

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067339.D
 Acq On : 21 Oct 2020 11:20
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 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	314710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	474882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	436352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	219078	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	157991	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.91	113	164428	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	10.34	98	587491	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.64	95	208008	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	56952	19.914	ug/l	94
3) Chloromethane	2.21	50	41818	21.114	ug/l	98
4) Vinyl Chloride	2.35	62	44610	20.528	ug/l	96
5) Bromomethane	2.76	94	36756	23.038	ug/l	97
6) Chloroethane	2.92	64	29085	21.490	ug/l	93
7) Trichlorofluoromethane	3.27	101	114033	20.839	ug/l	98
8) Diethyl Ether	3.71	74	25088	20.035	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	59075	20.319	ug/l	97
10) Methyl Iodide	4.30	142	53971	20.124	ug/l	97
11) Tert butyl alcohol	5.22	59	17980	78.385	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	52608	20.254	ug/l	90
13) Acrolein	3.91	56	11220	76.047	ug/l	99
14) Allyl chloride	4.71	41	59349	19.953	ug/l	99
15) Acrylonitrile	5.42	53	43131	103.229	ug/l	97
16) Acetone	4.15	43	40784	92.362	ug/l	95
17) Carbon Disulfide	4.41	76	147048	19.859	ug/l	95
18) Methyl Acetate	4.70	43	19869	19.728	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	102234	19.795	ug/l	94
20) Methylene Chloride	4.97	84	60042	18.390	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	60300	20.174	ug/l	98
22) Diisopropyl ether	6.37	45	115848	21.321	ug/l	95
23) Vinyl Acetate	6.30	43	314829	101.843	ug/l	100
24) 1,1-Dichloroethane	6.26	63	96930	20.840	ug/l	99
25) 2-Butanone	7.21	43	49292	97.929	ug/l	95
26) 2,2-Dichloropropane	7.21	77	100298	20.921	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	66533	20.310	ug/l	96
28) Bromochloromethane	7.54	49	31470	19.836	ug/l	98
29) Tetrahydrofuran	7.56	42	29242	104.511	ug/l	97
30) Chloroform	7.71	83	117403	21.129	ug/l	86
31) Cyclohexane	7.99	56	72341	19.920	ug/l	85
32) 1,1,1-Trichloroethane	7.90	97	114695	21.038	ug/l	98
36) 1,1-Dichloropropene	8.11	75	81513	20.252	ug/l	99
37) Ethyl Acetate	7.30	43	23248	19.632	ug/l	95
38) Carbon Tetrachloride	8.10	117	109342	21.255	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
 Data File : VD067339.D
 Acq On : 21 Oct 2020 11:20
 Operator : VA/SY
 Sample : VD1021SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 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	84720	20.134	ug/l	96
40) Benzene	8.35	78	229502	20.784	ug/l	97
41) Methacrylonitrile	7.52	41	10325m	16.135	ug/l	
42) 1,2-Dichloroethane	8.43	62	73710	21.331	ug/l	100
43) Isopropyl Acetate	8.46	43	49012	20.858	ug/l	99
44) Trichloroethene	9.11	130	73697	20.846	ug/l	94
45) 1,2-Dichloropropane	9.39	63	52547	20.534	ug/l	98
46) Dibromomethane	9.48	93	32422	20.335	ug/l	95
47) Bromodichloromethane	9.66	83	88987	20.831	ug/l	93
48) Methyl methacrylate	9.46	41	21206	18.571	ug/l	96
49) 1,4-Dioxane	9.46	88	5848	359.558	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	115594	98.630	ug/l	100
52) Toluene	10.41	92	160671	21.364	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	77387	20.622	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	93205	21.223	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	45618	20.981	ug/l	93
56) Ethyl methacrylate	10.66	69	45232	20.059	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72692	21.009	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	115999	100.279	ug/l	100
59) 2-Hexanone	10.99	43	79961	99.844	ug/l	99
60) Dibromochloromethane	11.14	129	68084	21.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42933	20.030	ug/l	96
64) Tetrachloroethene	10.88	164	67543	21.364	ug/l	89
65) Chlorobenzene	11.67	112	177607	21.226	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	74441	22.384	ug/l	98
67) Ethyl Benzene	11.75	91	302637	21.099	ug/l	98
68) m/p-Xylenes	11.86	106	239921	43.437	ug/l	98
69) o-Xylene	12.18	106	105807	20.687	ug/l	99
70) Styrene	12.20	104	185616	21.081	ug/l	99
71) Bromoform	12.37	173	37081	20.755	ug/l #	97
73) Isopropylbenzene	12.48	105	303509	21.829	ug/l	99
74) N-amyl acetate	12.29	43	43981	20.944	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	45977	21.581	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	34385m	22.645	ug/l	
77) Bromobenzene	12.77	156	74510	21.495	ug/l	99
78) n-propylbenzene	12.83	91	353573	21.948	ug/l	99
79) 2-Chlorotoluene	12.91	91	195825	20.961	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	264809	21.917	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	14248	21.279	ug/l	95
82) 4-Chlorotoluene	13.01	91	219928	22.180	ug/l	98
83) tert-Butylbenzene	13.23	119	221766	21.728	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	268465	22.480	ug/l	98
85) sec-Butylbenzene	13.41	105	302827	21.623	ug/l	100
86) p-Isopropyltoluene	13.52	119	290172	21.952	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	148419	22.245	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	143587	21.721	ug/l	99
89) n-Butylbenzene	13.85	91	249303	21.438	ug/l	100
90) Hexachloroethane	14.11	117	48148	20.873	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	123859	21.250	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7905	20.424	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067339.D
Acq On : 21 Oct 2020 11:20
Operator : VA/SY
Sample : VD1021SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	85543	21.768	ug/l	98
94) Hexachlorobutadiene	15.27	225	52906	21.679	ug/l	98
95) Naphthalene	15.41	128	126911	19.670	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	74885	22.057	ug/l	97

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

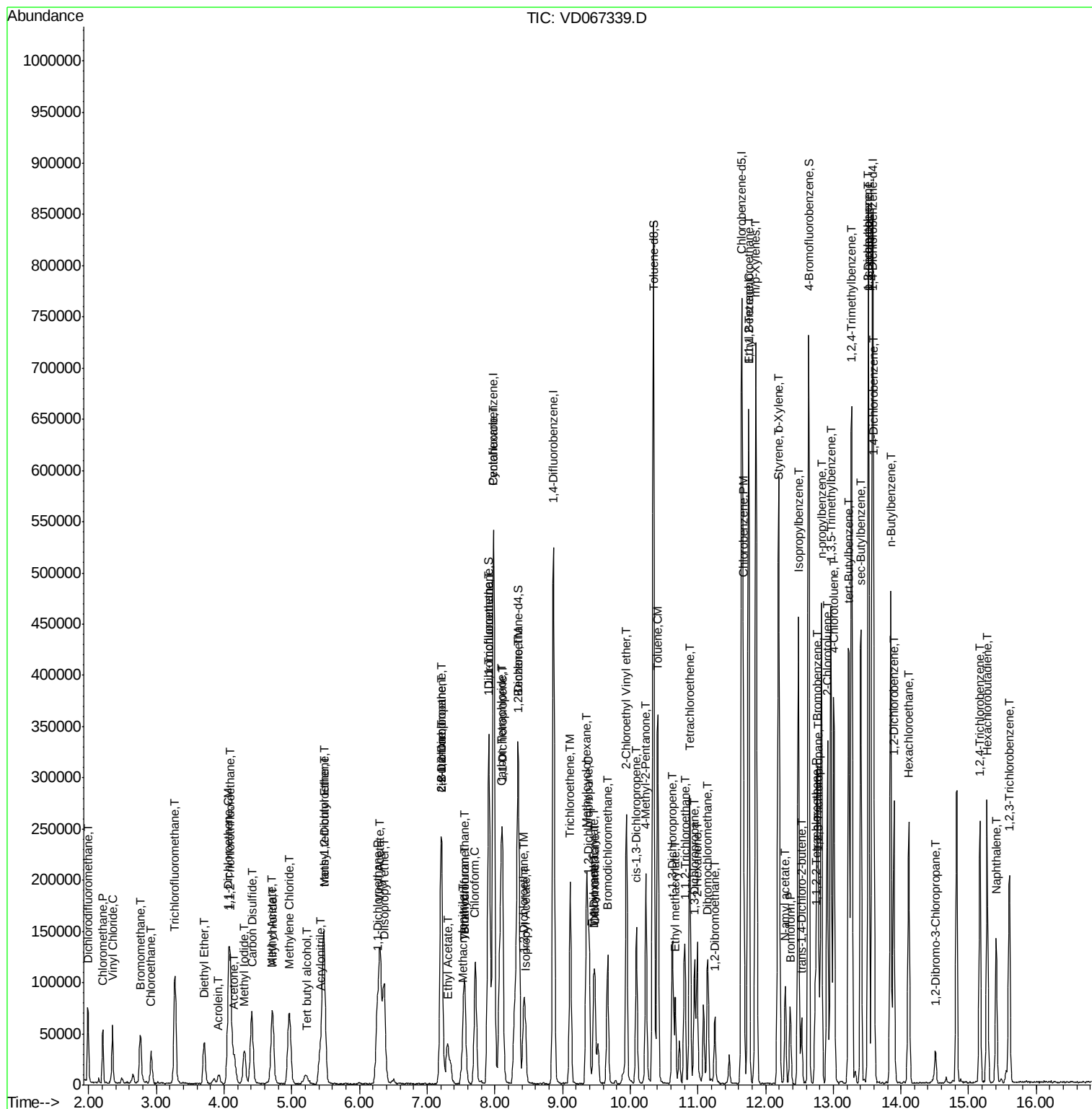
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067339.D
Acq On : 21 Oct 2020 11:20
Operator : VA/SY
Sample : VD1021SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 4 Sample Multiplier: 1

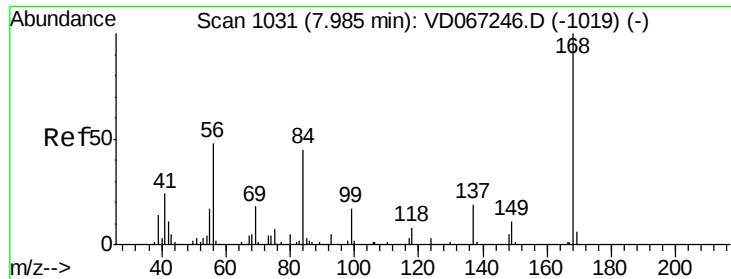
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM

Quant Time: Oct 22 00:32:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion:168 Resp: 314710

Ion Ratio Lower Upper

168 100

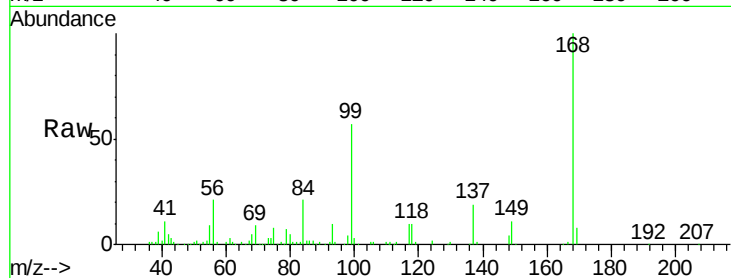
99 57.1 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

10/22/2020 5:19:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

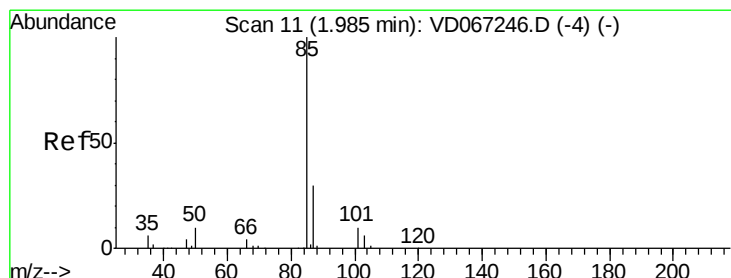
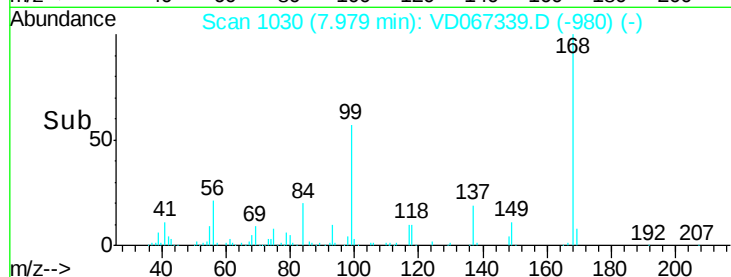
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.914 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067339.D

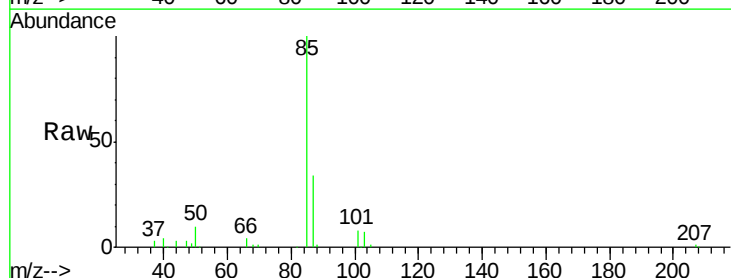
Acq: 21 Oct 2020 11:20

Tgt Ion: 85 Resp: 56952

Ion Ratio Lower Upper

85 100

87 33.6 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

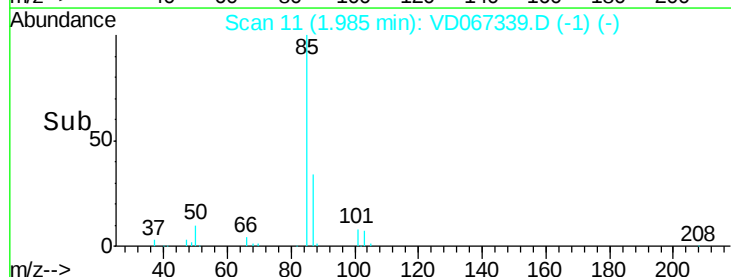
20000

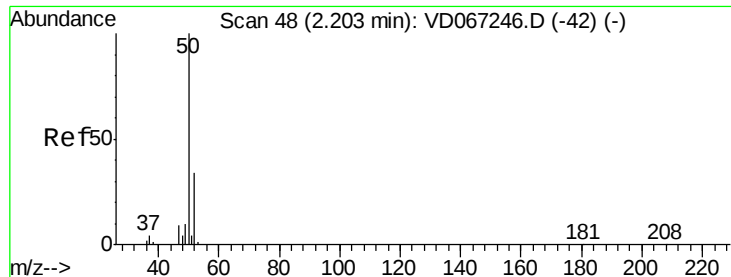
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.114 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 50 Resp: 41818

Ion Ratio Lower Upper

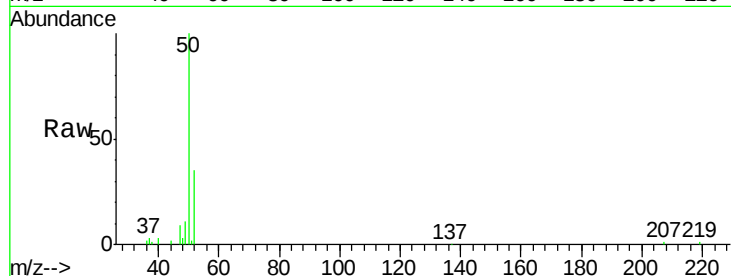
50 100

52 34.8 27.1 40.7

Manual Integrations
APPROVED

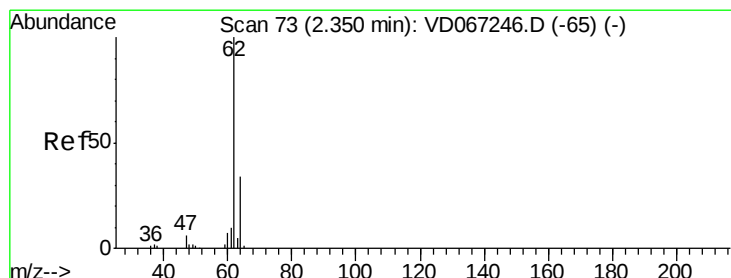
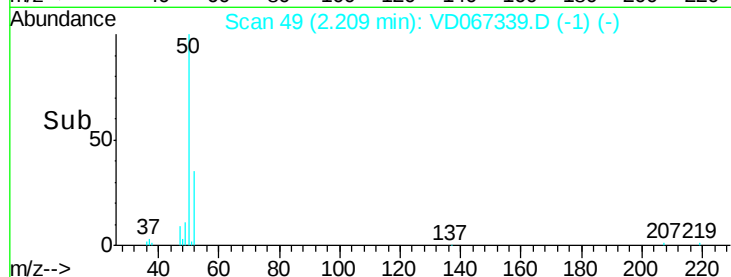
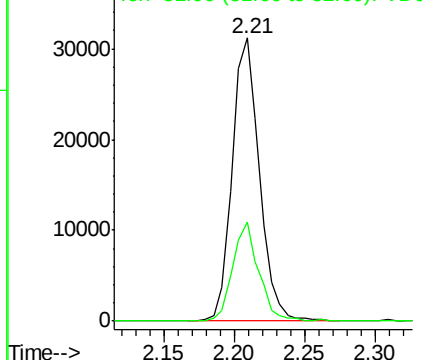
MMDadoda

10/22/2020 5:19:13 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.528 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067339.D

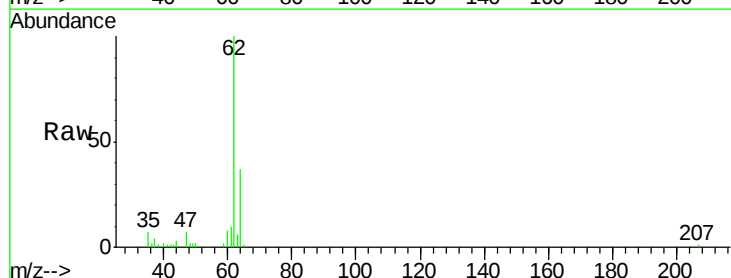
Acq: 21 Oct 2020 11:20

Tgt Ion: 62 Resp: 44610

Ion Ratio Lower Upper

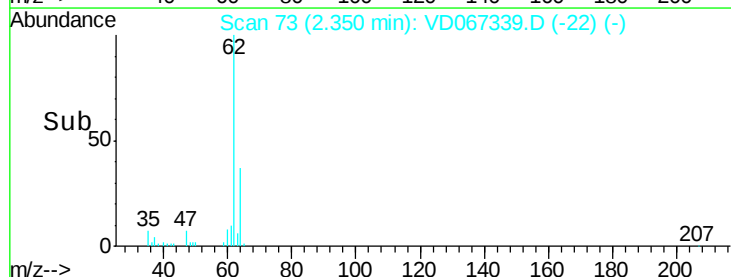
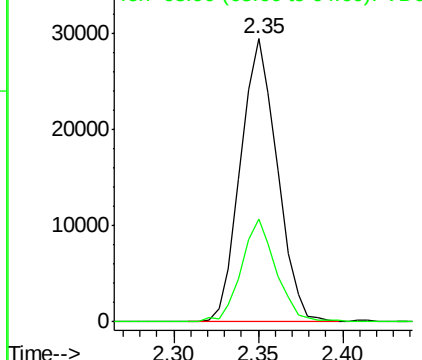
62 100

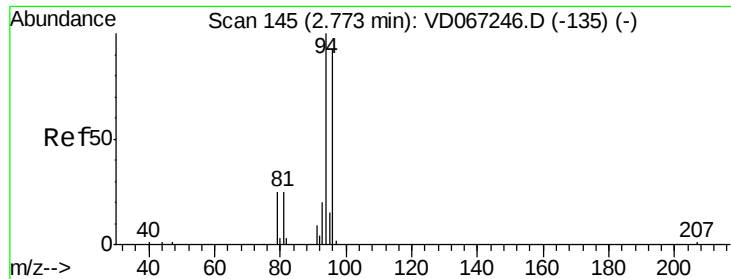
64 36.6 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 23.038 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 94 Resp: 36756

Ion Ratio Lower Upper

94 100

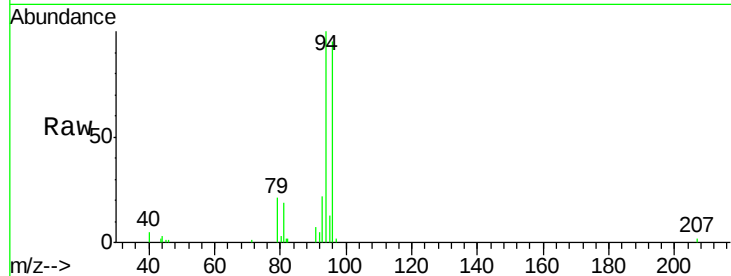
96 94.9 73.8 110.6

Manual Integrations

APPROVED

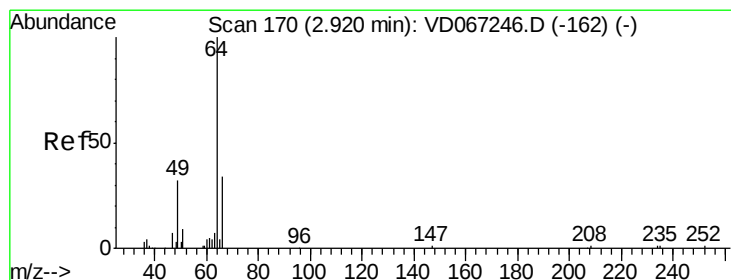
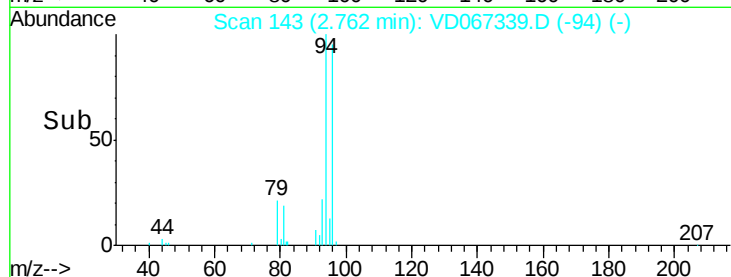
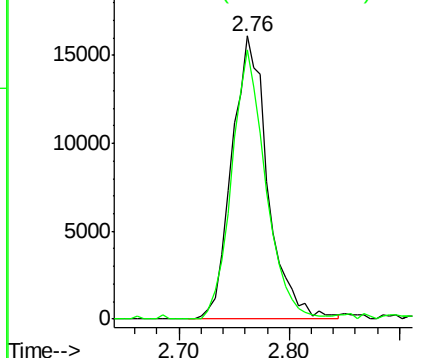
MMDadoda

10/22/2020 5:19:13 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.490 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067339.D

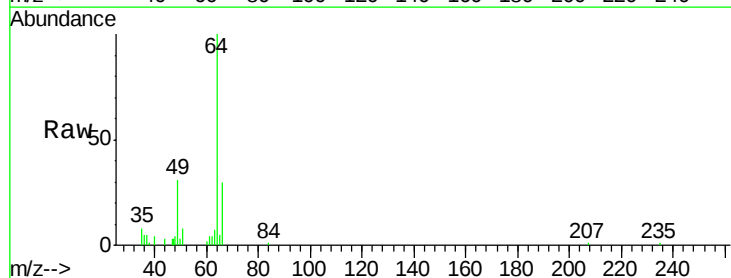
Acq: 21 Oct 2020 11:20

Tgt Ion: 64 Resp: 29085

Ion Ratio Lower Upper

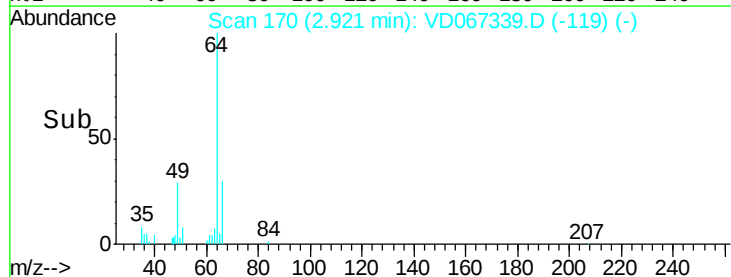
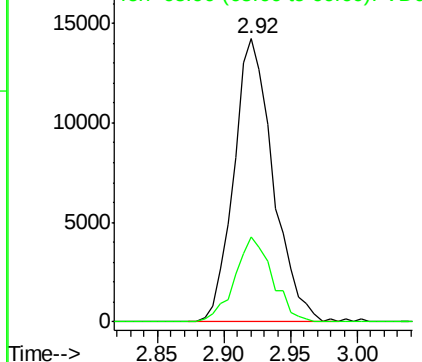
64 100

66 30.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

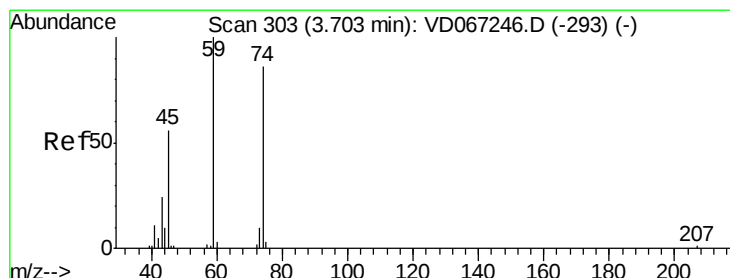
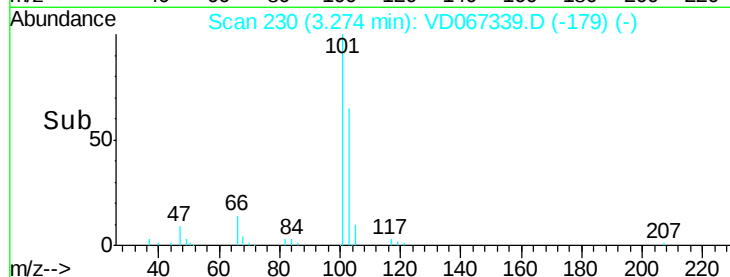
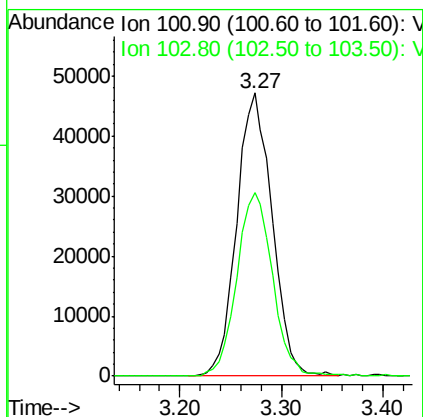
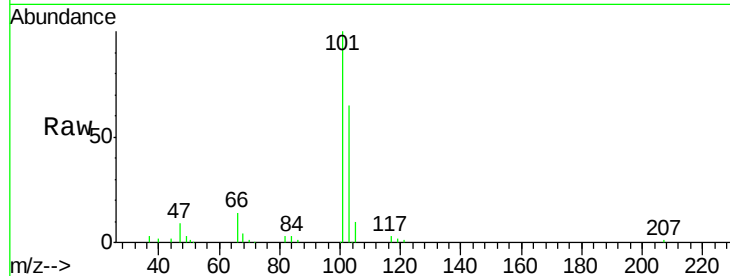
Trichlorofluoromethane
 Concen: 20.839 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		114033		
103	64.9	53.1	79.7		

Manual Integrations
 APPROVED

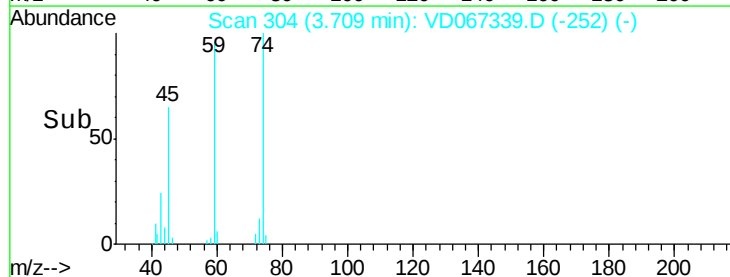
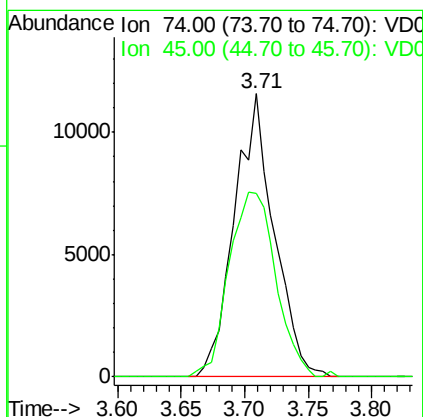
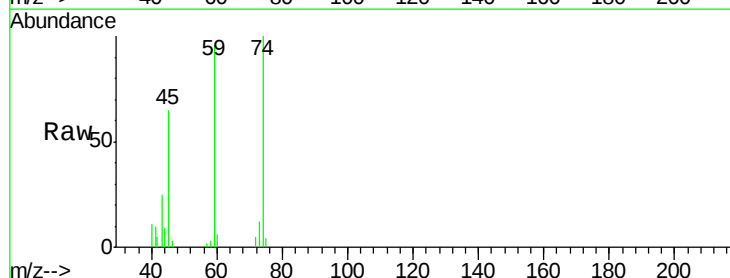
MMDadoda
 10/22/2020 5:19:13 PM

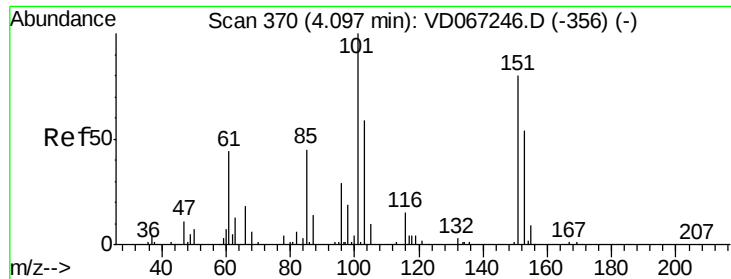


#8

Diethyl Ether
 Concen: 20.035 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25088		
45	77.0	37.0	111.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.319 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

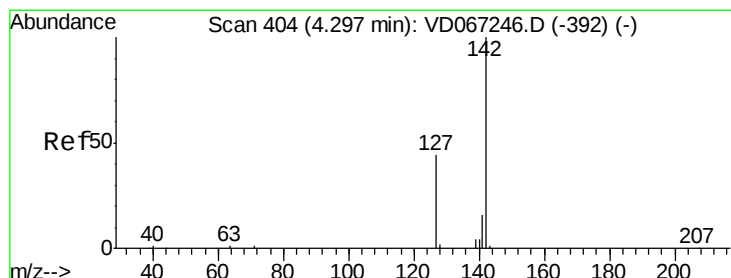
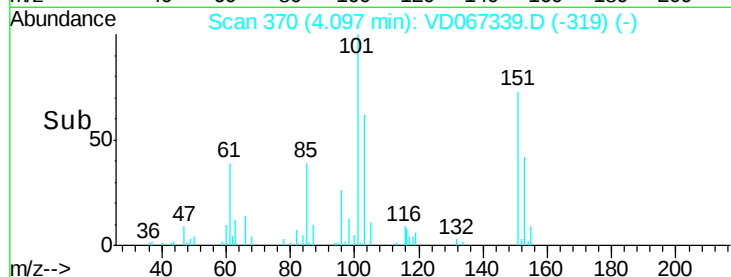
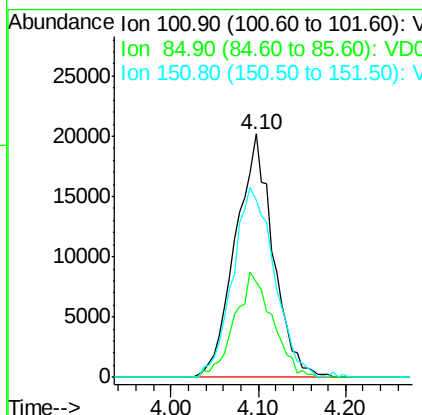
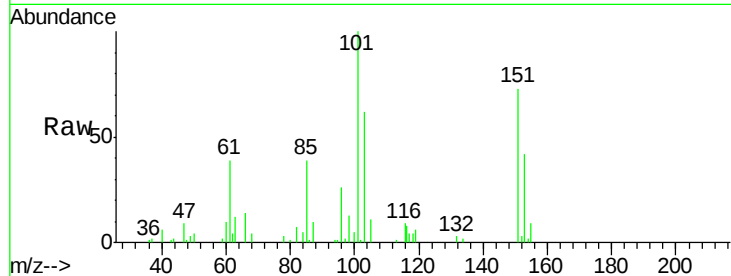
ClientSampleId :

VD1021SBS01

Tot Ion:	101	Resp:	59075
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	86.1	66.3	99.5

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#10

Methyl Iodide

Concen: 20.124 ug/l

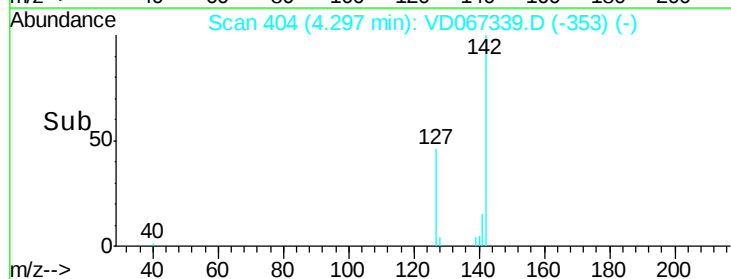
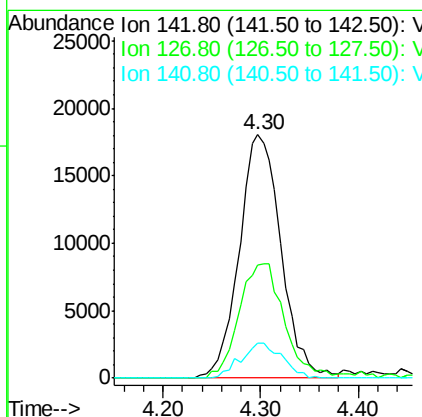
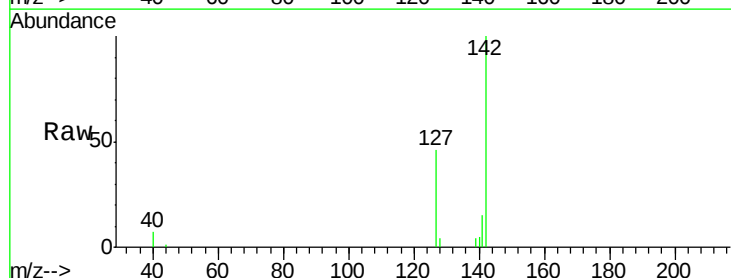
RT: 4.30 min Scan# 404

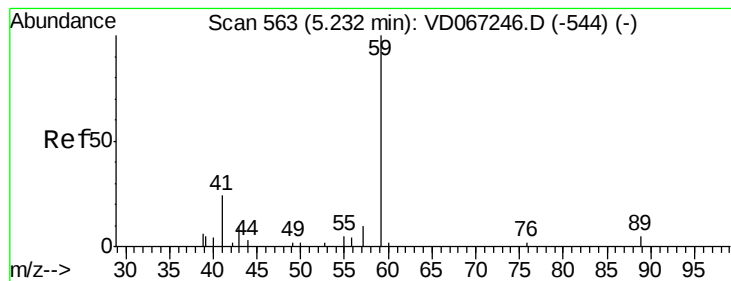
Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	142	Resp:	53971
Ion Ratio	Lower	Upper	
142	100		
127	50.9	38.4	57.6
141	14.3	11.6	17.4





#11

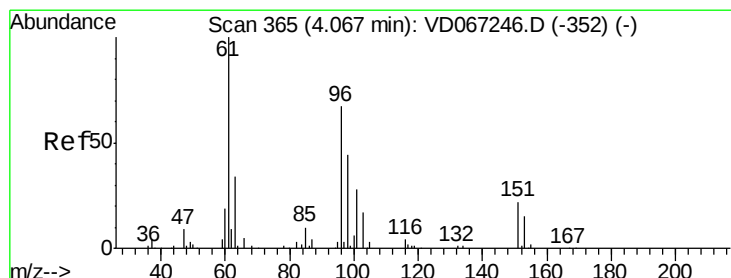
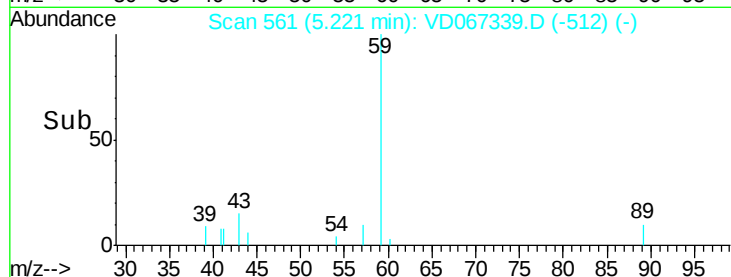
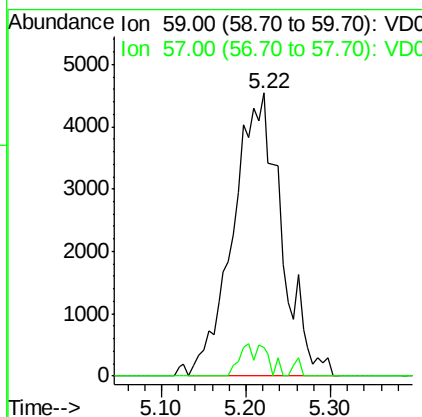
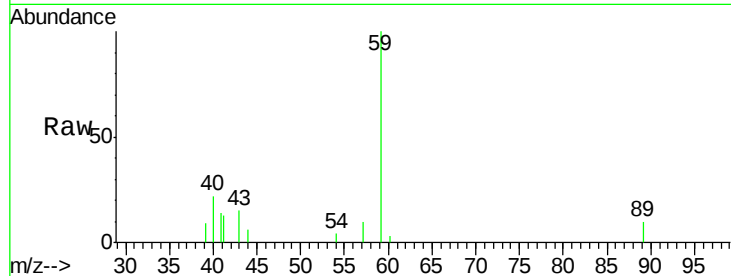
Tert butyl alcohol
Concen: 78.385 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 59 Resp: 17980
Ion Ratio Lower Upper
59 100
57 3.2 5.1 7.7#

Manual Integrations
APPROVED

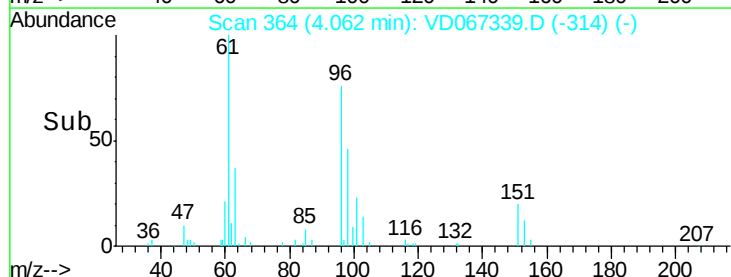
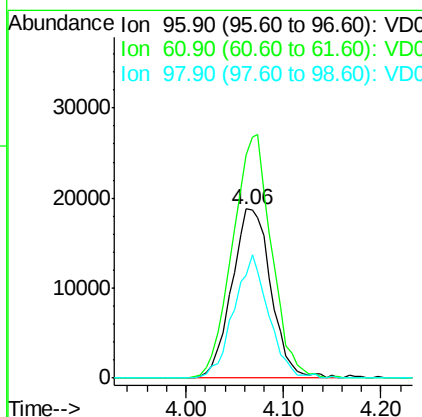
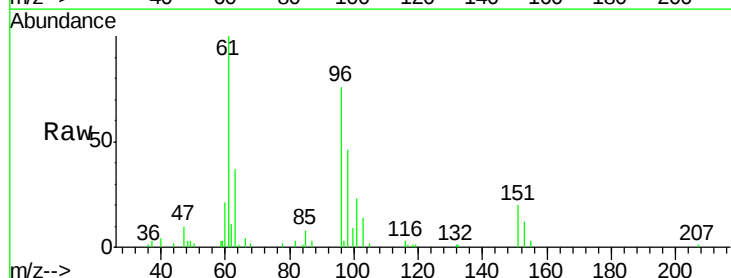
MMDadoda
10/22/2020 5:19:13 PM

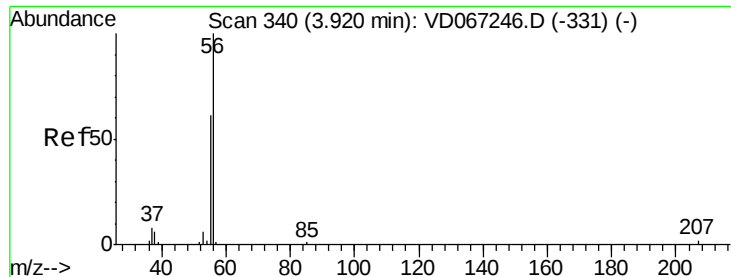


#12

1,1-Dichloroethene
Concen: 20.254 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 96 Resp: 52608
Ion Ratio Lower Upper
96 100
61 132.2 118.6 177.8
98 60.6 51.8 77.6





#13

Acrolein

Concen: 76.047 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 56 Resp: 11220

Ion Ratio Lower Upper

56 100

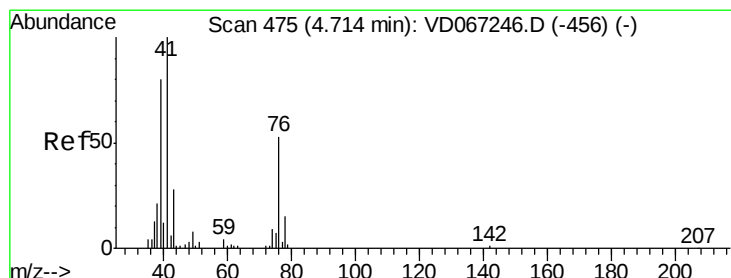
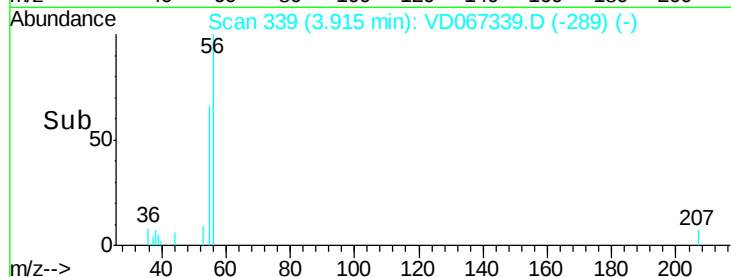
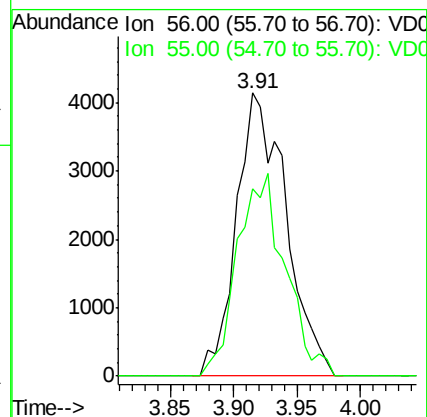
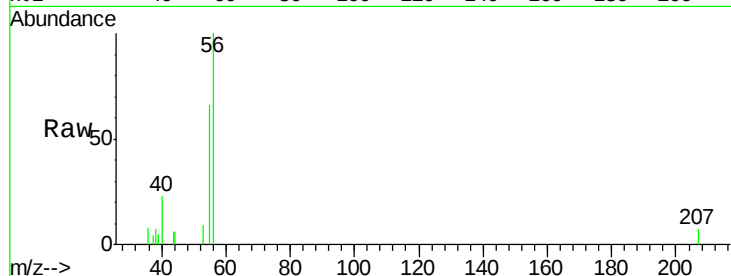
55 69.2 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

10/22/2020 5:19:13 PM



#14

Allyl chloride

Concen: 19.953 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

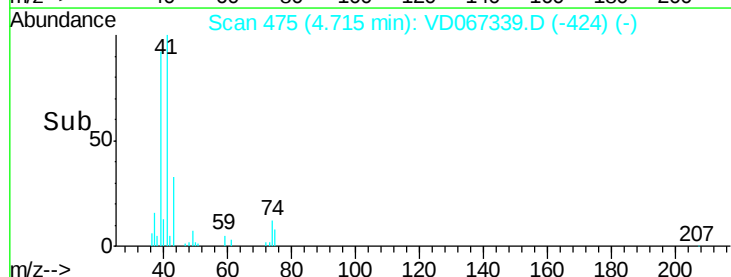
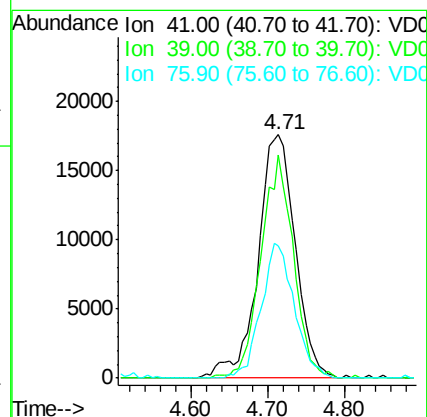
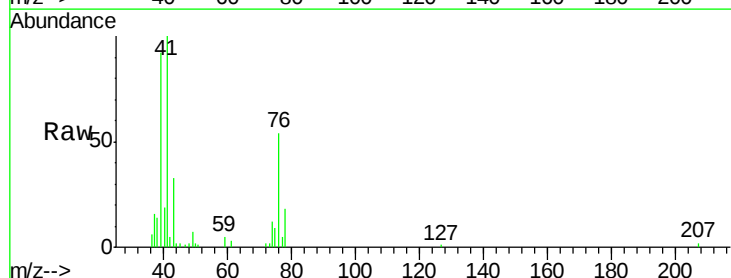
Tgt Ion: 41 Resp: 59349

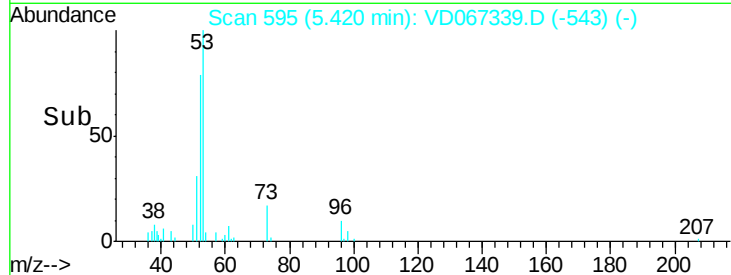
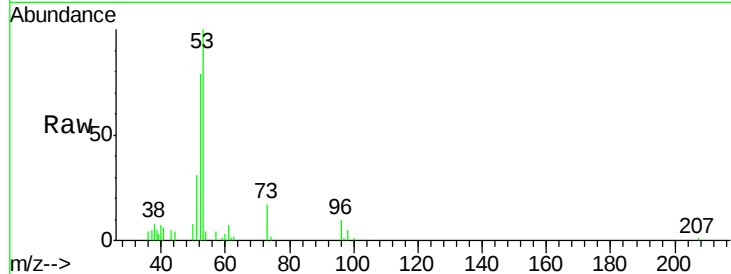
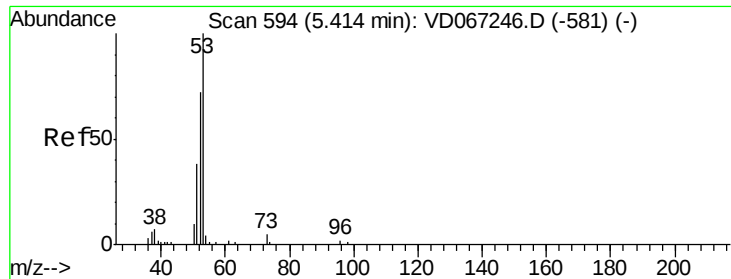
Ion Ratio Lower Upper

41 100

39 80.2 63.8 95.6

76 49.3 40.4 60.6





#15

Acrylonitrile

Concen: 103.229 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067339.D

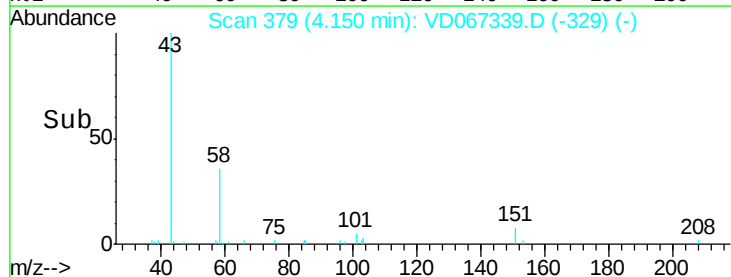
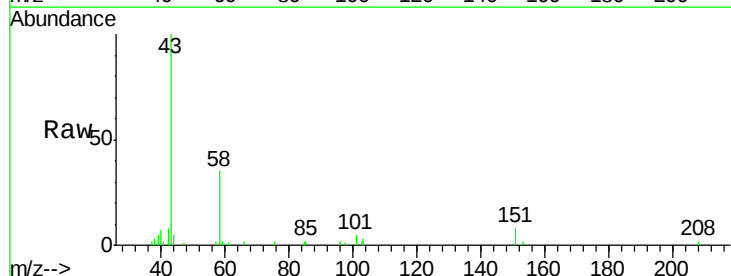
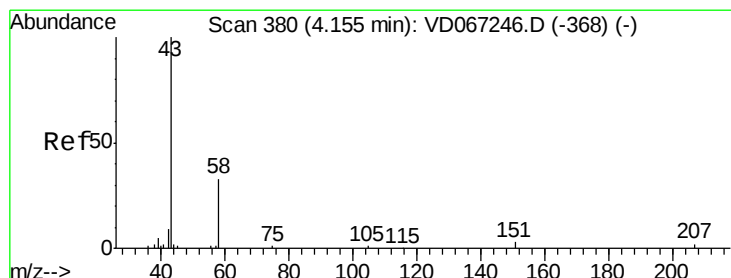
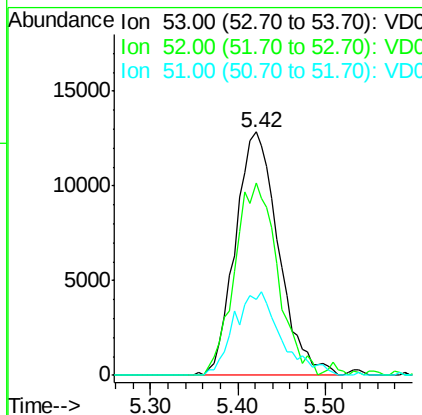
Acq: 21 Oct 2020 11:20

Tot Ion:	53	Resp:	43131
Ion Ratio	Lower	Upper	
53	100		
52	78.8	65.6	98.4
51	37.3	30.8	46.2

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#16

Acetone

Concen: 92.362 ug/l

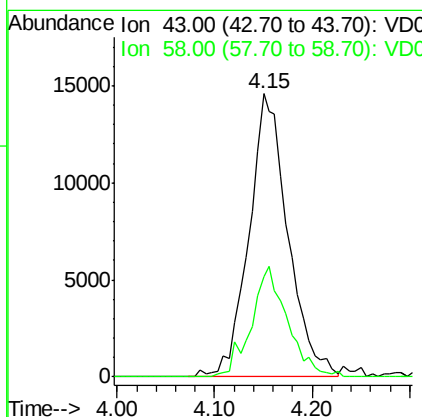
RT: 4.15 min Scan# 379

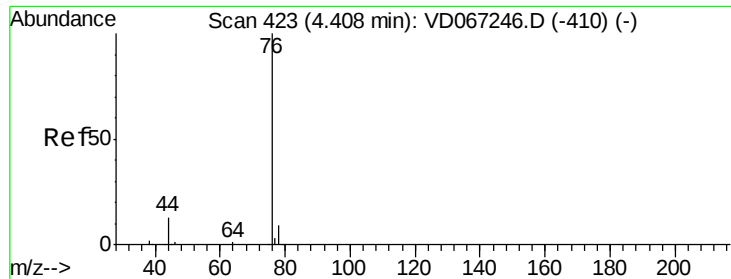
Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	43	Resp:	40784
Ion Ratio	Lower	Upper	
43	100		
58	35.5	26.1	39.1





#17

Carbon Disulfide

Concen: 19.859 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 76 Resp: 147048

Ion Ratio Lower Upper

76 100

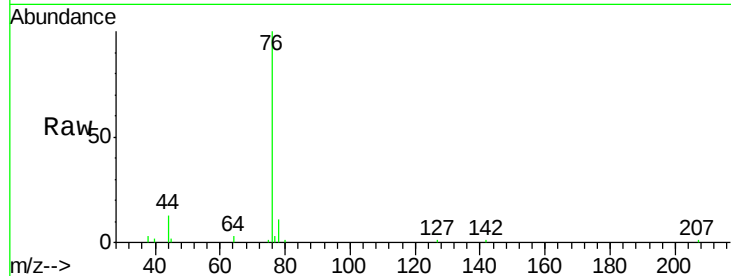
78 11.0 7.4 11.0

Manual Integrations

APPROVED

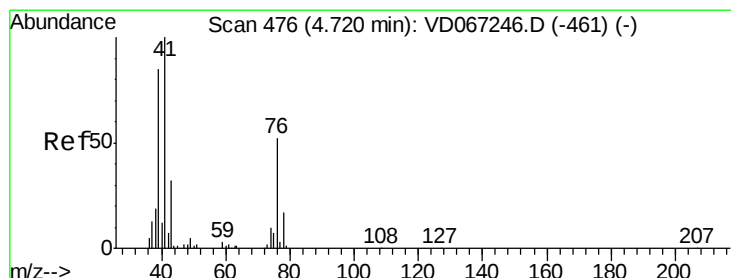
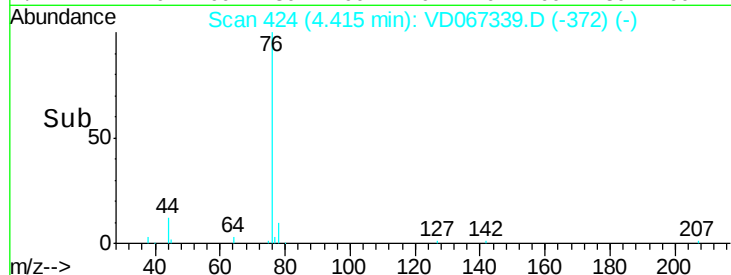
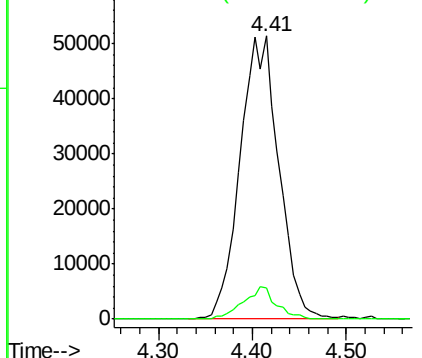
MMDadoda

10/22/2020 5:19:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.728 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.02 min

Lab File: VD067339.D

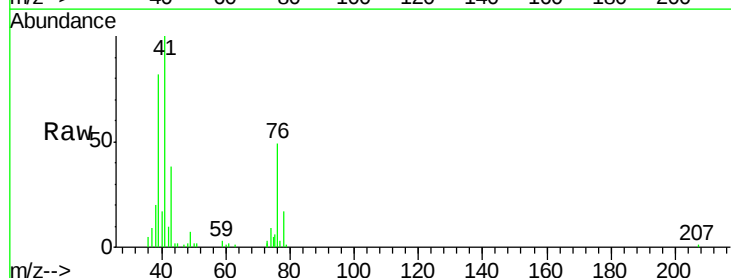
Acq: 21 Oct 2020 11:20

Tgt Ion: 43 Resp: 19869

Ion Ratio Lower Upper

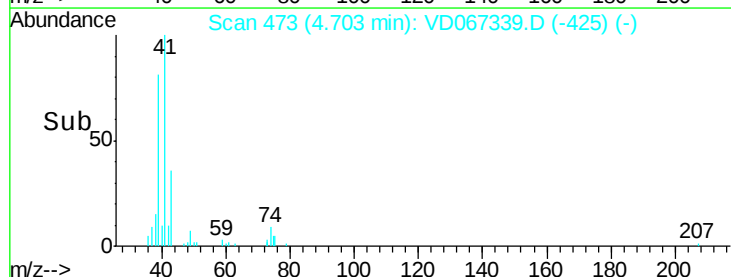
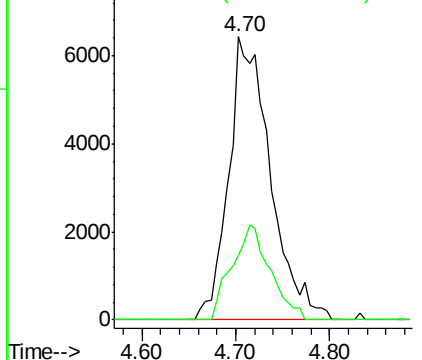
43 100

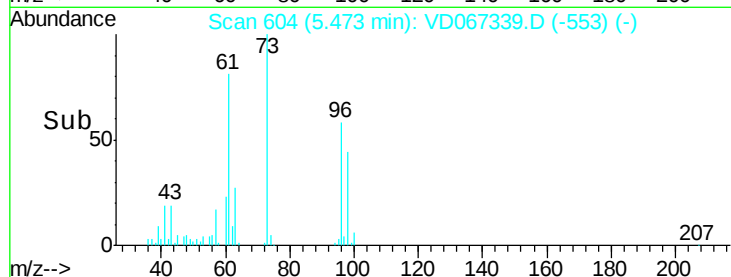
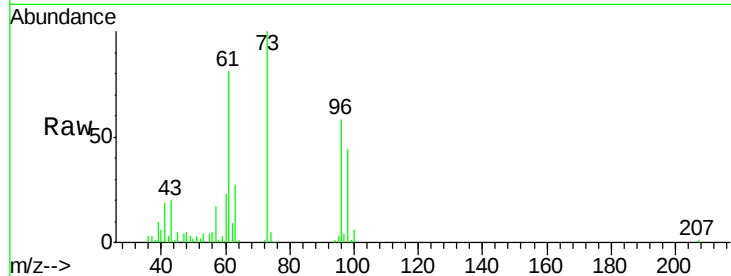
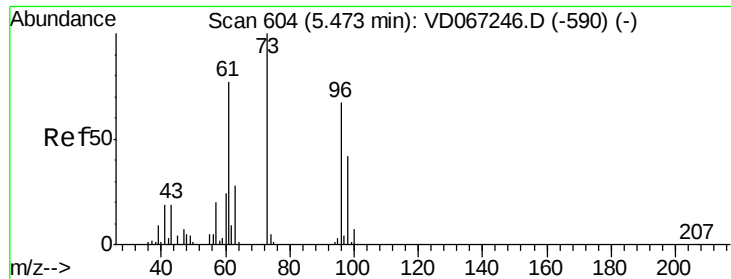
74 30.6 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





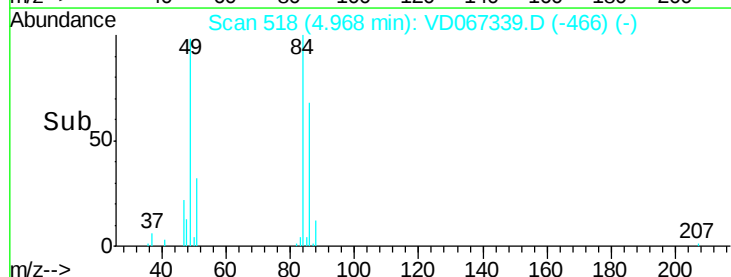
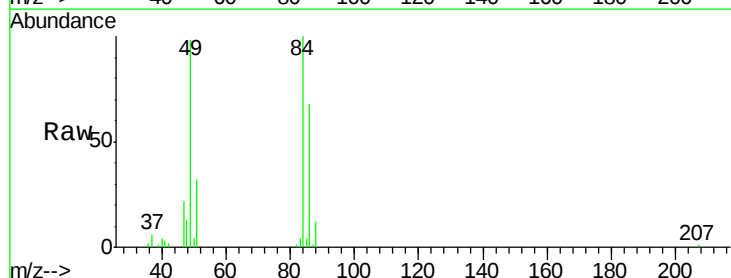
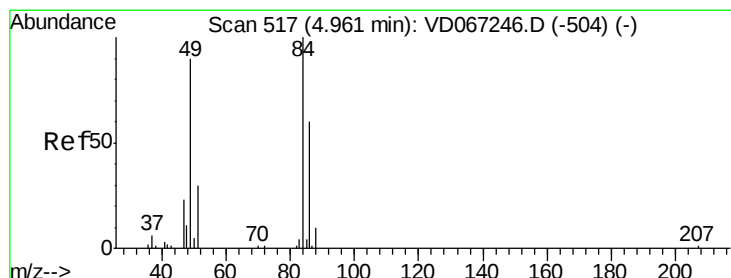
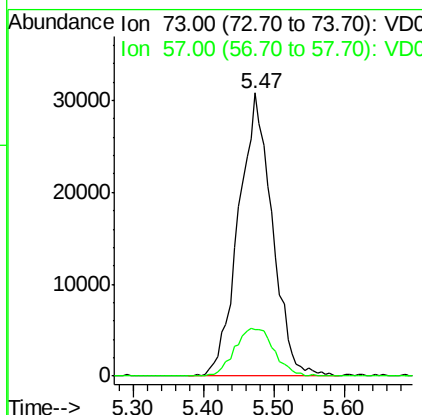
#19
Methyl tert-butyl Ether
Concen: 19.795 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	15.7	23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

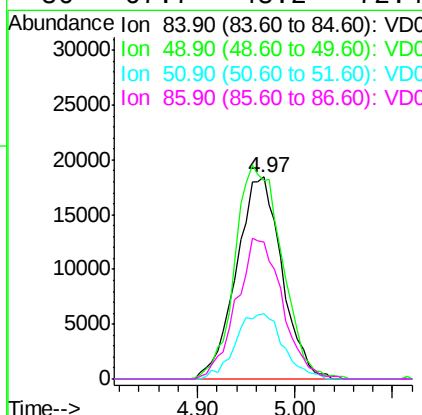
Manual Integrations
APPROVED

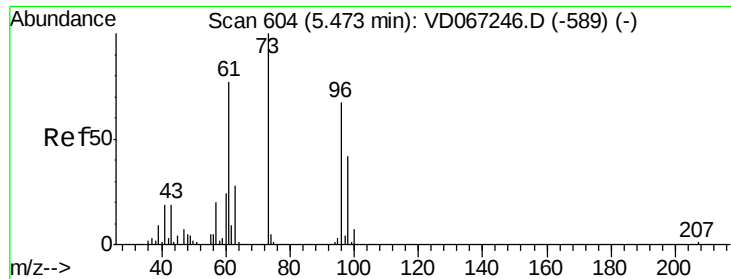
MMDadoda
10/22/2020 5:19:13 PM



#20
Methylene Chloride
Concen: 18.390 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.3	72.2	108.2
51	32.3	23.8	35.8
86	67.7	48.2	72.4





#21

trans-1,2-Dichloroethene

Concen: 20.174 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

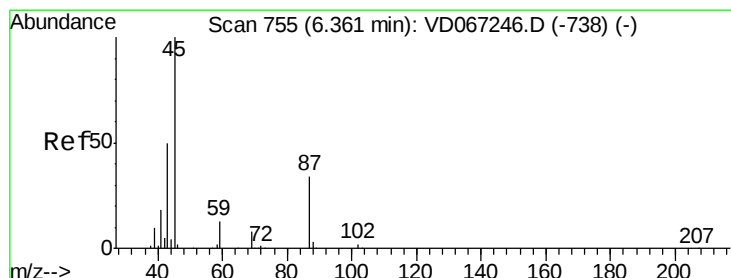
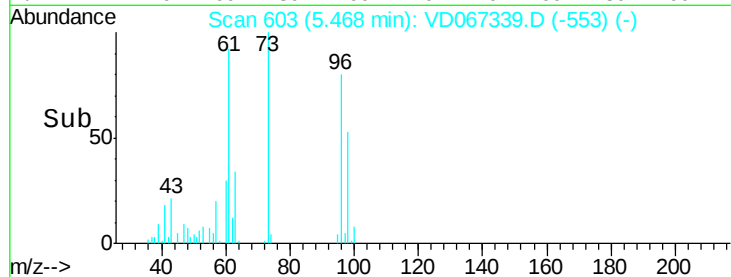
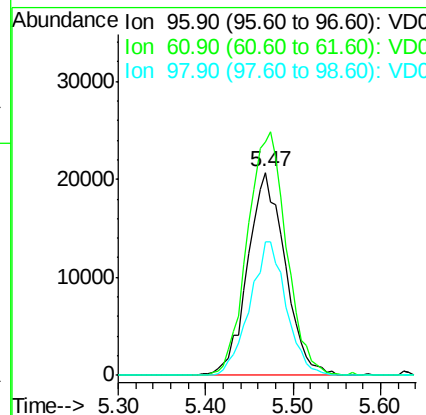
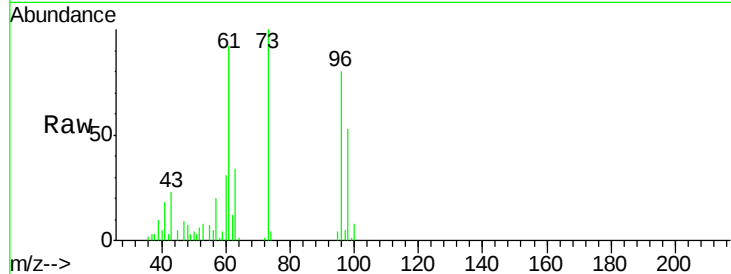
ClientSampleId :

VD1021SBS01

Tot Ion:	96	Resp:	60300
Ion	Ratio	Lower	Upper
96	100		
61	115.4	92.0	138.0
98	66.0	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#22

Diisopropyl ether

Concen: 21.321 ug/l

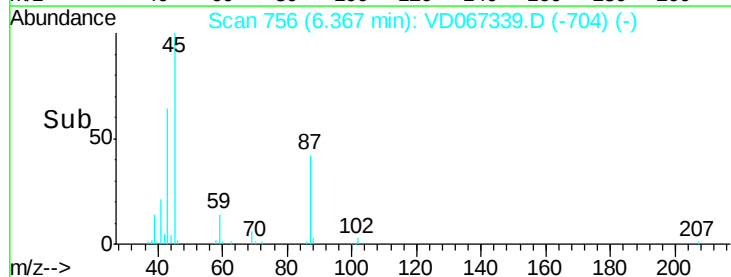
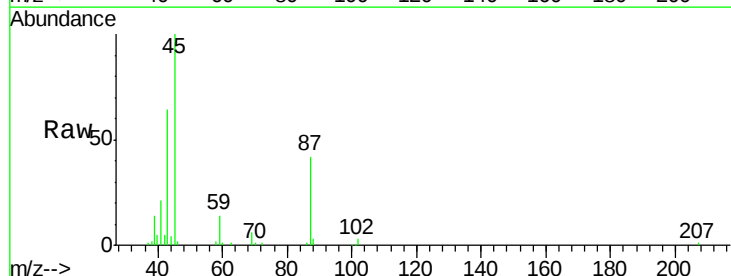
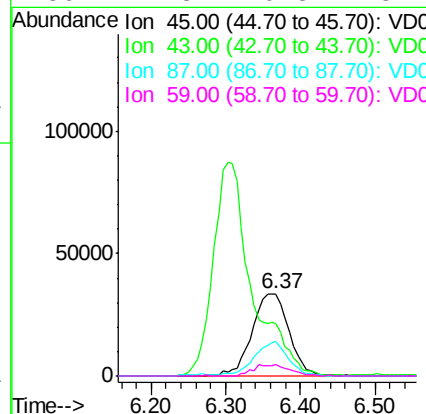
RT: 6.37 min Scan# 756

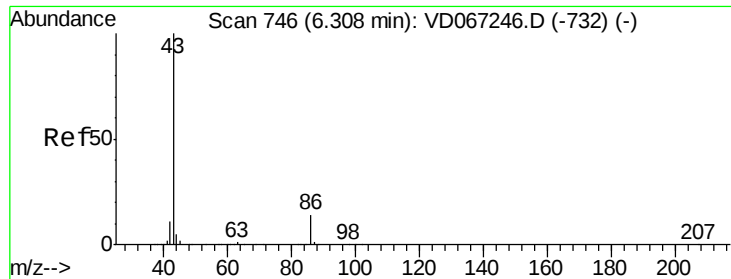
Delta R.T. 0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	45	Resp:	115848
Ion	Ratio	Lower	Upper
45	100		
43	62.4	48.0	72.0
87	41.7	28.5	42.7
59	14.3	10.5	15.7





#23

Vinyl Acetate

Concen: 101.843 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 43 Resp: 314829

Ion Ratio Lower Upper

43 100

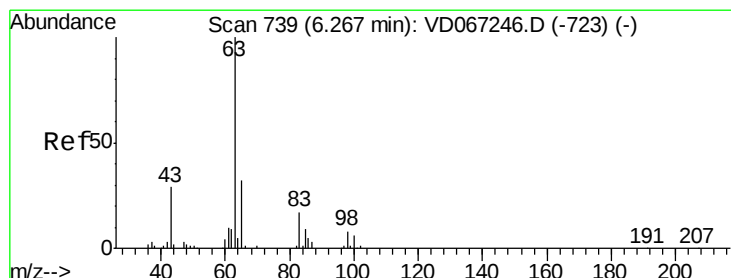
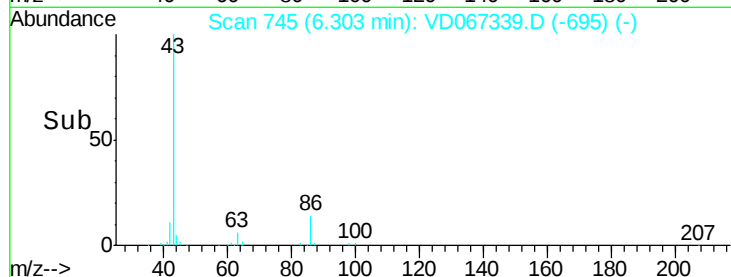
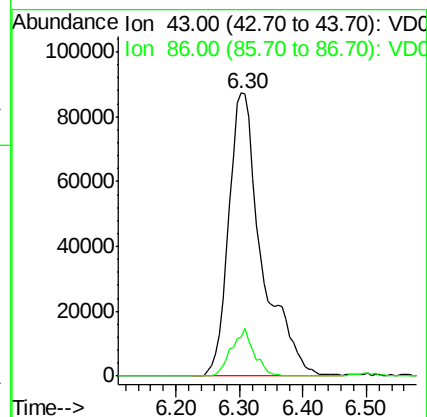
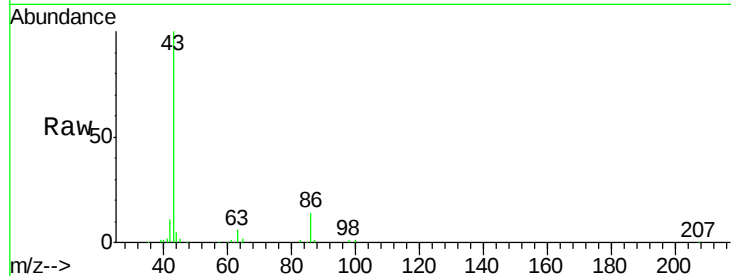
86 14.0 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

10/22/2020 5:19:13 PM



#24

1,1-Dichloroethane

Concen: 20.840 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

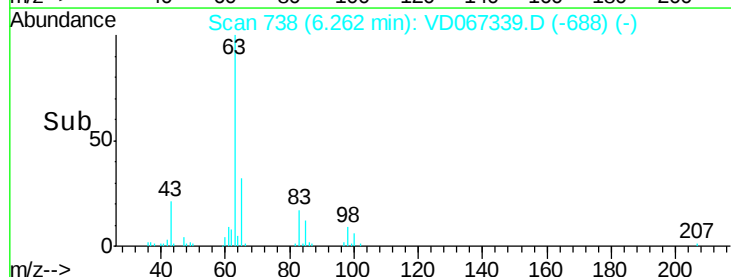
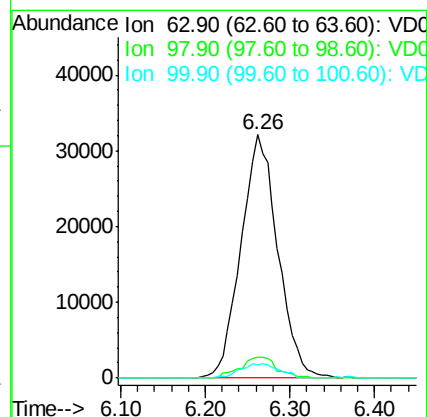
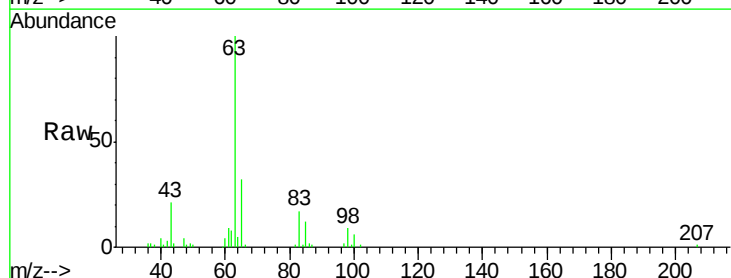
Tgt Ion: 63 Resp: 96930

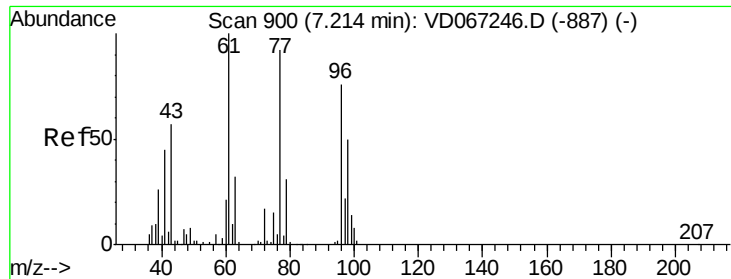
Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

100 5.6 2.8 8.4





#25

2-Butanone

Concen: 97.929 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 43 Resp: 49292

Ion Ratio Lower Upper

43 100

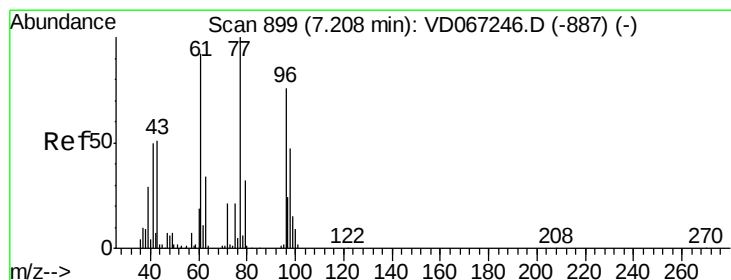
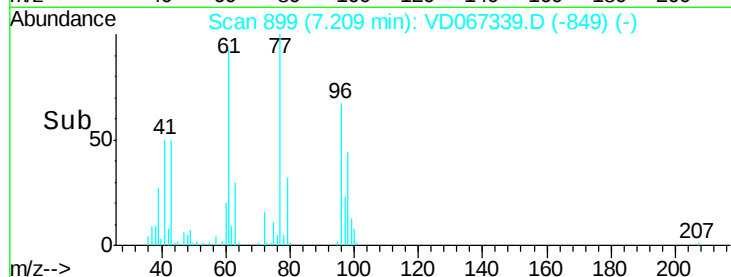
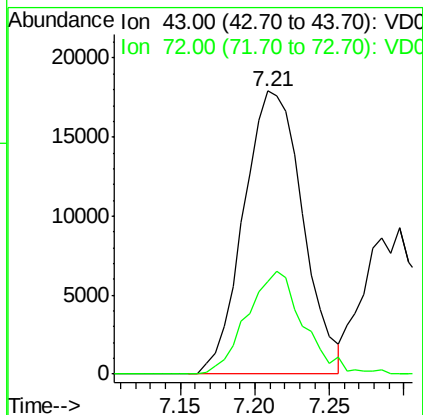
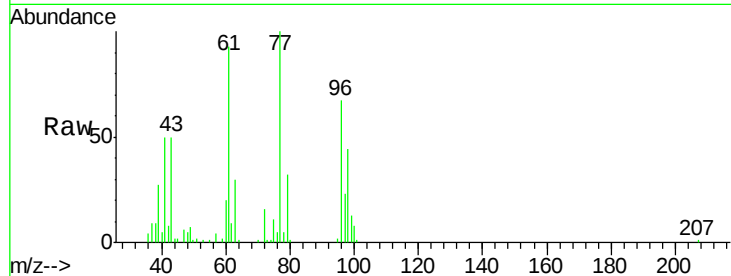
72 32.5 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/22/2020 5:19:13 PM



#26

2,2-Dichloropropane

Concen: 20.921 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067339.D

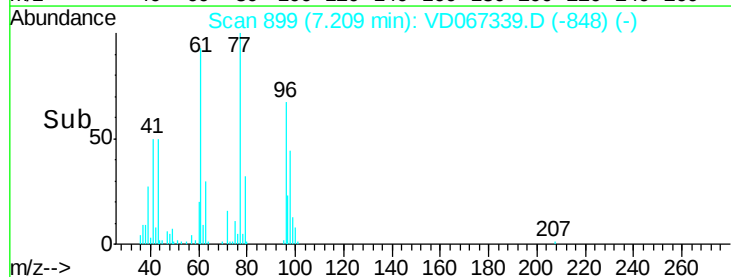
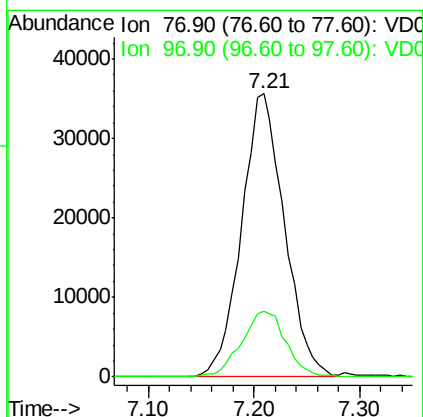
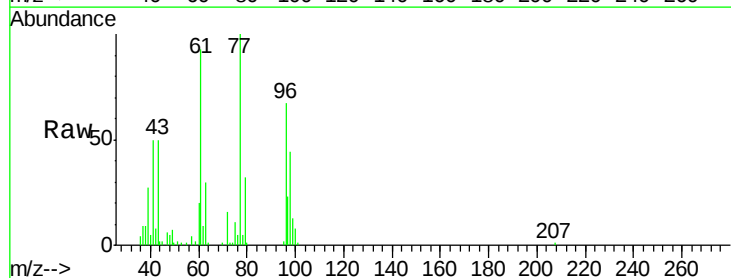
Acq: 21 Oct 2020 11:20

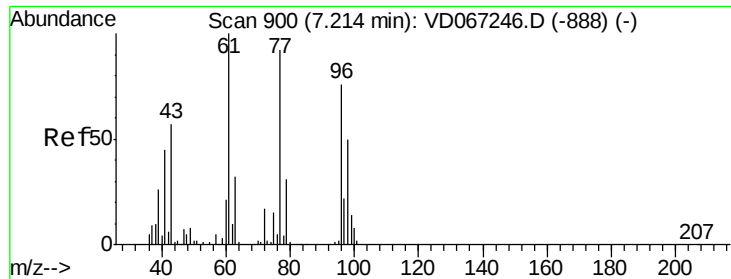
Tgt Ion: 77 Resp: 100298

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.2





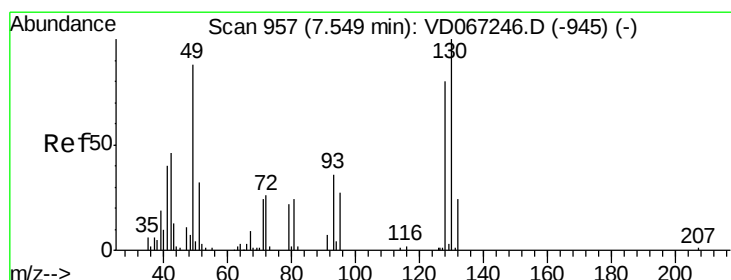
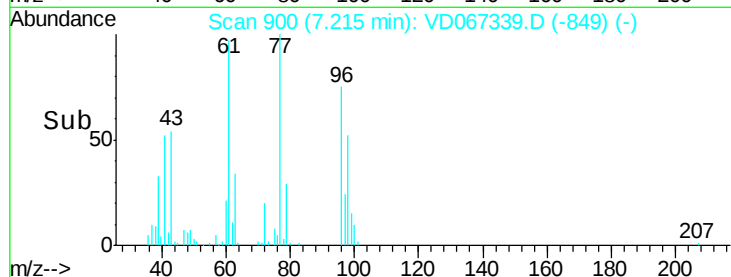
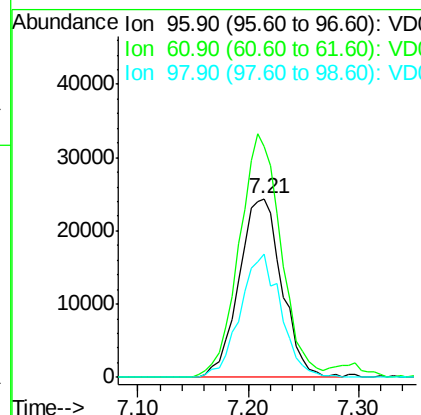
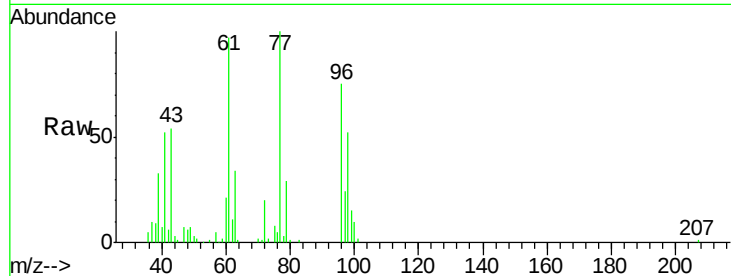
#27
 cis-1,2-Dichloroethene
 Concen: 20.310 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	255.4
98	65.6	0.0	128.0

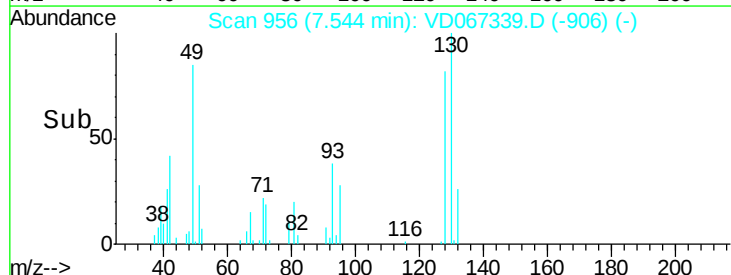
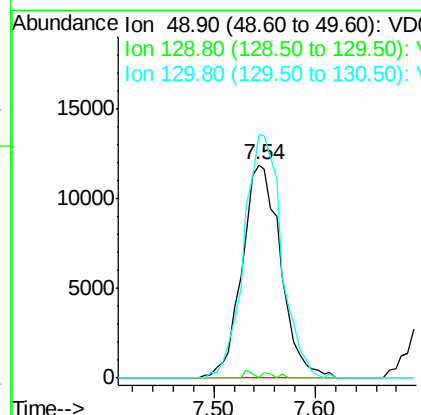
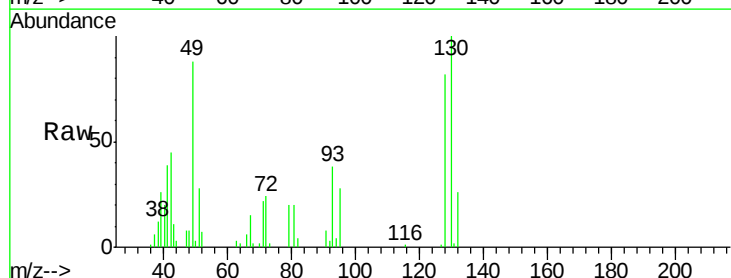
Manual Integrations
 APPROVED

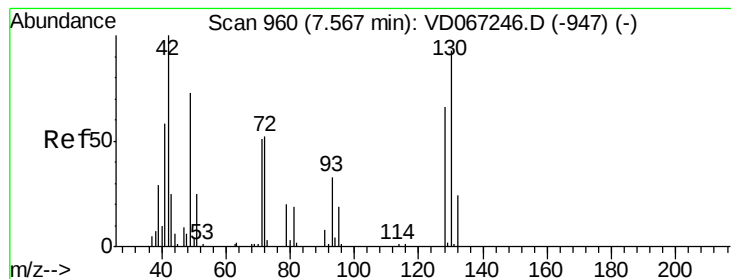
MMDadoda
 10/22/2020 5:19:13 PM



#28
 Bromochloromethane
 Concen: 19.836 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	1.6
130	111.2	91.0	136.6





#29

Tetrahydrofuran

Concen: 104.511 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

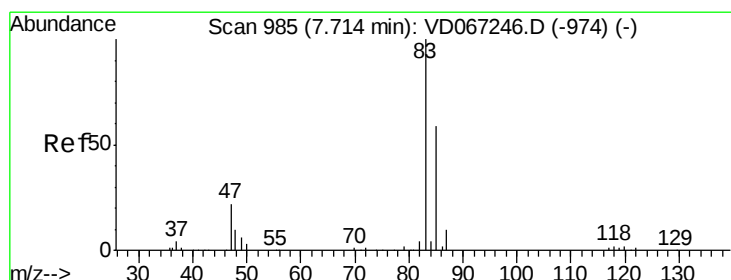
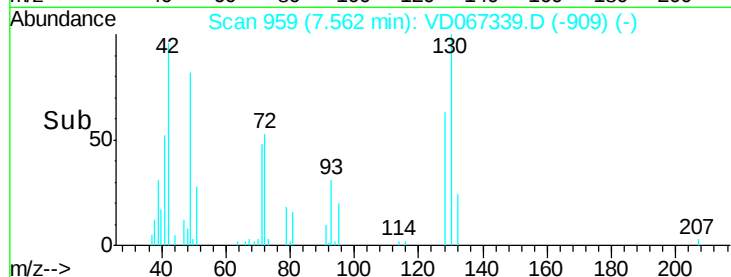
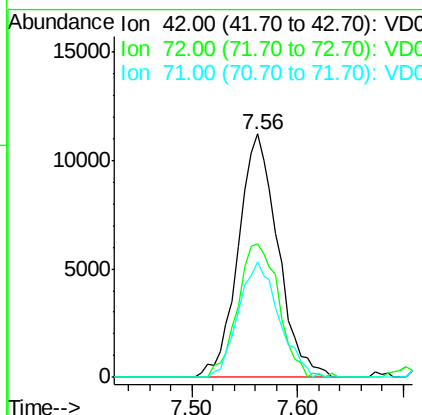
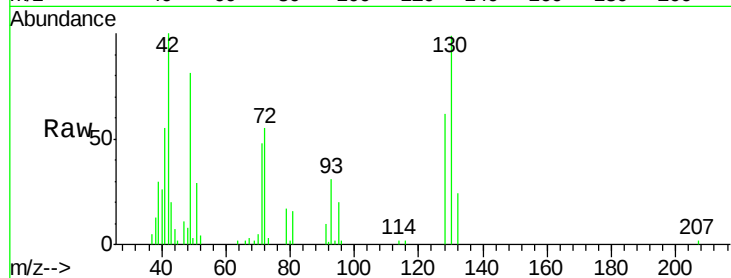
ClientSampleId :

VD1021SBS01

Tot Ion:	42	Resp:	29242
Ion	Ratio	Lower	Upper
42	100		
72	56.5	43.2	64.8
71	48.3	39.4	59.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#30

Chloroform

Concen: 21.129 ug/l

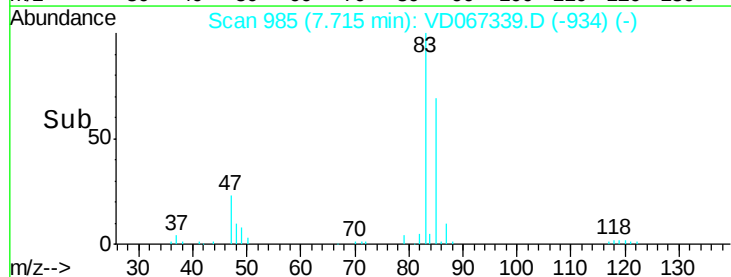
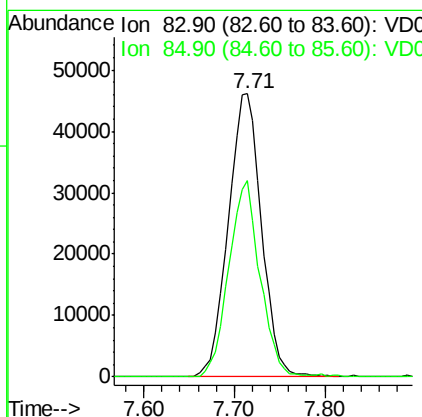
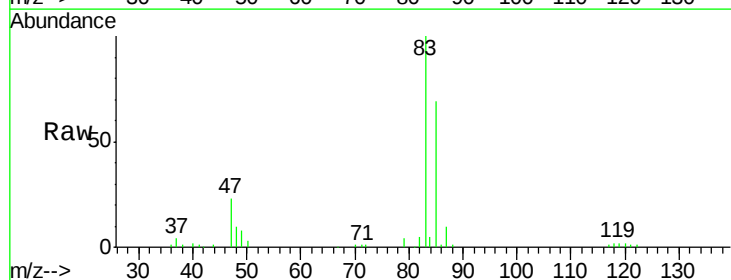
RT: 7.71 min Scan# 985

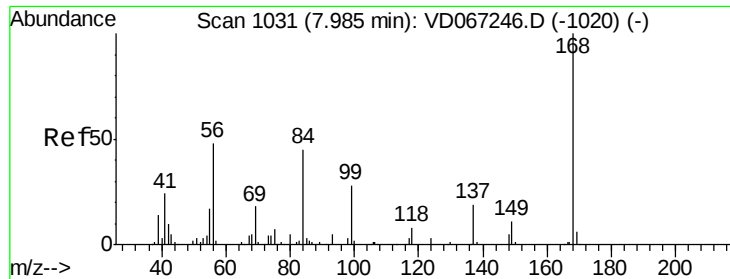
Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	83	Resp:	117403
Ion	Ratio	Lower	Upper
83	100		
85	69.4	47.3	70.9





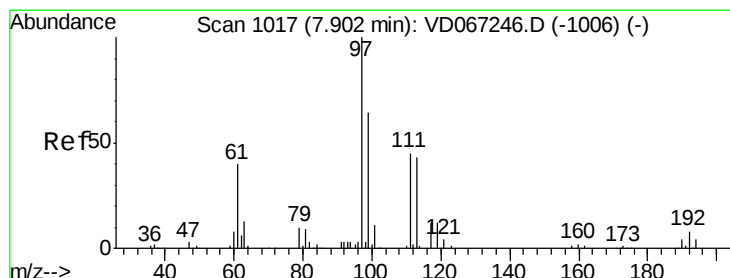
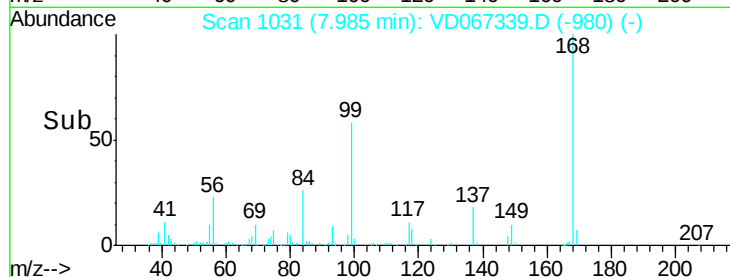
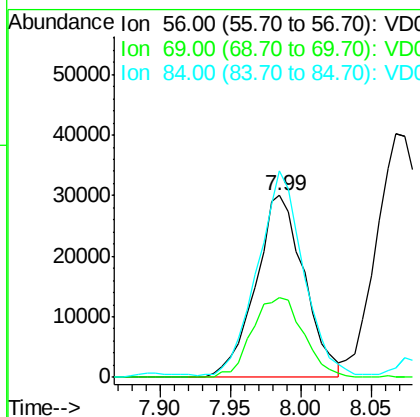
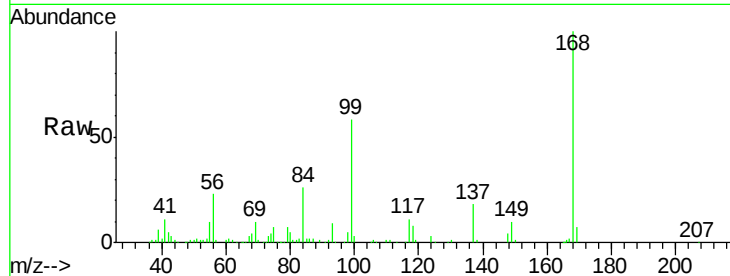
#31
Cyclohexane
Concen: 19.920 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	56	Resp	72341
Ion Ratio	100	Lower	Upper
56	100		
69	43.9	29.8	44.6
84	111.5	76.6	114.8

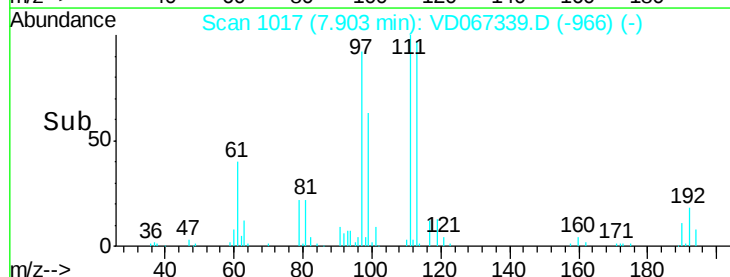
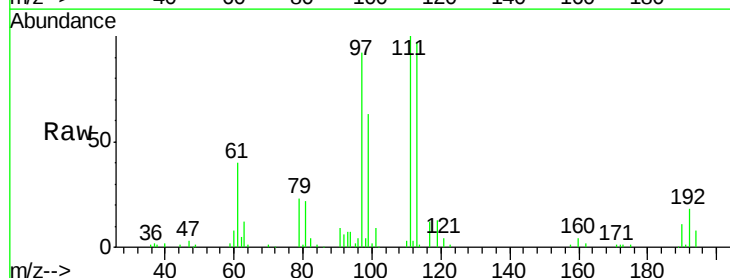
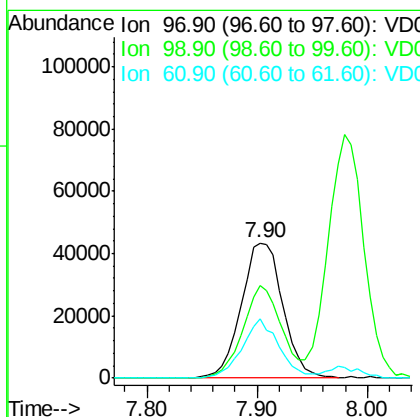
Manual Integrations
APPROVED

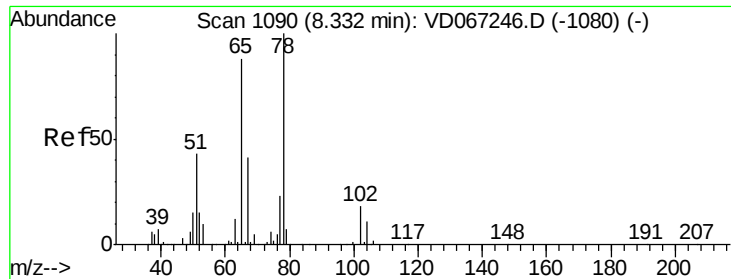
MMDadoda
10/22/2020 5:19:13 PM



#32
1,1,1-Trichloroethane
Concen: 21.038 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	97	Resp	114695
Ion Ratio	100	Lower	Upper
97	100		
99	64.8	50.2	75.4
61	39.2	30.5	45.7





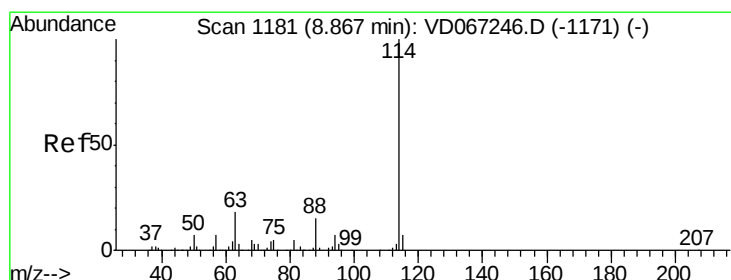
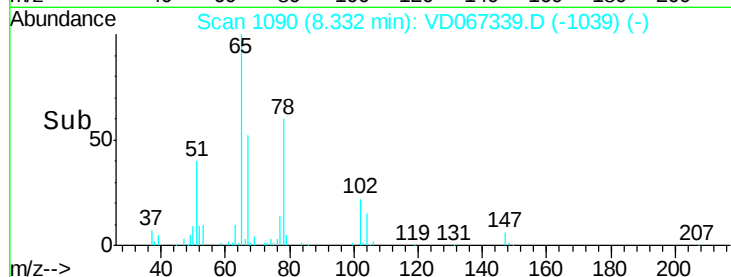
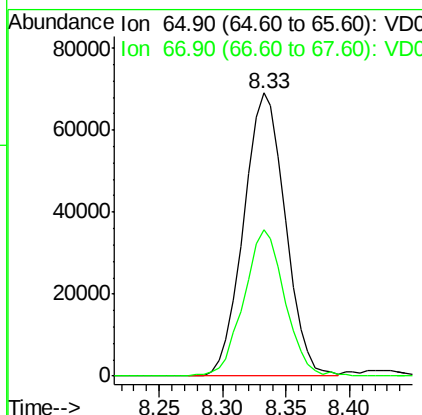
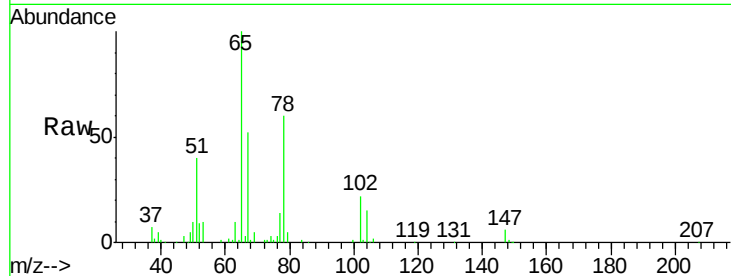
#33
 1,2-Dichloroethane-d4
 Concen: 50.109 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	103.8

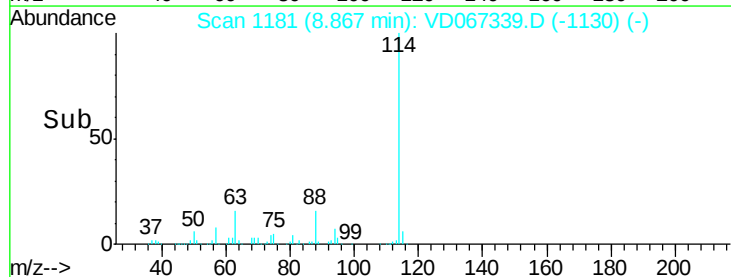
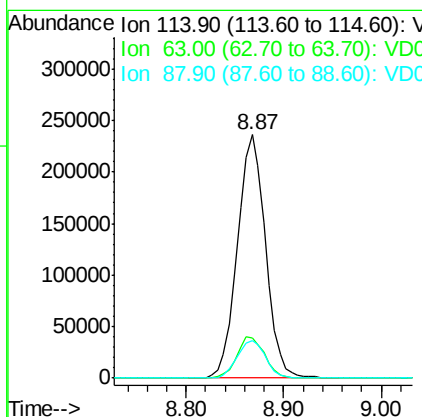
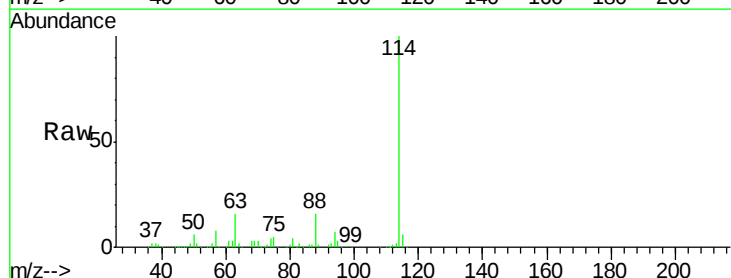
Manual Integrations
 APPROVED

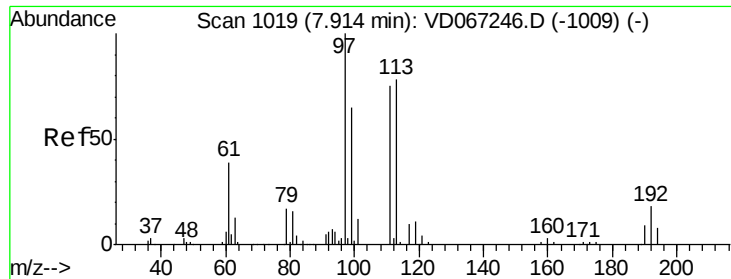
MMDadoda
 10/22/2020 5:19:13 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.5	0.0	35.0
88	15.5	0.0	30.6





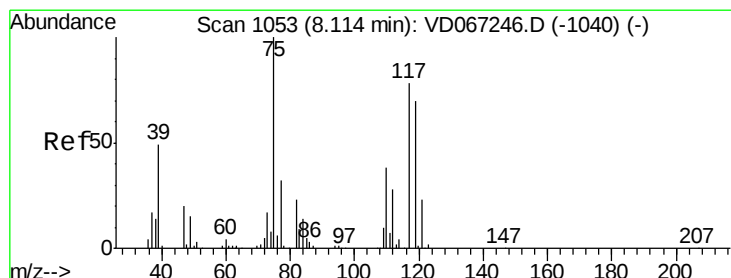
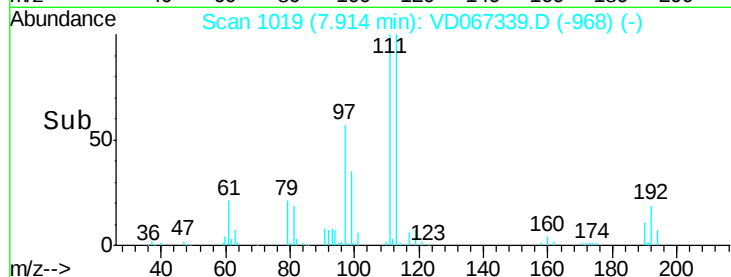
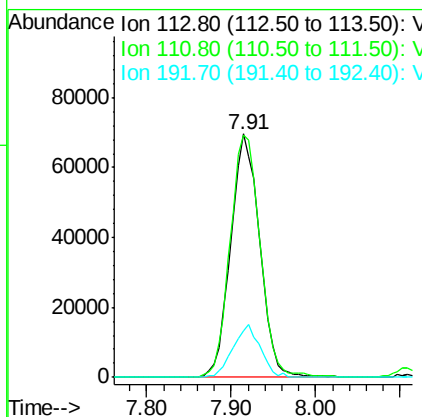
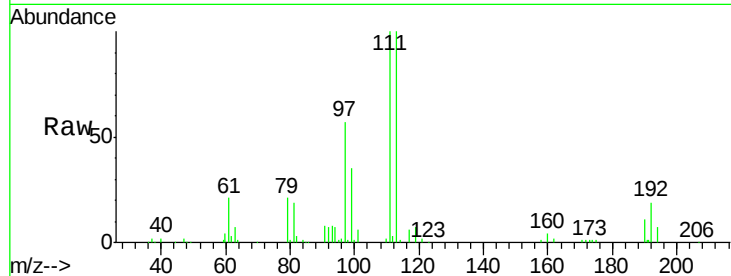
#35
Dibromofluoromethane
Concen: 52.028 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	164428		
111	103.2	81.6	122.4	
192	20.6	17.0	25.4	

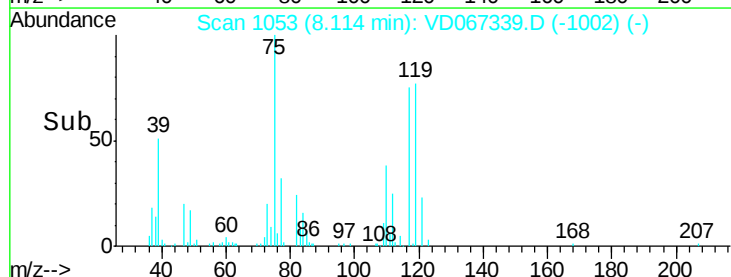
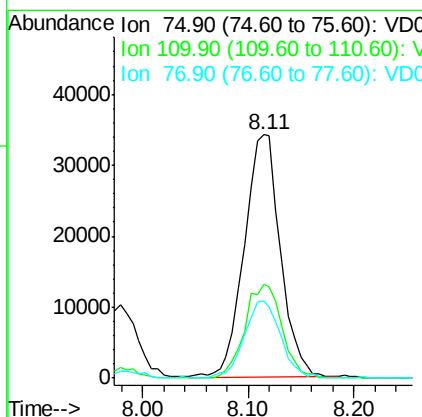
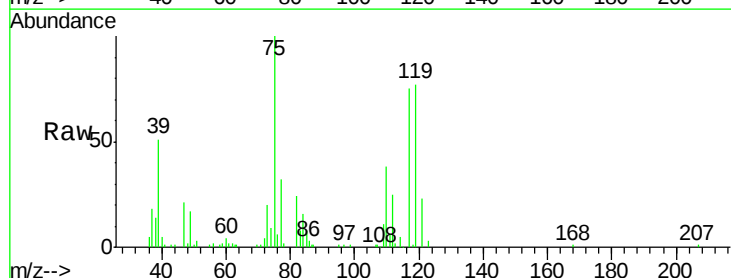
Manual Integrations
APPROVED

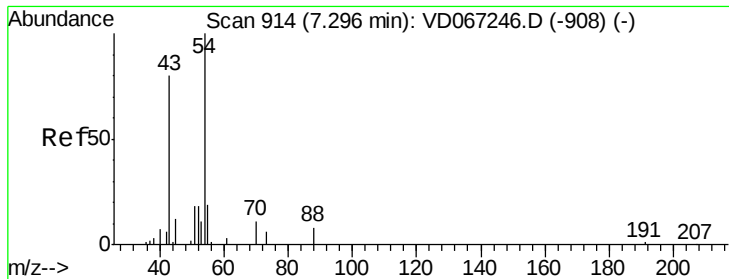
MMDadoda
10/22/2020 5:19:13 PM



#36
1,1-Dichloropropene
Concen: 20.252 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81513		
110	39.4	19.6	58.7	
77	31.8	24.6	37.0	





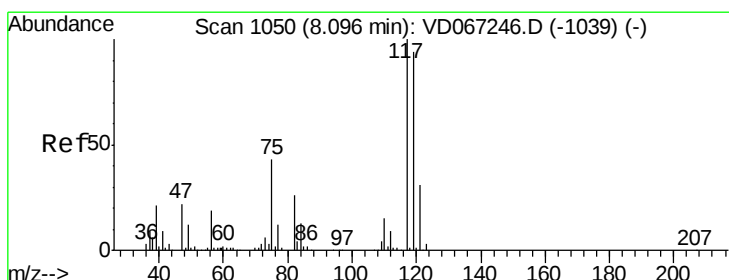
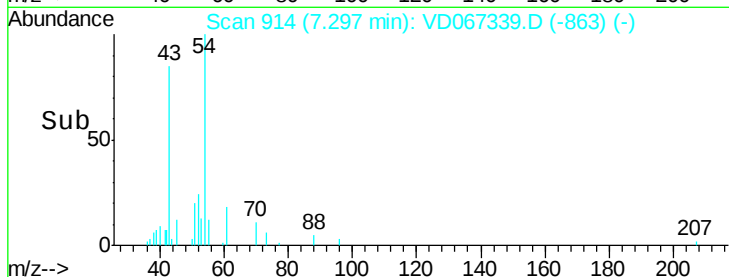
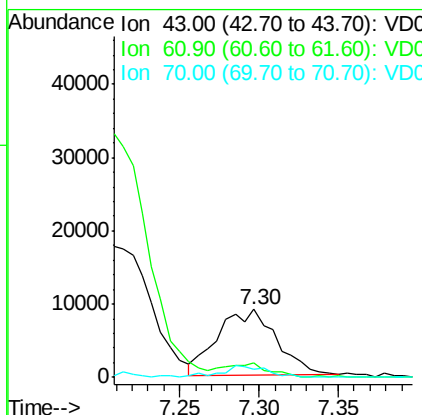
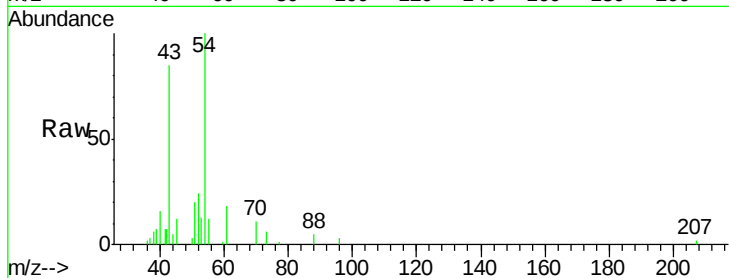
#37
Ethyl Acetate
Concen: 19.632 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	15.6	23.4
70	13.8	10.4	15.6

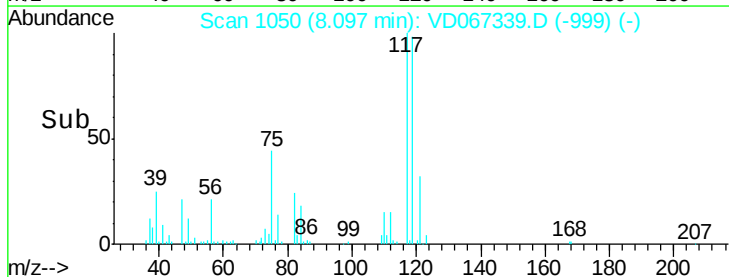
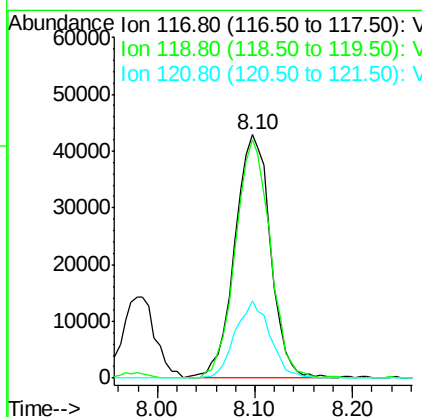
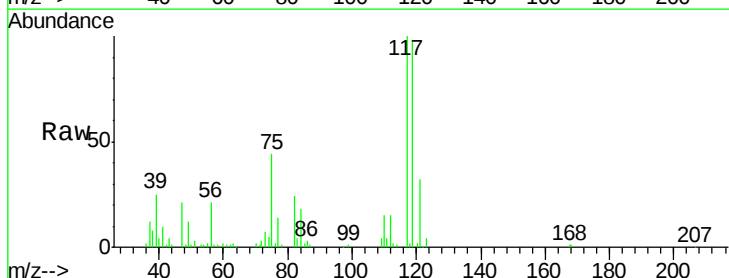
Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#38
Carbon Tetrachloride
Concen: 21.255 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	75.0	112.4
121	31.5	24.9	37.3





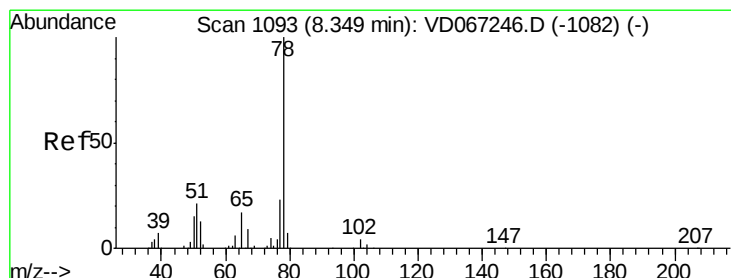
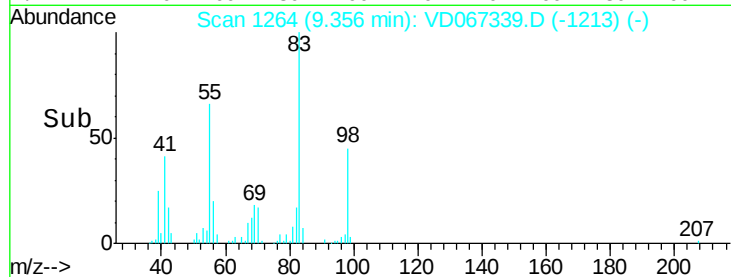
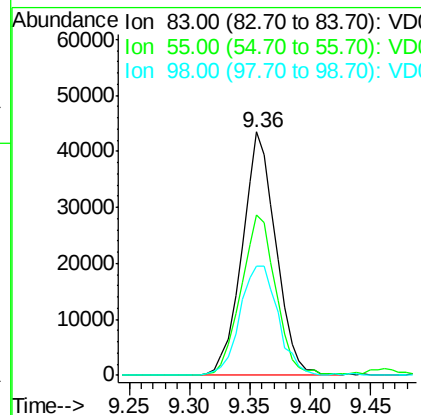
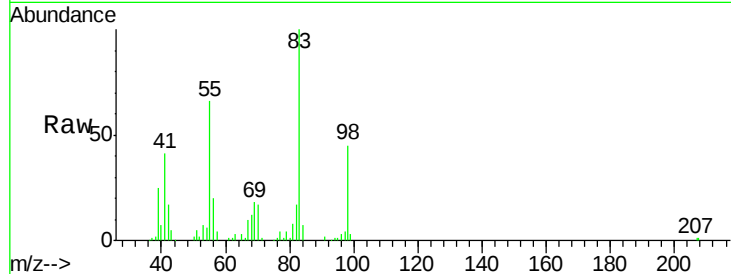
#39
Methvlcvclohexane
Concen: 20.134 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.9	53.3	79.9
98	45.0	41.0	61.4

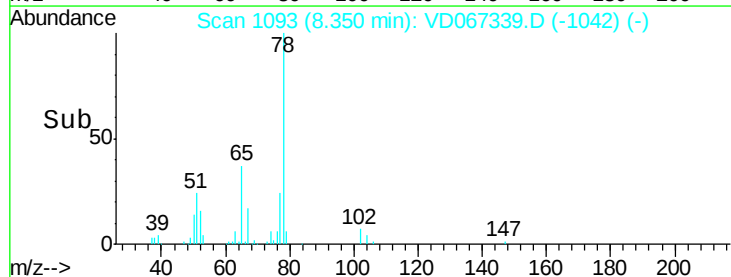
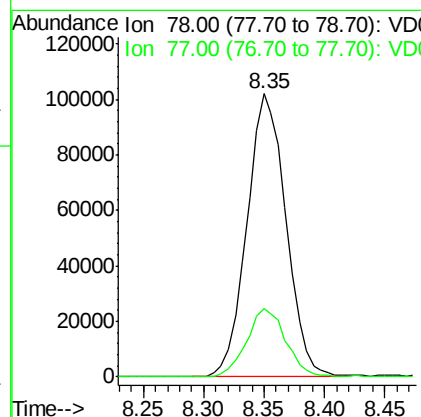
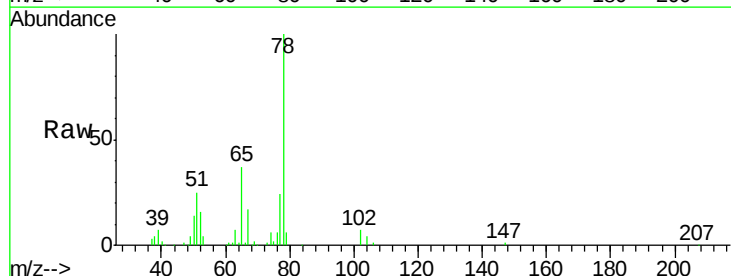
Manual Integrations
APPROVED

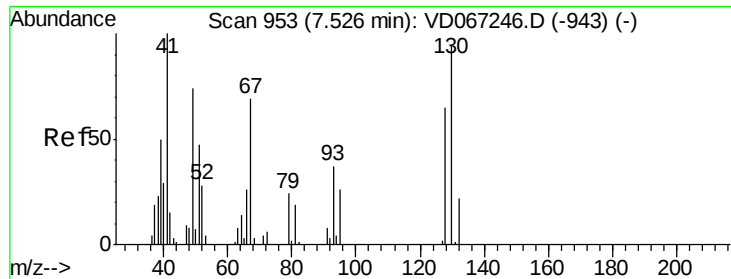
MMDadoda
10/22/2020 5:19:13 PM



#40
Benzene
Concen: 20.784 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5





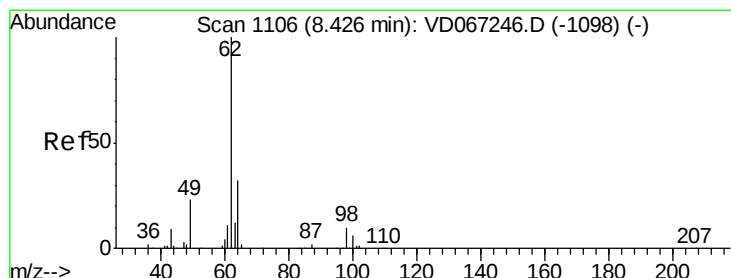
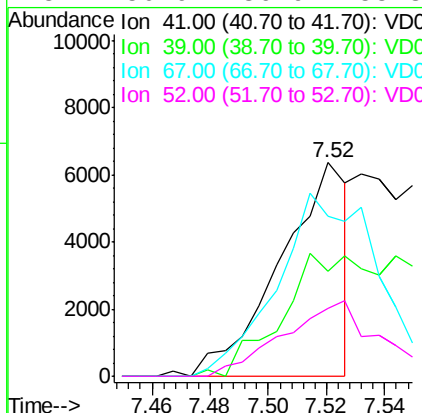
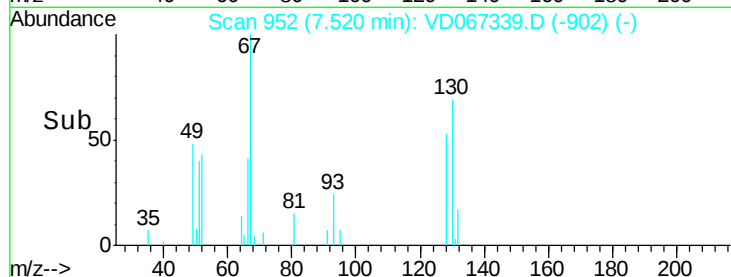
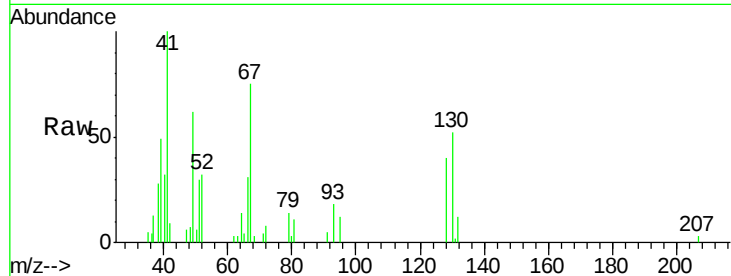
#41
Methacrylonitrile
Concen: 16.135 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion:	41	Resp:	10325
Ion	Ratio	Lower	Upper
41	100		
39	76.8	60.0	90.0
67	128.8	88.9	133.3
52	50.9	36.9	55.3

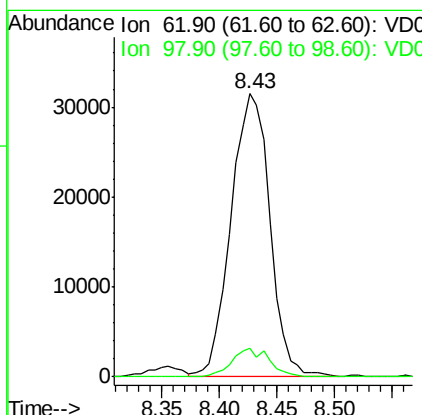
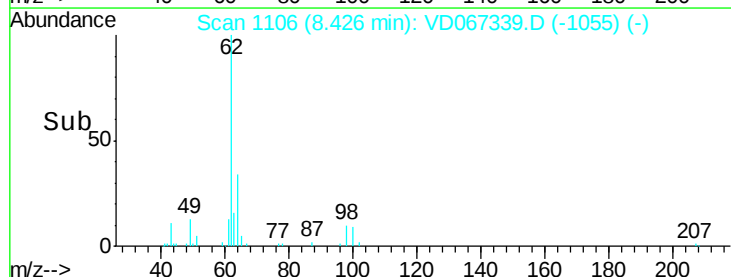
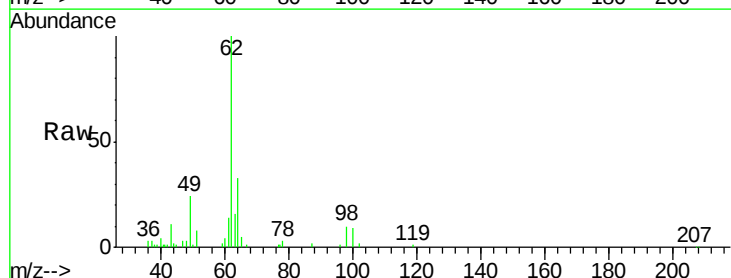
Manual Integrations
APPROVED

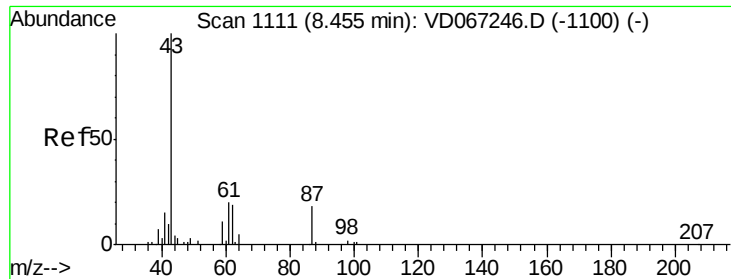
MMDadoda
10/22/2020 5:19:13 PM



#42
1,2-Dichloroethane
Concen: 21.331 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion:	62	Resp:	73710
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





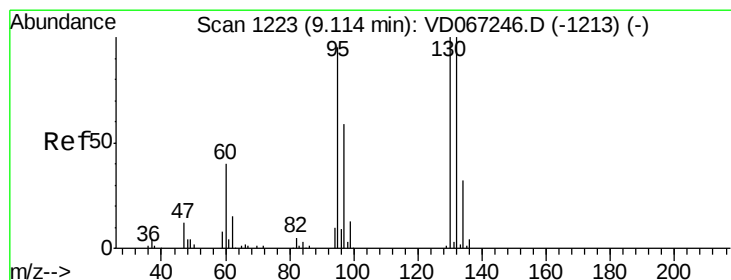
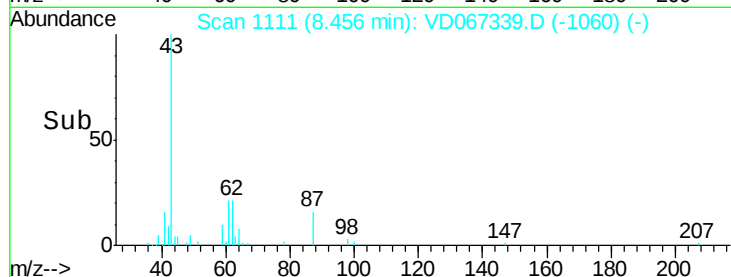
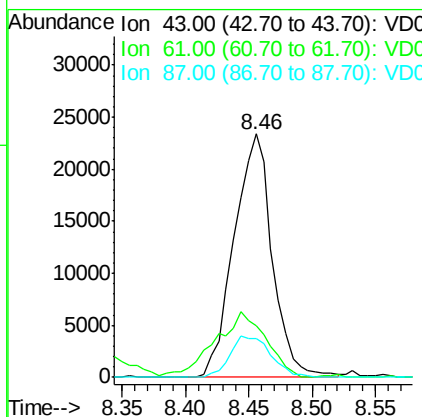
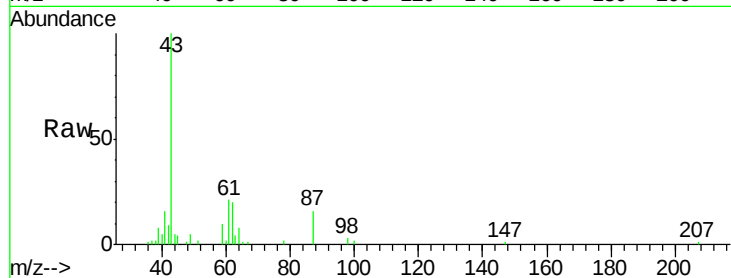
#43
Isopropyl Acetate
Concen: 20.858 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.1	29.5	44.3
87	18.1	14.2	21.4

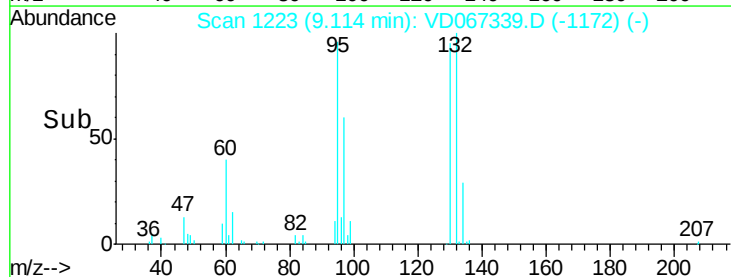
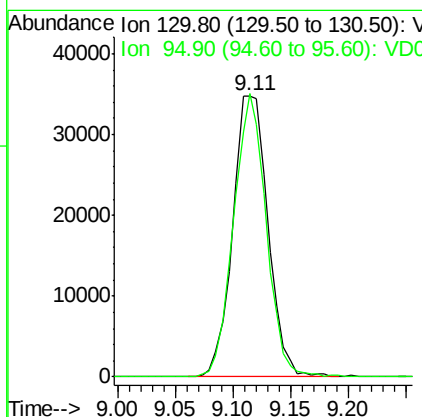
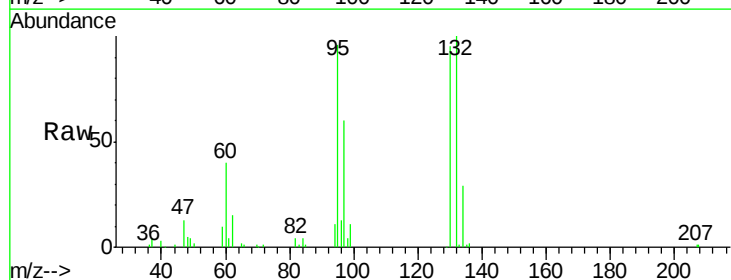
Manual Integrations
APPROVED

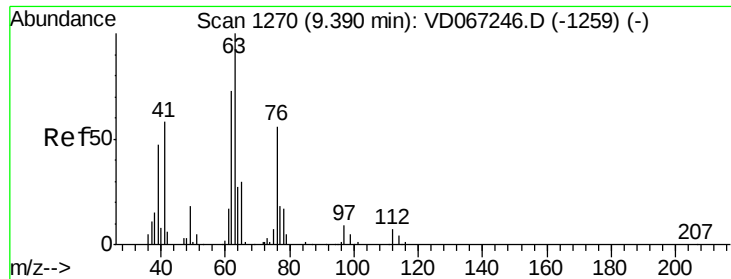
MMDadoda
10/22/2020 5:19:13 PM



#44
Trichloroethene
Concen: 20.846 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	190.6





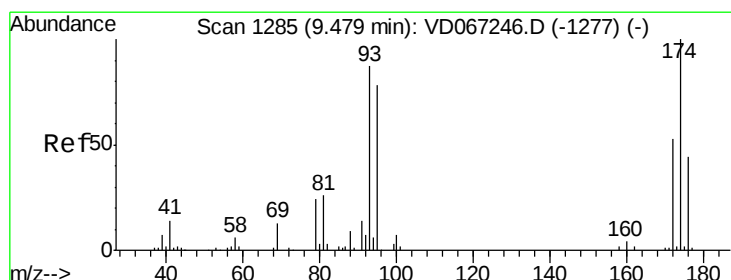
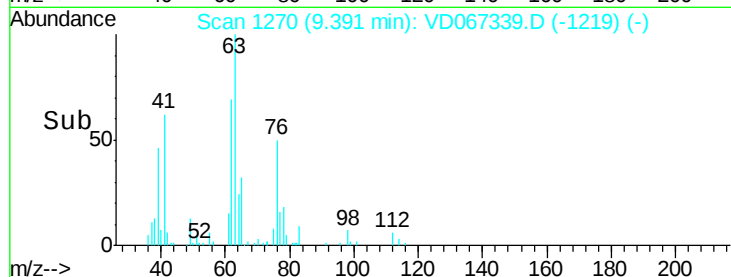
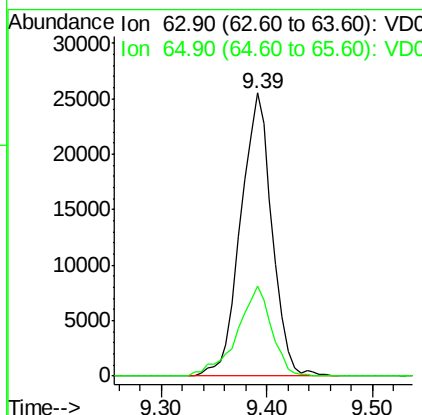
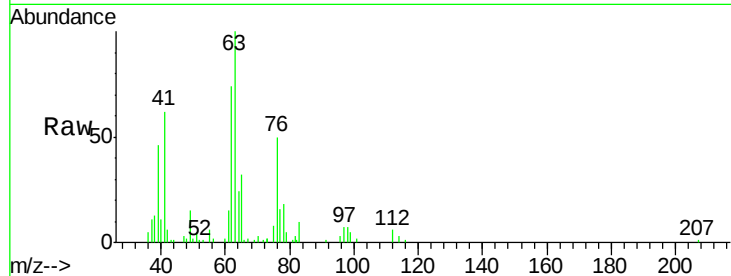
#45
 1,2-Dichloropropane
 Concen: 20.534 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	63	Resp	52547
Ion Ratio	Lower	Upper	
63	100		
65	31.9	24.6	36.8

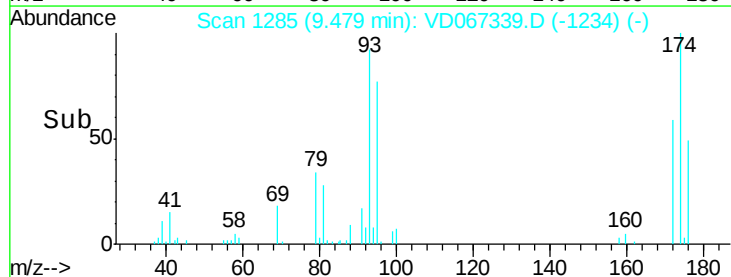
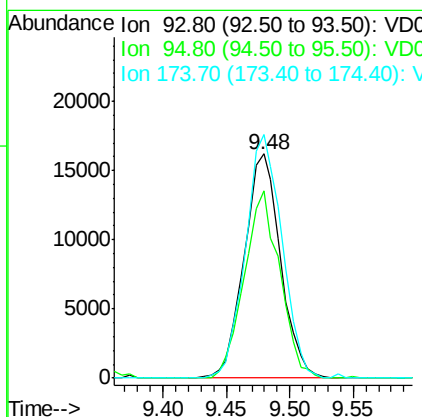
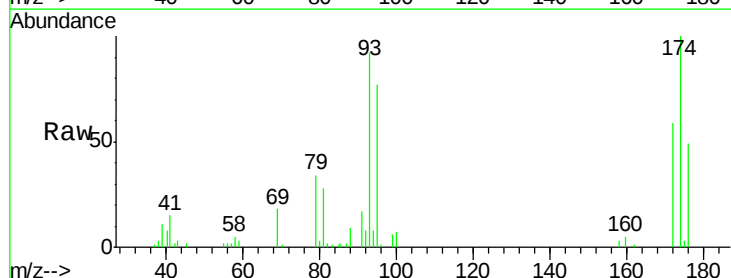
Manual Integrations
 APPROVED

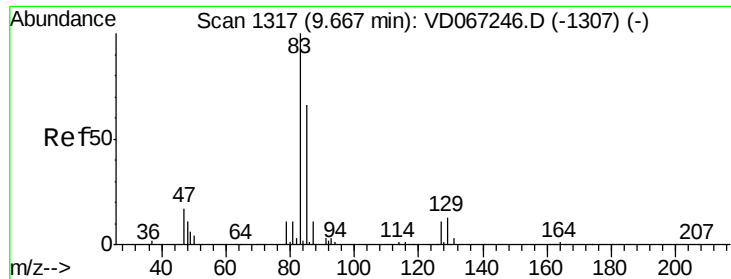
MMDadoda
 10/22/2020 5:19:13 PM



#46
 Dibromomethane
 Concen: 20.335 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	93	Resp	32422
Ion Ratio	Lower	Upper	
93	100		
95	81.3	68.0	102.0
174	108.9	91.8	137.6





#47

Bromodichloromethane

Concen: 20.831 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

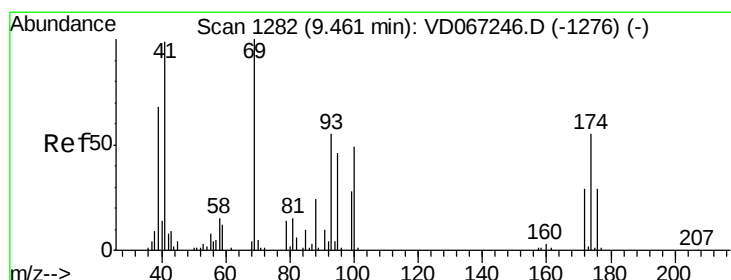
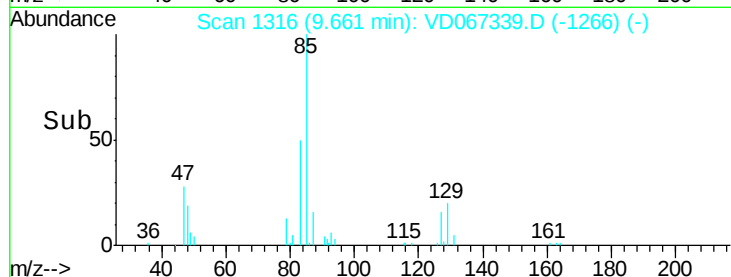
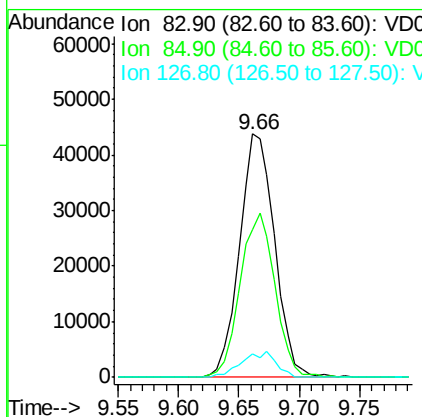
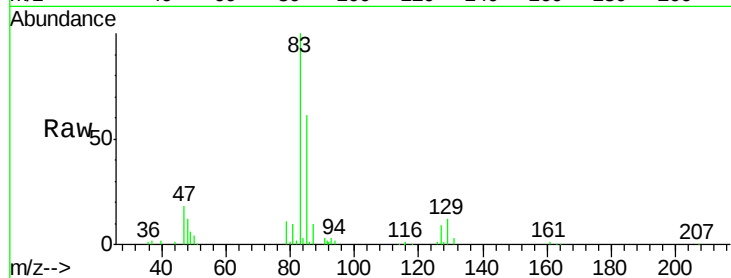
ClientSampleId :

VD1021SBS01

Tot Ion:	83	Resp:	88987
Ion	Ratio	Lower	Upper
83	100		
85	60.8	53.1	79.7
127	9.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#48

Methyl methacrylate

Concen: 18.571 ug/l

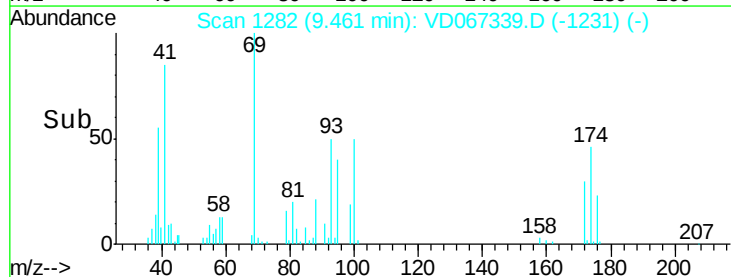
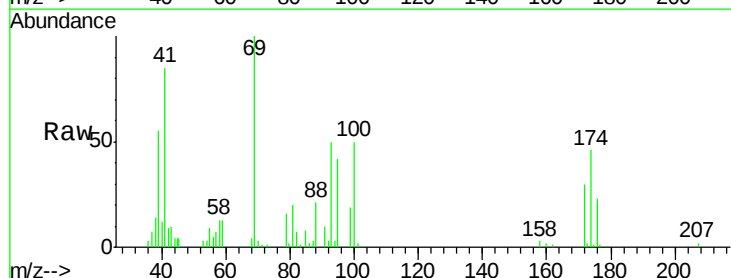
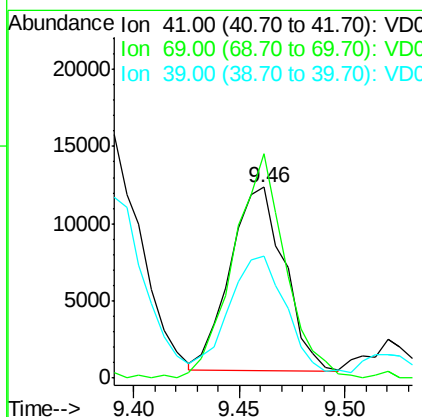
RT: 9.46 min Scan# 1282

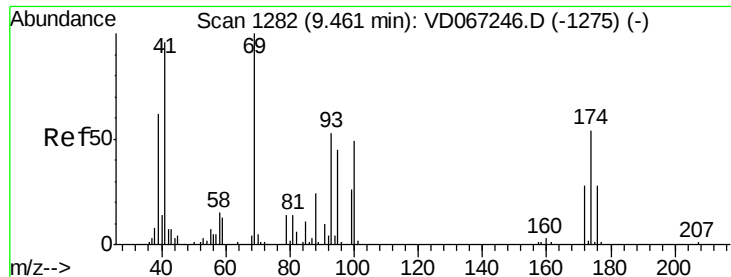
Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	41	Resp:	21206
Ion	Ratio	Lower	Upper
41	100		
69	117.6	89.0	133.6
39	73.5	60.2	90.2





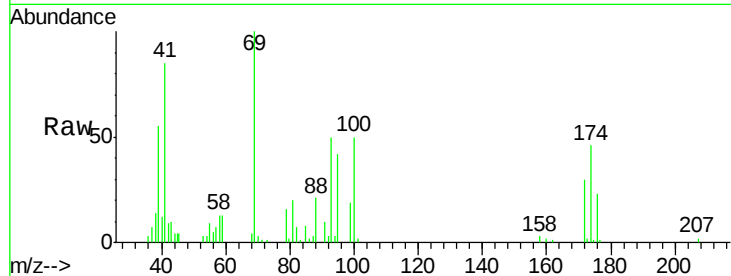
#49
1,4-Dioxane
Concen: 359.558 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

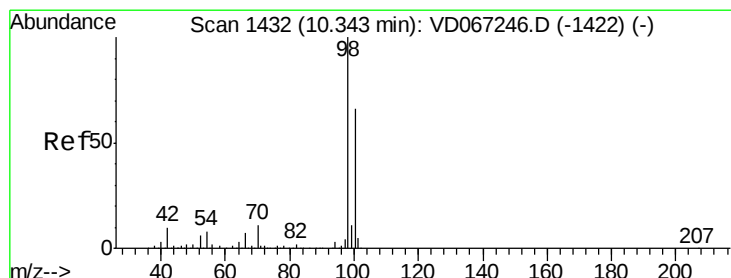
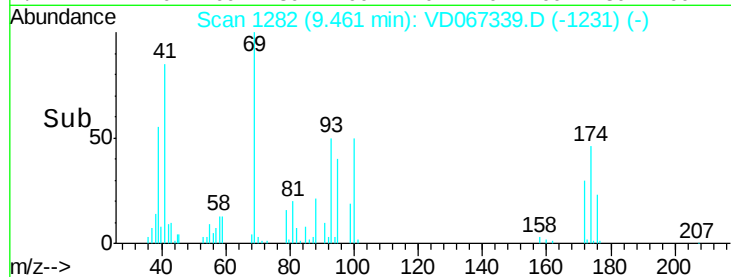
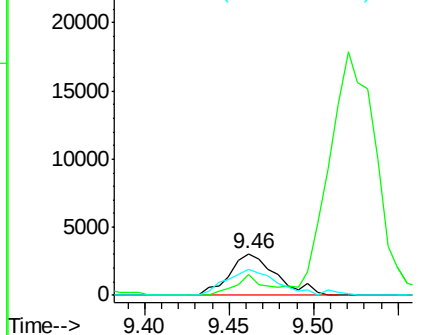
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	23.9	35.9
58	66.0	51.0	76.6

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM

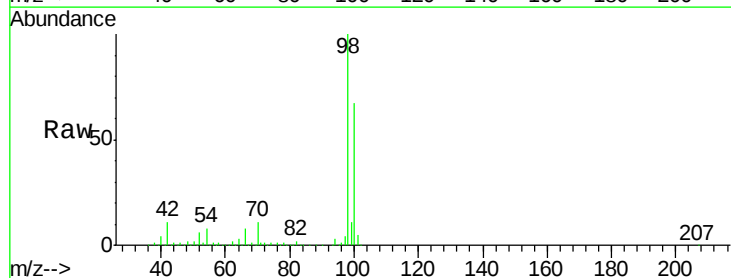


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

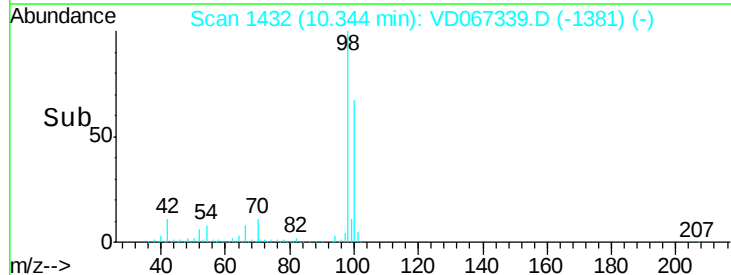
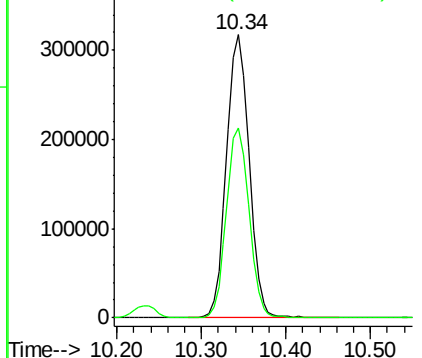


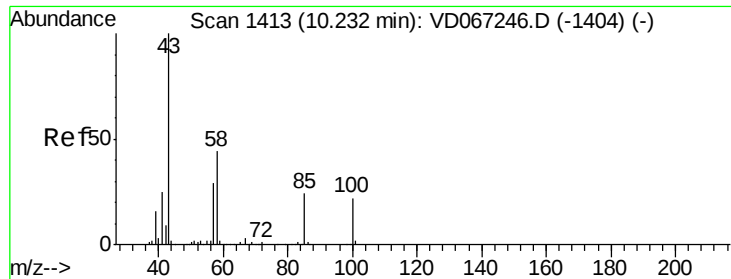
#50
Toluene-d8
Concen: 51.368 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.1	79.7



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





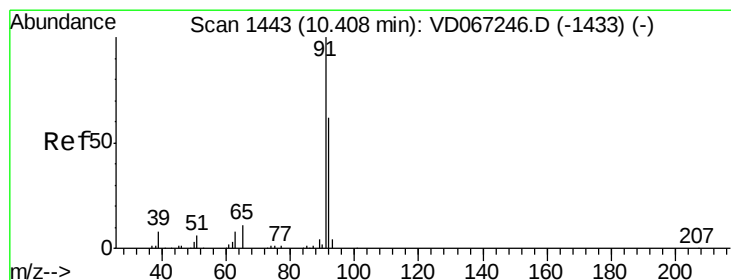
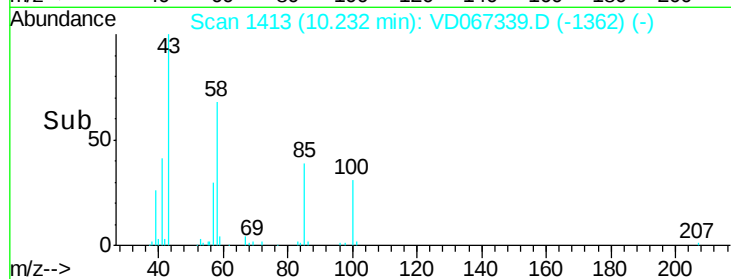
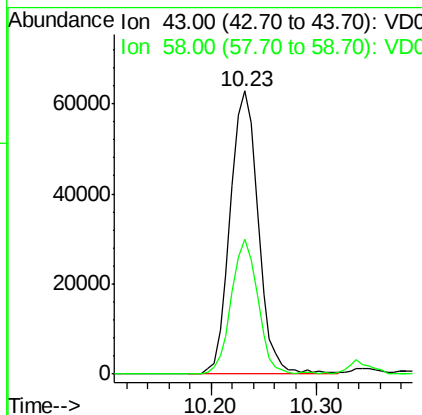
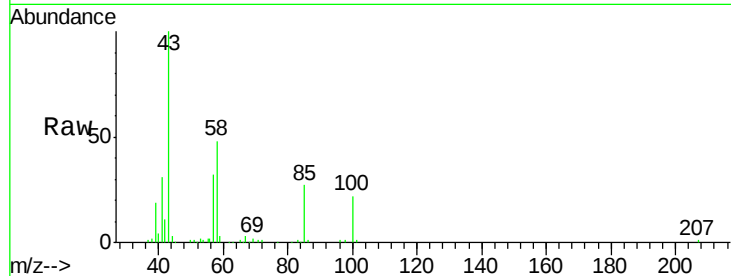
#51
4-Methyl-2-Pentanone
Concen: 98.630 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 43 Resp: 115594
Ion Ratio Lower Upper
43 100
58 44.7 35.7 53.5

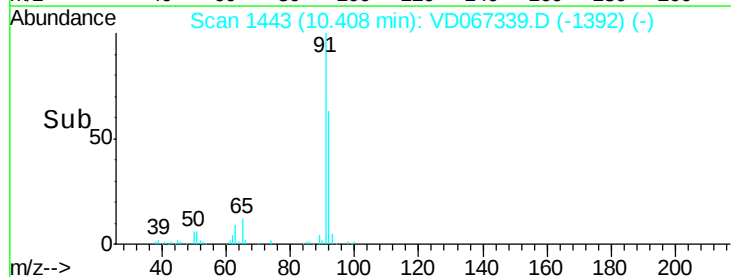
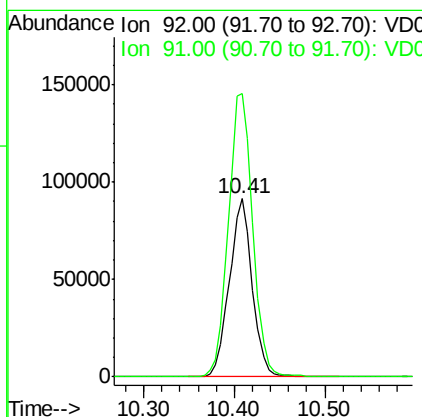
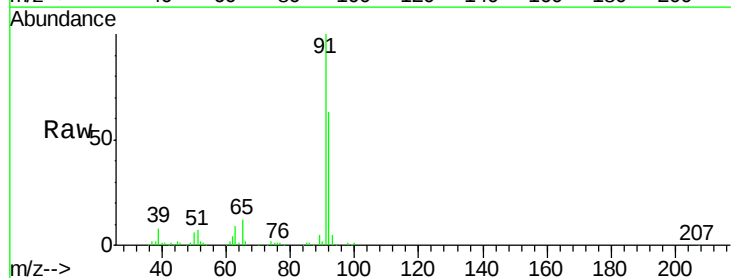
Manual Integrations
APPROVED

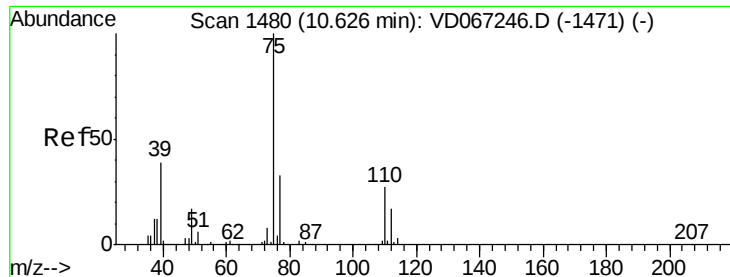
MMDadoda
10/22/2020 5:19:13 PM



#52
Toluene
Concen: 21.364 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 92 Resp: 160671
Ion Ratio Lower Upper
92 100
91 168.5 133.8 200.8





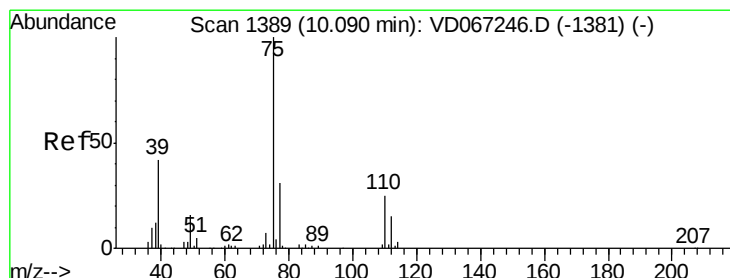
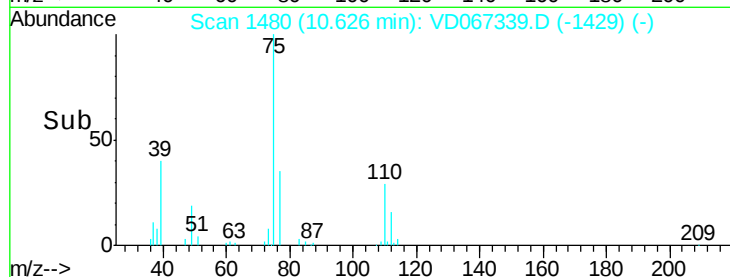
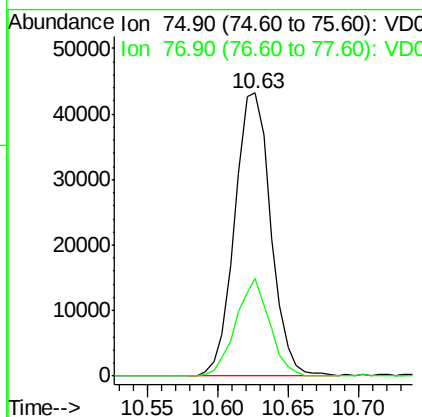
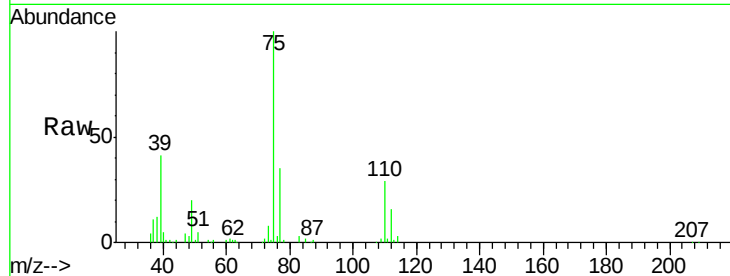
#53
t-1,3-Dichloropropene
Concen: 20.622 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 75 Resp: 77387
Ion Ratio Lower Upper
75 100
77 34.6 26.5 39.7

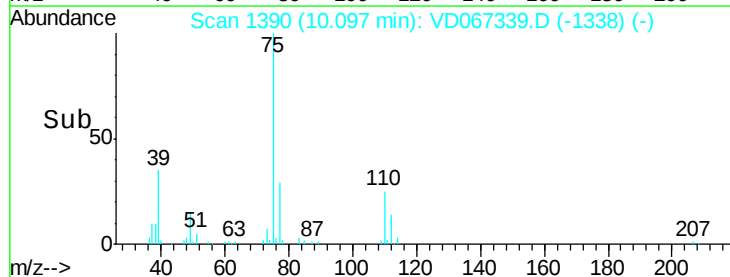
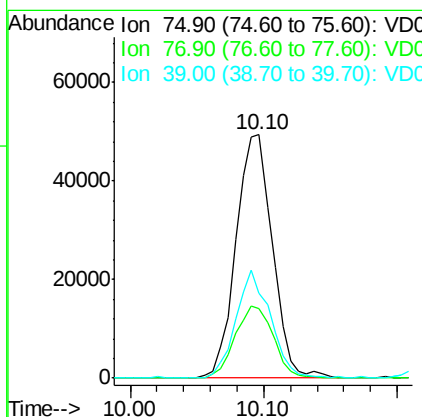
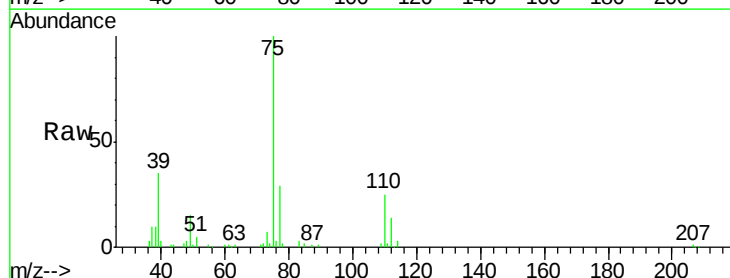
Manual Integrations
APPROVED

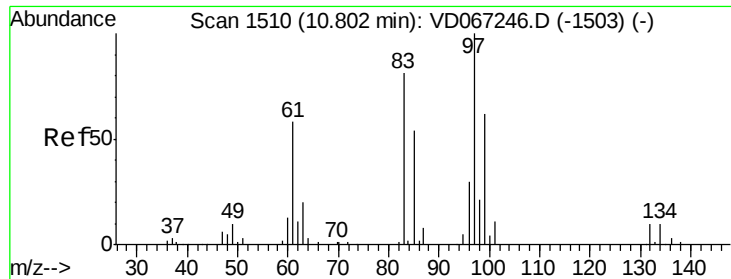
MMDadoda
10/22/2020 5:19:13 PM



#54
cis-1,3-Dichloropropene
Concen: 21.223 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 75 Resp: 93205
Ion Ratio Lower Upper
75 100
77 28.6 24.5 36.7
39 34.9 33.7 50.5





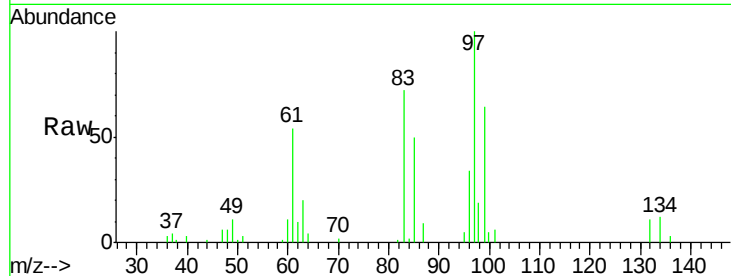
#55
 1,1,2-Trichloroethane
 Concen: 20.981 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

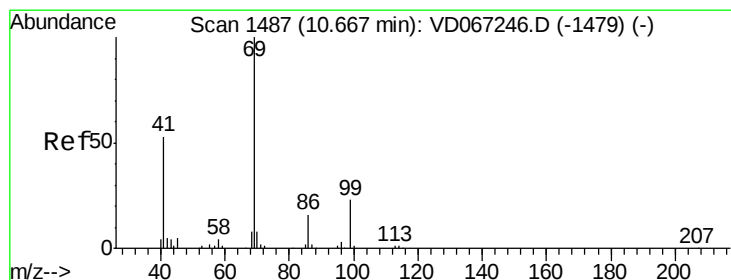
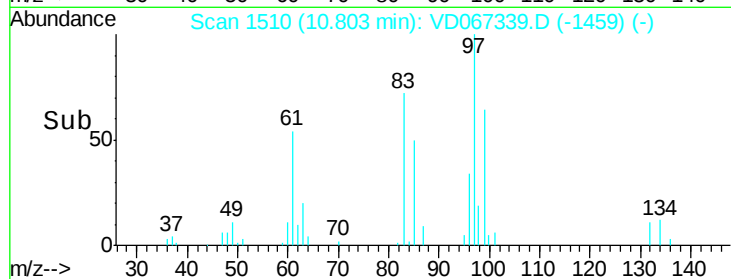
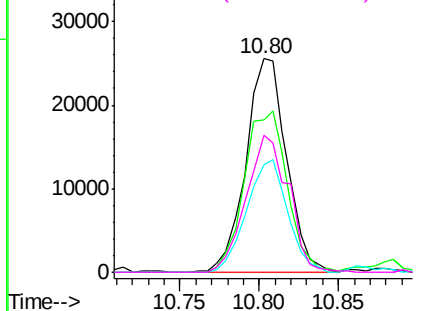
Tot Ion	97	Resp	45618
Ion	Ratio	Lower	Upper
97	100		
83	71.6	64.9	97.3
85	50.4	43.3	64.9
99	63.9	49.1	73.7

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 5:19:13 PM

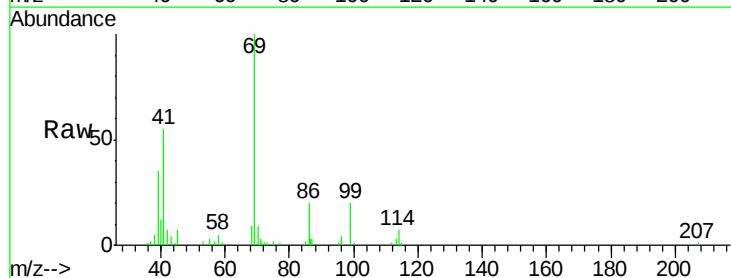


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

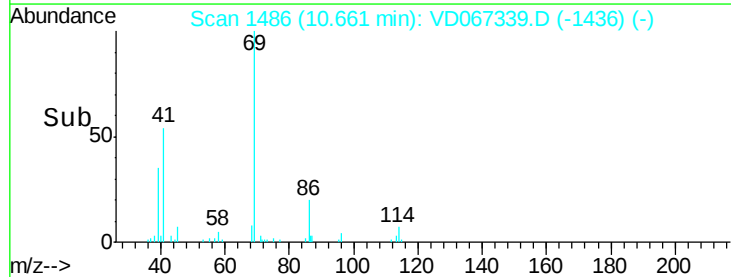
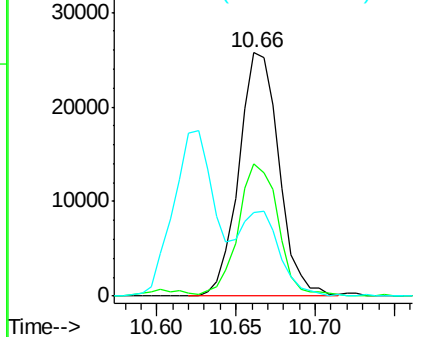


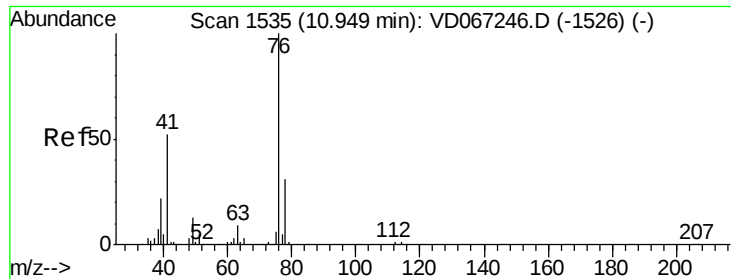
#56
 Ethyl methacrylate
 Concen: 20.059 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	69	Resp	45232
Ion	Ratio	Lower	Upper
69	100		
41	54.4	44.7	67.1
39	31.7	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





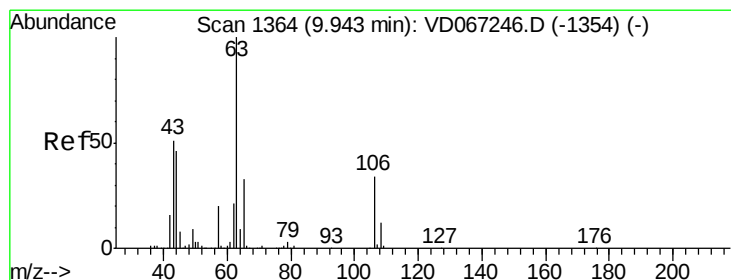
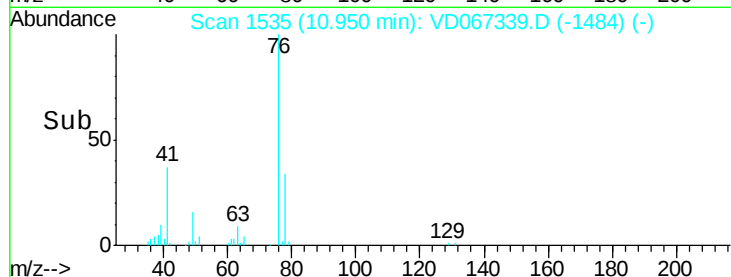
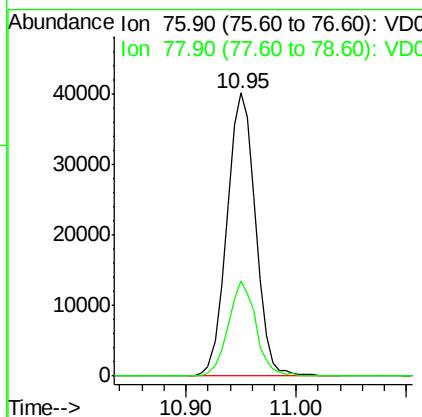
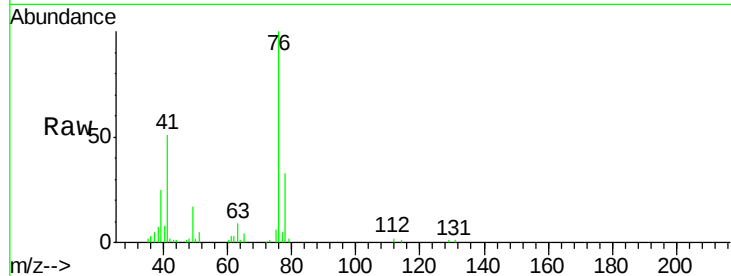
#57
 1,3-Dichloropropane
 Concen: 21.009 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion: 76 Resp: 72692
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.8 40.2

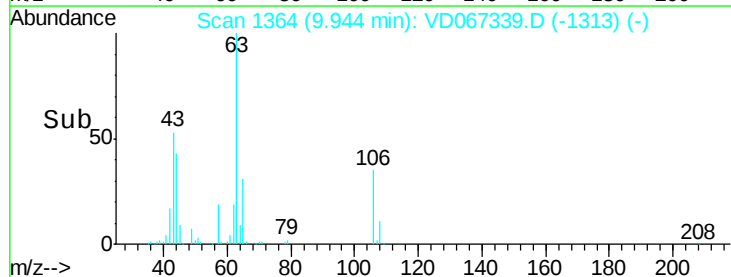
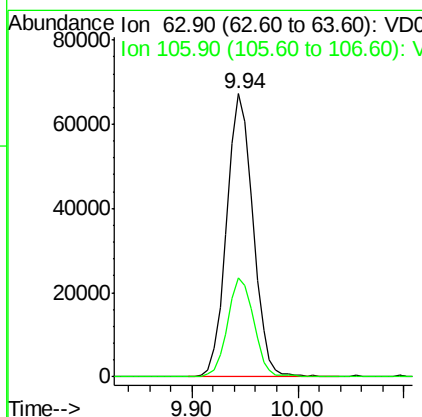
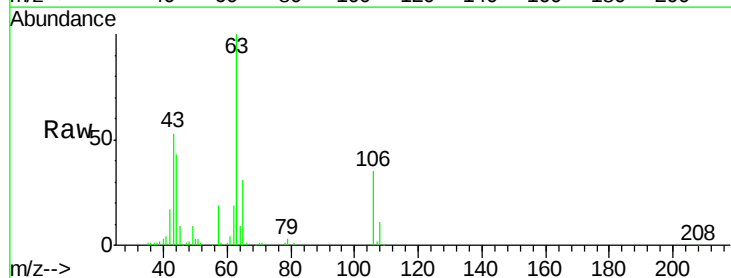
Manual Integrations
 APPROVED

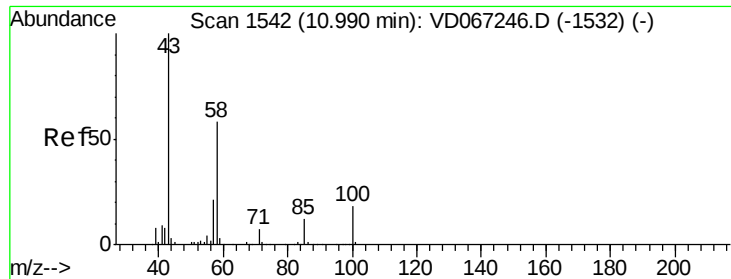
MMDadoda
 10/22/2020 5:19:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.279 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion: 63 Resp: 115999
 Ion Ratio Lower Upper
 63 100
 106 34.4 27.8 41.6





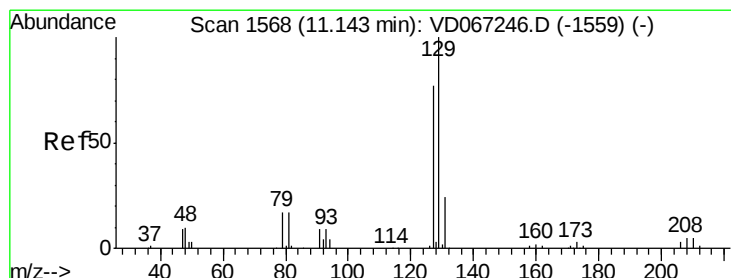
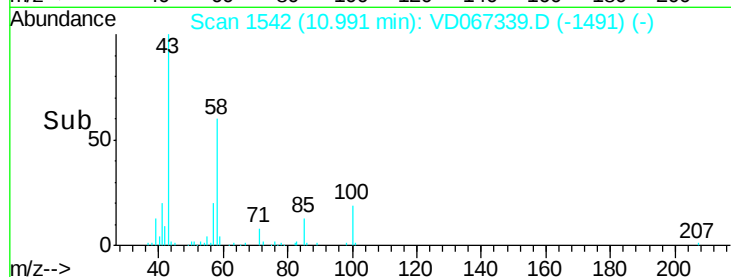
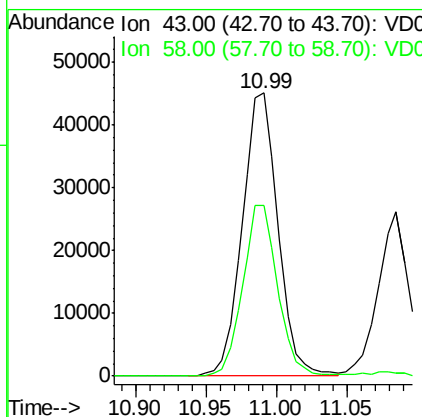
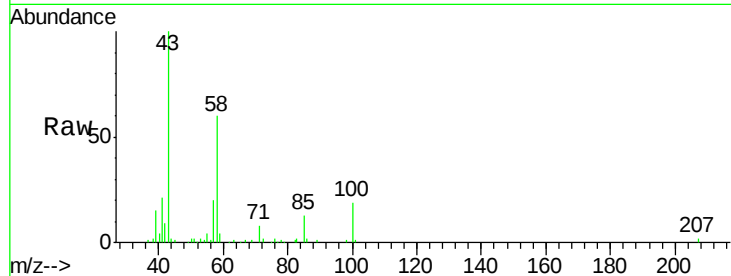
#59
2-Hexanone
Concen: 99.844 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 43 Resp: 79961
Ion Ratio Lower Upper
43 100
58 59.1 29.3 87.9

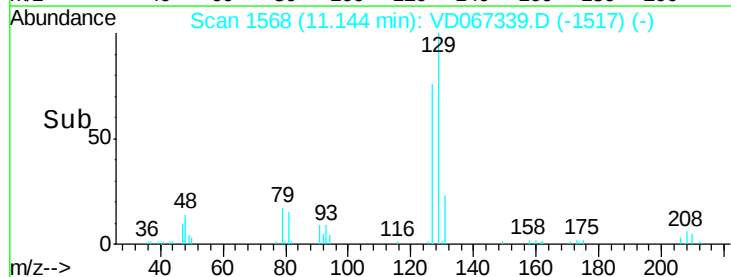
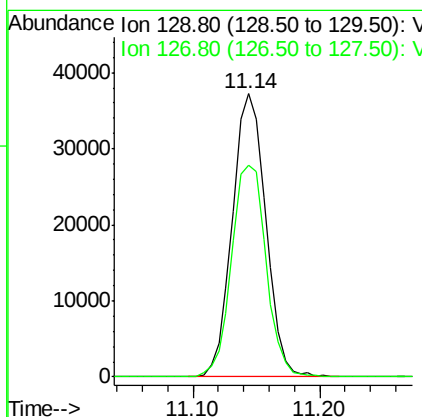
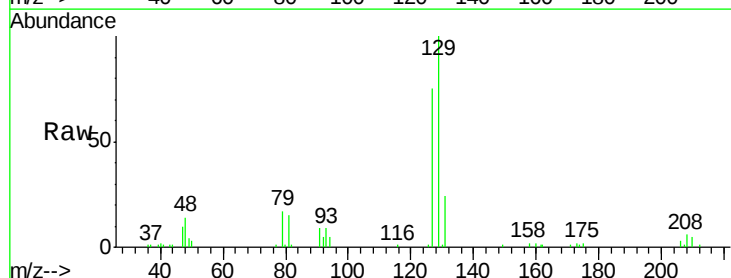
Manual Integrations
APPROVED

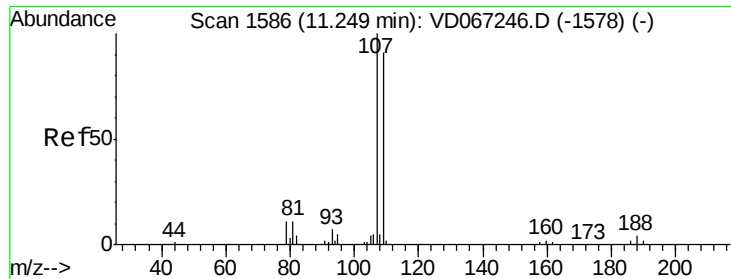
MMDadoda
10/22/2020 5:19:13 PM



#60
Dibromochloromethane
Concen: 21.472 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 129 Resp: 68084
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.030 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion: 107 Resp: 42933

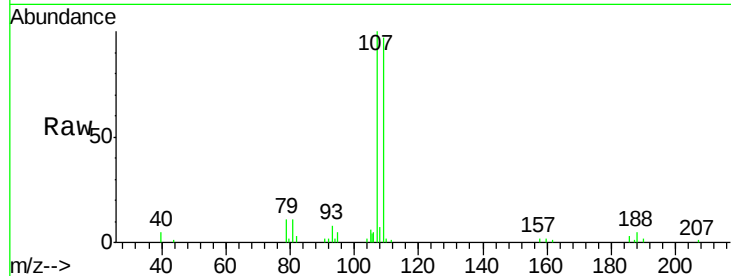
Ion Ratio Lower Upper

107 100

109 96.9 74.6 112.0

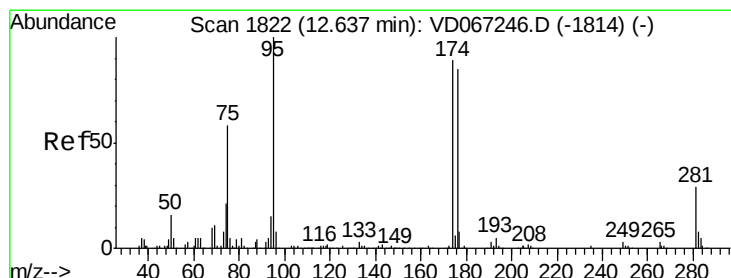
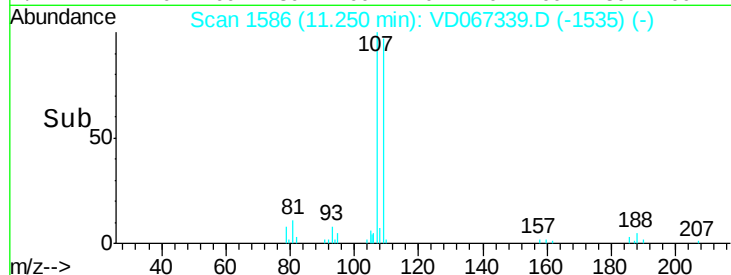
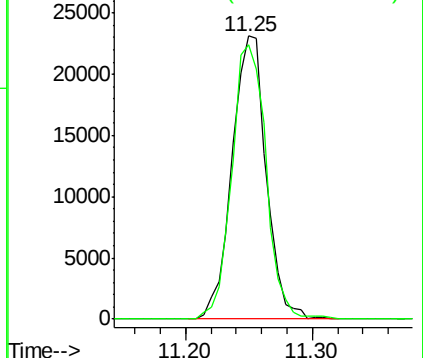
Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.304 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

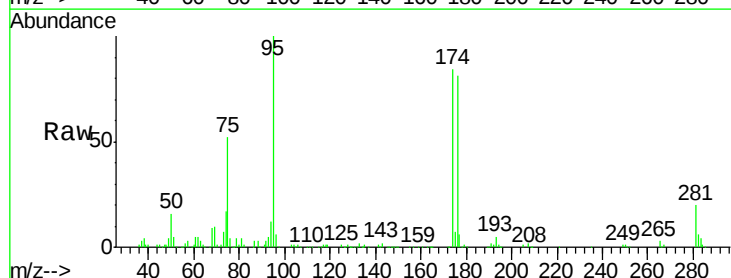
Tgt Ion: 95 Resp: 208008

Ion Ratio Lower Upper

95 100

174 87.7 0.0 175.2

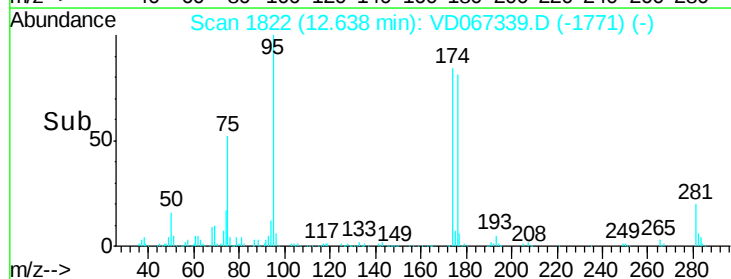
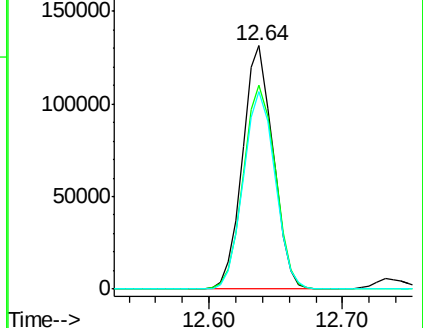
176 84.1 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





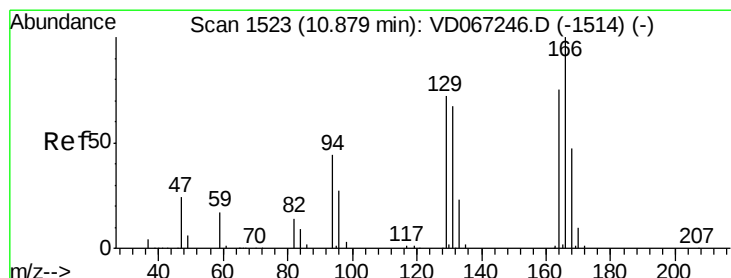
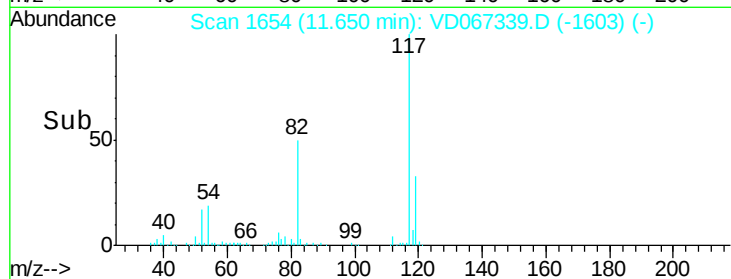
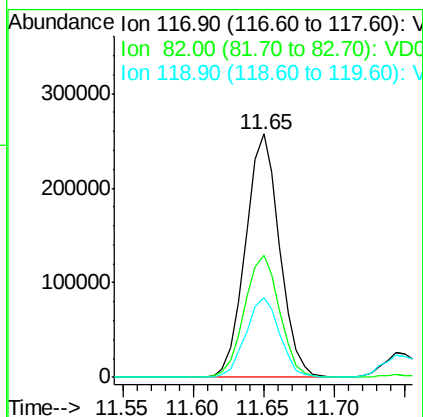
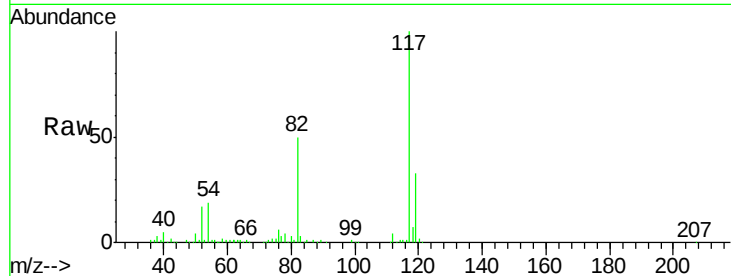
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	39.9	59.9
119	33.0	24.9	37.3

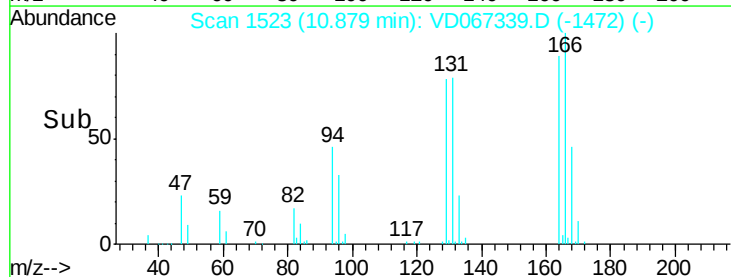
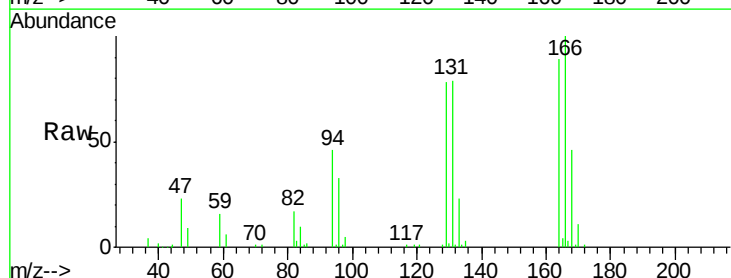
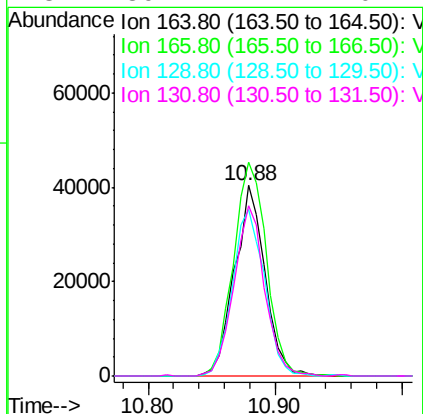
Manual Integrations
APPROVED

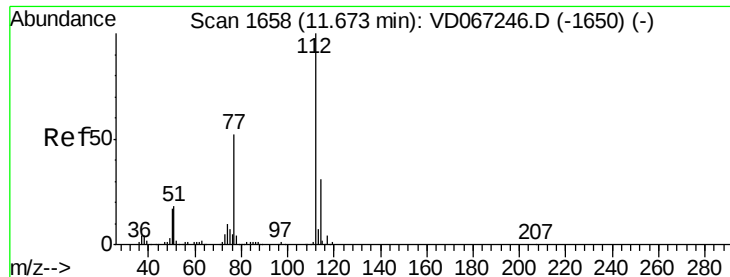
MMDadoda
10/22/2020 5:19:13 PM



#64
Tetrachloroethene
Concen: 21.364 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	112.1	107.3	160.9
129	87.2	77.3	115.9
131	89.1	71.4	107.2





#65

Chlorobenzene

Concen: 21.226 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

Tot Ion:112 Resp: 177607

Ion Ratio Lower Upper

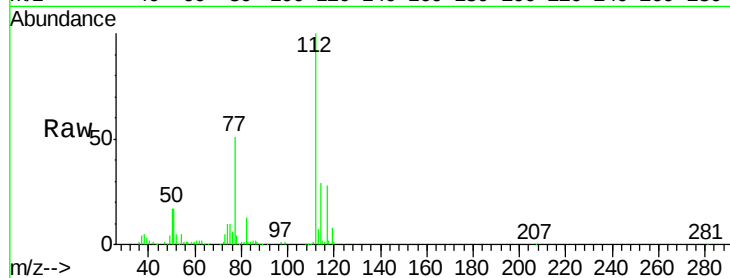
112 100

114 29.2 25.0 37.4

Manual Integrations
APPROVED

MMDadoda

10/22/2020 5:19:13 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

120000

100000

80000

60000

40000

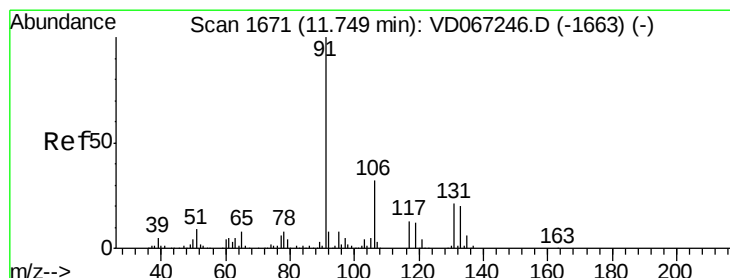
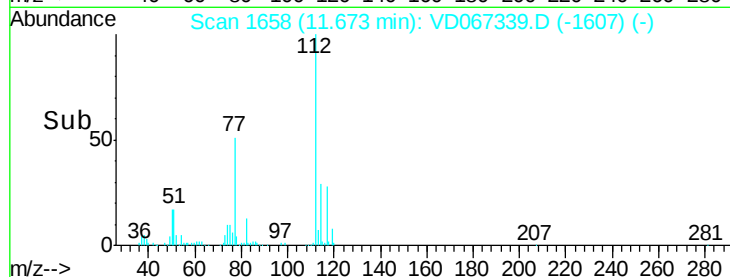
20000

0

11.60

11.70

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.384 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

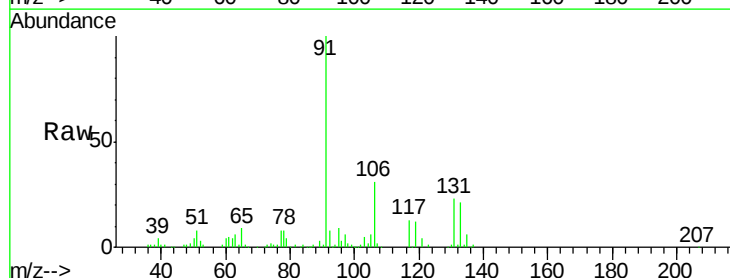
Tgt Ion:131 Resp: 74441

Ion Ratio Lower Upper

131 100

133 94.3 48.1 144.3

119 58.0 30.0 90.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

60000

40000

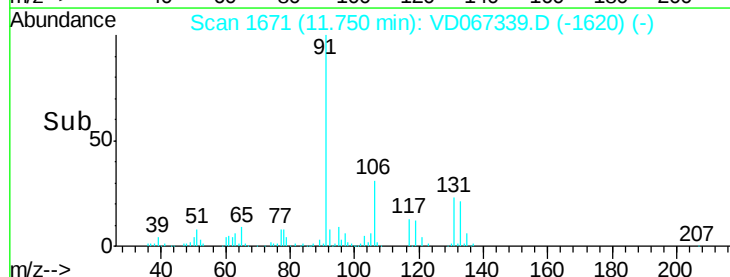
20000

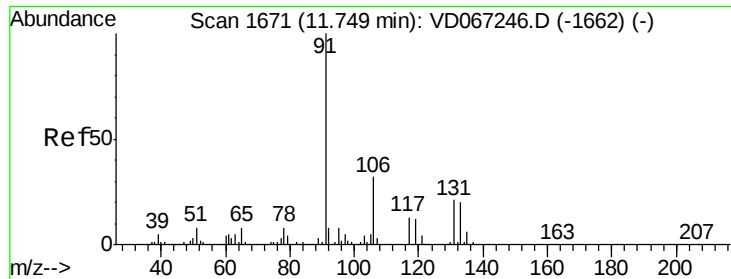
0

11.70

11.80

Time-->





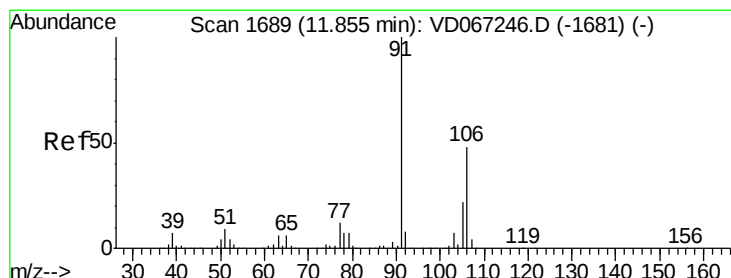
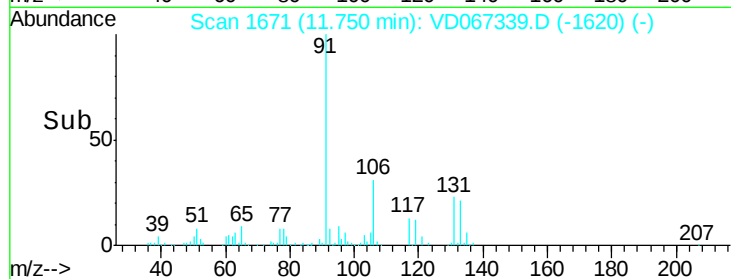
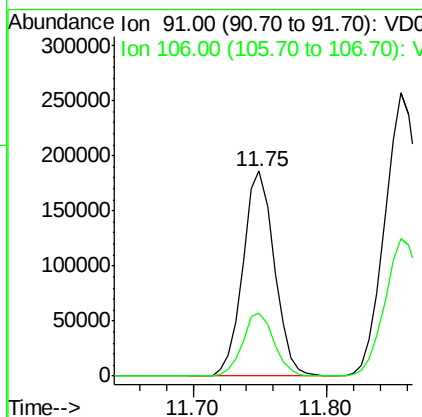
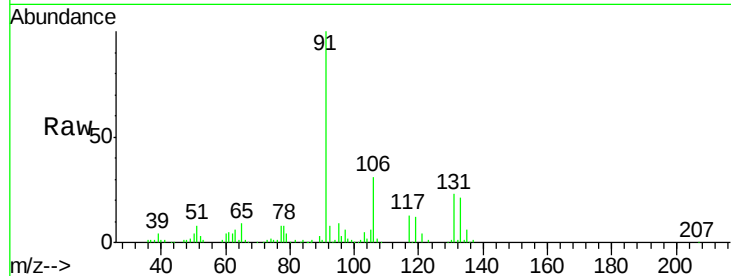
#67
Ethyl Benzene
Concen: 21.099 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 91 Resp: 302637
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0

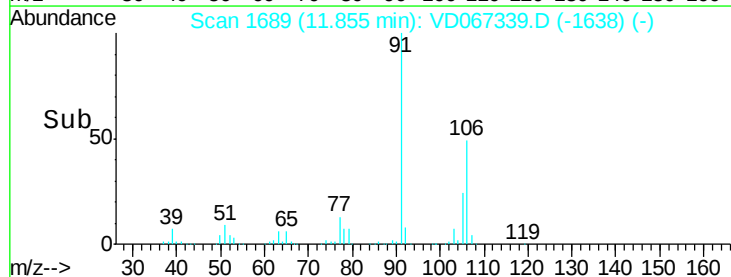
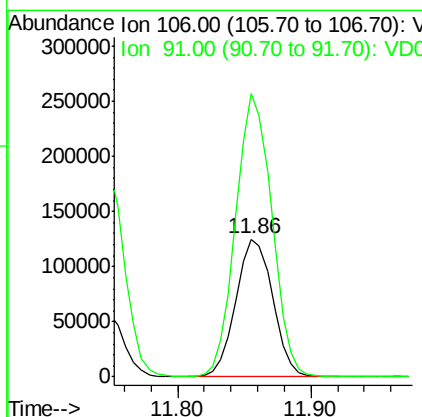
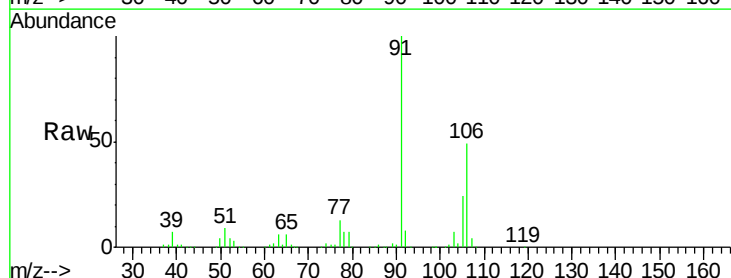
Manual Integrations
APPROVED

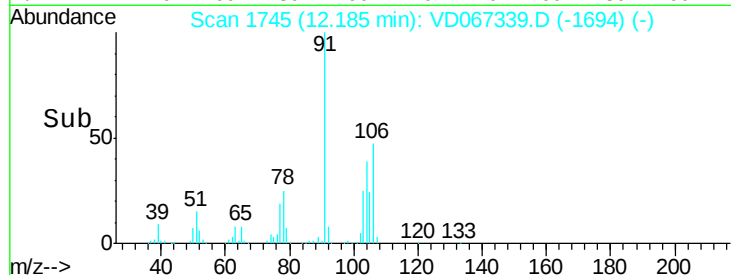
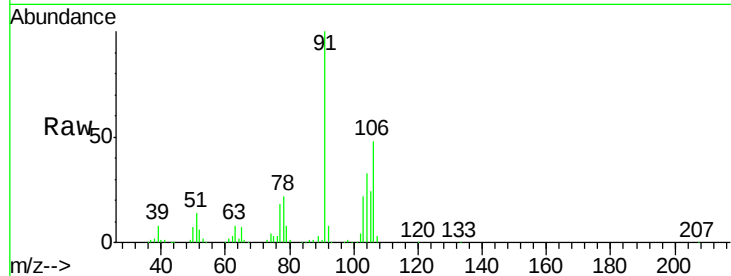
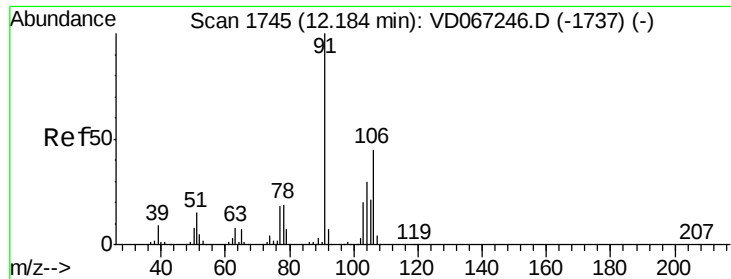
MMDadoda
10/22/2020 5:19:13 PM



#68
m/p-Xylenes
Concen: 43.437 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 106 Resp: 239921
Ion Ratio Lower Upper
106 100
91 201.6 163.8 245.8





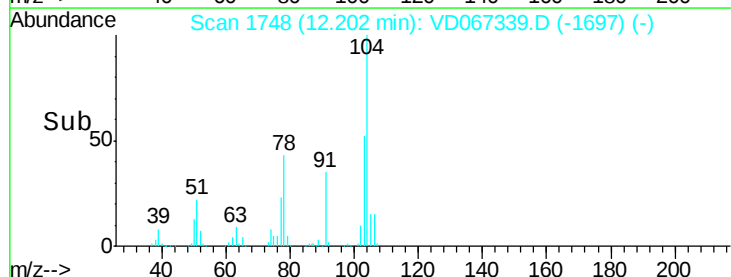
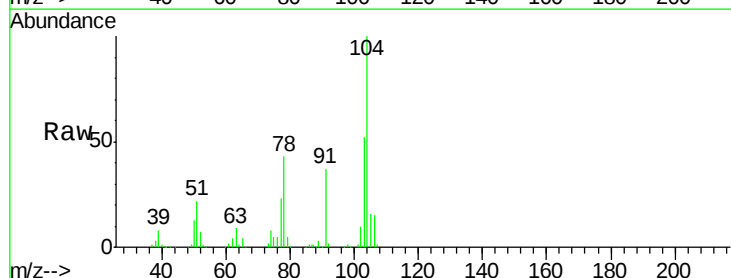
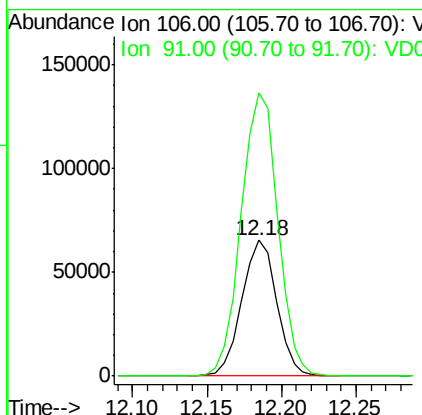
#69
o-Xylene
Concen: 20.687 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tot Ion:106 Resp: 105807
Ion Ratio Lower Upper
106 100
91 220.0 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

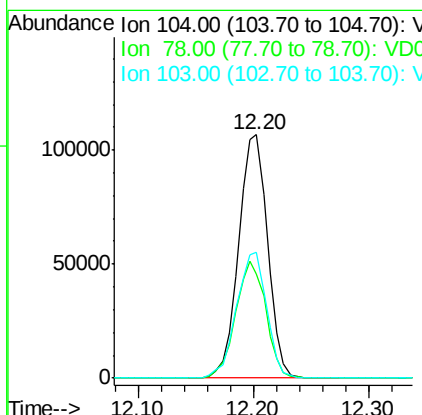
Manual Integrations
APPROVED

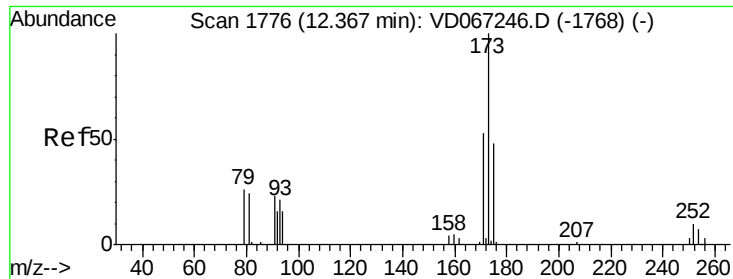
MMDadoda
10/22/2020 5:19:13 PM



#70
Styrene
Concen: 21.081 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion:104 Resp: 185616
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.6
103 53.9 42.6 64.0





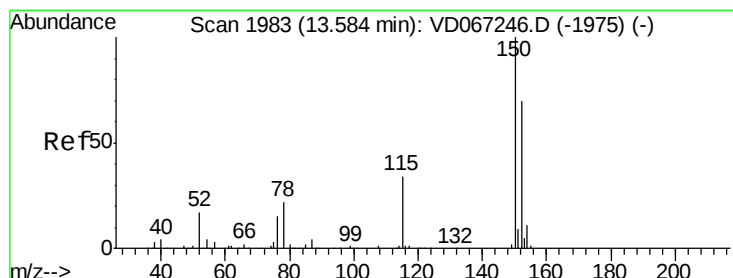
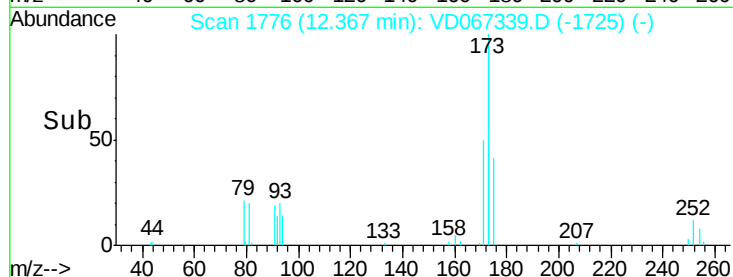
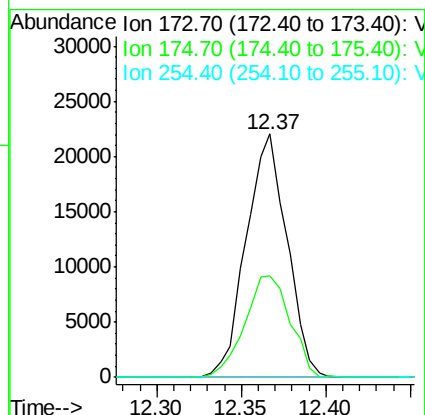
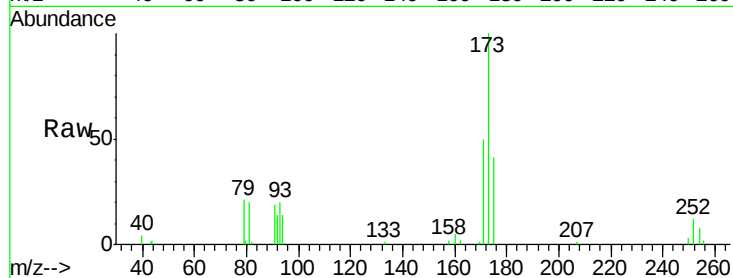
#71
Bromoform
Concen: 20.755 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.2	72.6
254	0.0	0.1	0.1#

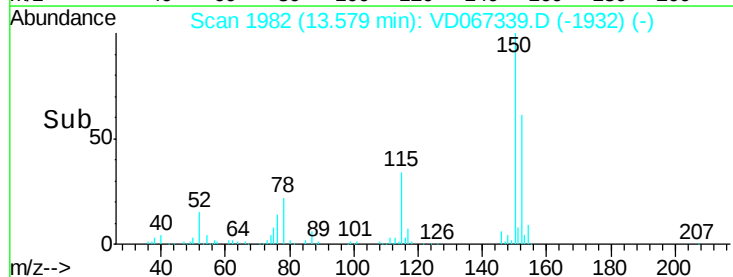
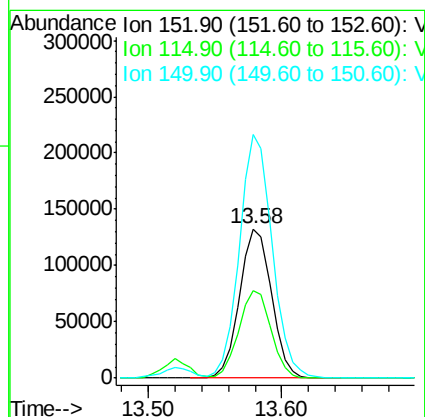
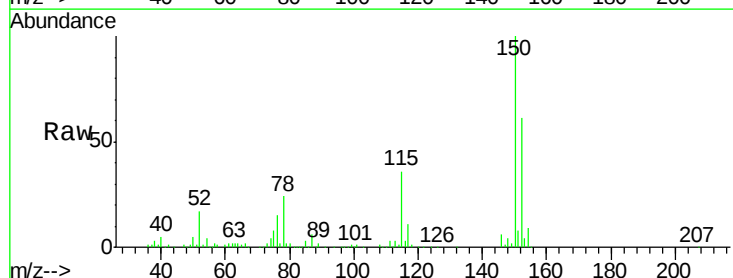
Manual Integrations
APPROVED

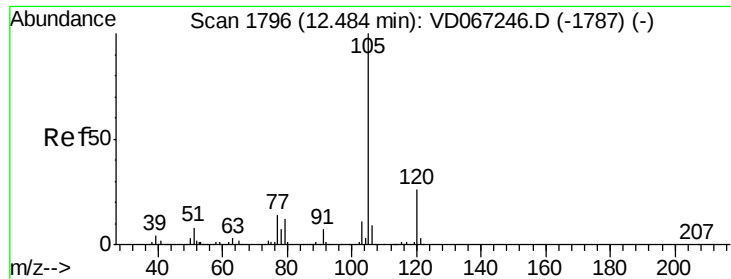
MMDadoda
10/22/2020 5:19:13 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.3	87.9
150	167.3	0.0	339.0





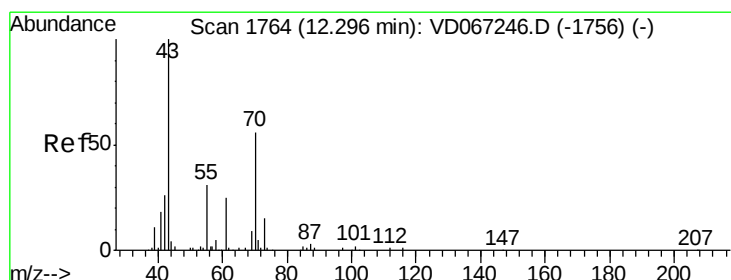
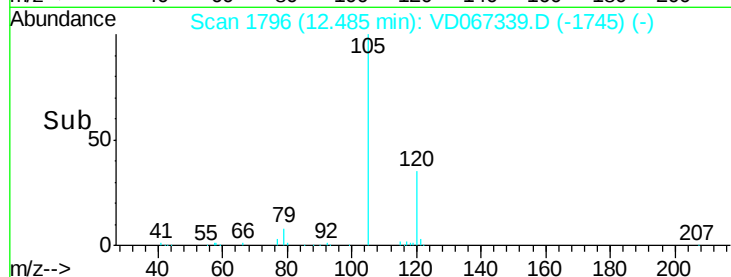
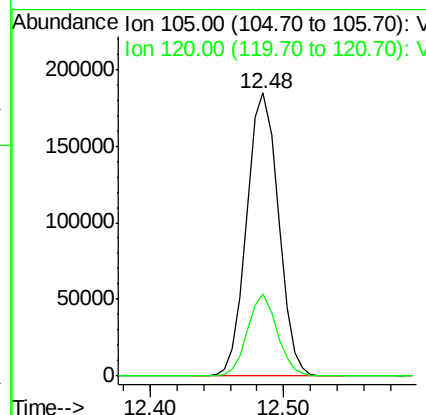
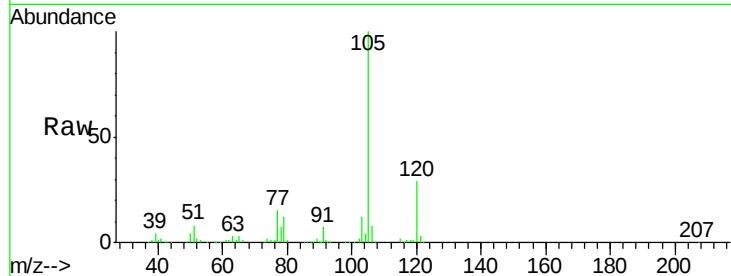
#73
Isopropylbenzene
Concen: 21.829 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.3	39.8

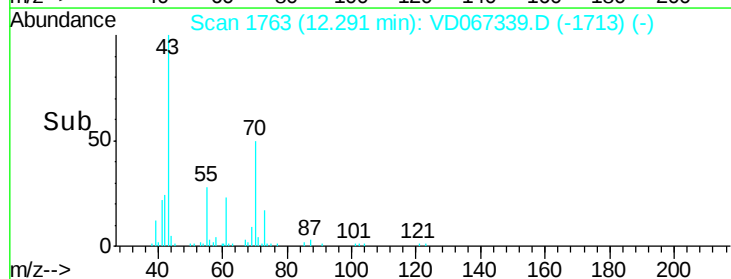
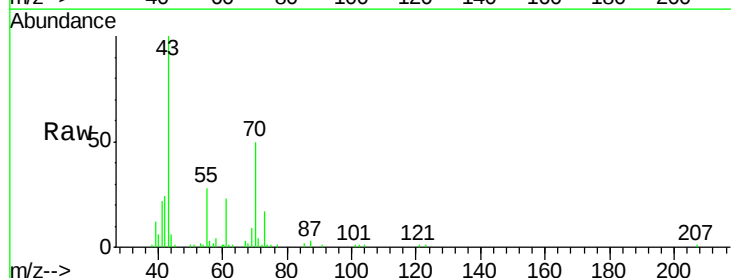
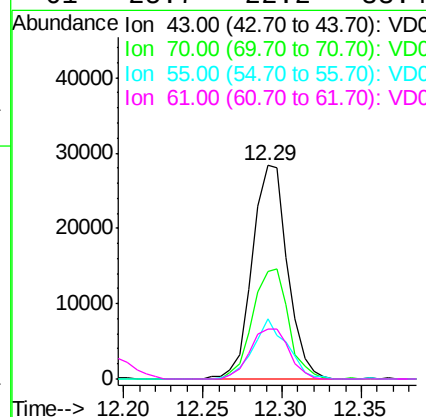
Manual Integrations
APPROVED

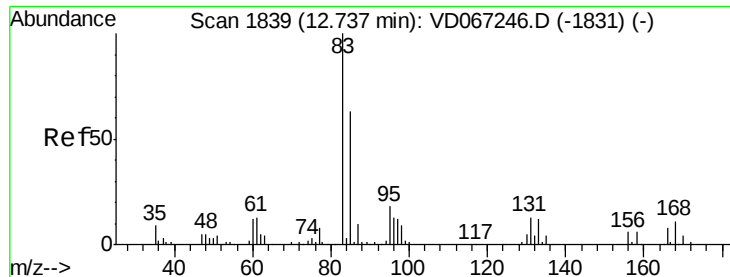
MMDadoda
10/22/2020 5:19:13 PM



#74
N-ethyl acetate
Concen: 20.944 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.2	42.7	64.1
55	27.0	24.0	36.0
61	25.7	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.581 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

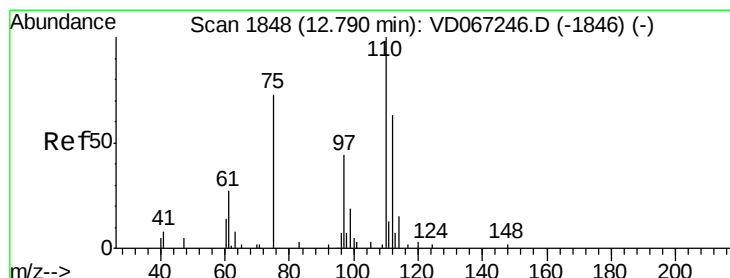
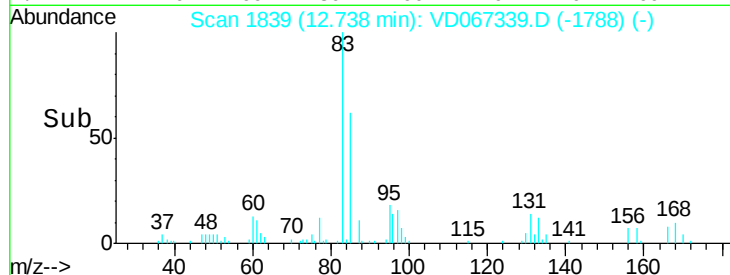
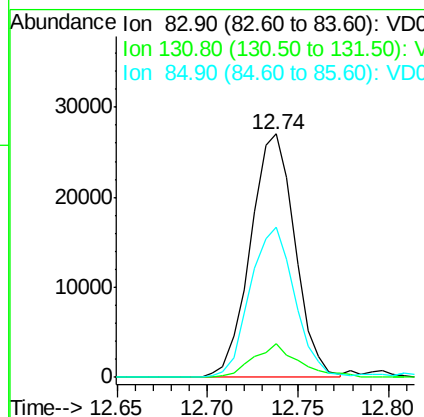
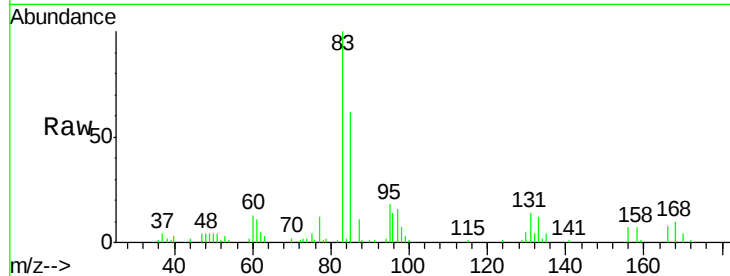
ClientSampleId :

VD1021SBS01

Tot Ion:	83	Resp:	45977
Ion Ratio	Lower	Upper	
83	100		
131	14.1	6.5	19.5
85	62.4	32.6	97.7

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#76

1,2,3-Trichloropropane

Concen: 22.645 ug/l m

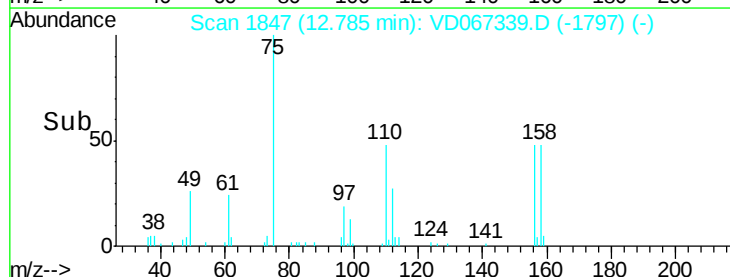
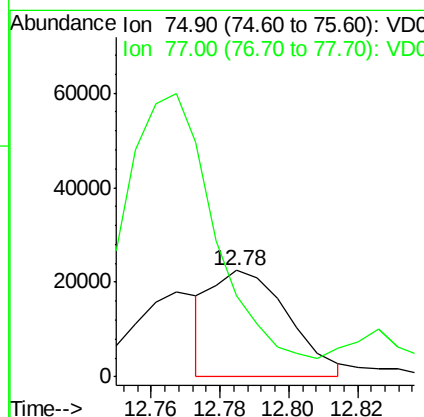
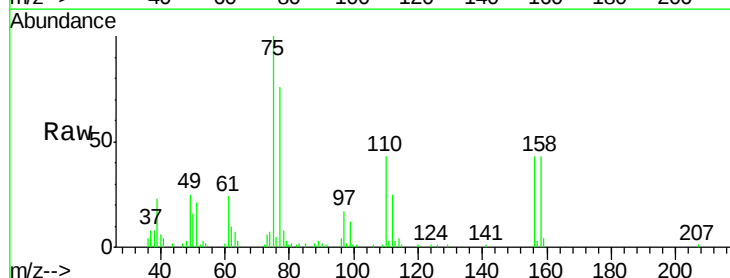
RT: 12.78 min Scan# 1847

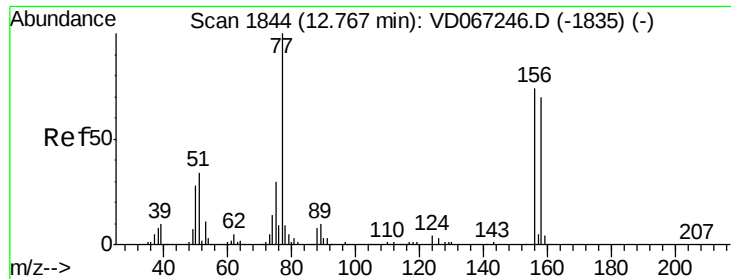
Delta R.T. -0.01 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion:	75	Resp:	34385
Ion Ratio	Lower	Upper	
75	100		
77	336.8	0.0	0.0#





#77

Bromobenzene

Concen: 21.495 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Instrument :

MSVOA_D

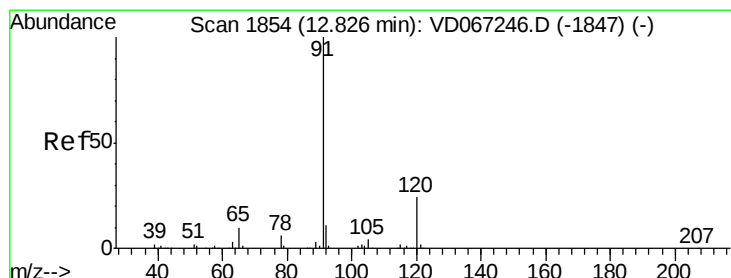
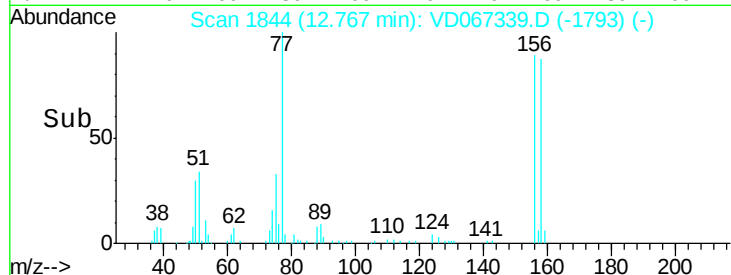
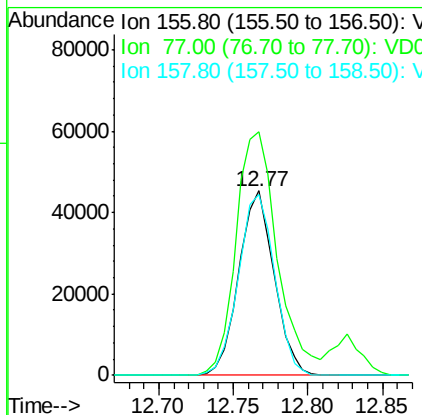
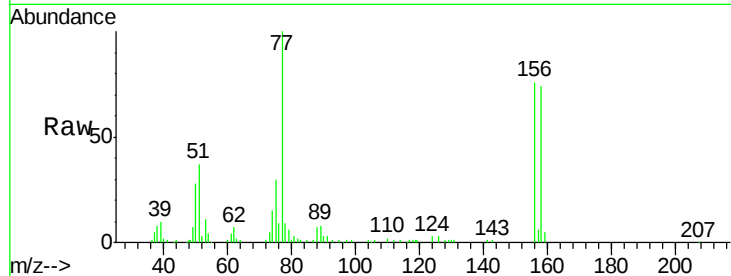
ClientSampleId :

VD1021SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.4	78.0	233.8	
158	100.5	49.1	147.3	

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#78

n-propylbenzene

Concen: 21.948 ug/l

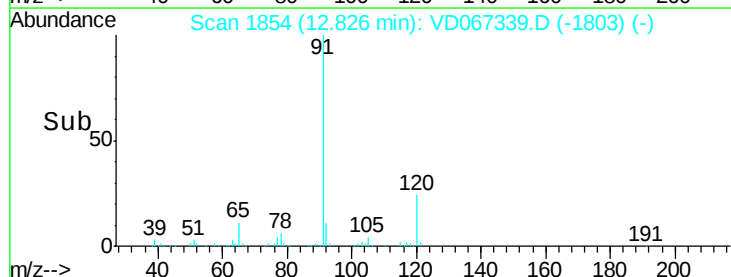
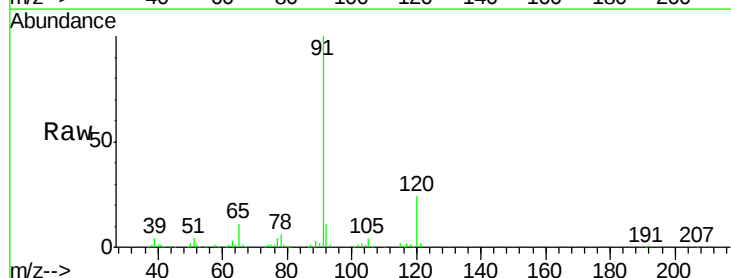
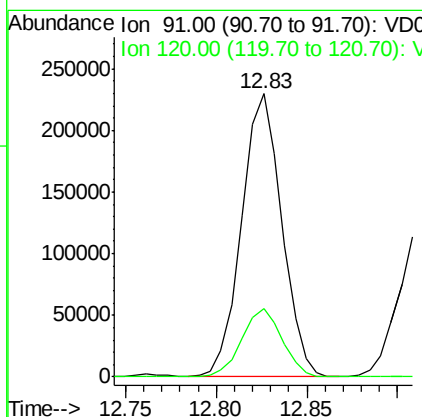
RT: 12.83 min Scan# 1854

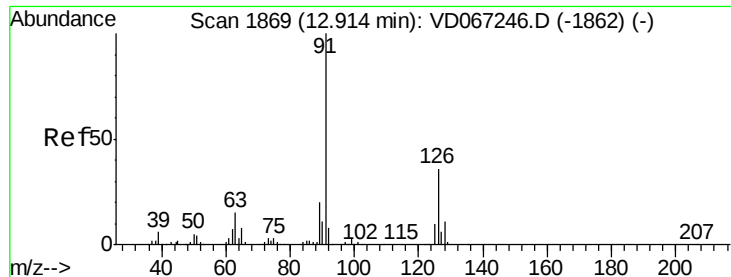
Delta R.T. 0.00 min

Lab File: VD067339.D

Acq: 21 Oct 2020 11:20

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	11.9	35.9	





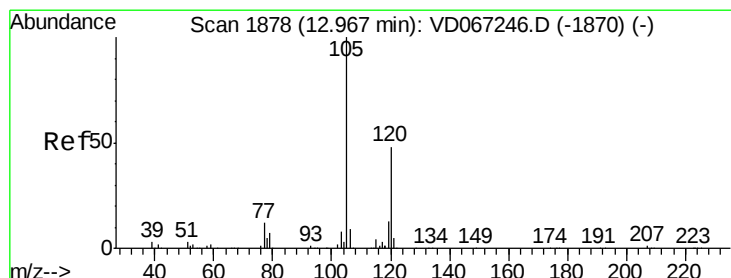
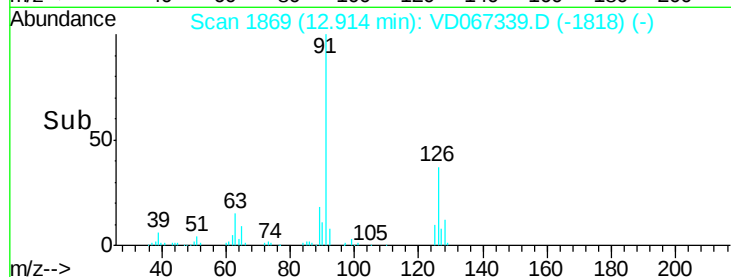
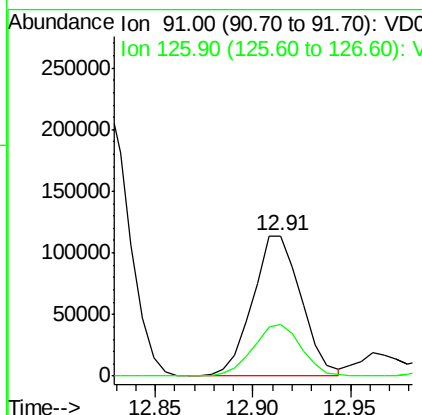
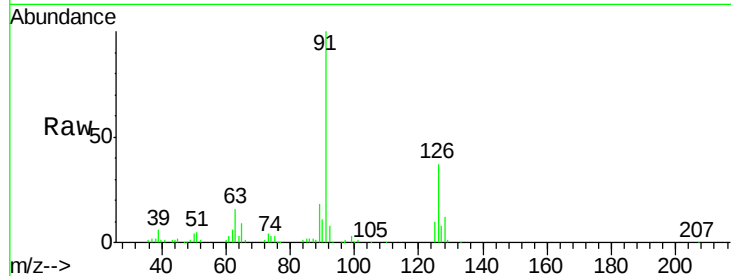
#79
2-Chlorotoluene
Concen: 20.961 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 91 Resp: 195825
Ion Ratio Lower Upper
91 100
126 36.6 17.6 52.8

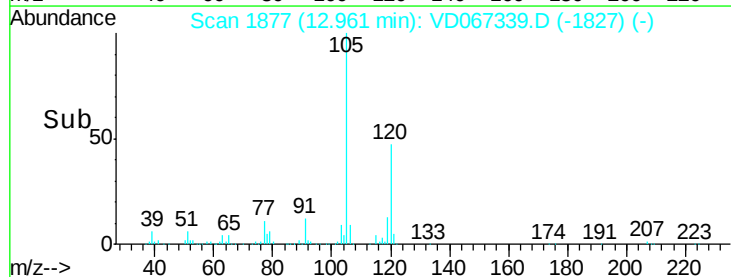
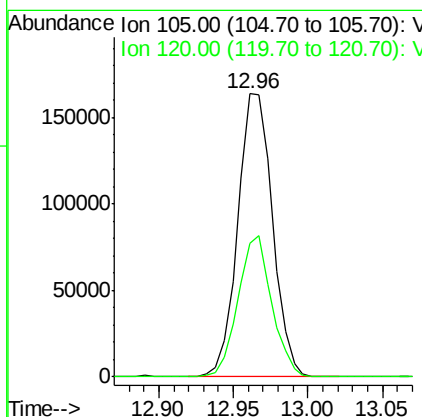
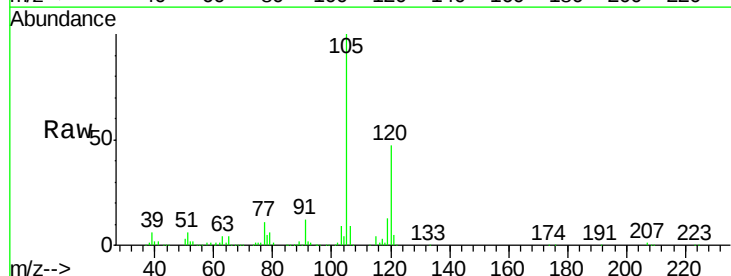
Manual Integrations
APPROVED

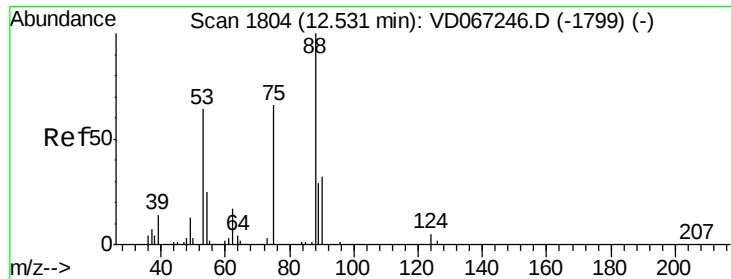
MMDadoda
10/22/2020 5:19:13 PM



#80
1,3,5-Trimethylbenzene
Concen: 21.917 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 105 Resp: 264809
Ion Ratio Lower Upper
105 100
120 48.4 24.3 72.8





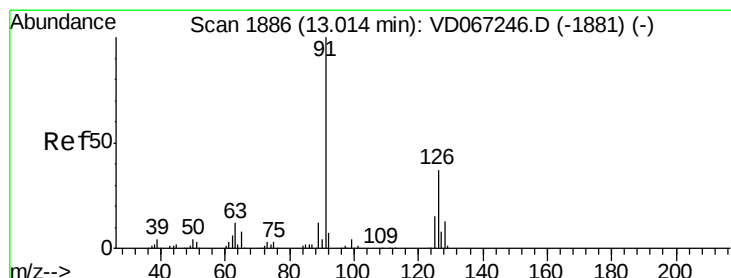
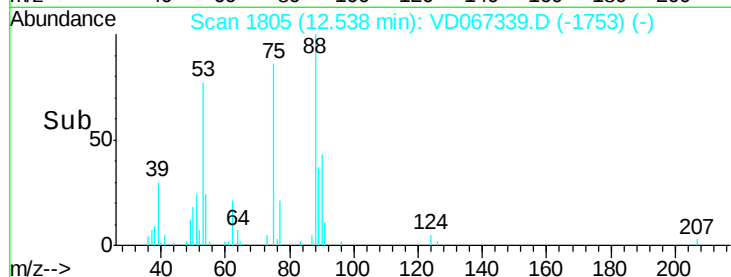
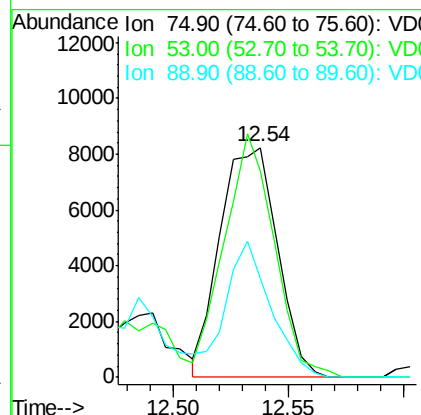
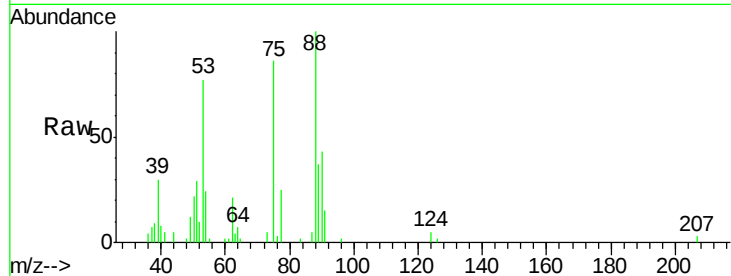
#81
trans-1,4-Dichloro-2-butene
Concen: 21.279 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	78.5	117.7
89	47.0	39.9	59.9

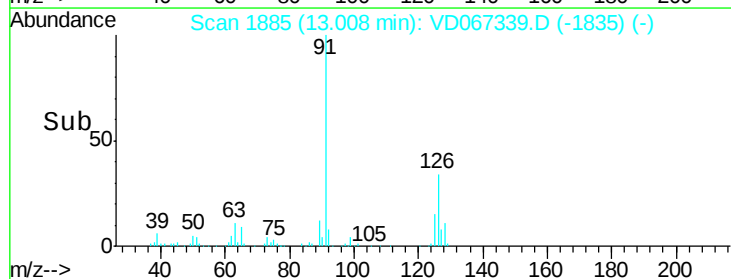
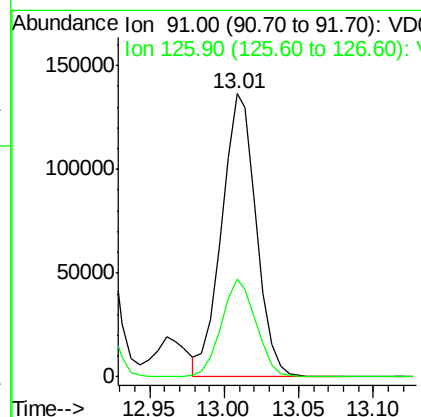
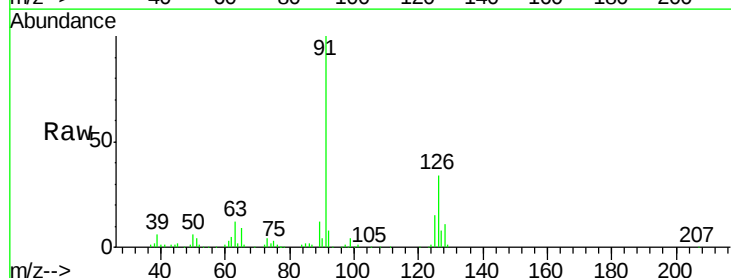
Manual Integrations
APPROVED

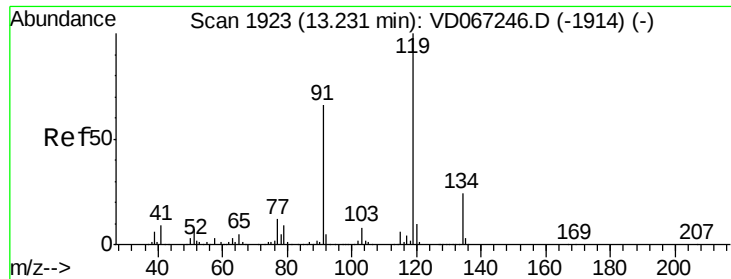
MMDadoda
10/22/2020 5:19:13 PM



#82
4-Chlorotoluene
Concen: 22.180 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.5





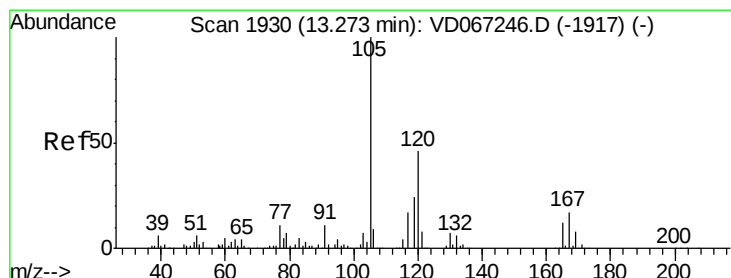
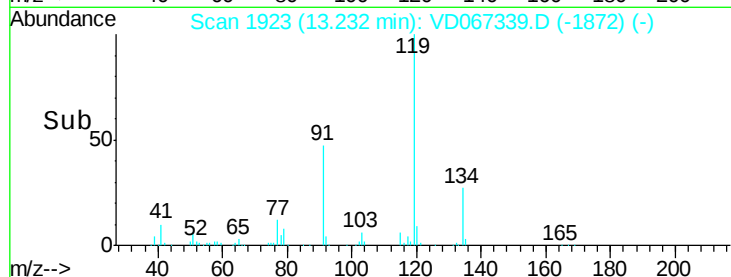
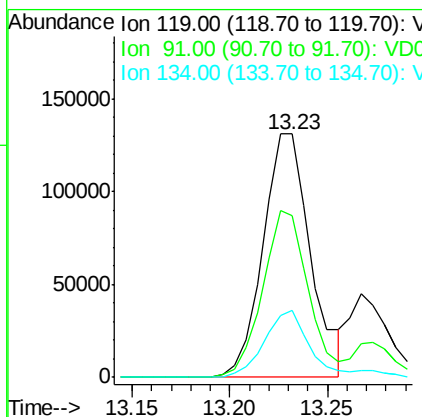
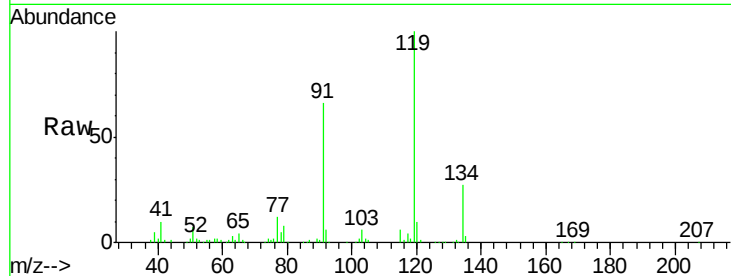
#83
tert-Butylbenzene
Concen: 21.728 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221766		
91	65.3		33.1	99.2
134	27.4		13.3	39.9

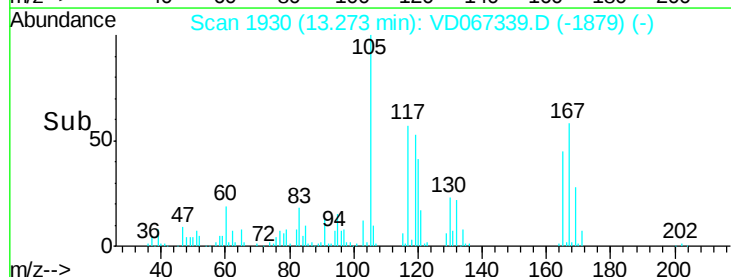
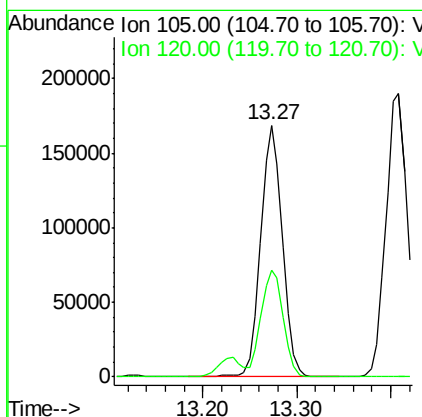
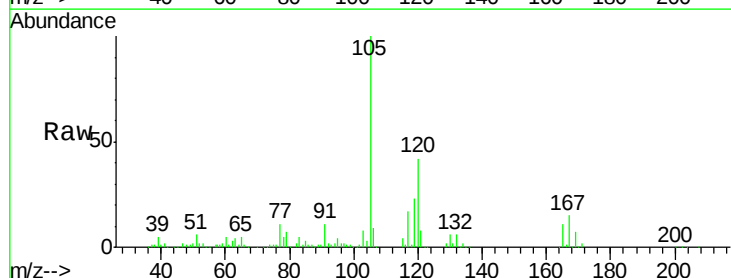
Manual Integrations
APPROVED

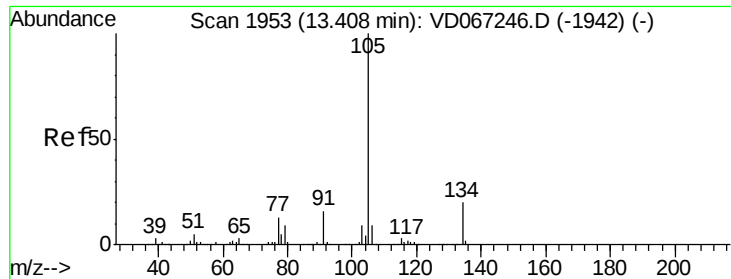
MMDadoda
10/22/2020 5:19:13 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.480 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	268465		
120	43.6		22.4	67.3





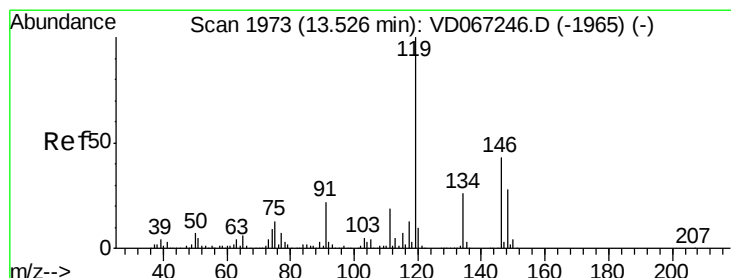
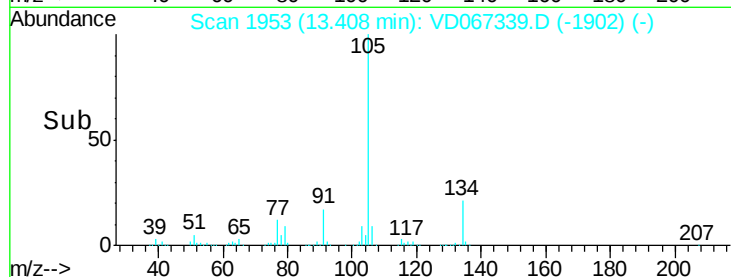
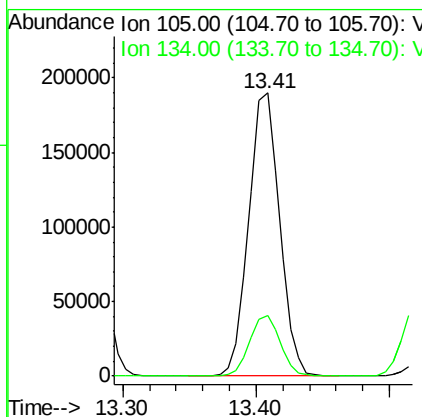
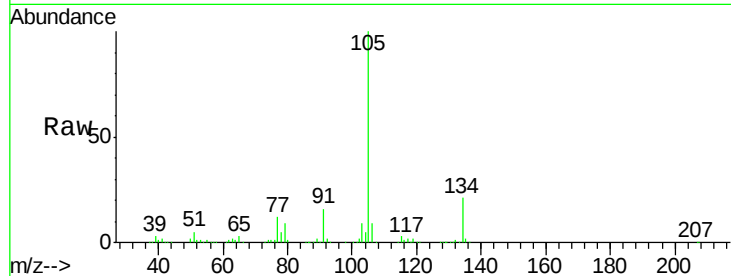
#85
 sec-Butylbenzene
 Concen: 21.623 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.5	31.5

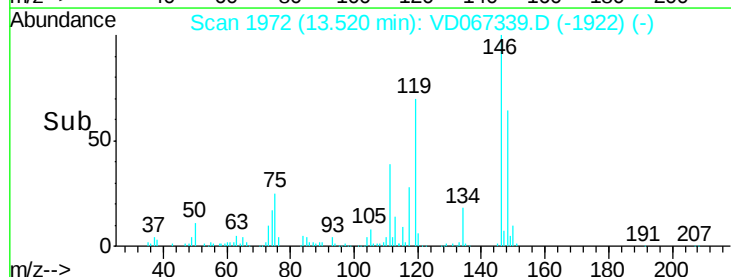
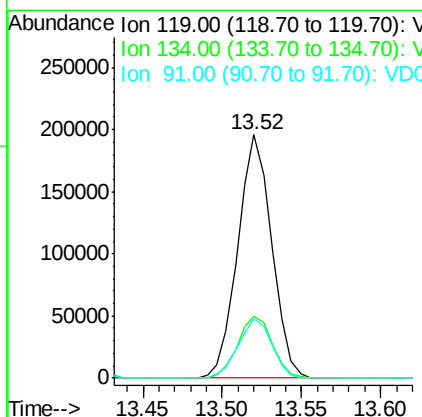
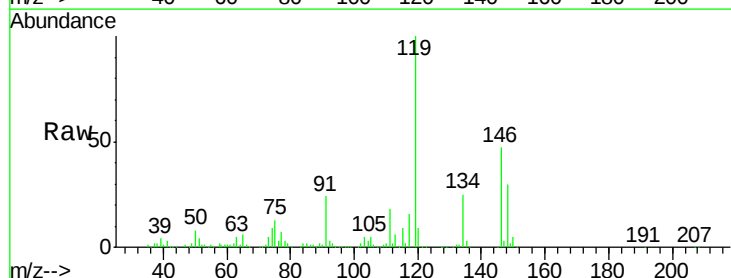
Manual Integrations
 APPROVED

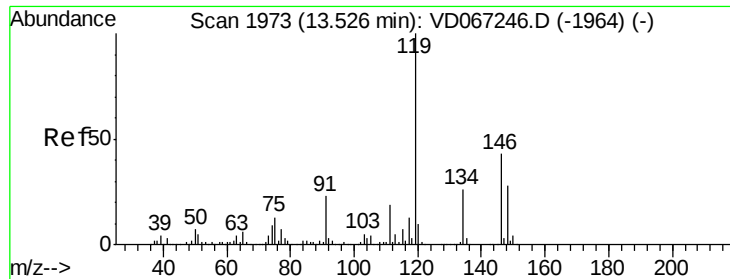
MMDadoda
 10/22/2020 5:19:13 PM



#86
 p-Isopropyltoluene
 Concen: 21.952 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.5	11.9	35.9





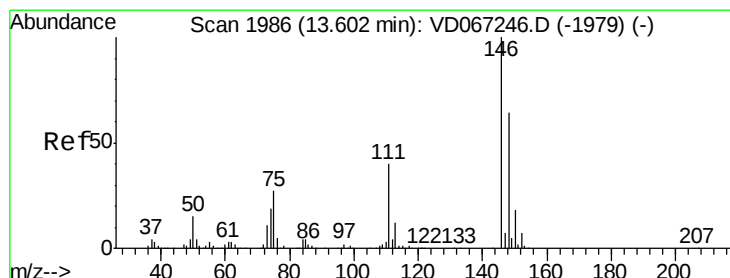
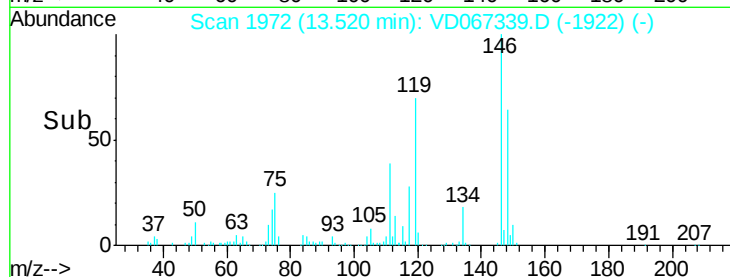
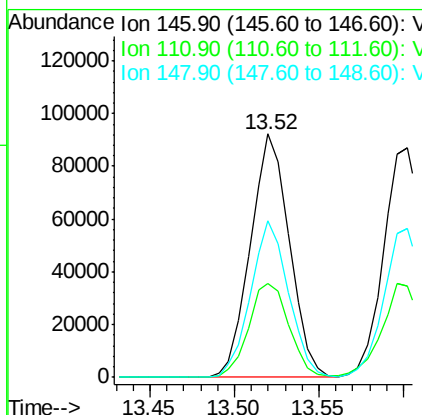
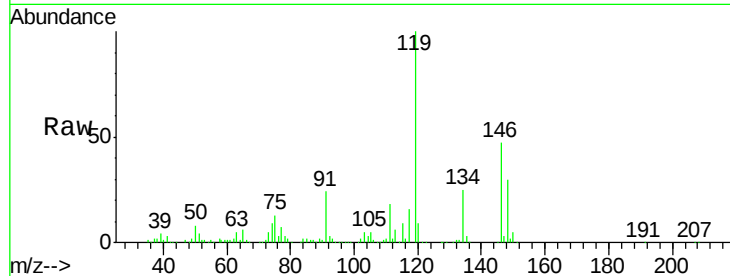
#87
 1,3-Dichlorobenzene
 Concen: 22.245 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	21.1	63.3	
148	62.4	31.9	95.9	

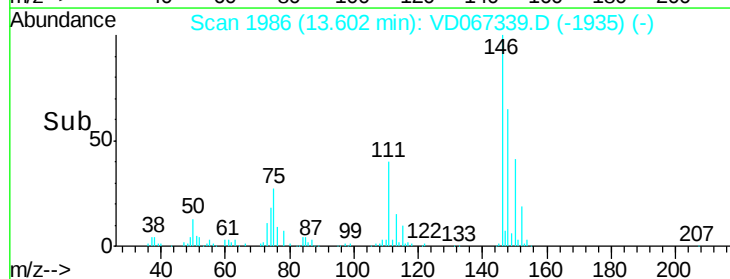
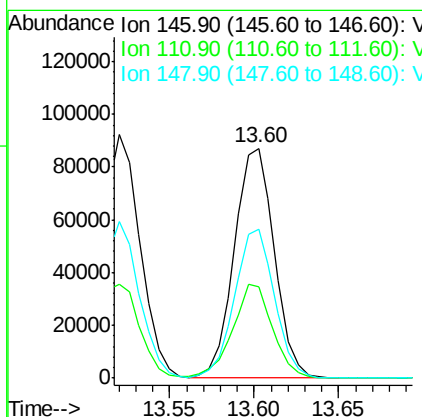
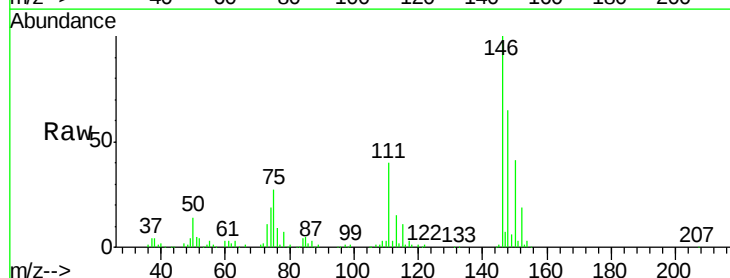
Manual Integrations
 APPROVED

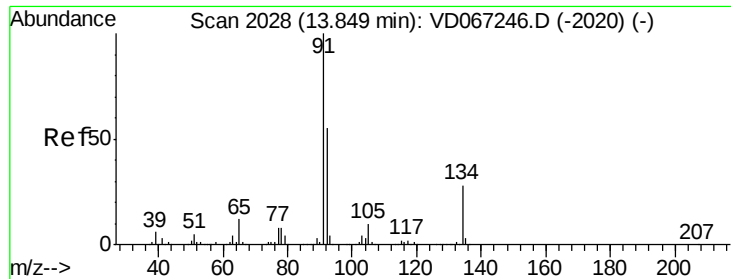
MMDadoda
 10/22/2020 5:19:13 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.721 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.0	19.9	59.7	
148	64.5	31.9	95.9	





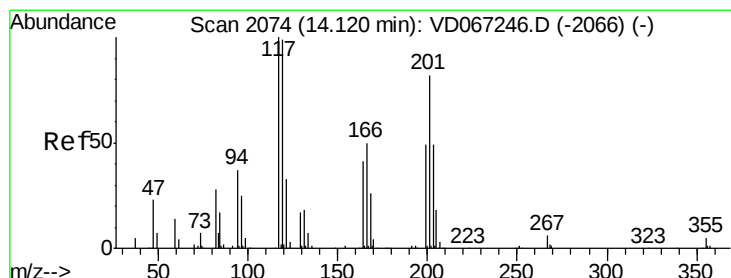
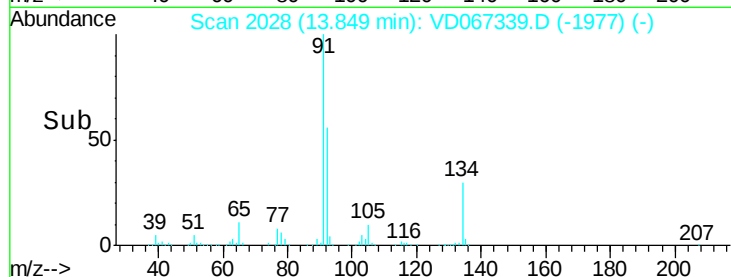
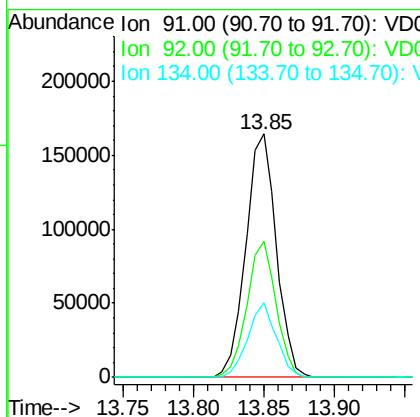
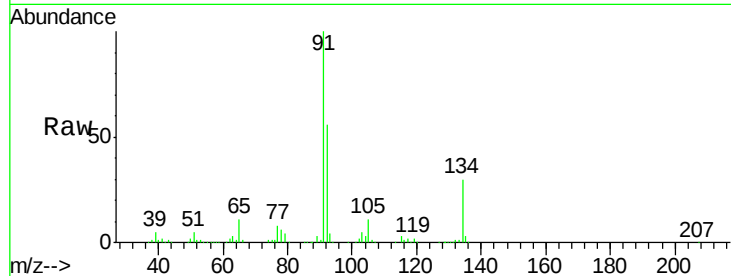
#89
n-Butylbenzene
Concen: 21.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.7	80.0
134	28.6	14.2	42.6

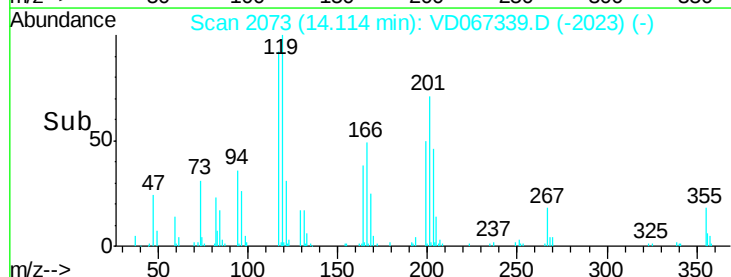
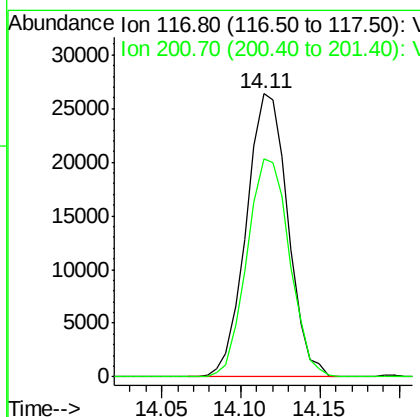
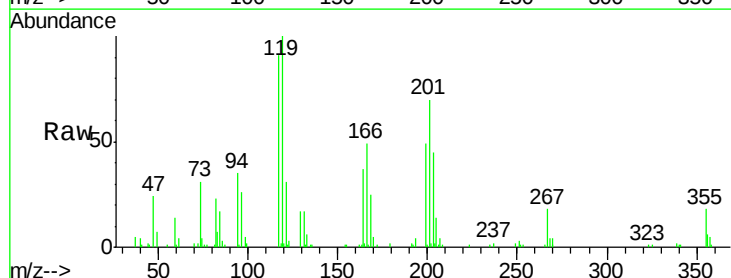
Manual Integrations
APPROVED

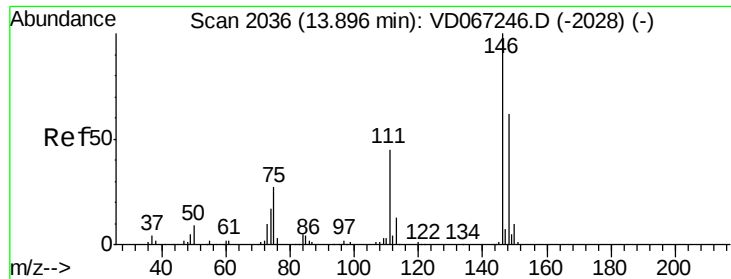
MMDadoda
10/22/2020 5:19:13 PM



#90
Hexachloroethane
Concen: 20.873 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	40.8	122.2





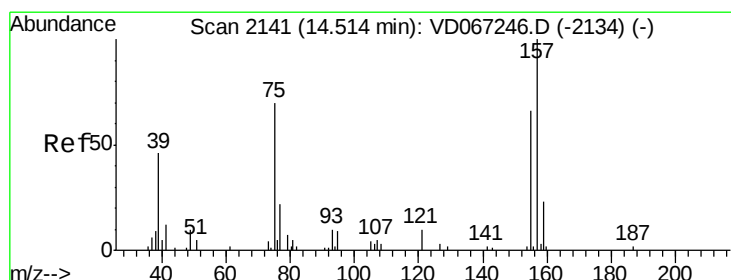
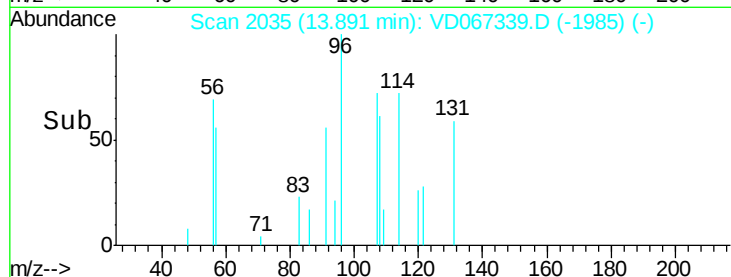
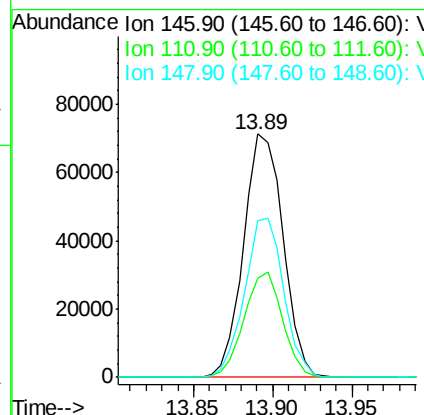
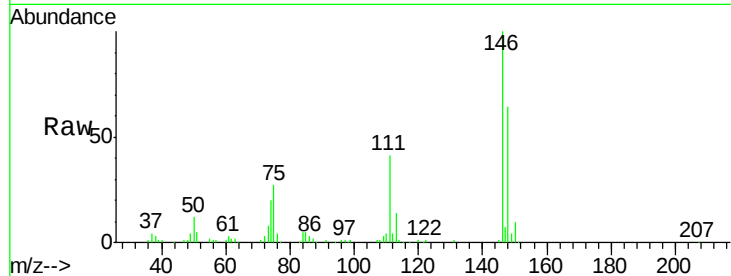
#91
 1,2-Dichlorobenzene
 Concen: 21.250 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	123859		
111	41.8	22.0	66.0	
148	64.7	32.5	97.5	

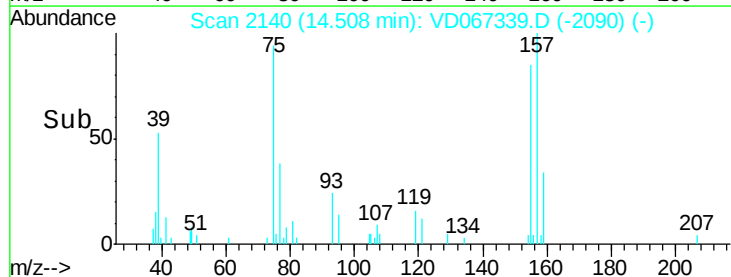
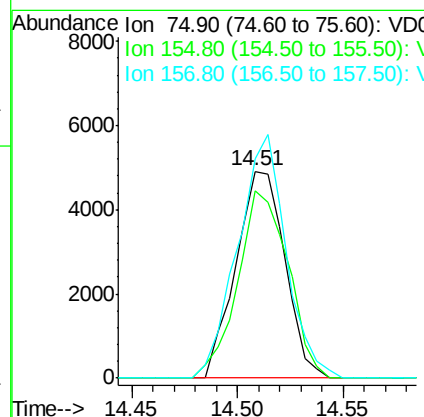
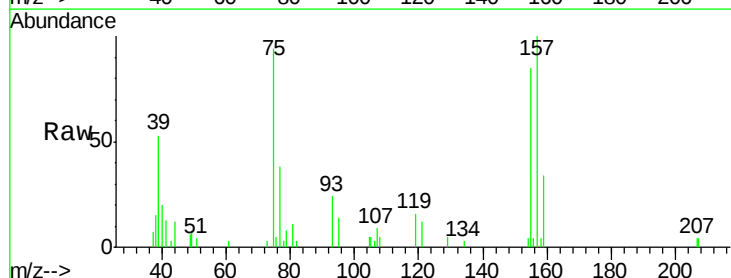
Manual Integrations
 APPROVED

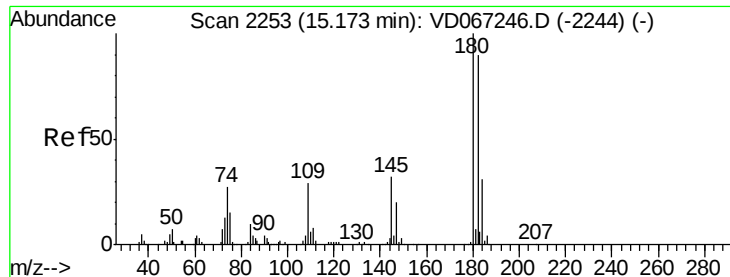
MMDadoda
 10/22/2020 5:19:13 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.424 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7905		
155	92.9	44.8	134.4	
157	116.1	62.5	187.4	





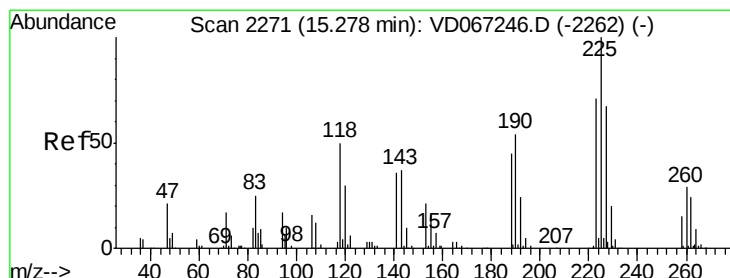
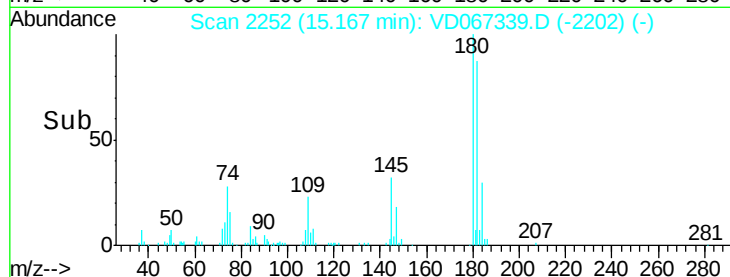
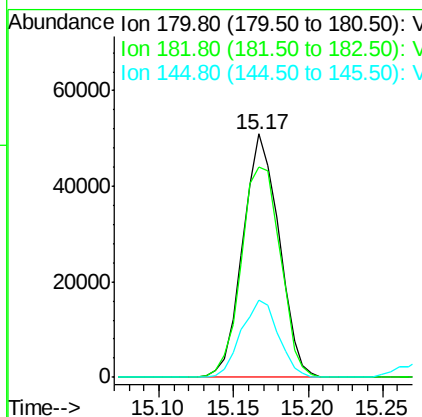
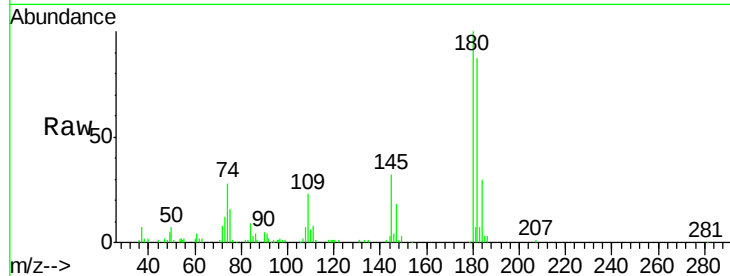
#93
1,2,4-Trichlorobenzene
Concen: 21.768 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	48.1	144.4	
145	33.0	16.3	48.9	

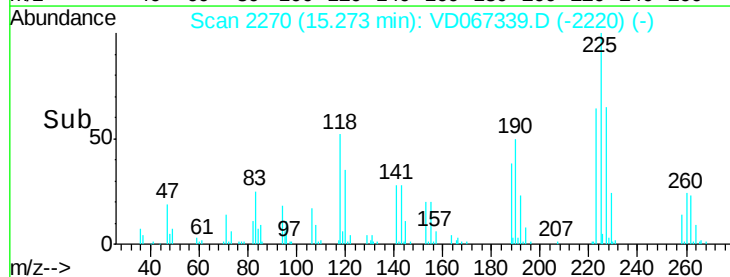
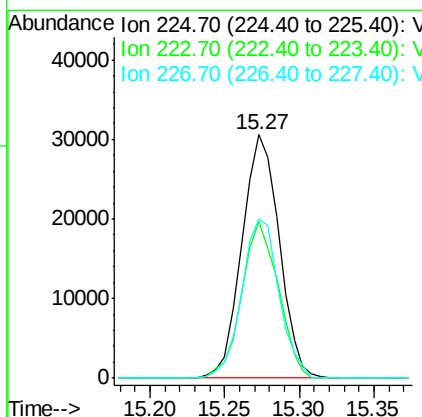
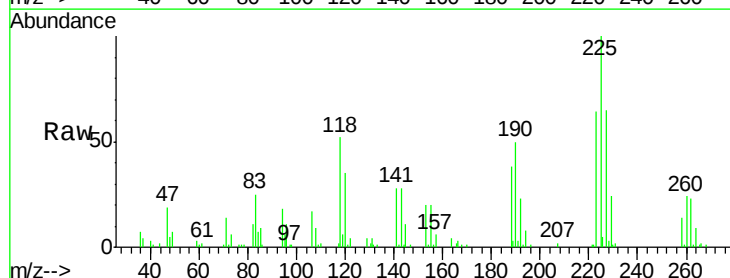
Manual Integrations
APPROVED

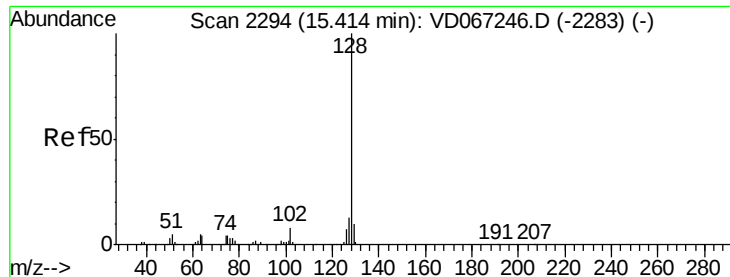
MMDadoda
10/22/2020 5:19:13 PM



#94
Hexachlorobutadiene
Concen: 21.679 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	31.9	95.7	
227	65.2	31.2	93.6	





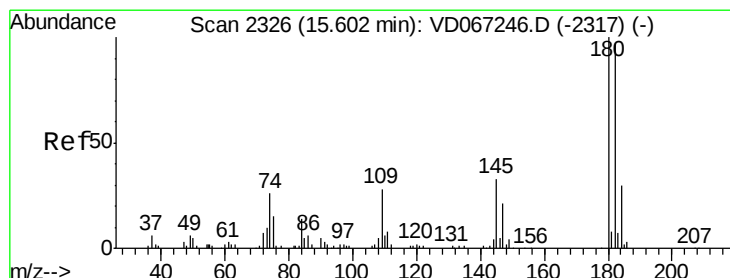
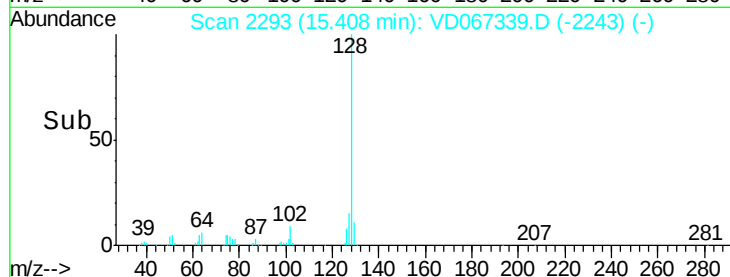
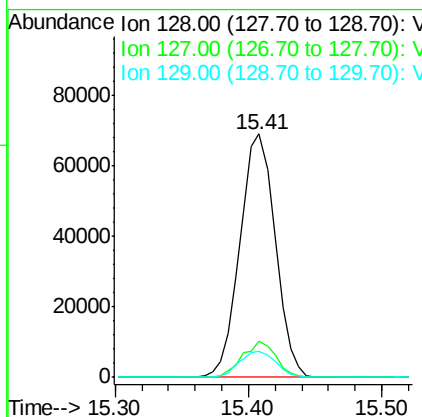
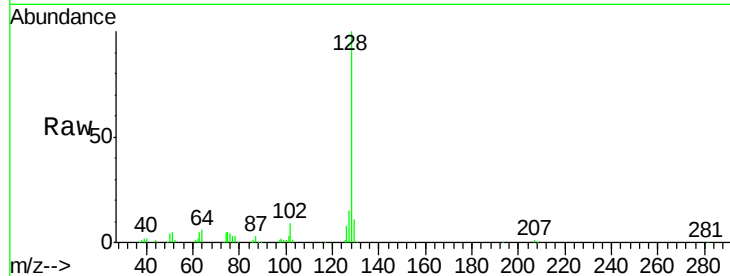
#95
Naphthalene
Concen: 19.670 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/22/2020 5:19:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.057 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.3
145	32.8	17.3	51.9

