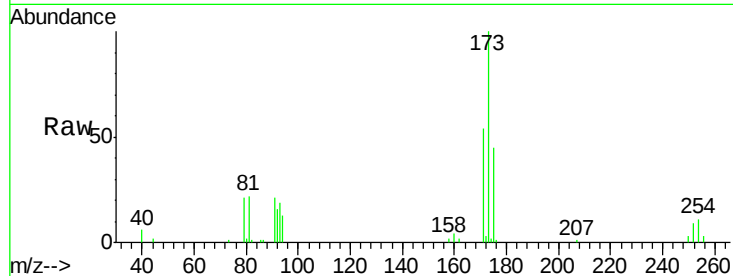
ClientSampleId :

VD1029SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.2	72.6
254	0.5	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

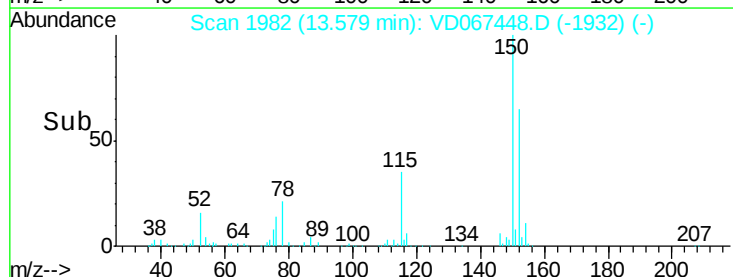
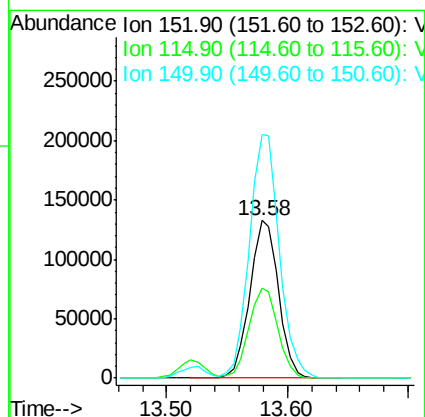
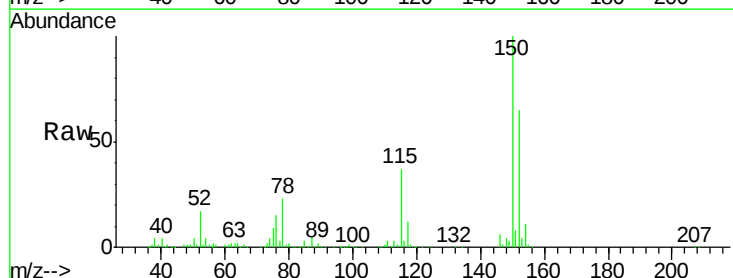
RT: 13.58 min Scan# 1982

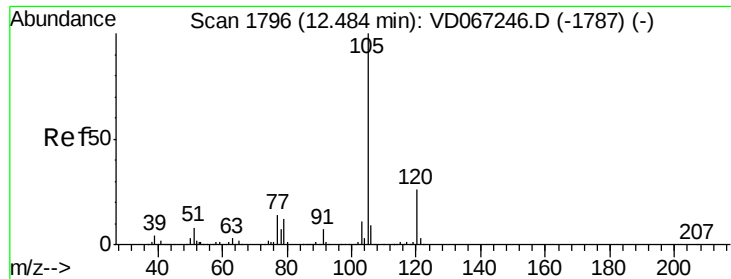
Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.3	87.9
150	162.2	0.0	339.0





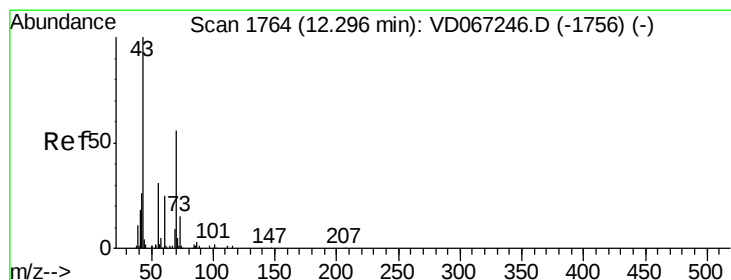
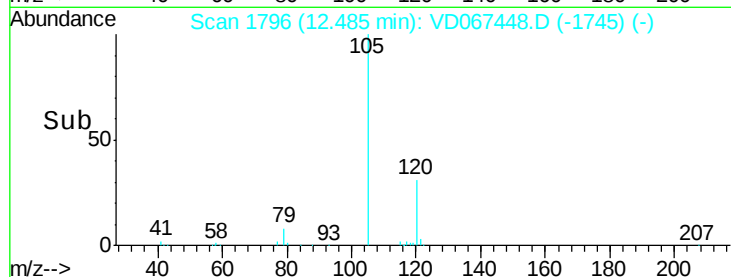
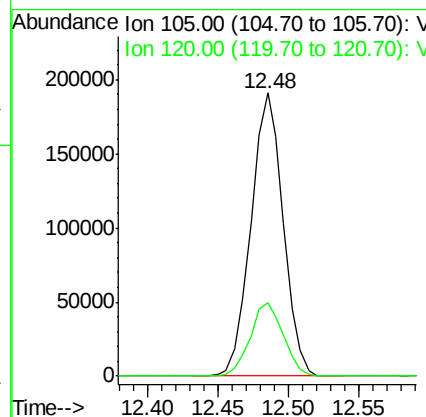
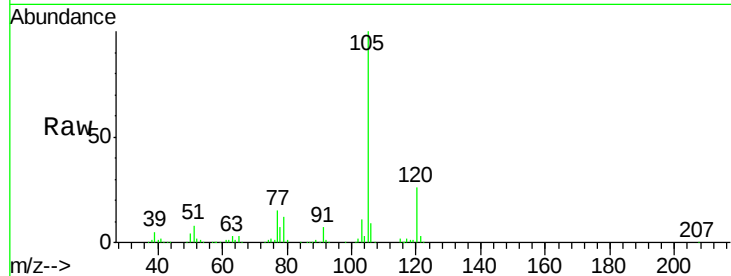
#73
Isopropylbenzene
Concen: 21.958 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

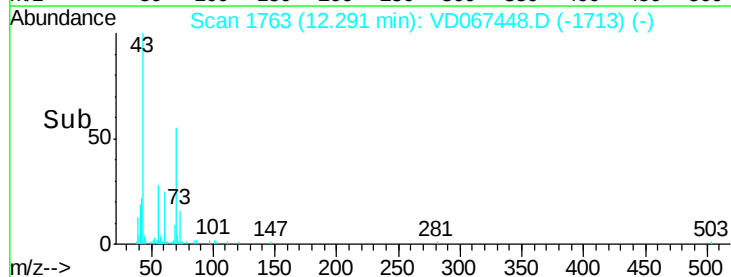
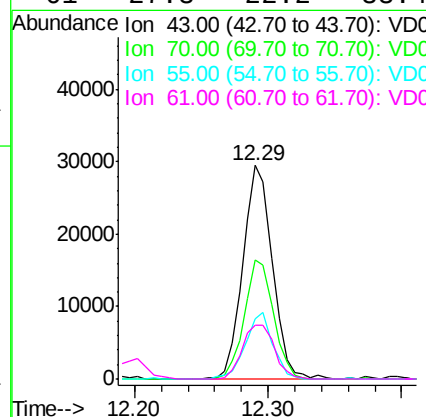
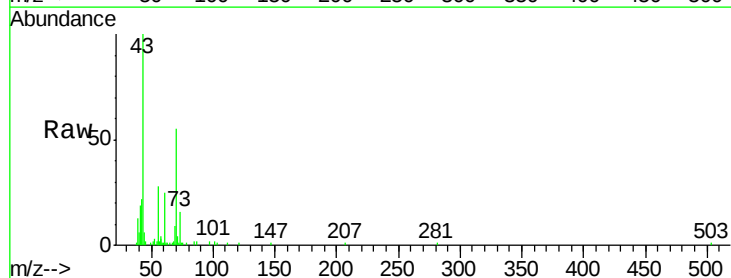
Manual Integrations
APPROVED

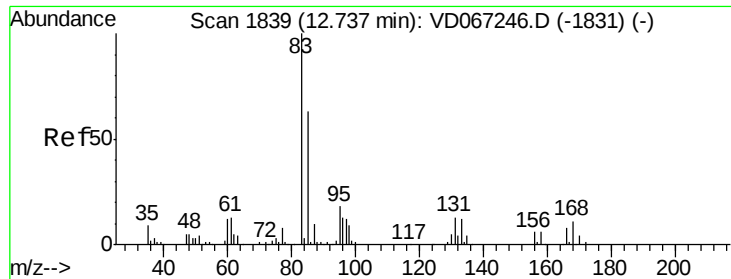
MMDadoda
10/30/2020 1:34:55 PM



#74
N-ethyl acetate
Concen: 21.387 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	55.0	42.7	64.1
55	28.8	24.0	36.0
61	27.3	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.264 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

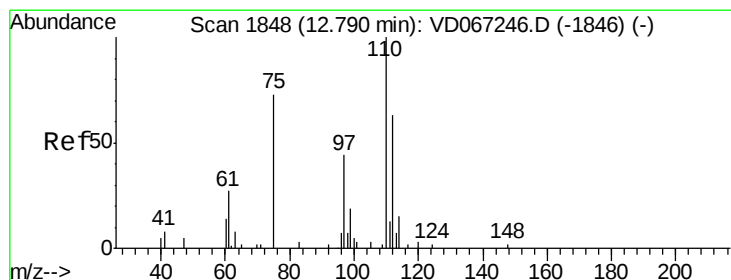
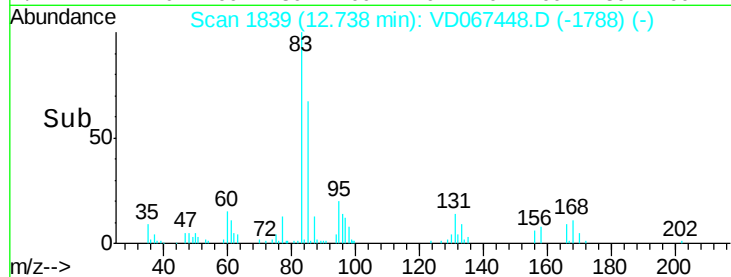
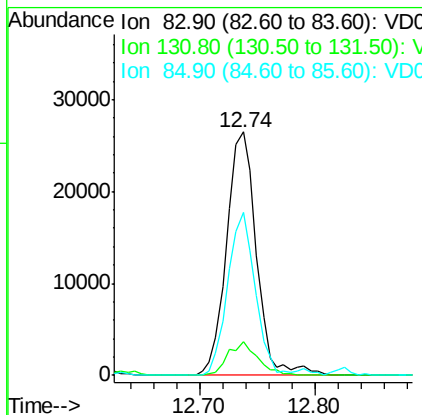
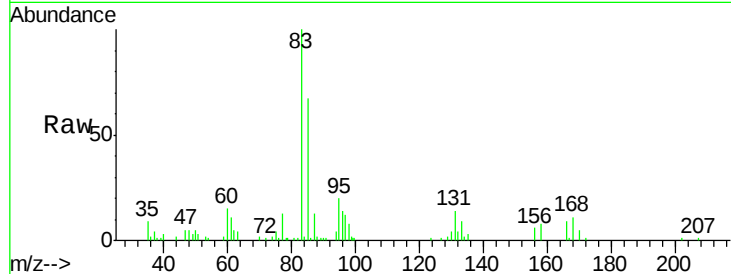
ClientSampleId :

VD1029SBS01

Tot Ion:	83	Resp:	47472
Ion	Ratio	Lower	Upper
83	100		
131	13.7	6.5	19.5
85	61.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#76

1,2,3-Trichloropropane

Concen: 22.964 ug/l m

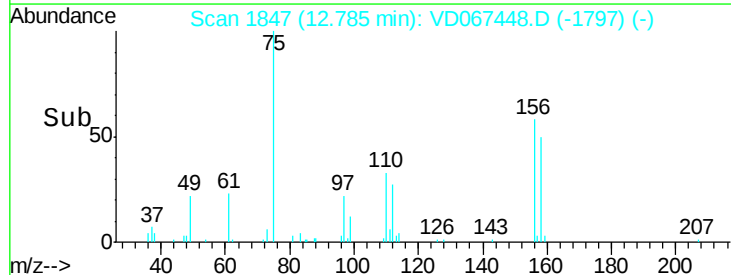
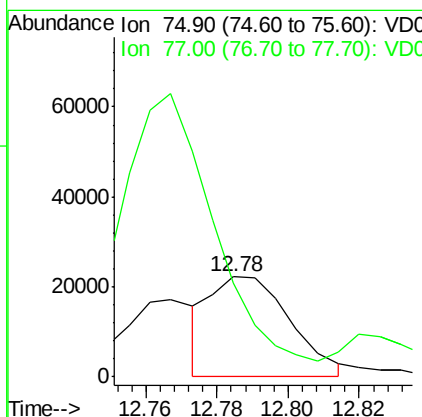
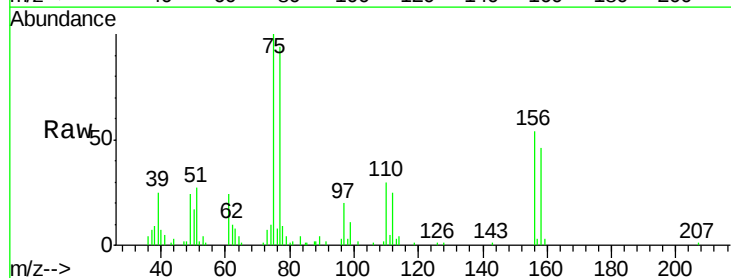
RT: 12.78 min Scan# 1847

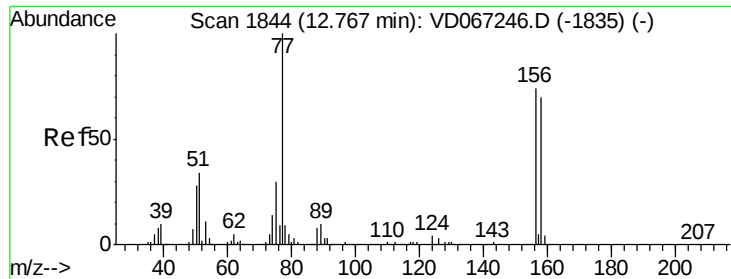
Delta R.T. -0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion:	75	Resp:	34899
Ion	Ratio	Lower	Upper
75	100		
77	342.4	0.0	0.0#





#77

Bromobenzene

Concen: 22.266 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

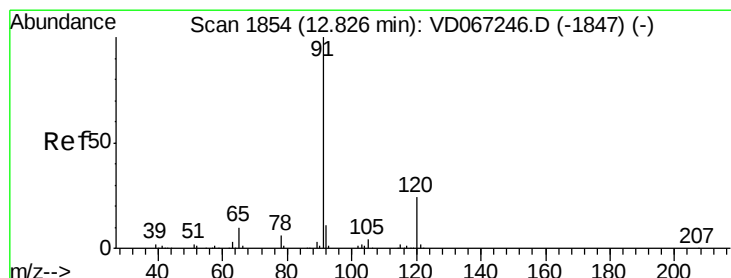
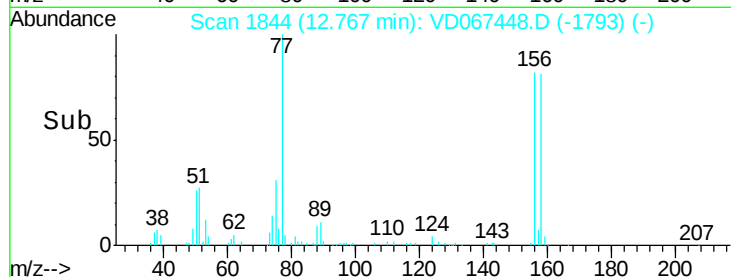
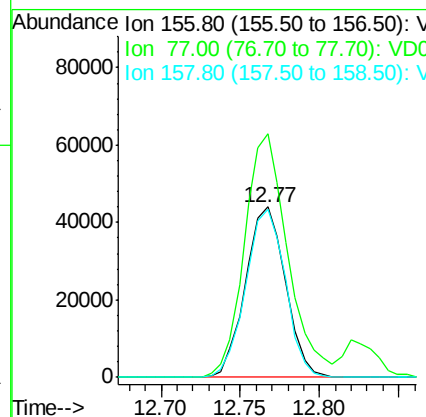
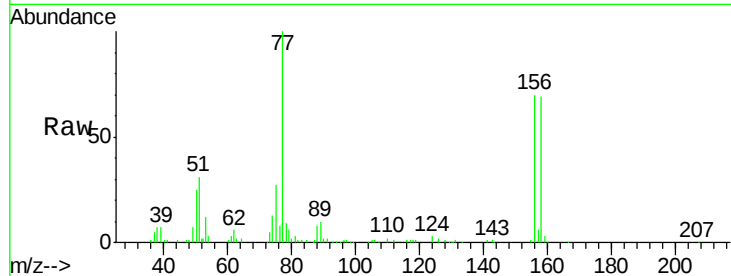
ClientSampleId :

VD1029SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	154.7	78.0	233.8	
158	97.9	49.1	147.3	

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#78

n-propylbenzene

Concen: 22.070 ug/l

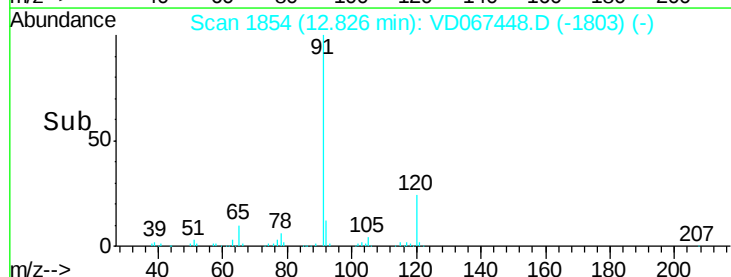
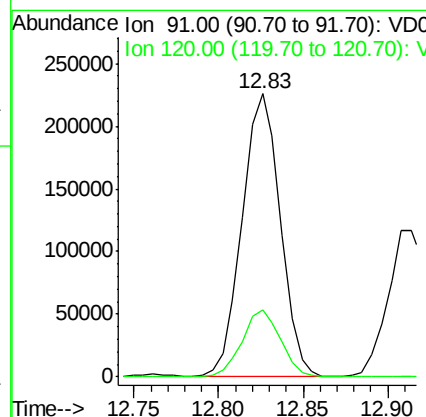
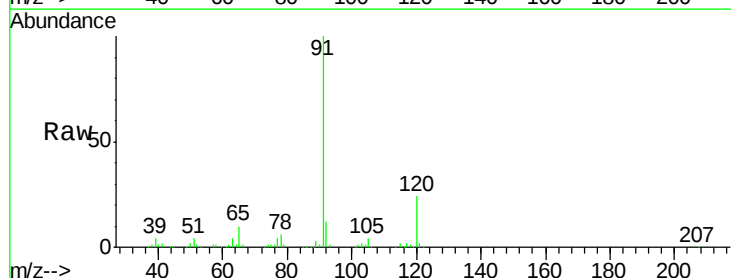
RT: 12.83 min Scan# 1854

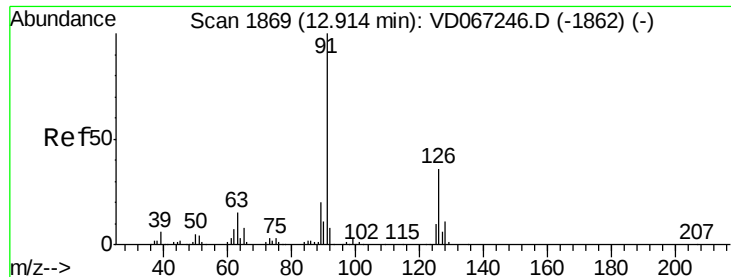
Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.7	11.9	35.9	





#79

2-Chlorotoluene

Concen: 21.718 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 91 Resp: 203070

Ion Ratio Lower Upper

91 100

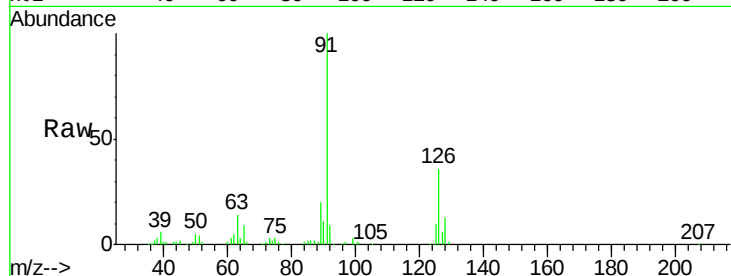
126 35.9 17.6 52.8

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



Abundance Ion 91.00 (90.70 to 91.70): VD067448.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067448.D (-1862) (-)

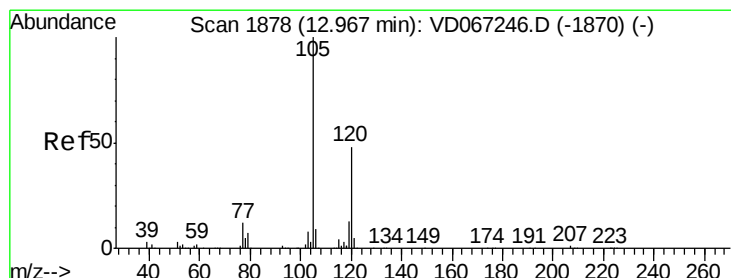
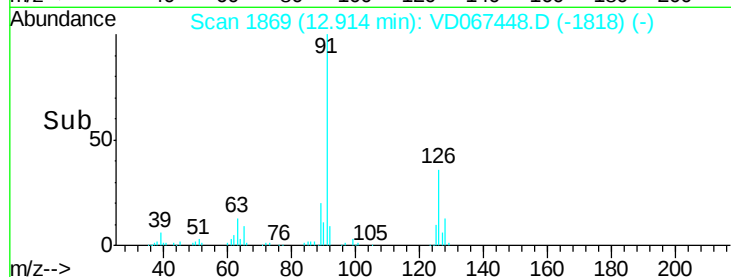
12.91

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.889 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067448.D

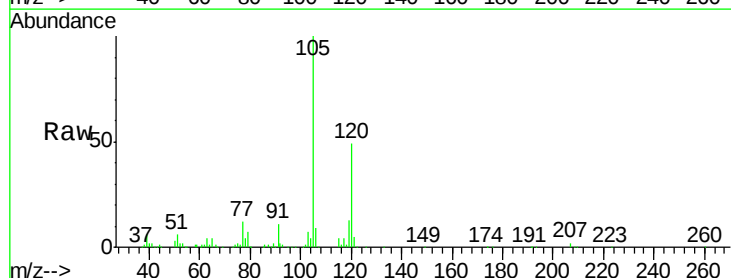
Acq: 29 Oct 2020 13:29

Tgt Ion: 105 Resp: 264701

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067448.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067448.D (-1870) (-)

12.97

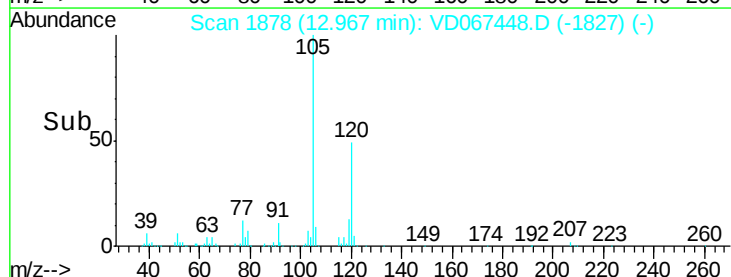
150000

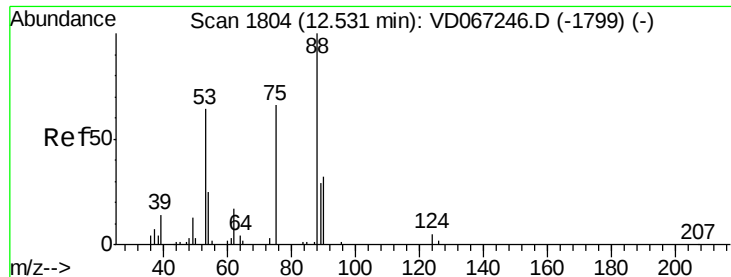
100000

50000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.275 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067448.D

Acq: 29 Oct 2020 13:29

Instrument :

MSVOA_D

ClientSampleId :

VD1029SBS01

Tot Ion: 75 Resp: 14258

Ion Ratio Lower Upper

75 100

53 94.2 78.5 117.7

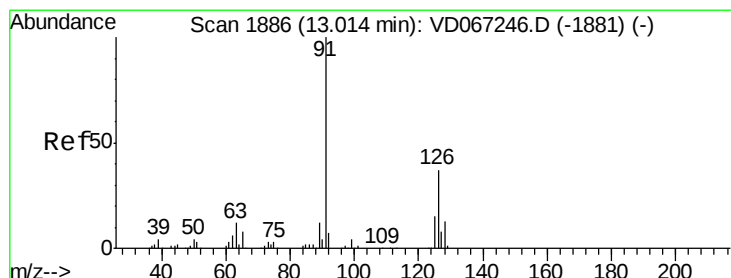
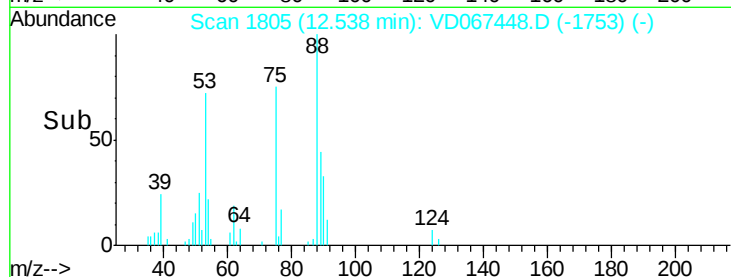
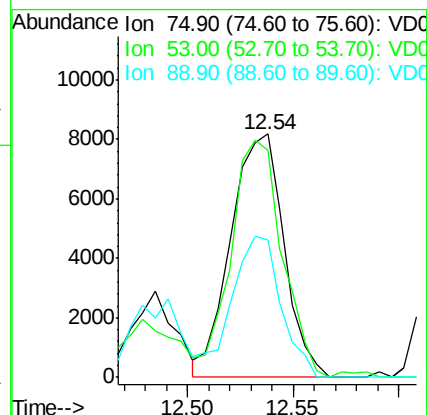
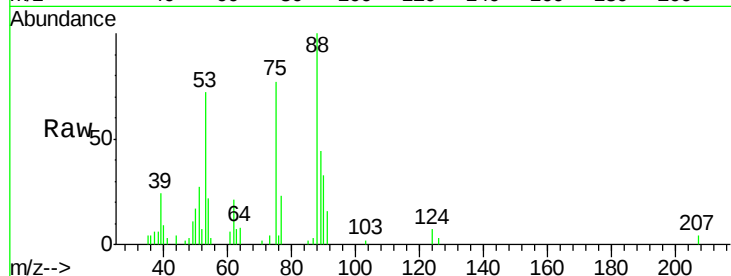
89 54.2 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

10/30/2020 1:34:55 PM



#82

4-Chlorotoluene

Concen: 22.247 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067448.D

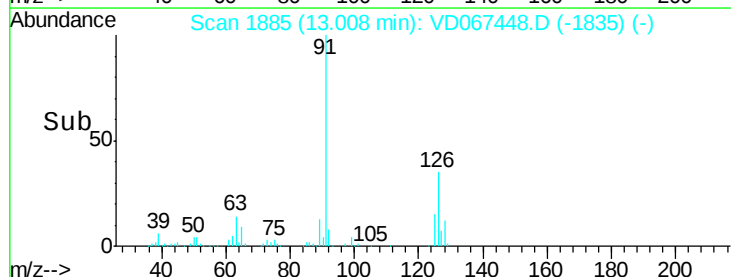
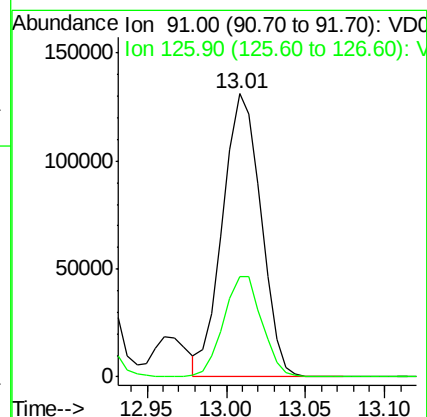
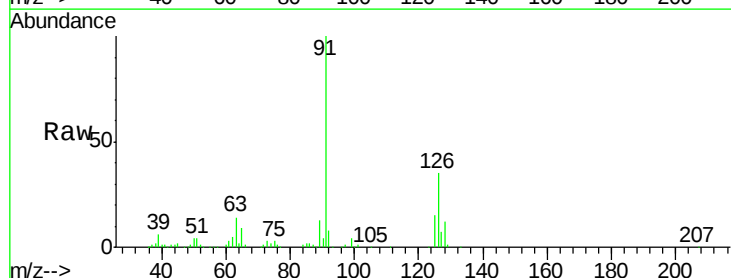
Acq: 29 Oct 2020 13:29

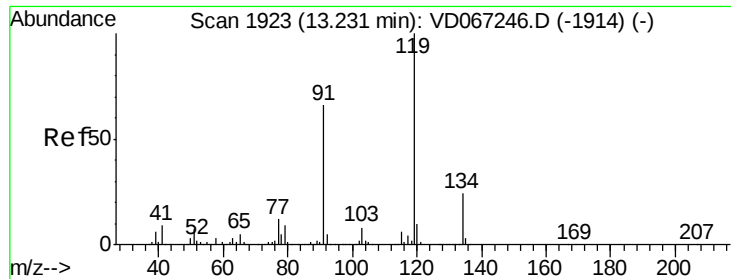
Tgt Ion: 91 Resp: 220778

Ion Ratio Lower Upper

91 100

126 35.5 17.8 53.5





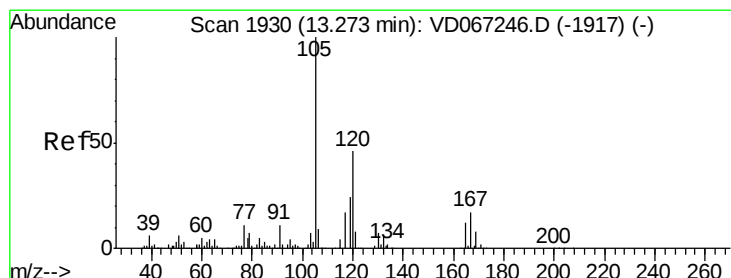
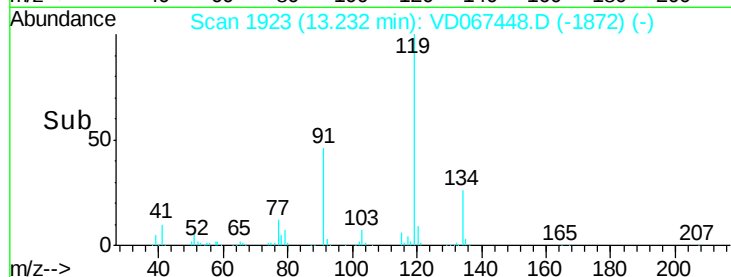
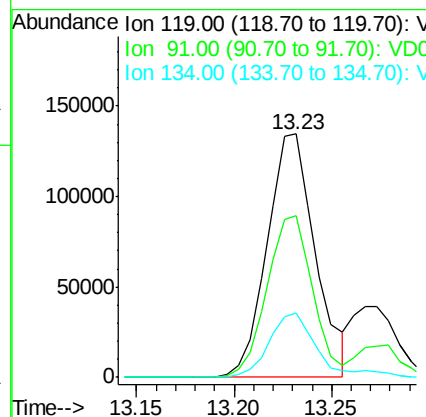
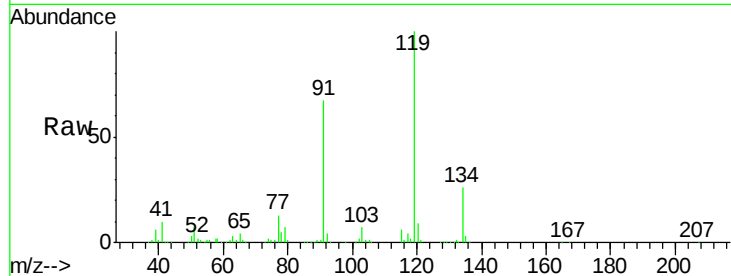
#83
tert-Butylbenzene
Concen: 22.529 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	230133		
91	62.9		33.1	99.2
134	26.6		13.3	39.9

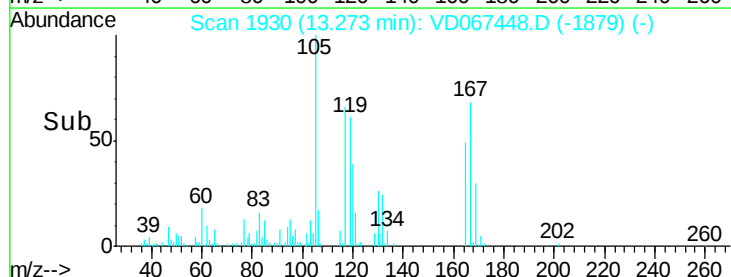
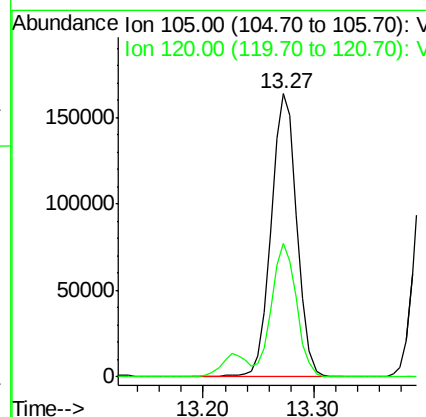
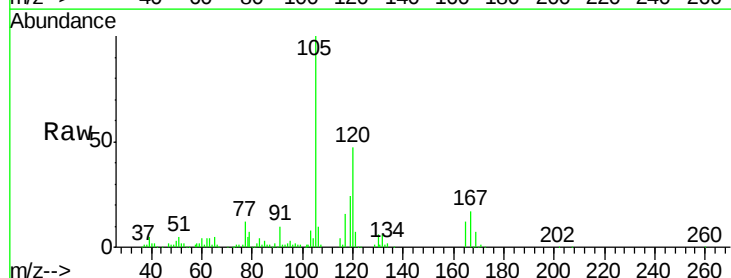
Manual Integrations
APPROVED

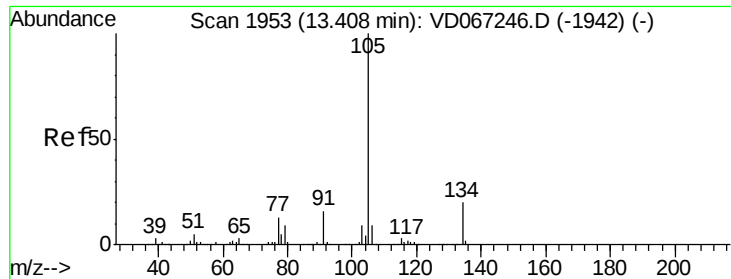
MMDadoda
10/30/2020 1:34:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.226 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265659		
120	46.1		22.4	67.3





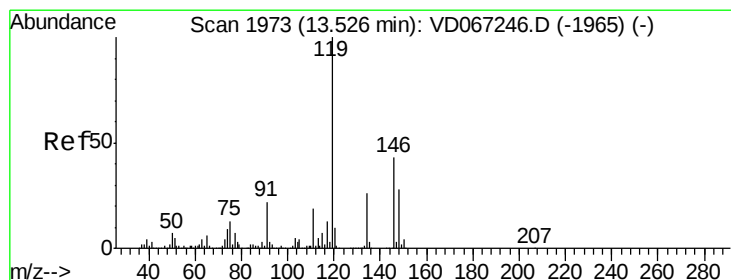
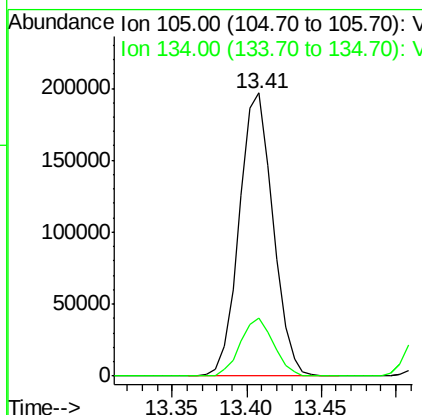
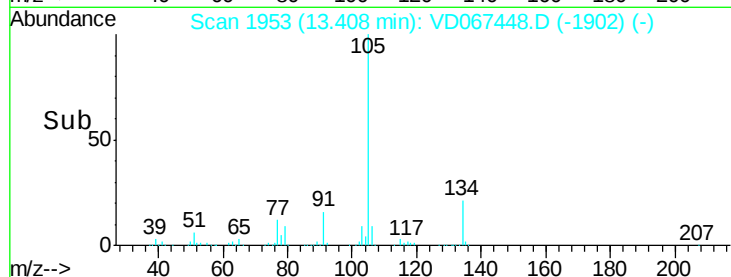
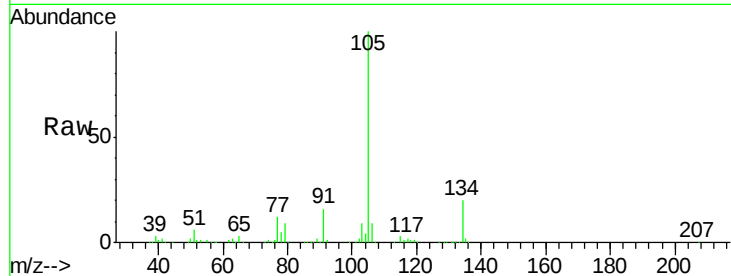
#85
 sec-Butylbenzene
 Concen: 21.967 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.5

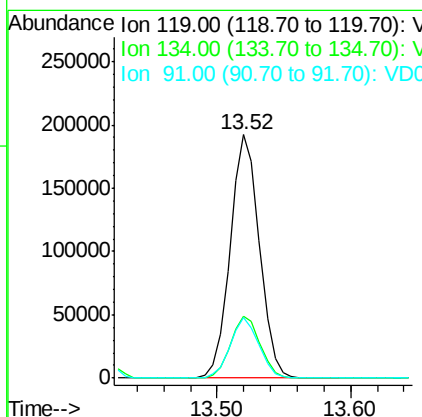
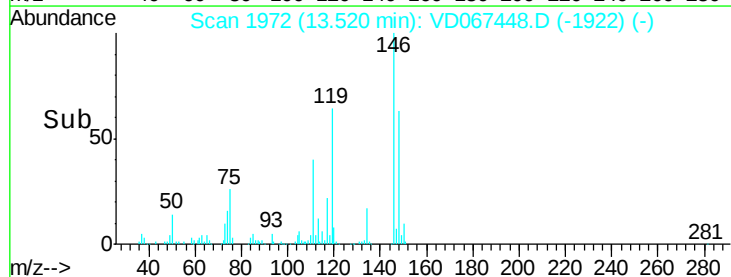
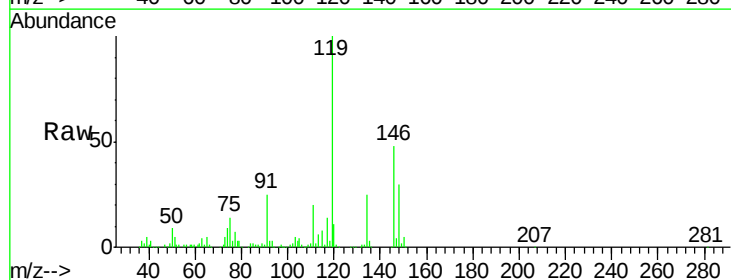
Manual Integrations
 APPROVED

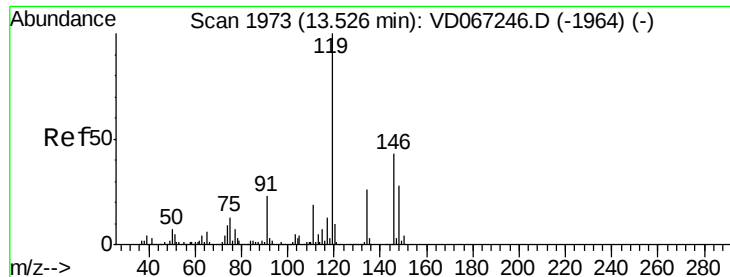
MMDadoda
 10/30/2020 1:34:55 PM



#86
 p-Isopropyltoluene
 Concen: 22.131 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.3
91	24.4	11.9	35.9





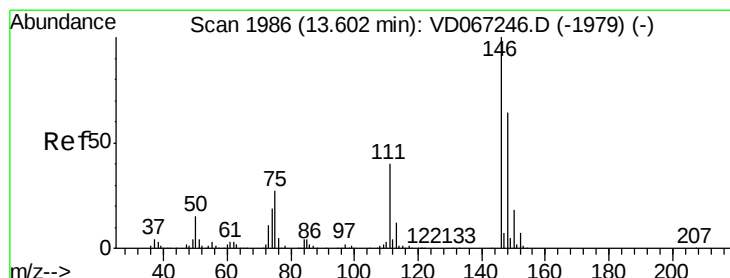
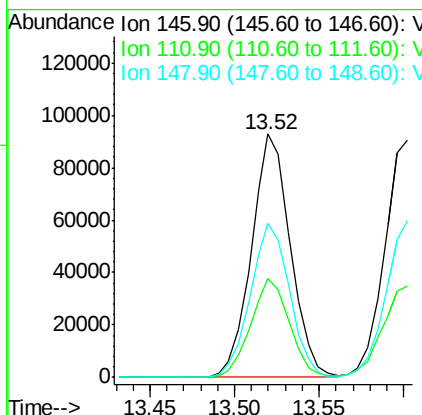
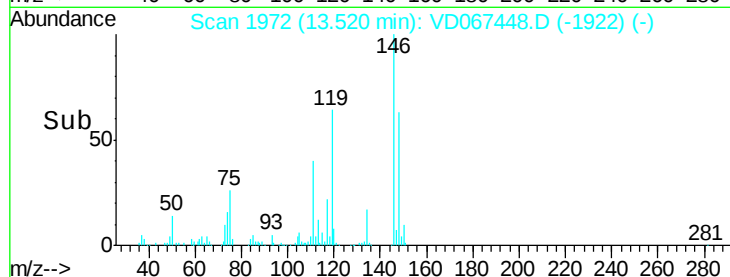
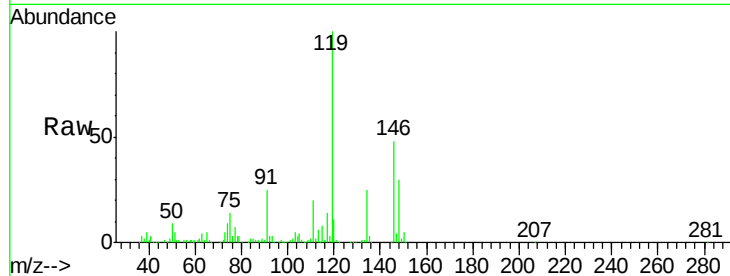
#87
 1,3-Dichlorobenzene
 Concen: 22.139 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.3
148	64.0	31.9	95.9

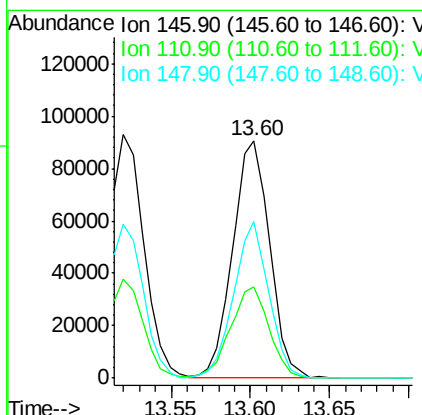
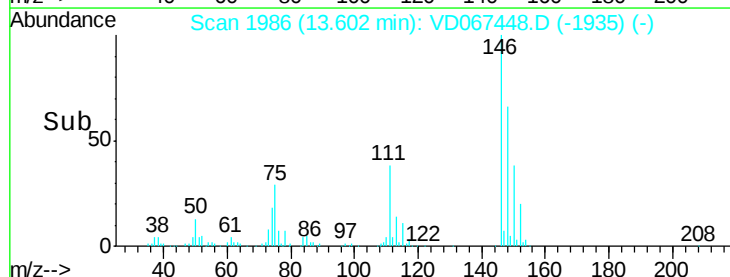
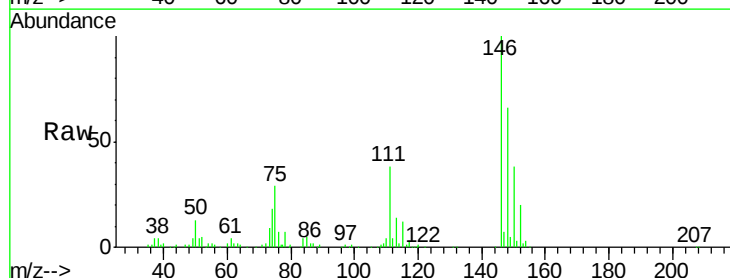
Manual Integrations
 APPROVED

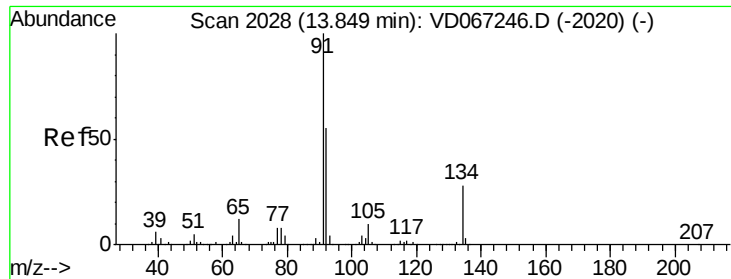
MMDadoda
 10/30/2020 1:34:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.223 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.7
148	62.6	31.9	95.9





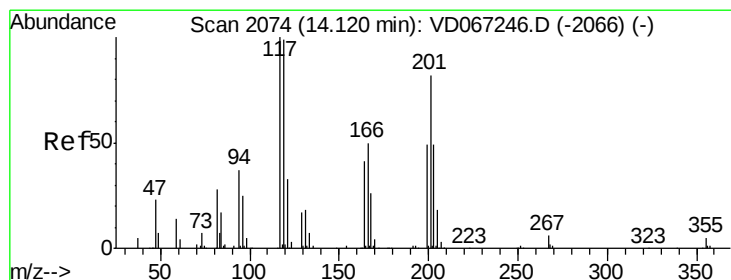
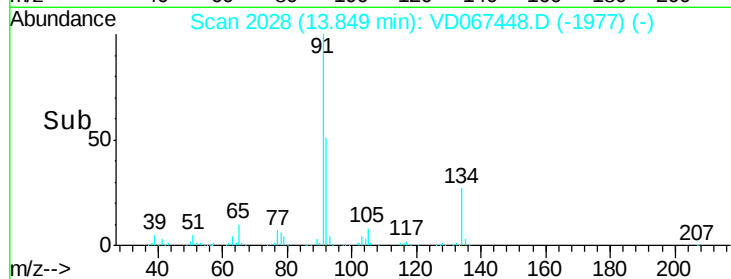
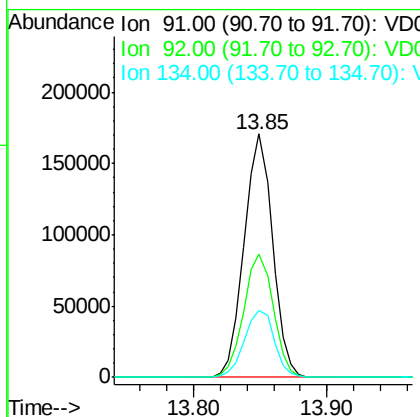
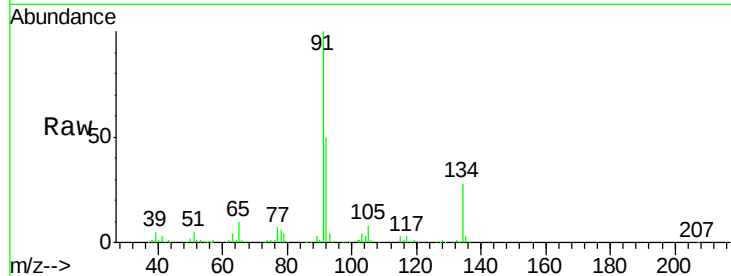
#89
n-Butylbenzene
Concen: 21.607 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	251483		
92	52.2		26.7	80.0
134	28.7		14.2	42.6

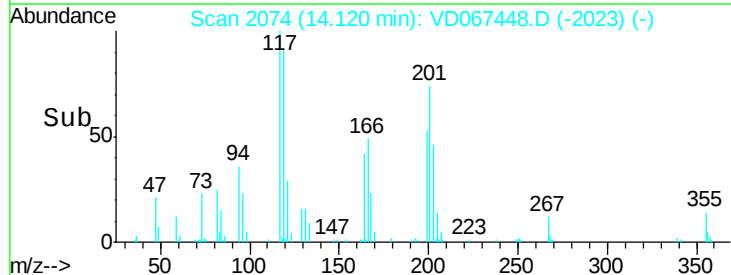
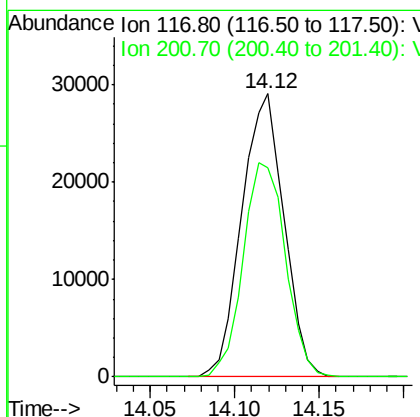
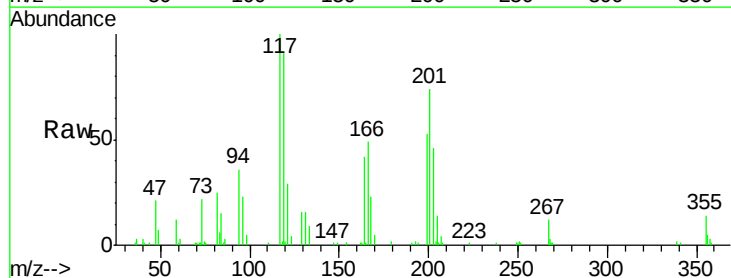
Manual Integrations
APPROVED

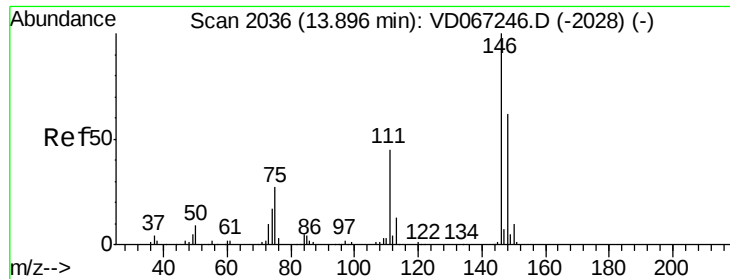
MMDadoda
10/30/2020 1:34:55 PM



#90
Hexachloroethane
Concen: 21.880 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	50514		
201	76.1		40.8	122.2





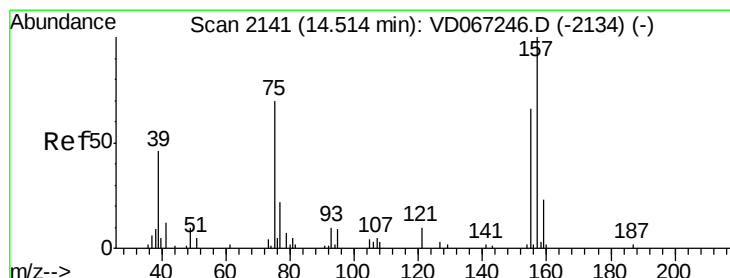
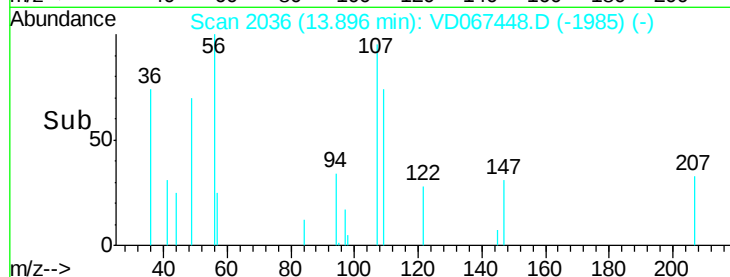
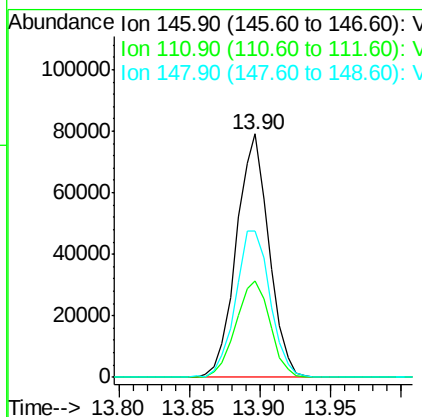
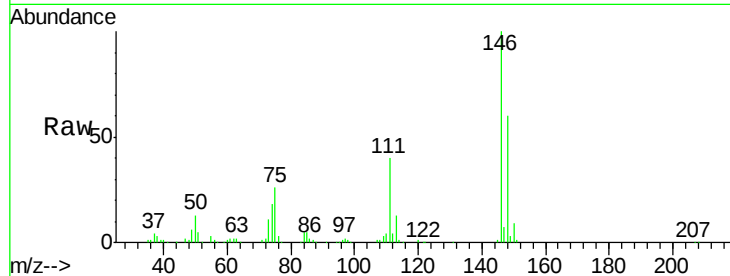
#91
 1,2-Dichlorobenzene
 Concen: 21.816 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.0	66.0
148	64.2	32.5	97.5

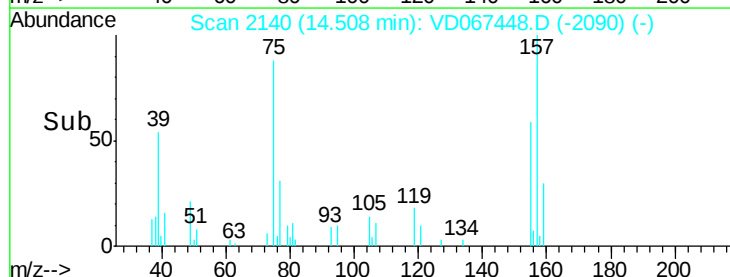
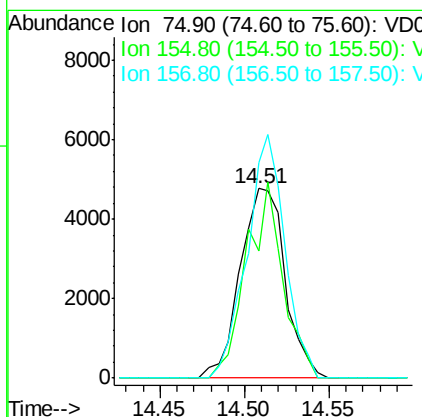
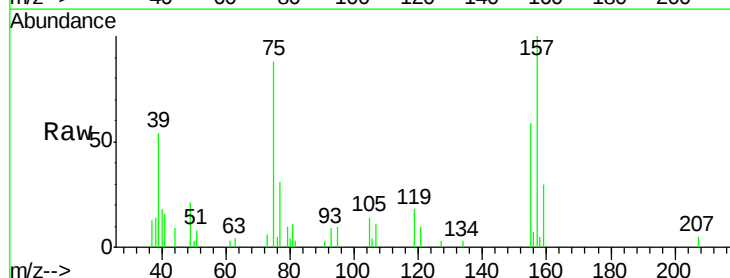
Manual Integrations
 APPROVED

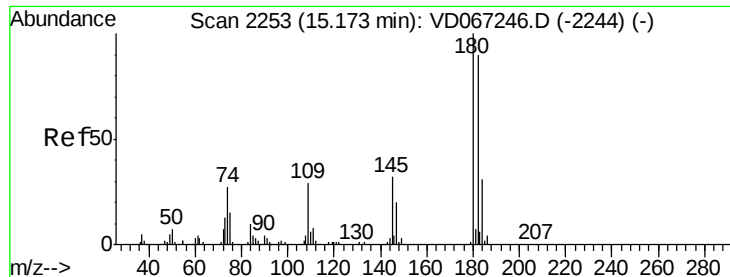
MMDadoda
 10/30/2020 1:34:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.699 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	44.8	134.4
157	109.0	62.5	187.4





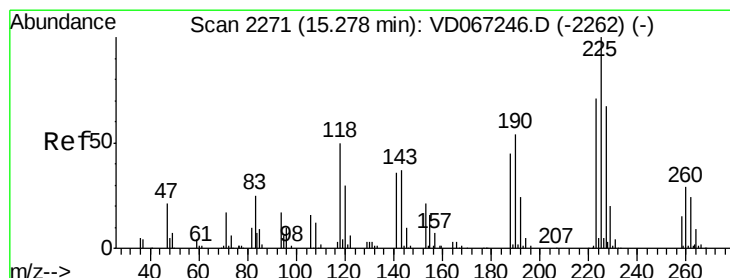
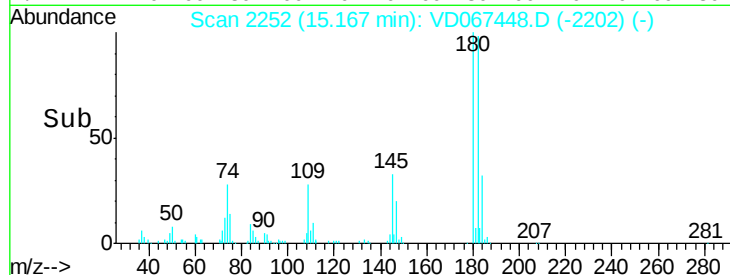
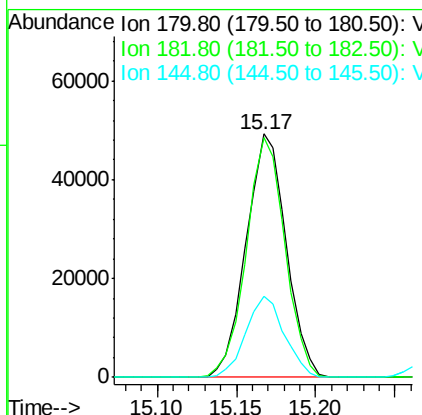
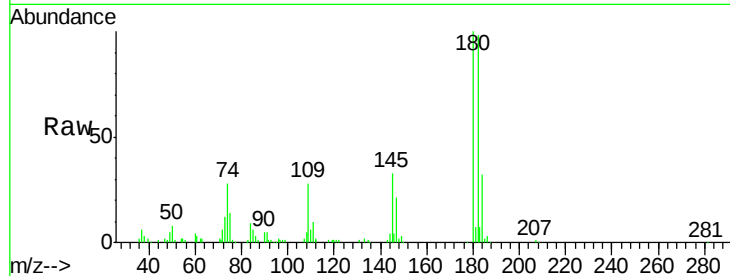
#93
 1,2,4-Trichlorobenzene
 Concen: 22.027 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1029SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86637		
182	94.7	48.1	144.4	
145	32.0	16.3	48.9	

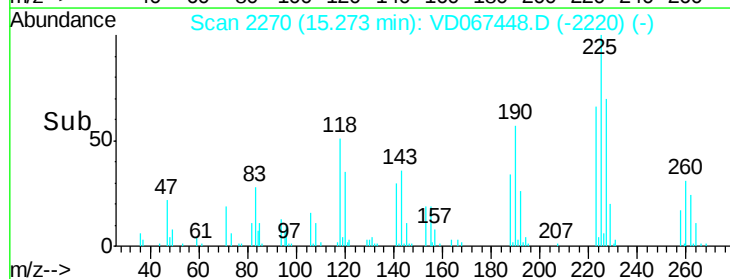
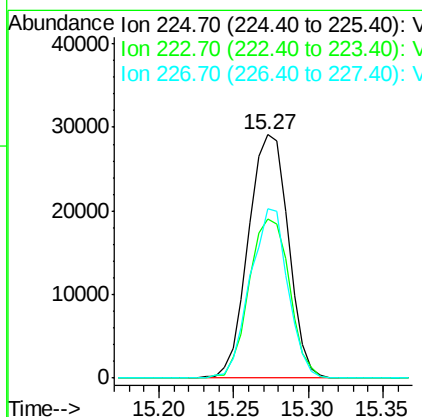
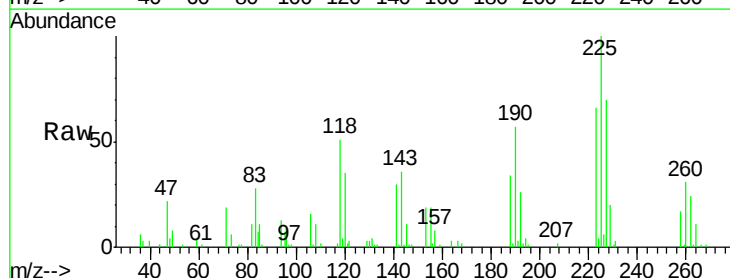
Manual Integrations
 APPROVED

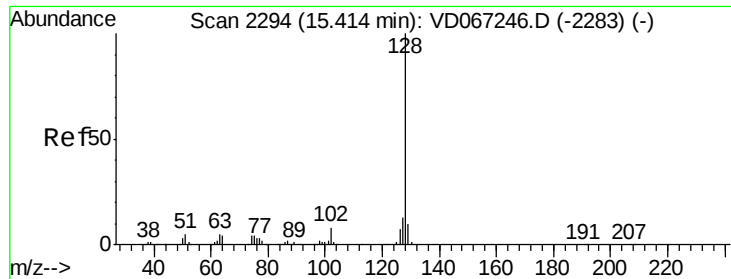
MMDadoda
 10/30/2020 1:34:55 PM



#94
 Hexachlorobutadiene
 Concen: 22.053 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067448.D
 Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53864		
223	66.5	31.9	95.7	
227	65.6	31.2	93.6	





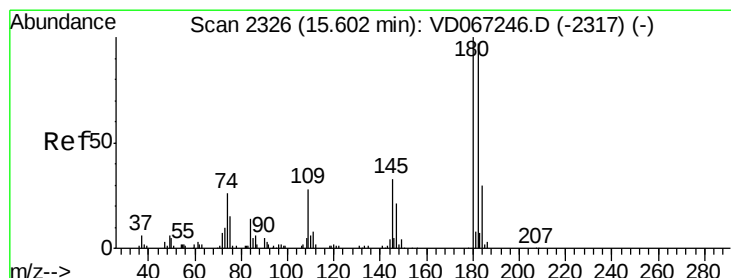
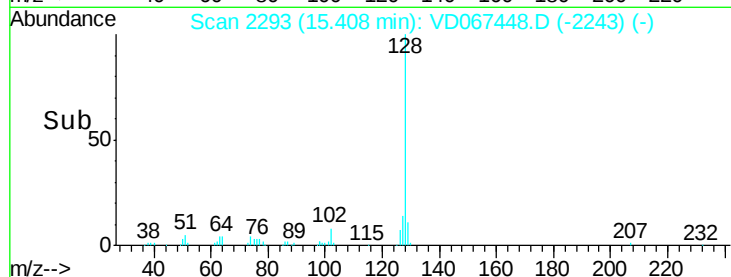
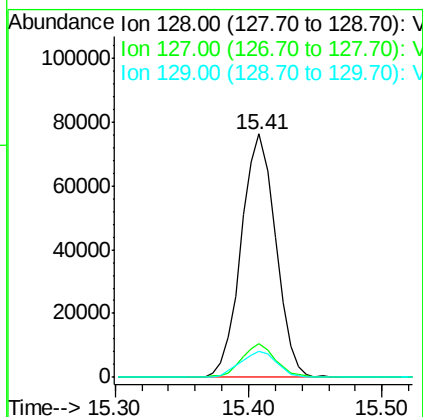
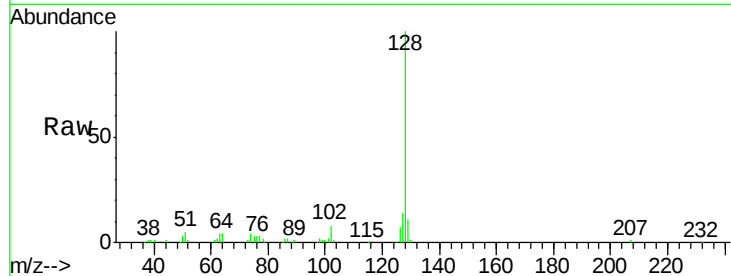
#95
Naphthalene
Concen: 21.110 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Instrument :
MSVOA_D
ClientSampleId :
VD1029SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.610 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067448.D
Acq: 29 Oct 2020 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.3
145	33.7	17.3	51.9

