

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

Quant Time: Oct 22 00:19:18 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

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 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 22 00:19:18 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	16456	25.715	ug/l #	72
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	62292	41.024	ug/l #	100
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

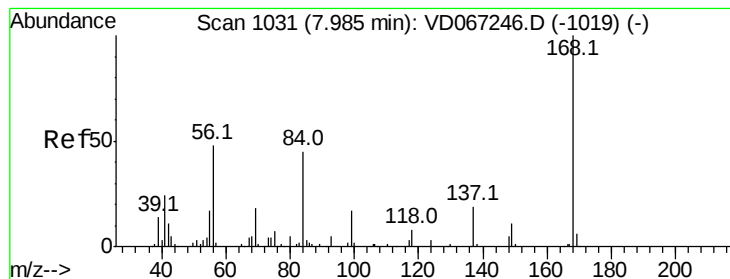
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102120\
Data File : VD067339.D
Acq On : 21 Oct 2020 11:20
Operator : VA/SY
Sample : VD1021SBS01
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Instrument :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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



#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 :

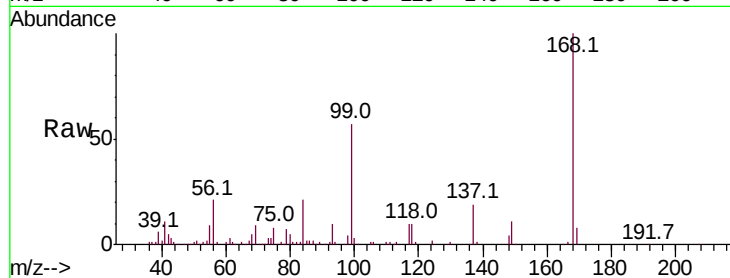
VD1021SBS01

Tot Ion:168 Resp: 314710

Ion Ratio Lower Upper

168 100

99 57.1 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

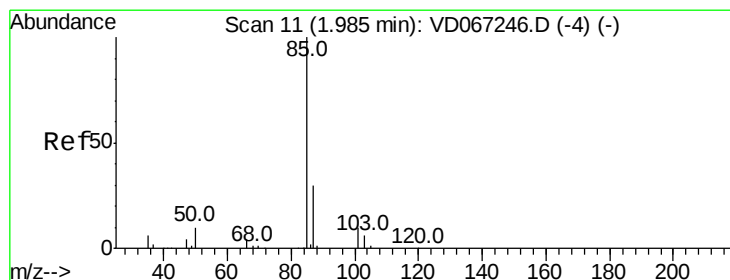
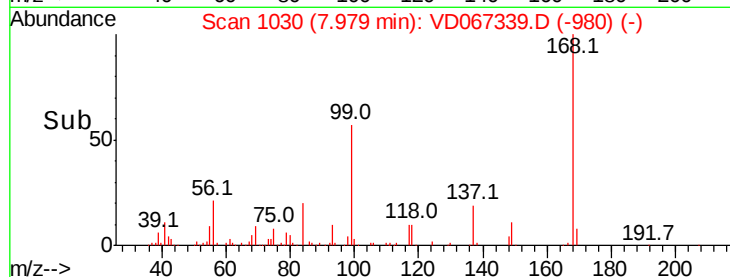
100000

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

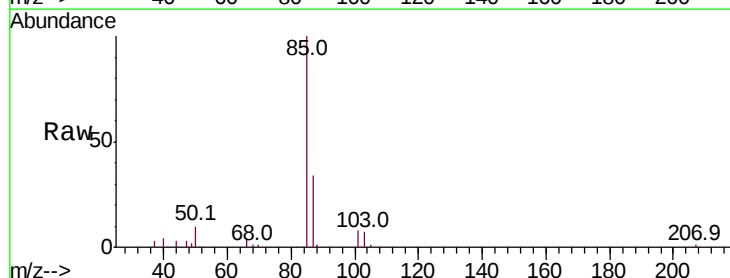
Acq: 21 Oct 2020 11:20

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

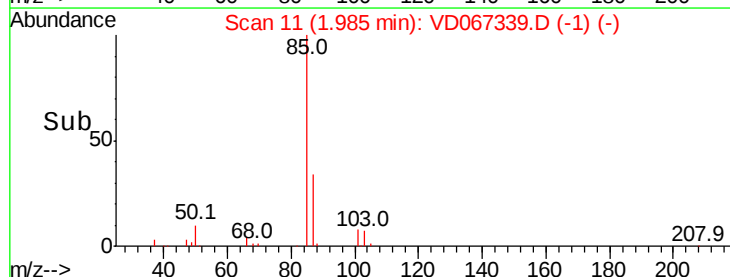
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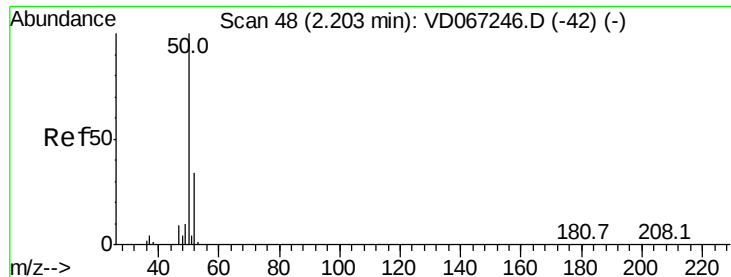
10000

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 :

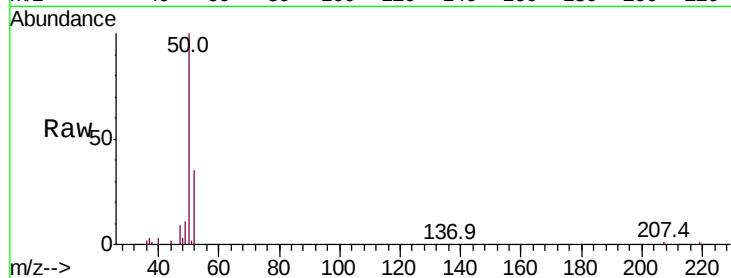
VD1021SBS01

Tot Ion: 50 Resp: 41818

Ion Ratio Lower Upper

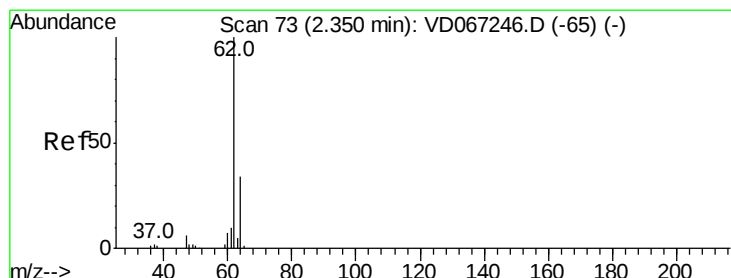
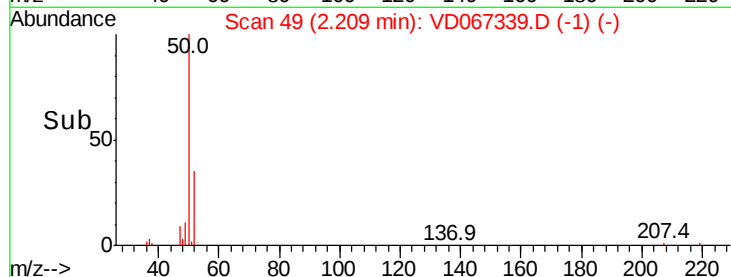
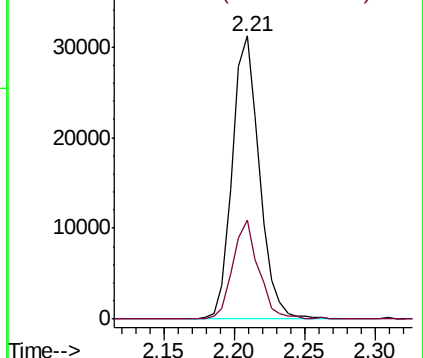
50 100

52 34.8 27.1 40.7



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

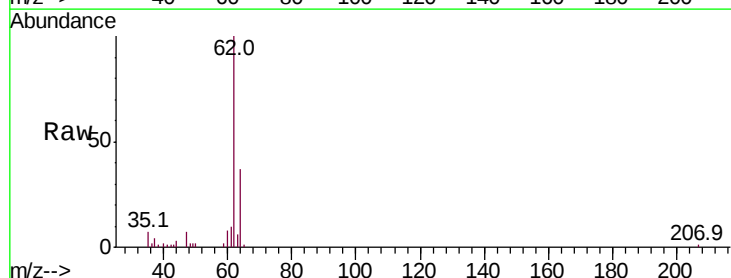
Acq: 21 Oct 2020 11:20

Tgt Ion: 62 Resp: 44610

Ion Ratio Lower Upper

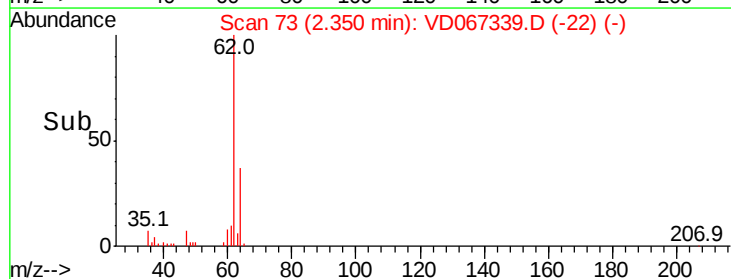
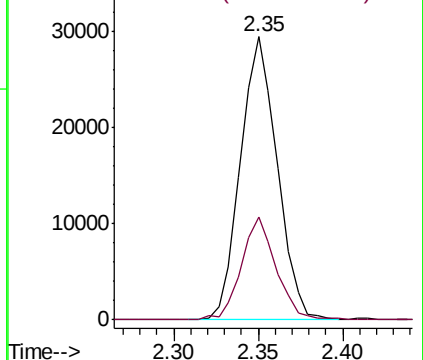
62 100

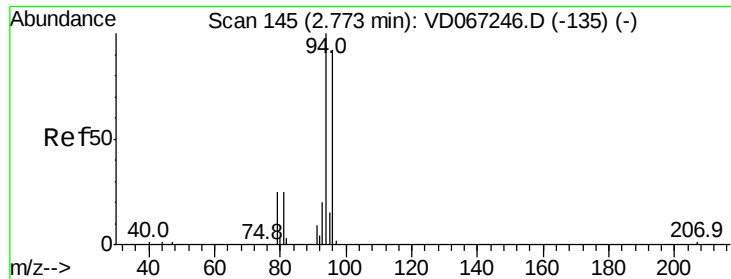
64 36.6 27.4 41.0



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 :

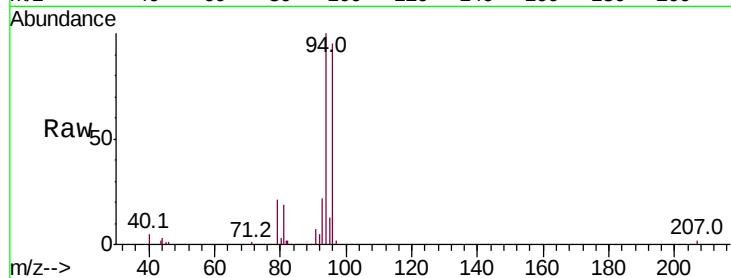
VD1021SBS01

Tot Ion: 94 Resp: 36756

Ion Ratio Lower Upper

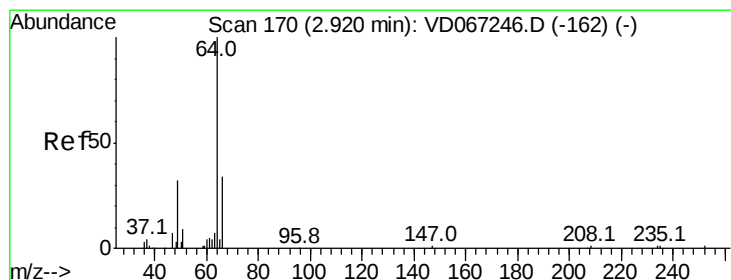
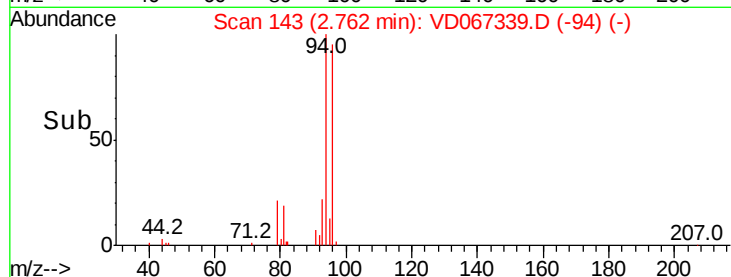
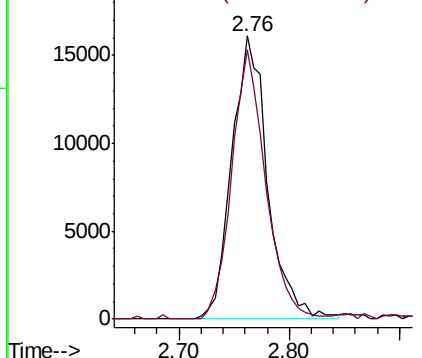
94 100

96 94.9 73.8 110.6



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

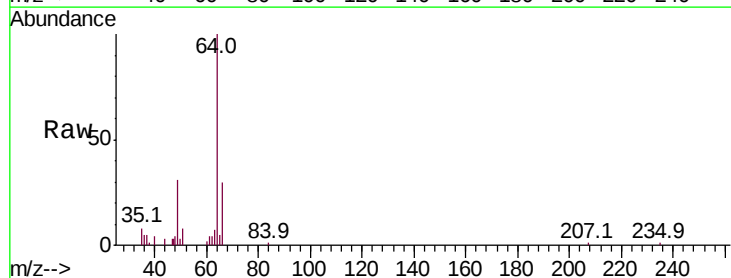
Acq: 21 Oct 2020 11:20

Tgt Ion: 64 Resp: 29085

Ion Ratio Lower Upper

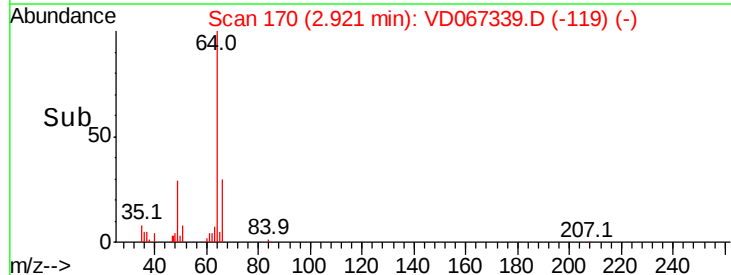
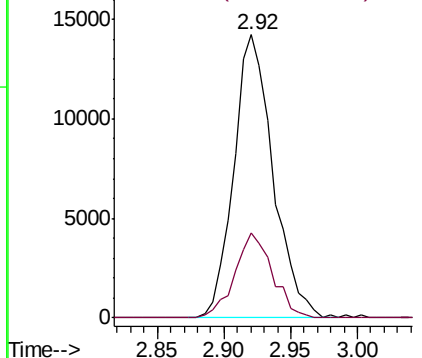
64 100

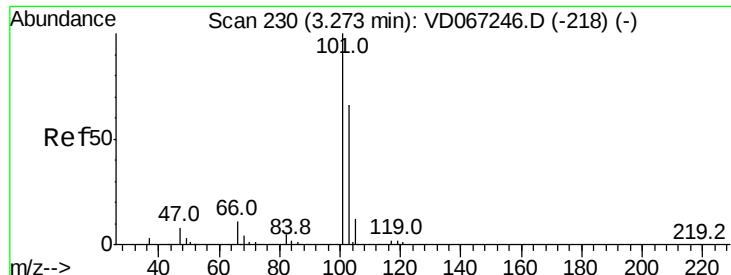
66 30.1 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



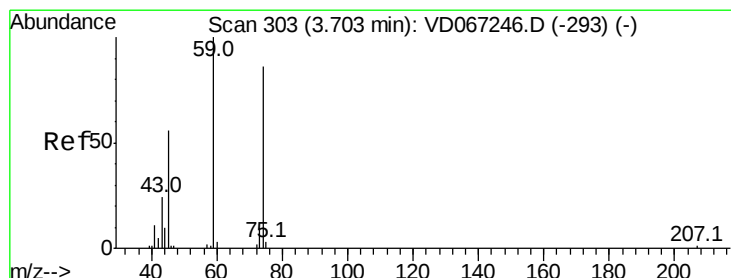
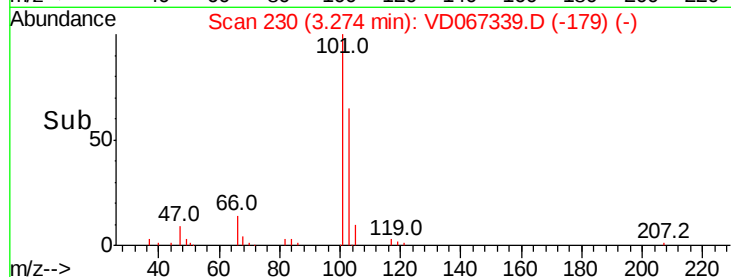
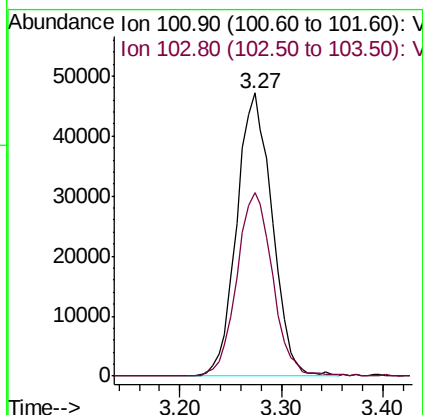
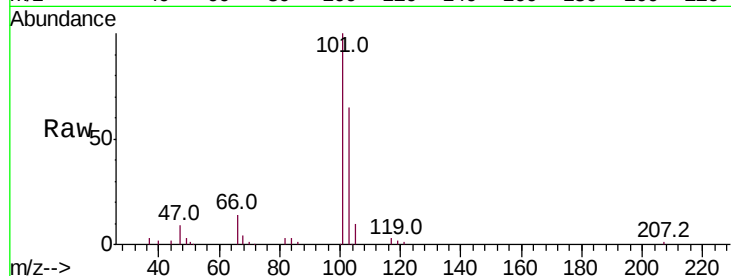


#7

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

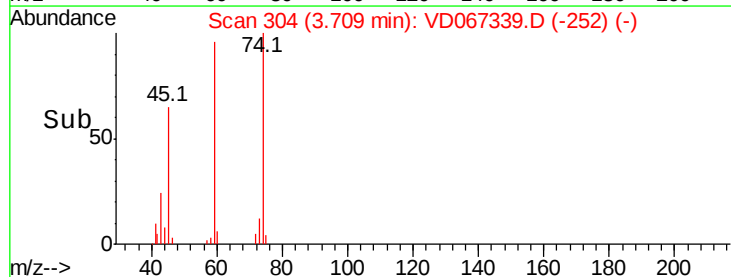
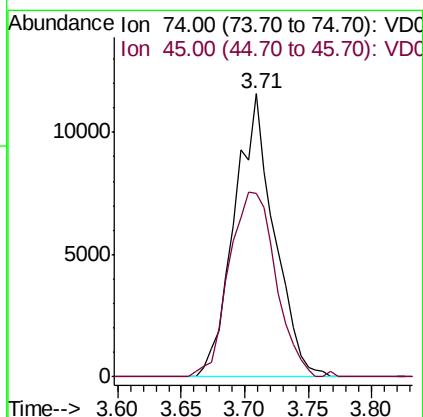
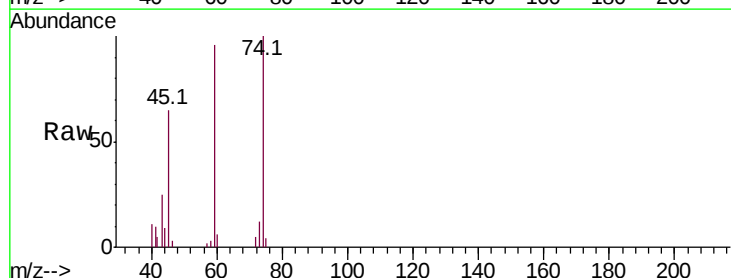
Tot Ion:101 Resp: 114033
 Ion Ratio Lower Upper
 101 100
 103 64.9 53.1 79.7

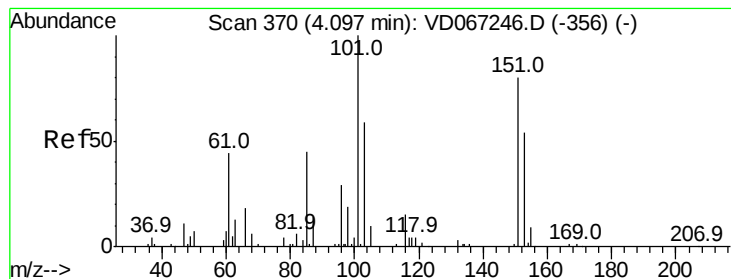


#8

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: 74 Resp: 25088
 Ion Ratio Lower Upper
 74 100
 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

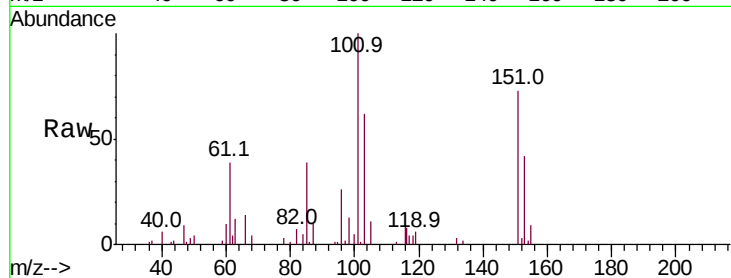
Tot Ion:101 Resp: 59075

Ion Ratio Lower Upper

101 100

85 43.2 34.2 51.4

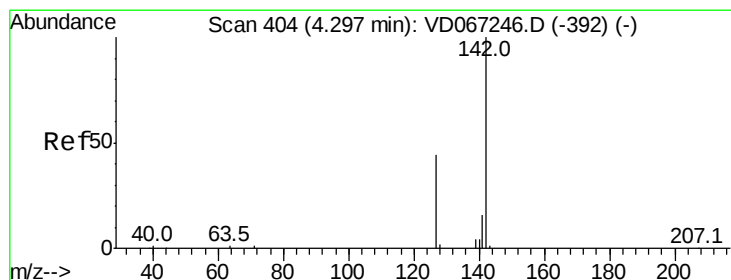
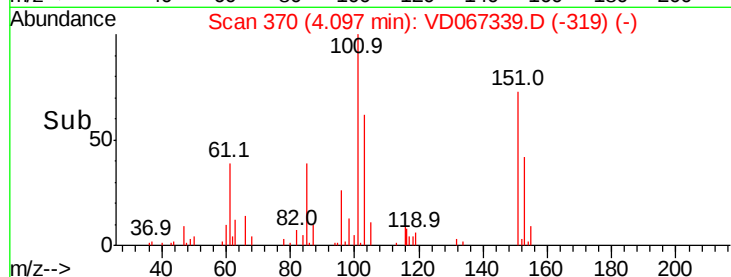
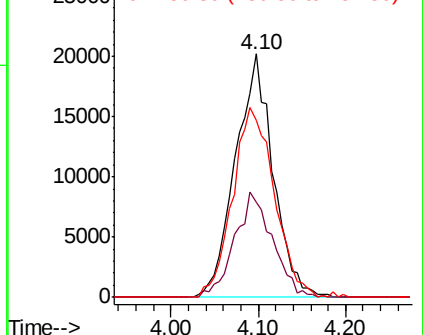
151 86.1 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#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

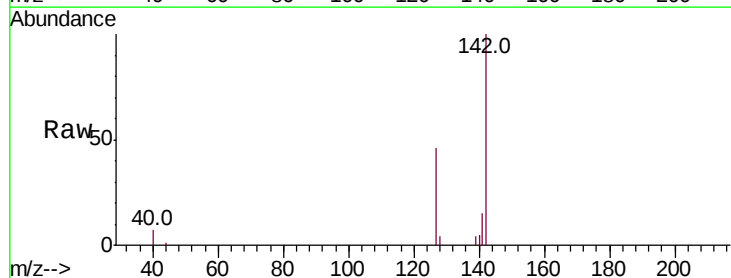
Tgt Ion:142 Resp: 53971

Ion Ratio Lower Upper

142 100

127 50.9 38.4 57.6

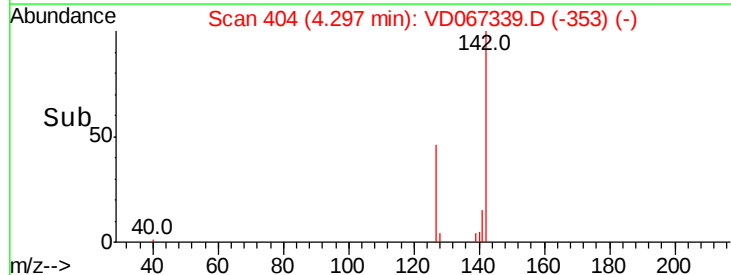
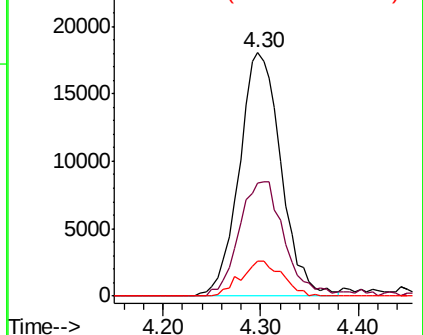
141 14.3 11.6 17.4

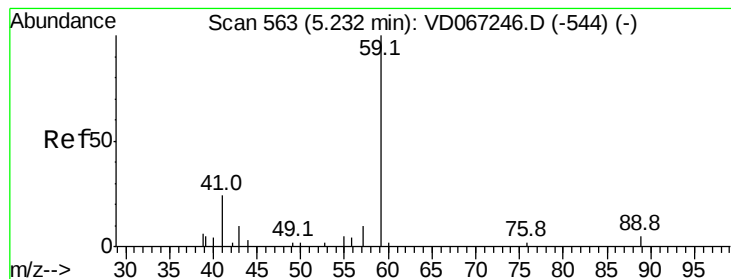


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#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 :

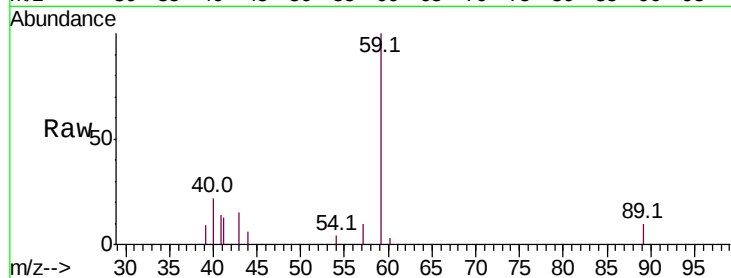
VD1021SBS01

Tot Ion: 59 Resp: 17980

Ion Ratio Lower Upper

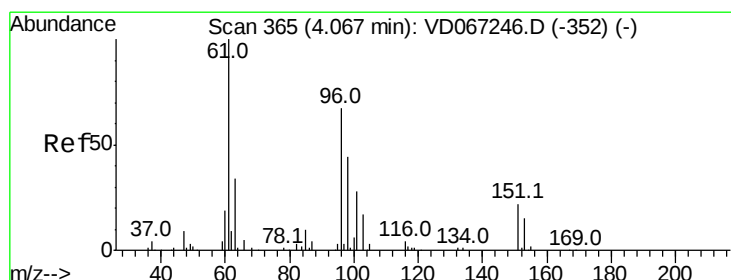
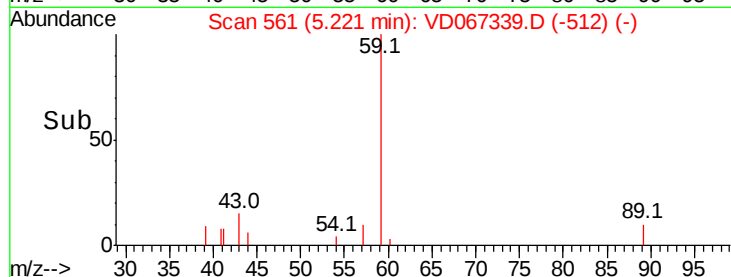
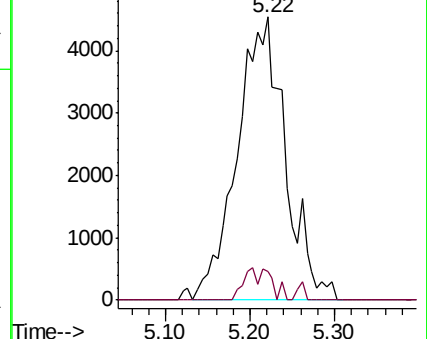
59 100

57 3.2 5.1 7.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#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

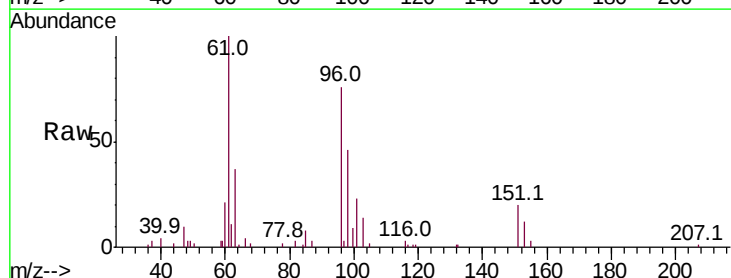
Tgt Ion: 96 Resp: 52608

Ion Ratio Lower Upper

96 100

61 132.2 118.6 177.8

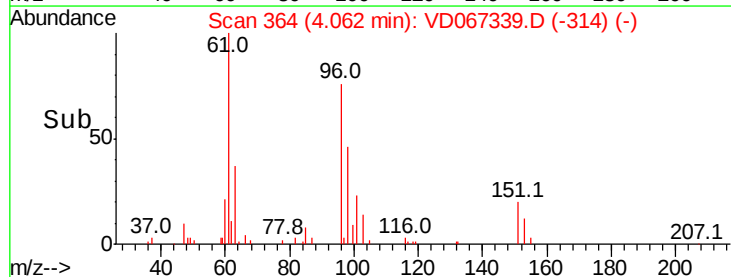
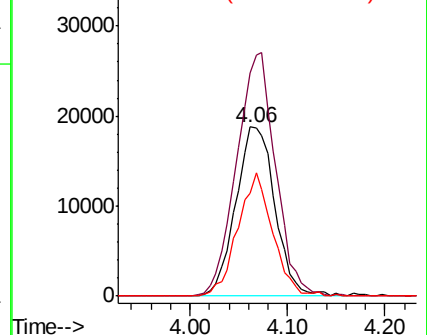
98 60.6 51.8 77.6

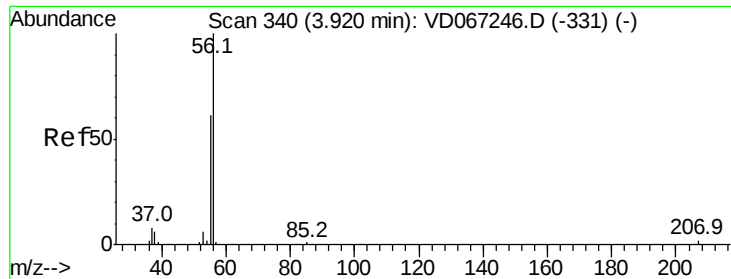


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#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 :

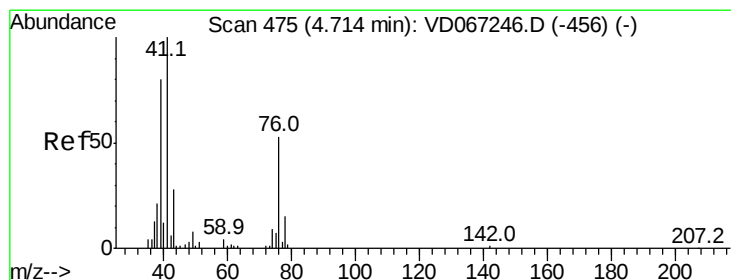
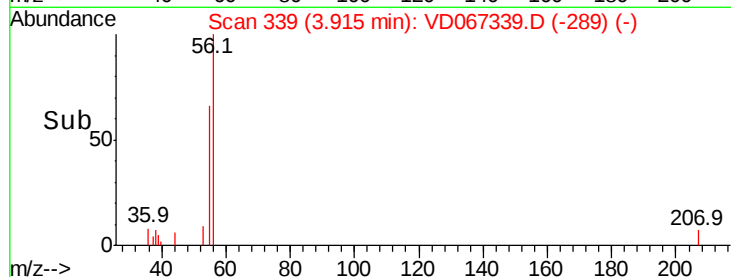
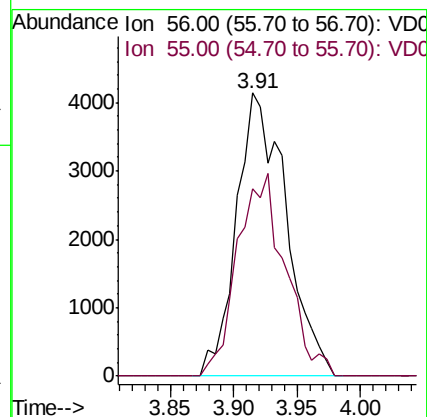
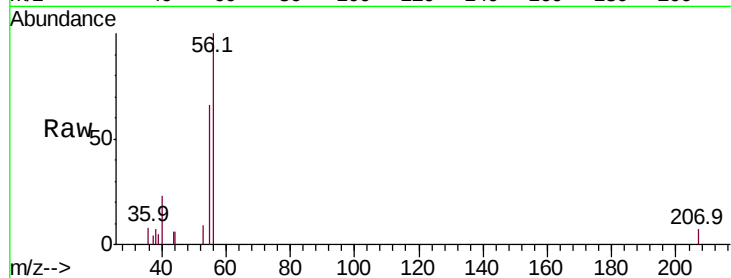
VD1021SBS01

Tot Ion: 56 Resp: 11220

Ion Ratio Lower Upper

56 100

55 69.2 56.0 84.0



#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

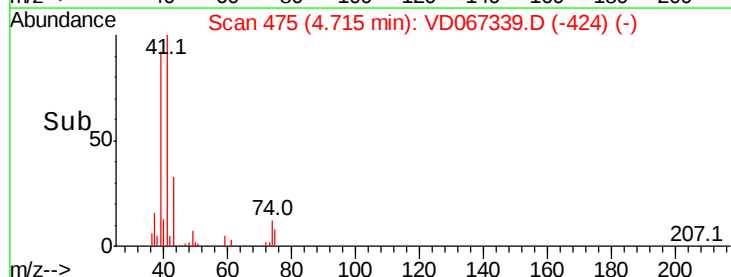
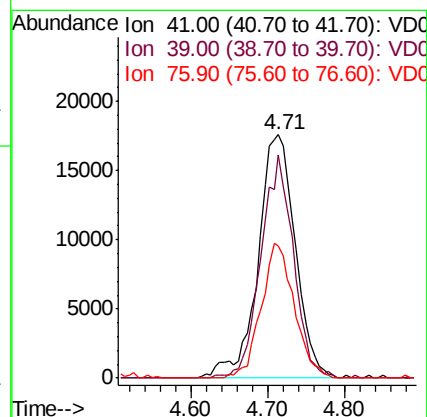
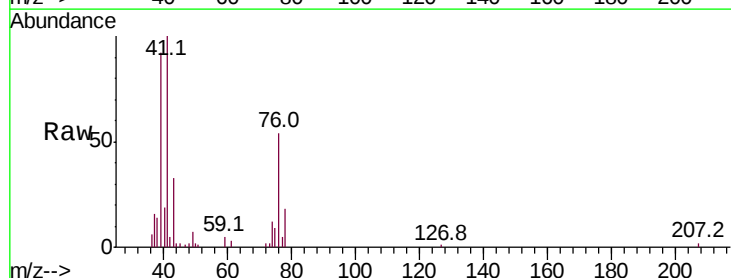
Tgt Ion: 41 Resp: 59349

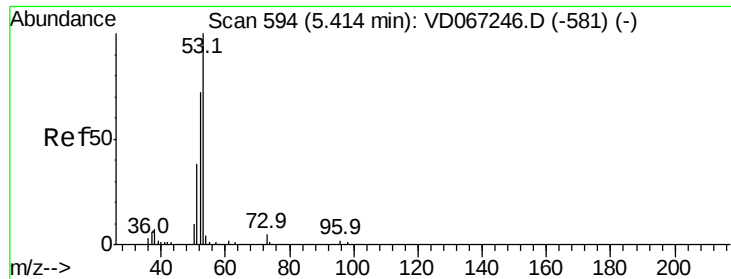
Ion Ratio Lower Upper

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

Instrument :

MSVOA_D

ClientSampleId :

VD1021SBS01

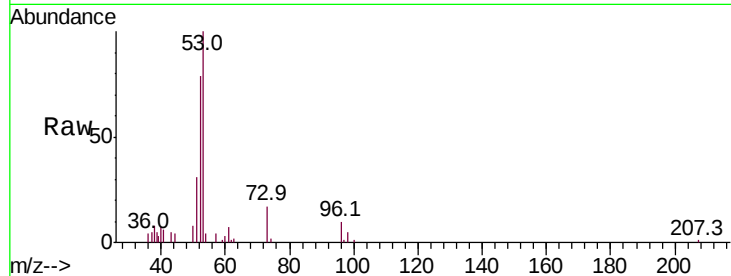
Tot Ion: 53 Resp: 43131

Ion Ratio Lower Upper

53 100

52 78.8 65.6 98.4

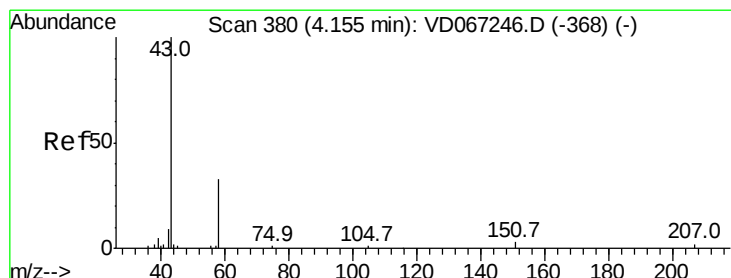
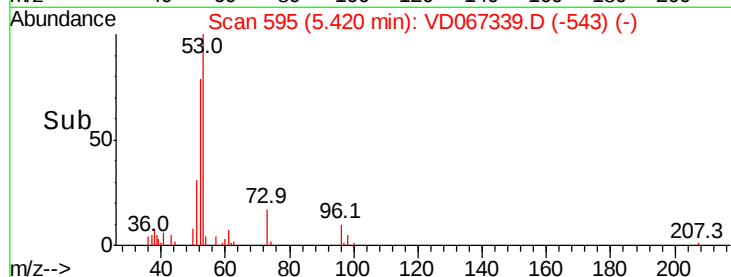
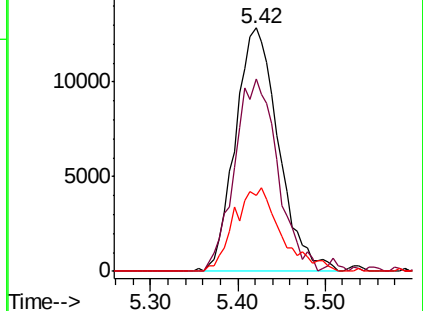
51 37.3 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 92.362 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067339.D

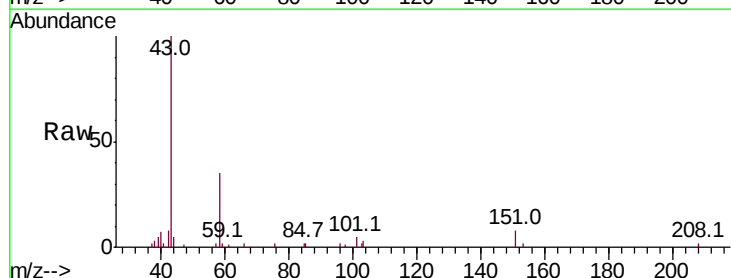
Acq: 21 Oct 2020 11:20

Tgt Ion: 43 Resp: 40784

Ion Ratio Lower Upper

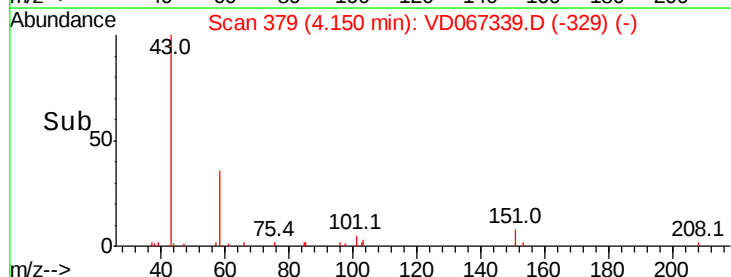
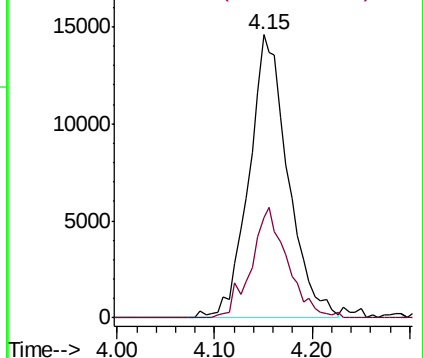
43 100

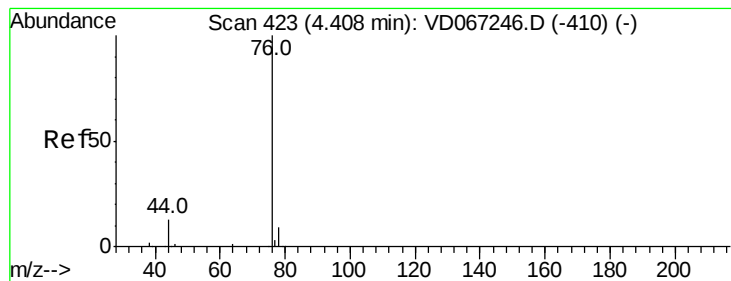
58 35.5 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#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 :

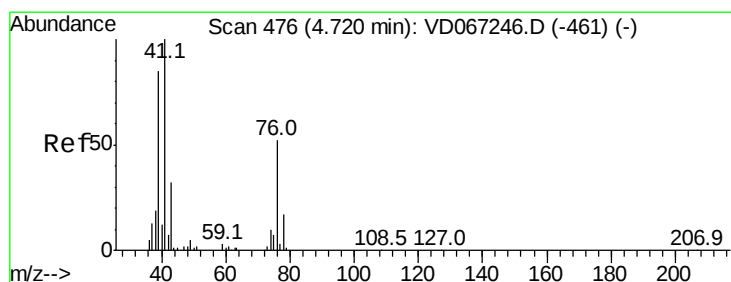
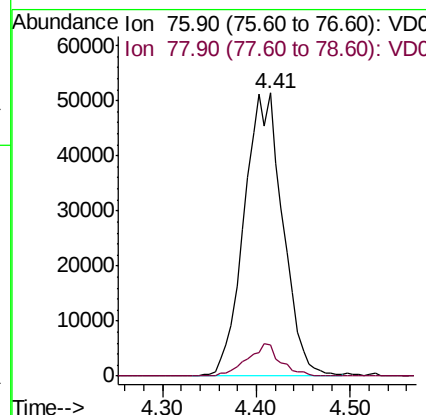
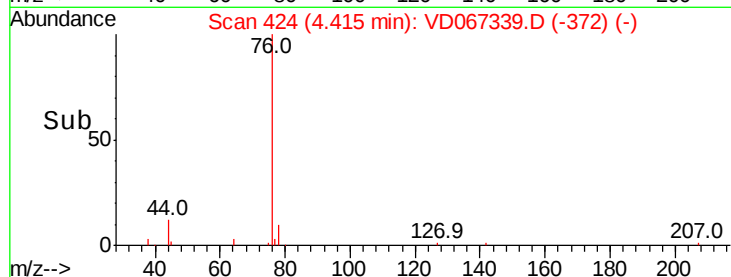
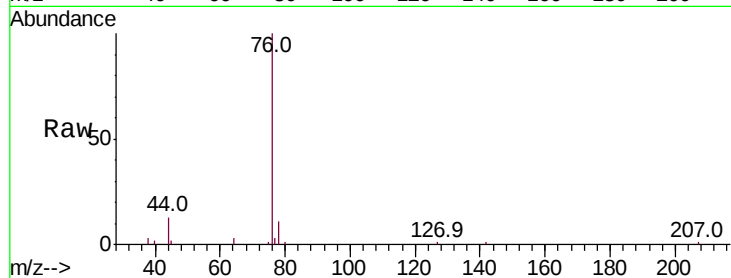
VD1021SBS01

Tot Ion: 76 Resp: 147048

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0



#18

Methyl Acetate

Concen: 19.728 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.02 min

Lab File: VD067339.D

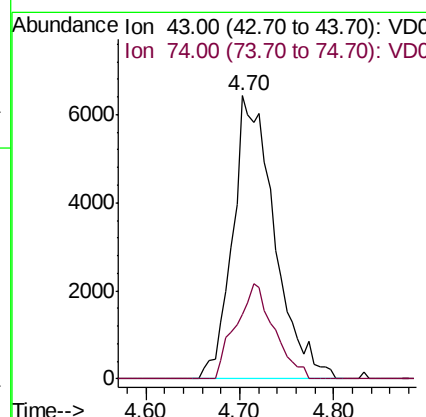
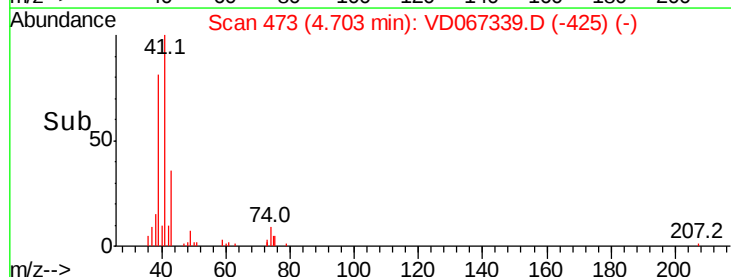
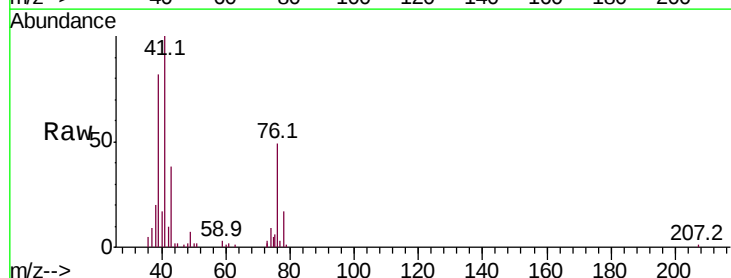
Acq: 21 Oct 2020 11:20

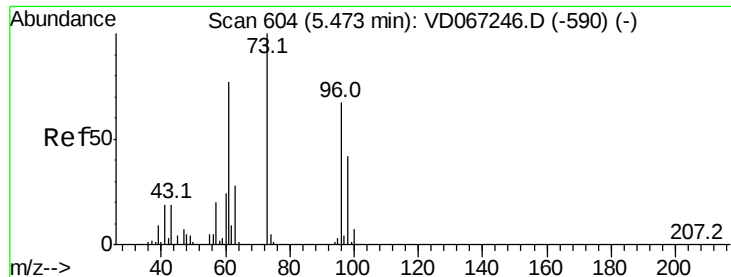
Tgt Ion: 43 Resp: 19869

Ion Ratio Lower Upper

43 100

74 30.6 26.6 39.8



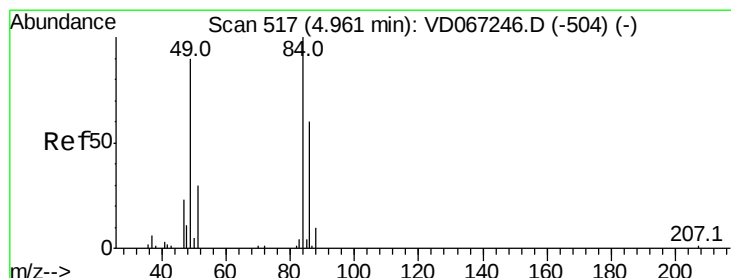
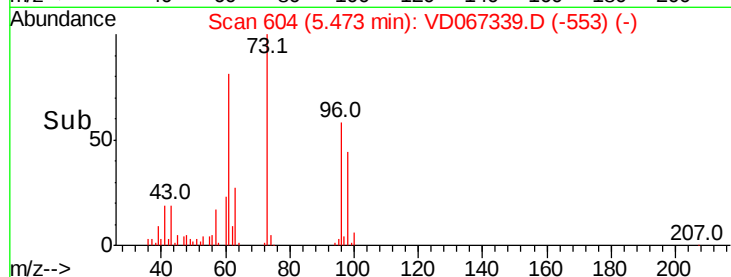
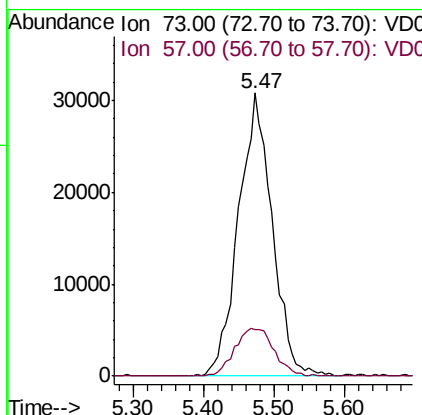
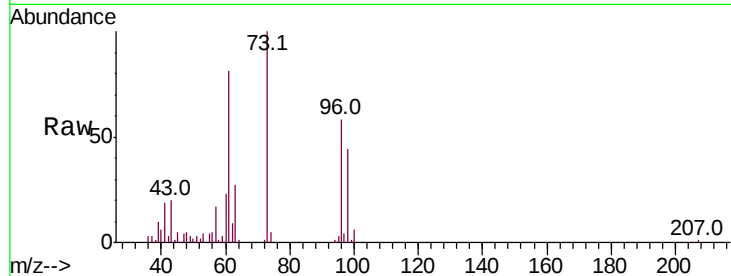


#19

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

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

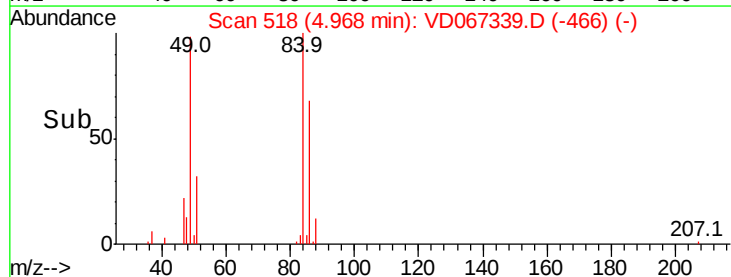
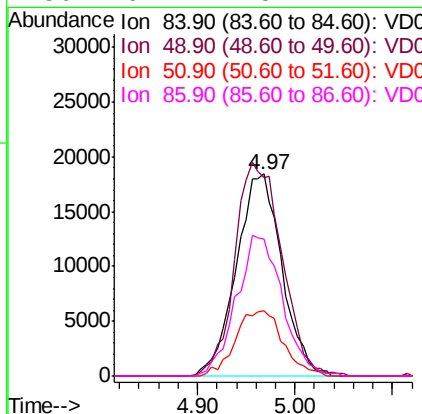
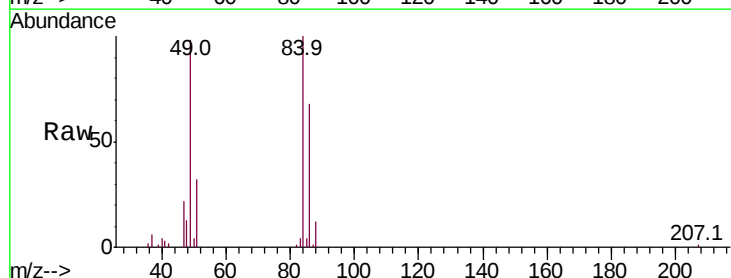
Tot Ion: 73 Resp: 102234
 Ion Ratio Lower Upper
 73 100
 57 16.7 15.7 23.5

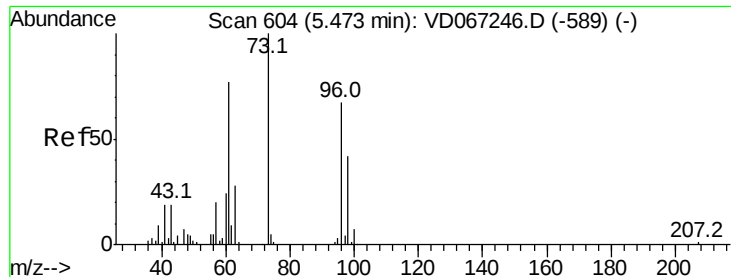


#20

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: 84 Resp: 60042
 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

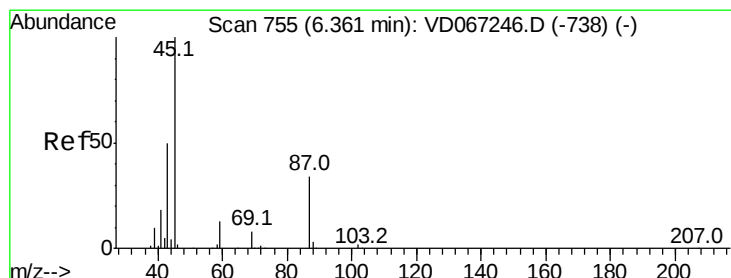
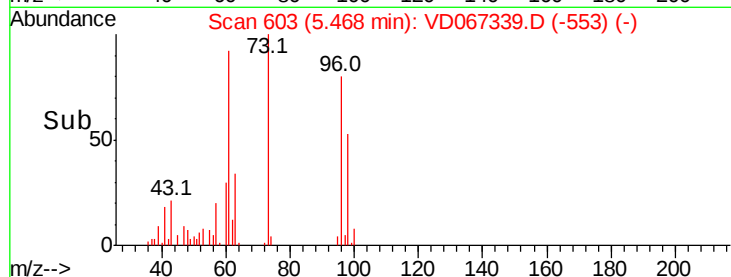
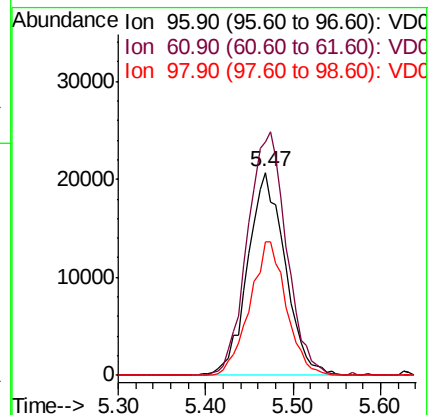
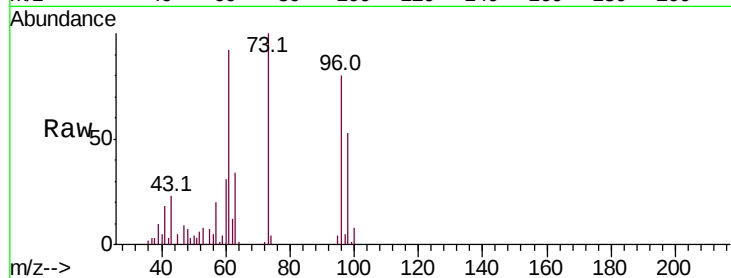
Tot Ion: 96 Resp: 60300

Ion Ratio Lower Upper

96 100

61 115.4 92.0 138.0

98 66.0 49.8 74.8



#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

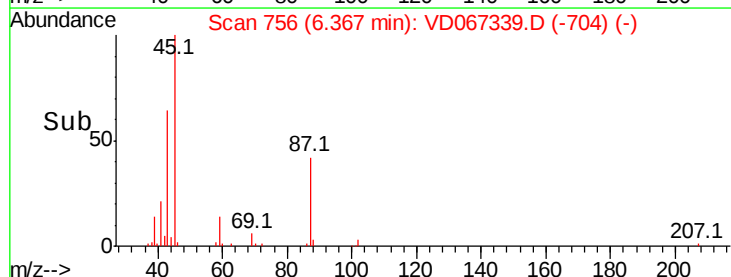
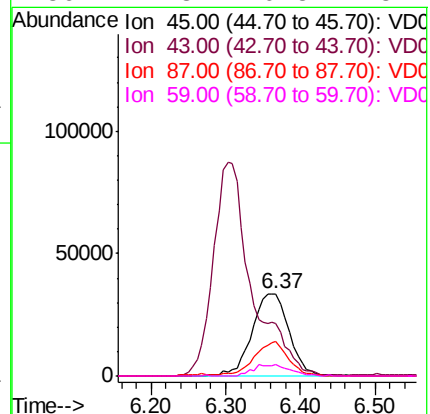
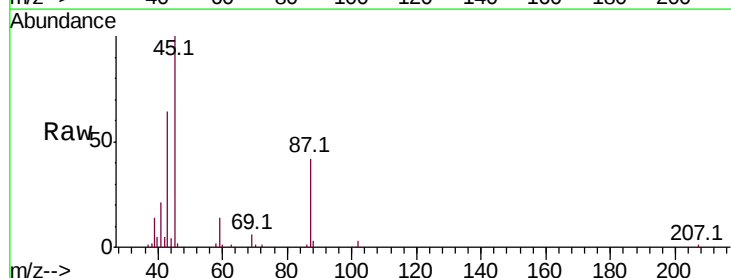
Ion Ratio Lower Upper

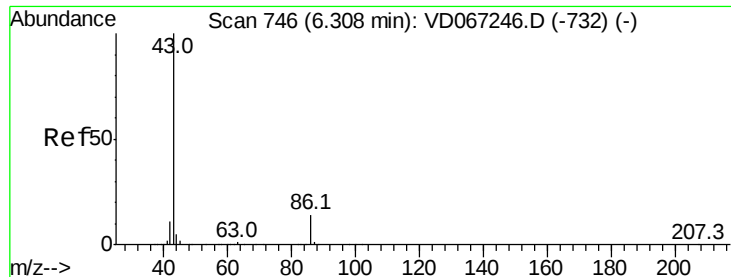
45 100

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 :

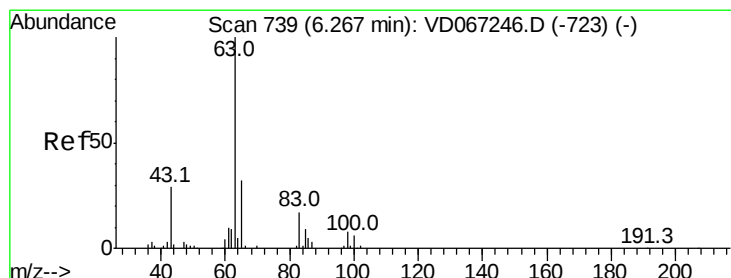
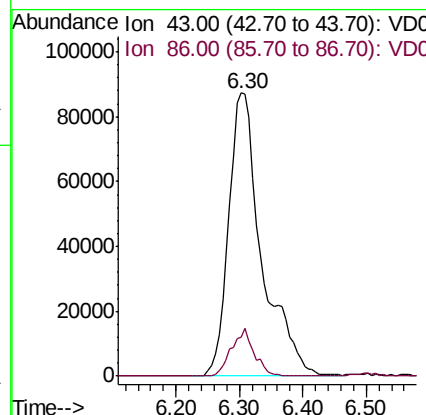
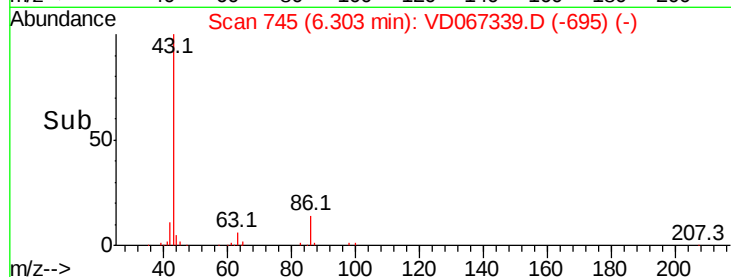
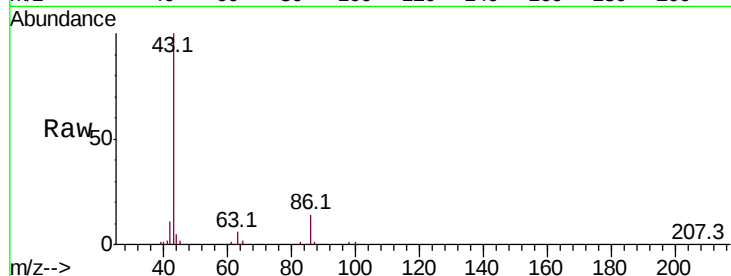
VD1021SBS01

Tot Ion: 43 Resp: 314829

Ion Ratio Lower Upper

43 100

86 14.0 11.0 16.6



#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

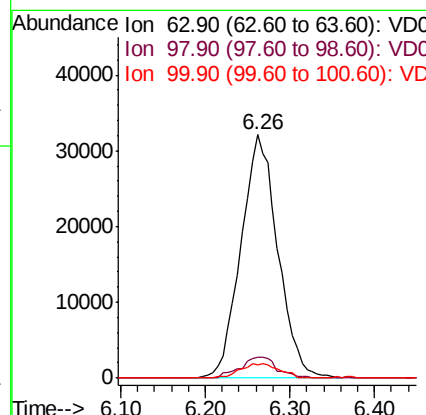
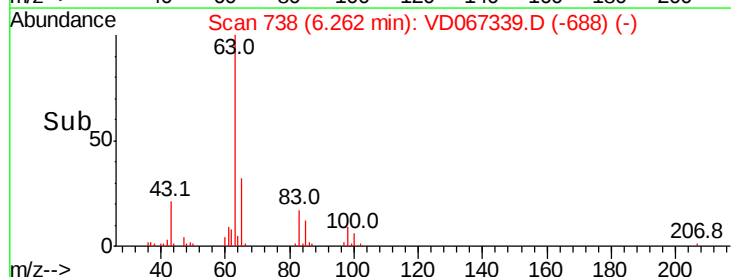
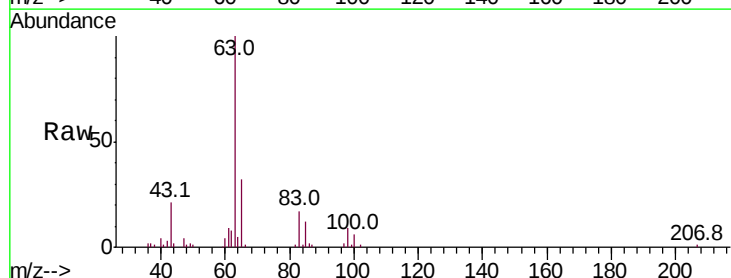
Tgt Ion: 63 Resp: 96930

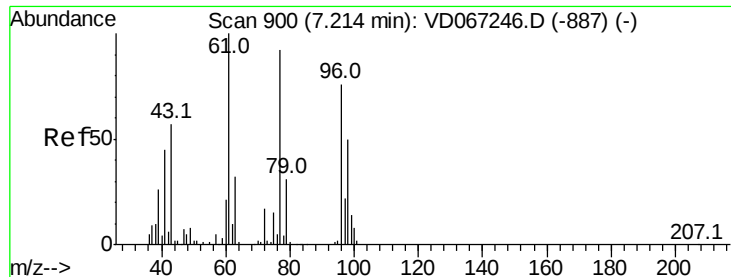
Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

100 5.6 2.8 8.4

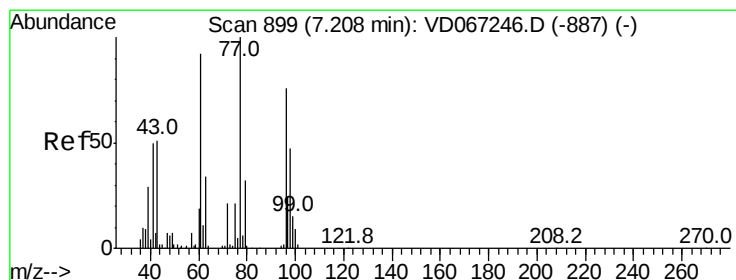
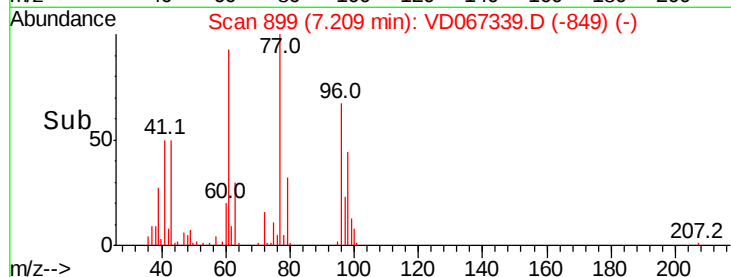
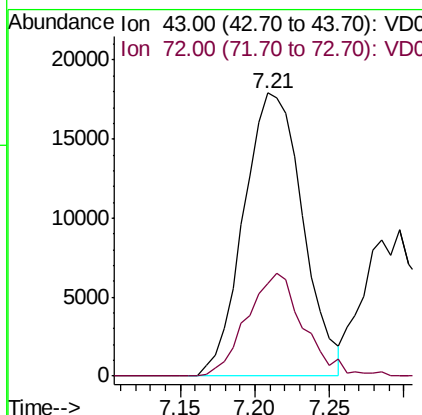
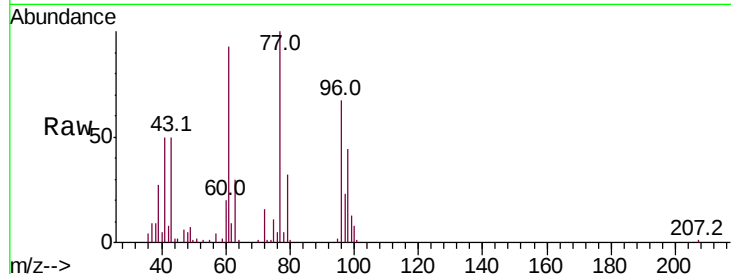




#25
2-Butanone
Concen: 97.929 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

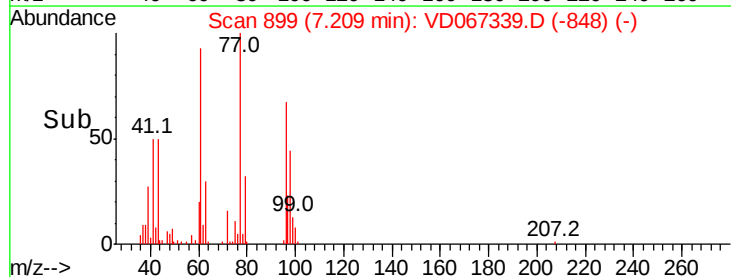
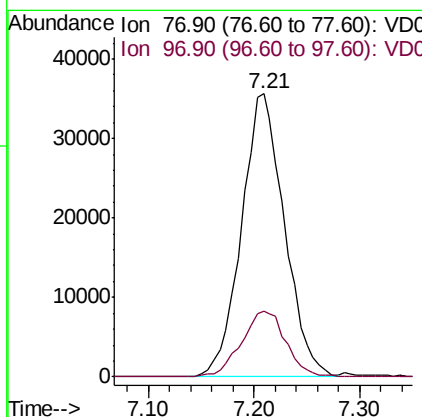
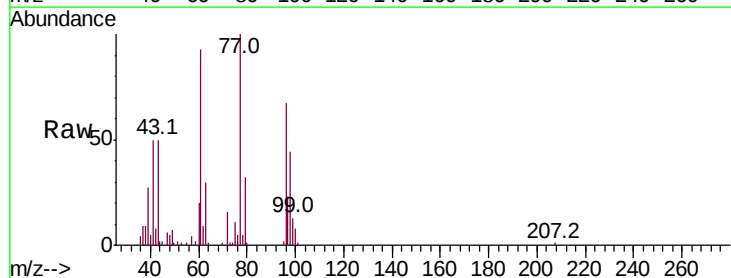
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

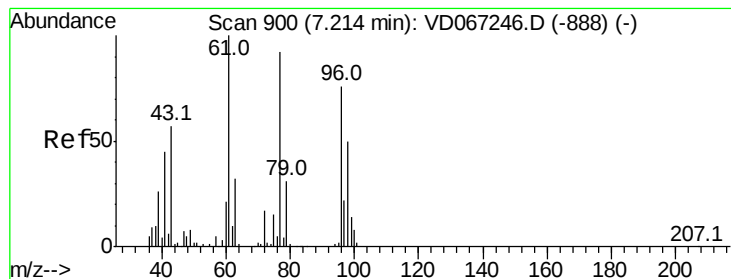
Tot Ion: 43 Resp: 49292
Ion Ratio Lower Upper
43 100
72 32.5 23.7 35.5



#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



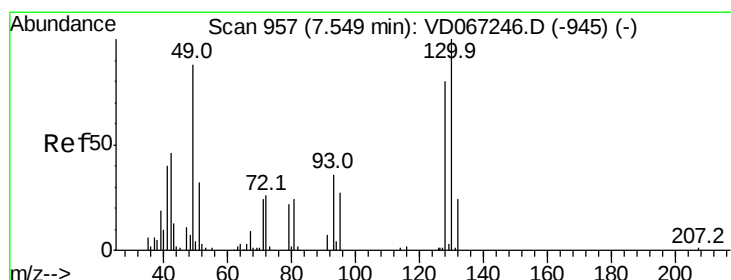
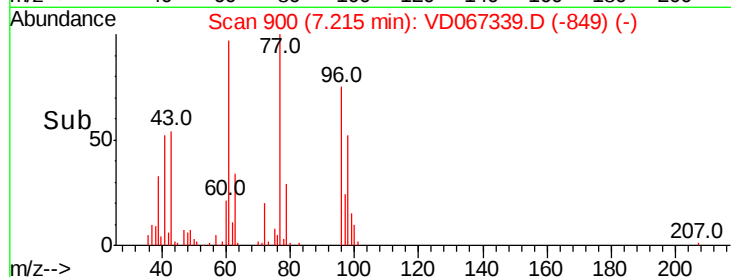
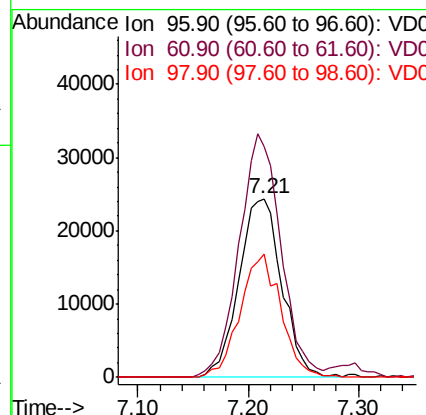
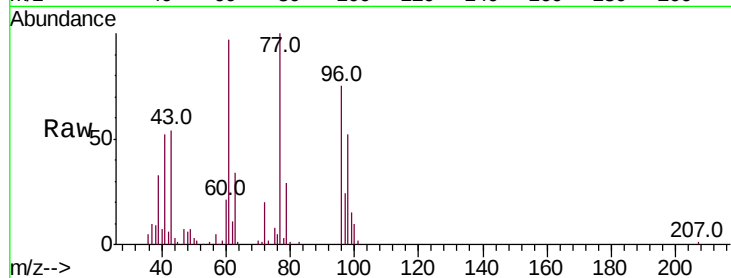


#27

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

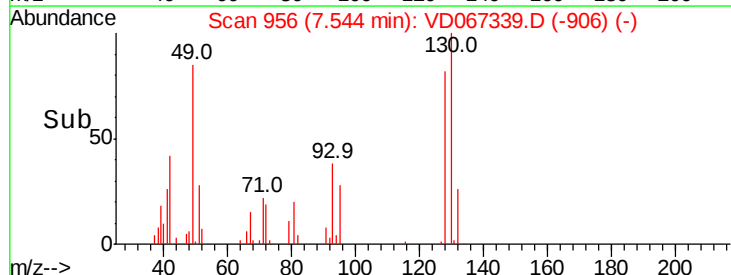
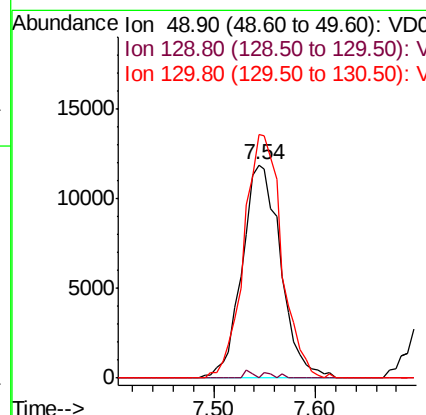
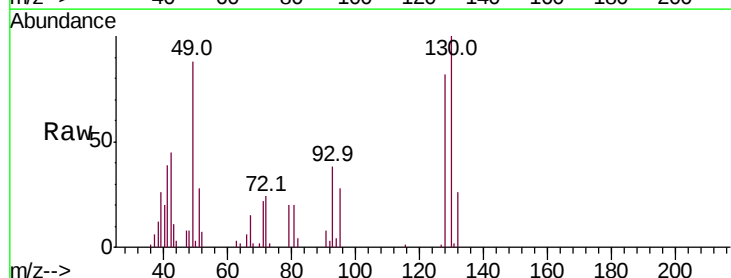
Tot Ion: 96 Resp: 66533
Ion Ratio Lower Upper
96 100
61 132.8 0.0 255.4
98 65.6 0.0 128.0

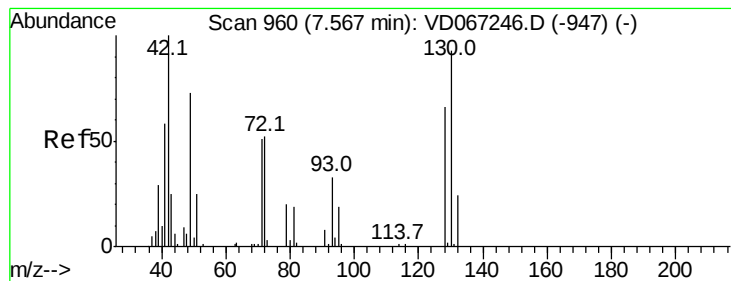


#28

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: 49 Resp: 31470
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

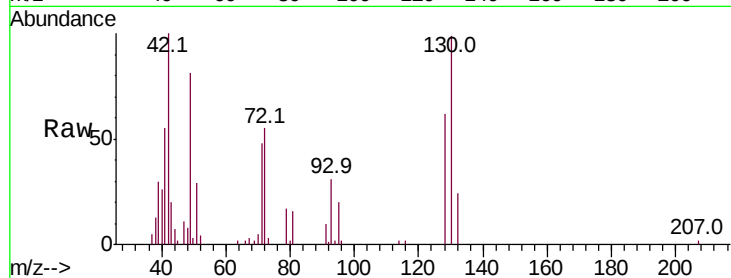
Tot Ion: 42 Resp: 29242

Ion Ratio Lower Upper

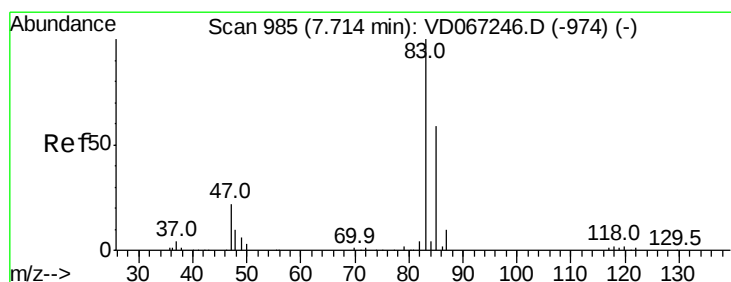
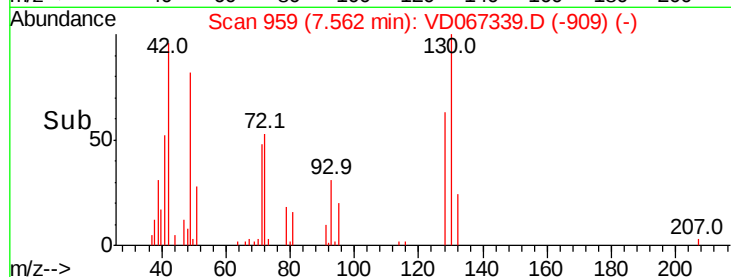
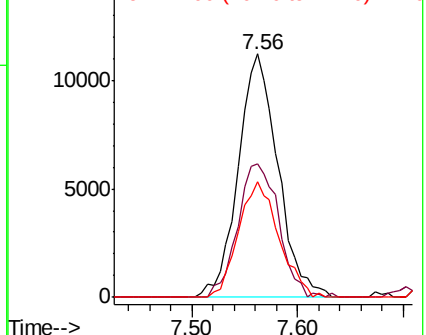
42 100

72 56.5 43.2 64.8

71 48.3 39.4 59.0



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



#30

Chloroform

Concen: 21.129 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067339.D

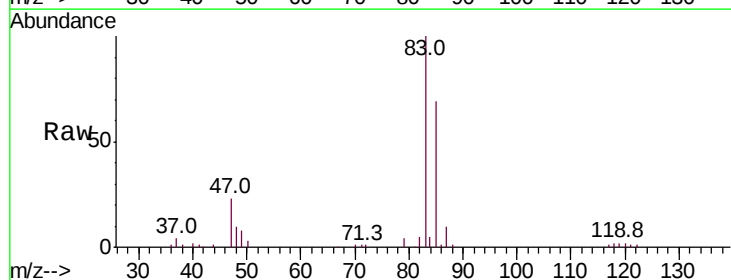
Acq: 21 Oct 2020 11:20

Tgt Ion: 83 Resp: 117403

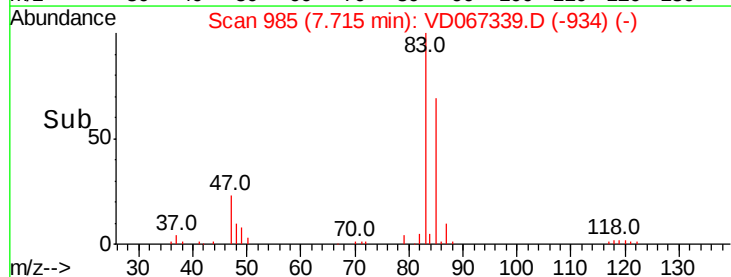
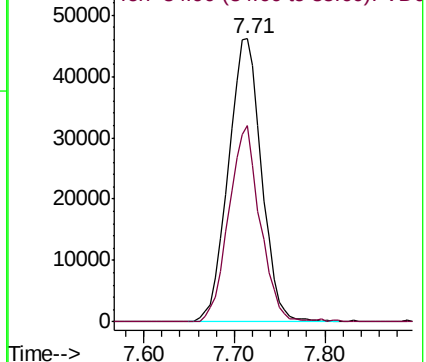
Ion Ratio Lower Upper

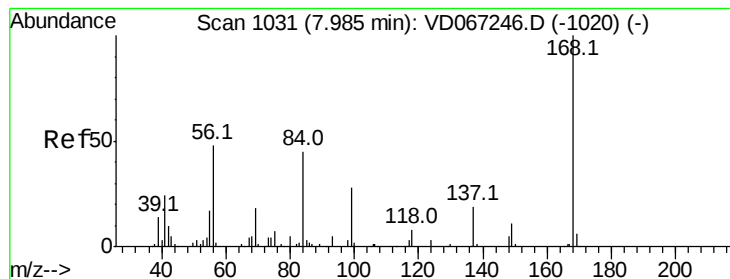
83 100

85 69.4 47.3 70.9



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





#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

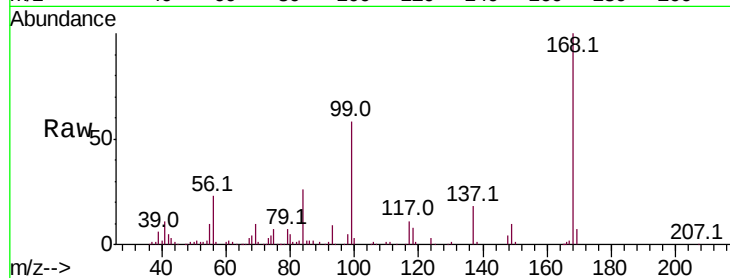
Tot Ion: 56 Resp: 72341

Ion Ratio Lower Upper

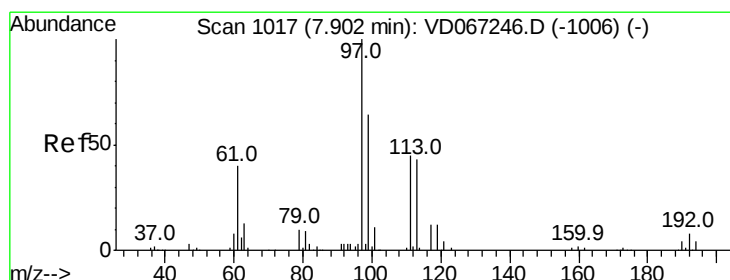
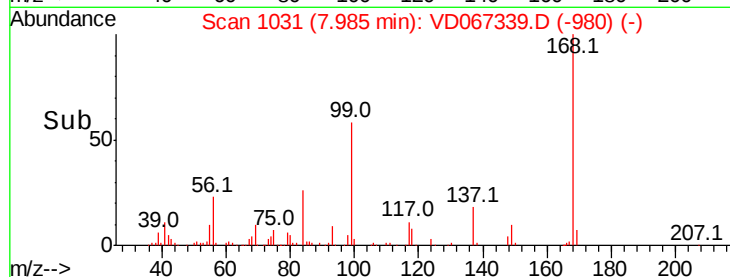
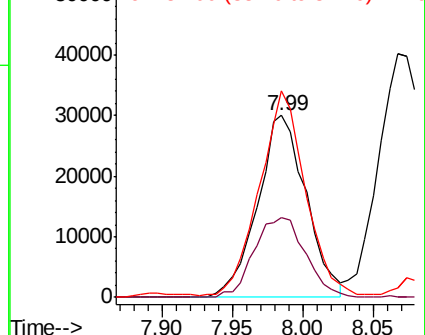
56 100

69 43.9 29.8 44.6

84 111.5 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#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

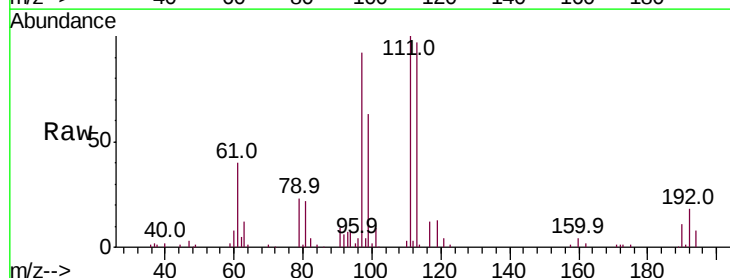
Tgt Ion: 97 Resp: 114695

Ion Ratio Lower Upper

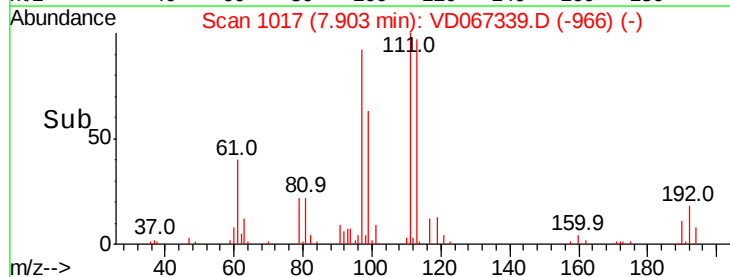
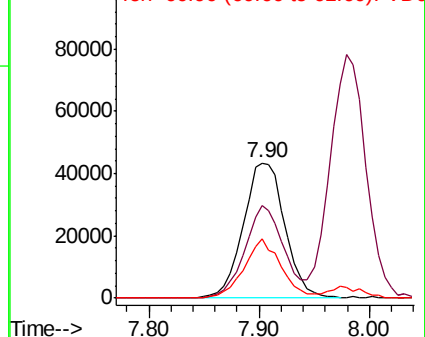
97 100

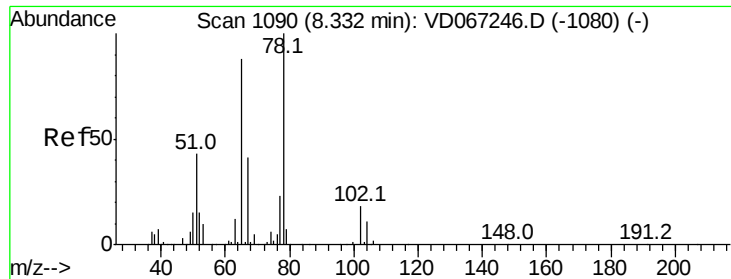
99 64.8 50.2 75.4

61 39.2 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#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 :

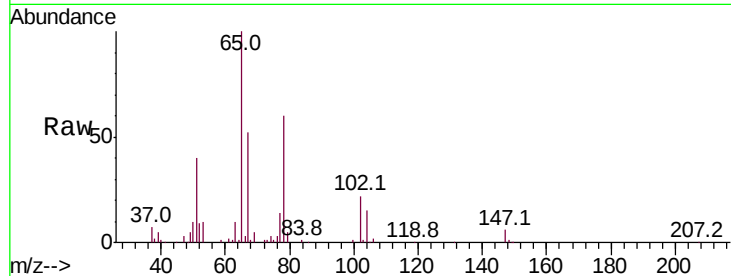
VD1021SBS01

Tot Ion: 65 Resp: 157991

Ion Ratio Lower Upper

65 100

67 51.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

80000

60000

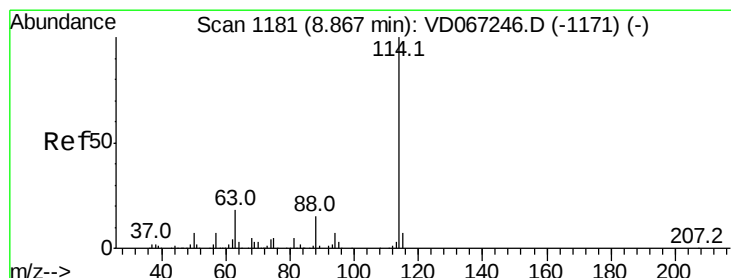
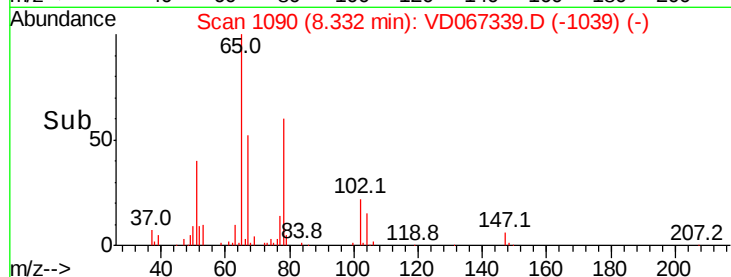
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#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

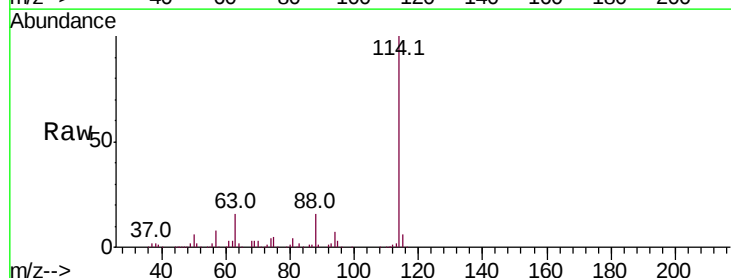
Tgt Ion: 114 Resp: 474882

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 15.5 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

300000

250000

200000

150000

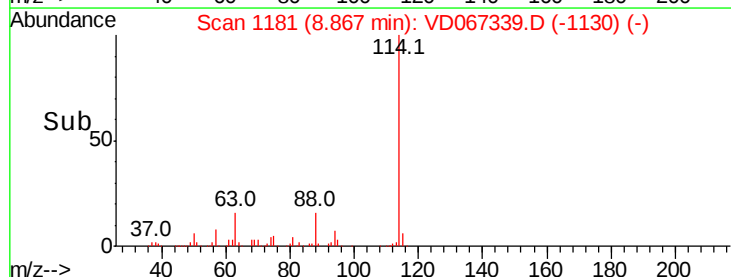
100000

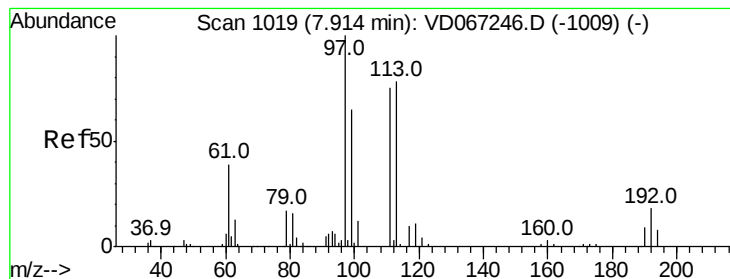
50000

0

8.80 8.90 9.00

Time-->





#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

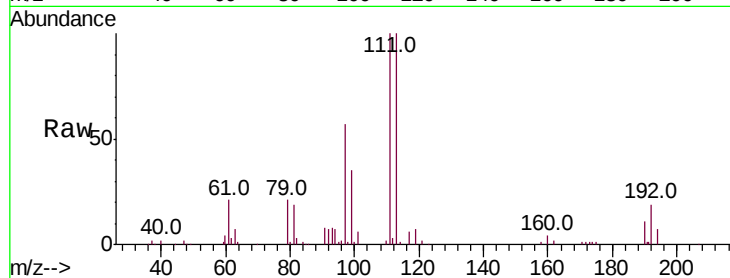
Tot Ion:113 Resp: 164428

Ion Ratio Lower Upper

113 100

111 103.2 81.6 122.4

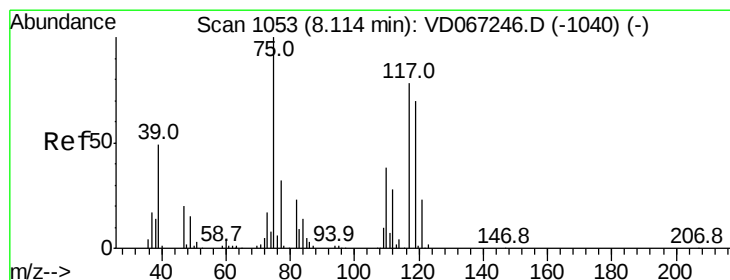
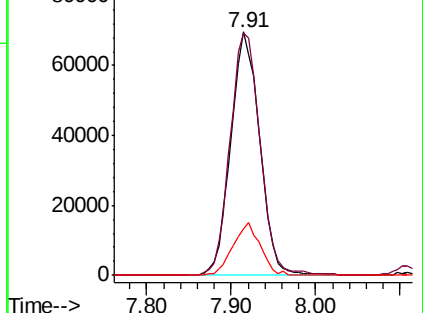
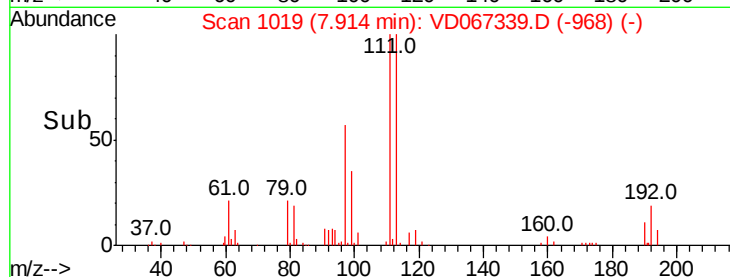
192 20.6 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#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

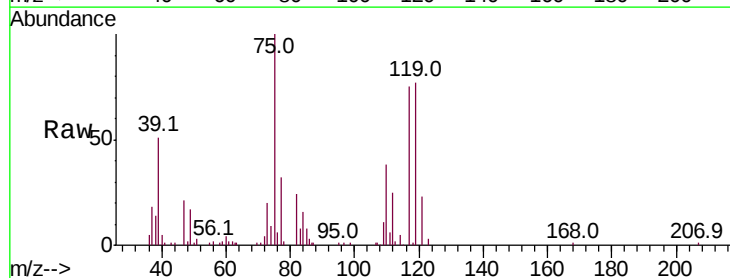
Tgt Ion: 75 Resp: 81513

Ion Ratio Lower Upper

75 100

110 39.4 19.6 58.7

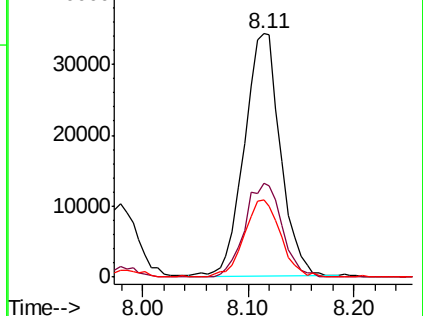
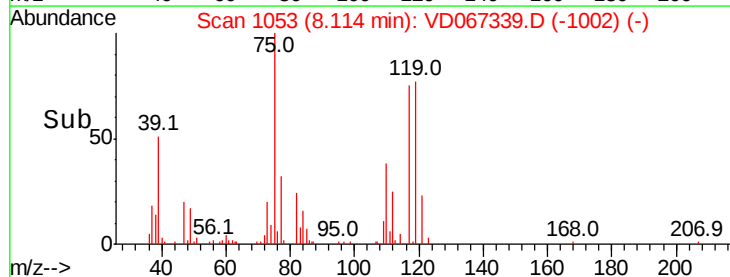
77 31.8 24.6 37.0

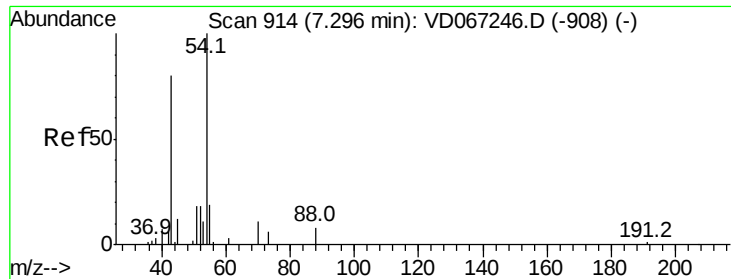


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

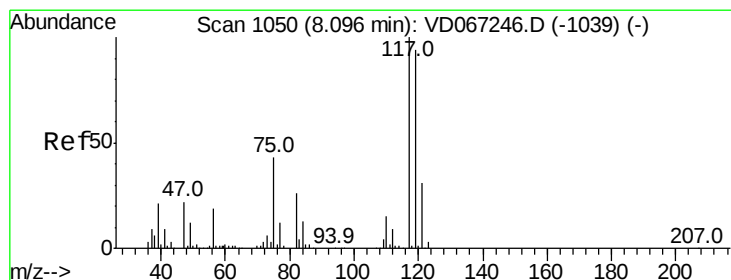
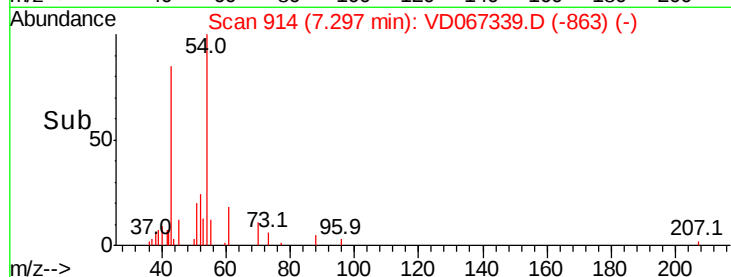
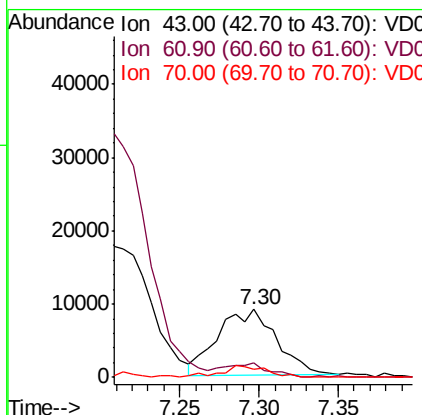
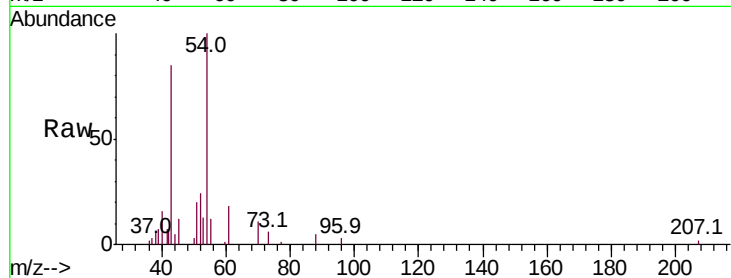




#37
Ethyl Acetate
Concen: 19.632 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

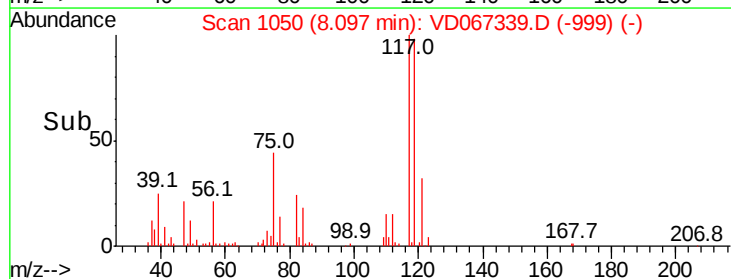
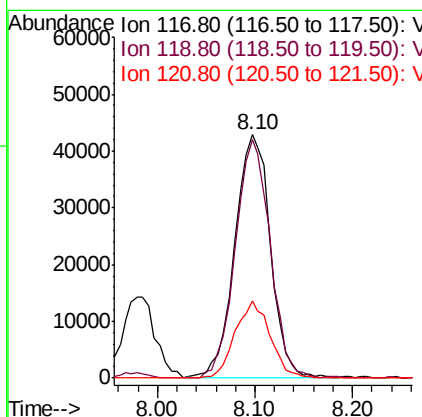
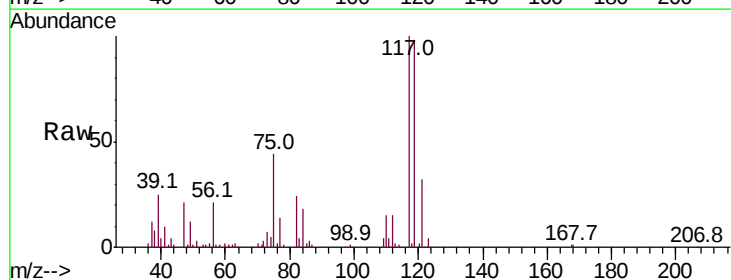
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

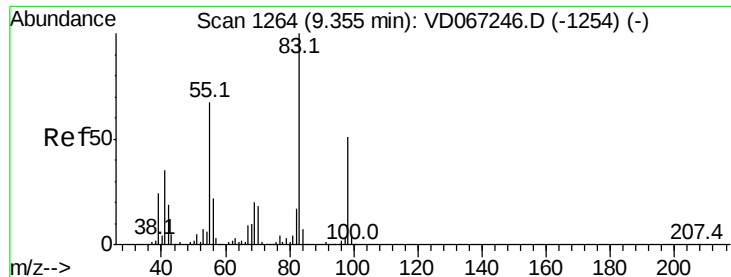
Tot Ion: 43 Resp: 23248
Ion Ratio Lower Upper
43 100
61 16.7 15.6 23.4
70 13.8 10.4 15.6



#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: 117 Resp: 109342
Ion Ratio Lower Upper
117 100
119 98.0 75.0 112.4
121 31.5 24.9 37.3

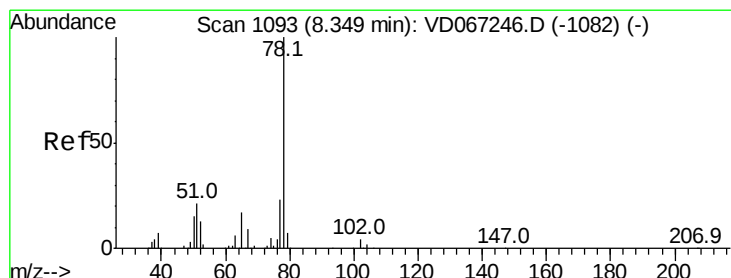
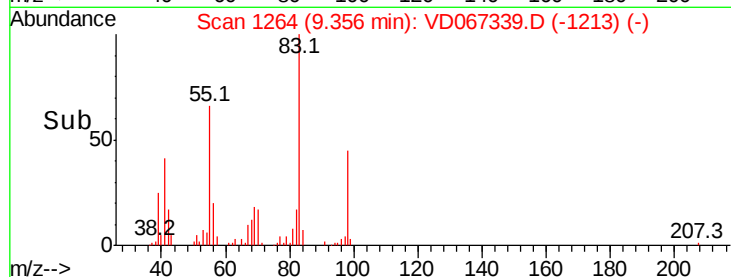
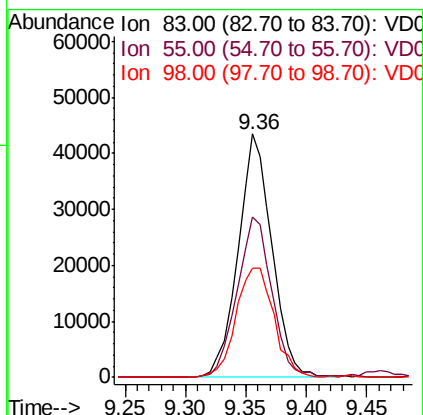
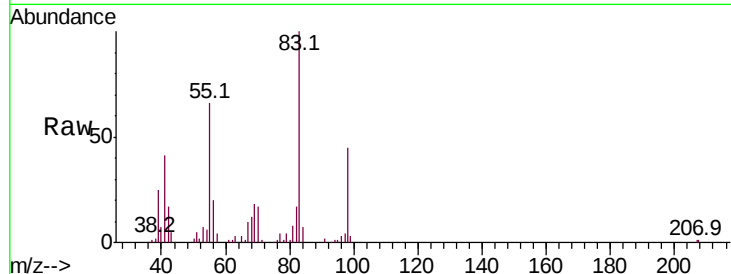




#39
Methvlcvclohexane
Concen: 20.134 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

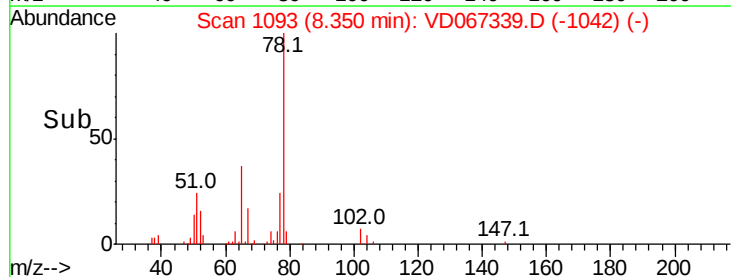
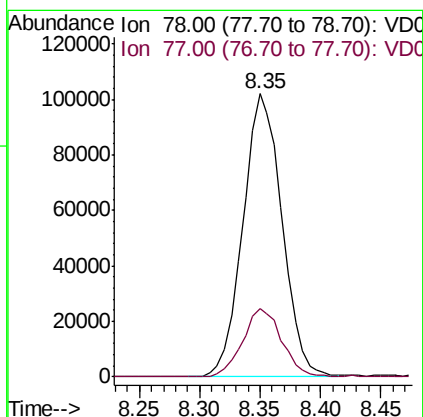
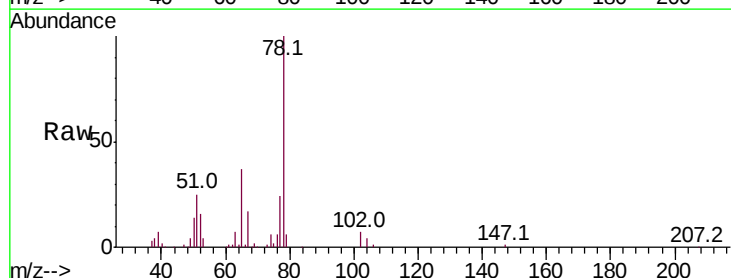
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

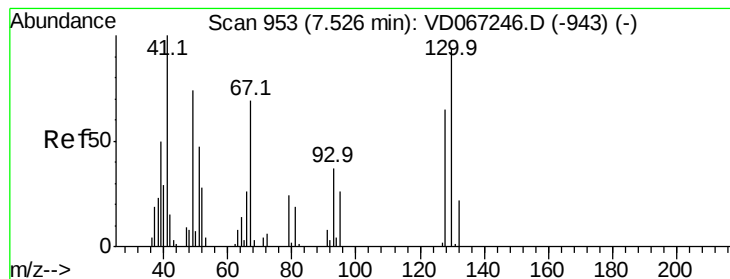
Tot Ion: 83 Resp: 84720
Ion Ratio Lower Upper
83 100
55 65.9 53.3 79.9
98 45.0 41.0 61.4



#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: 78 Resp: 229502
Ion Ratio Lower Upper
78 100
77 24.2 18.3 27.5





#41

Methacrylonitrile

Concen: 25.715 ug/l

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: 16456

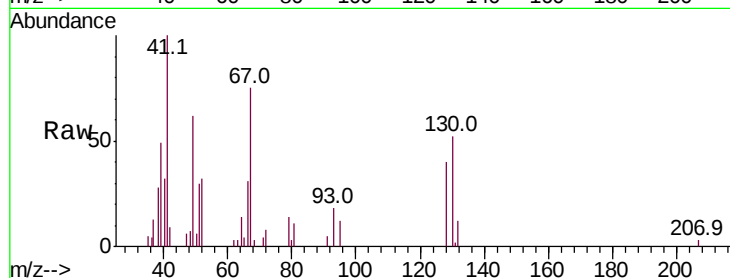
Ion Ratio Lower Upper

41 100

39 48.2 60.0 90.0#

67 80.8 88.9 133.3#

52 31.9 36.9 55.3#

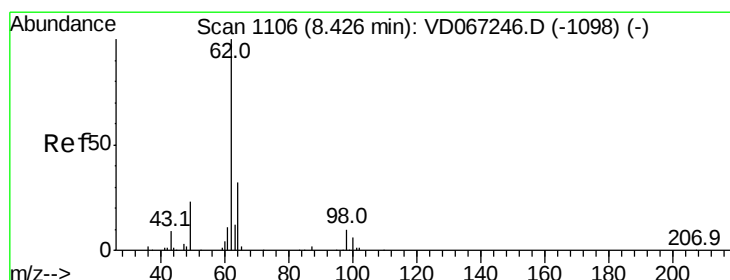
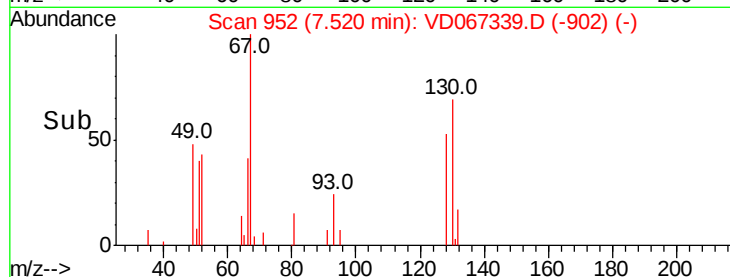
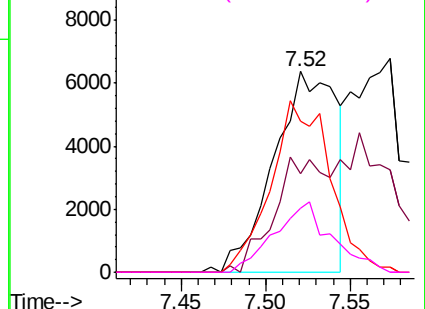


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#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

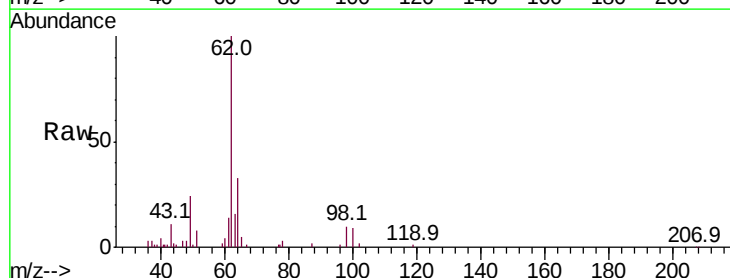
Acq: 21 Oct 2020 11:20

Tgt Ion: 62 Resp: 73710

Ion Ratio Lower Upper

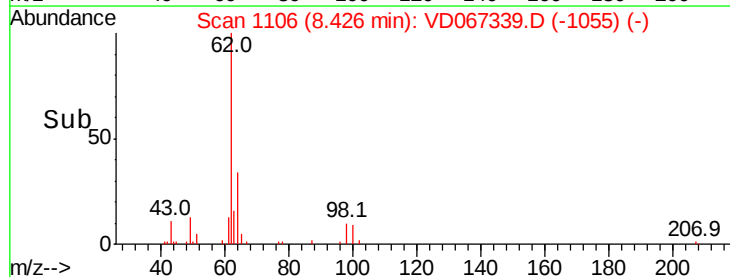
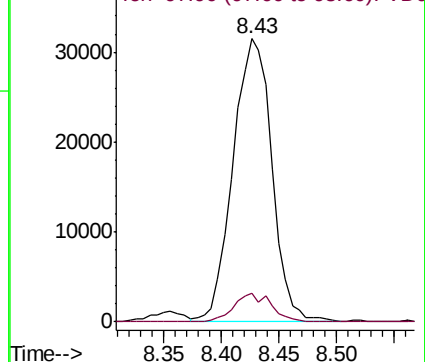
62 100

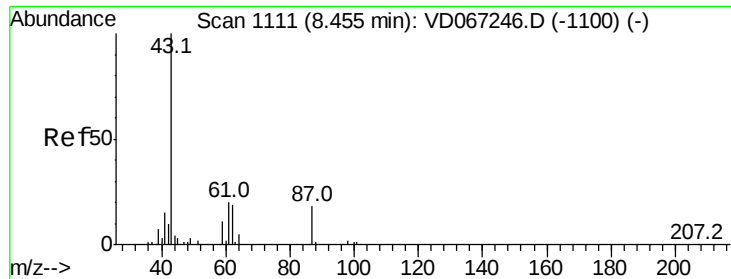
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#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

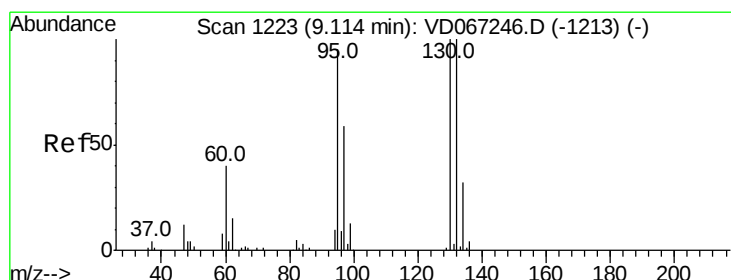
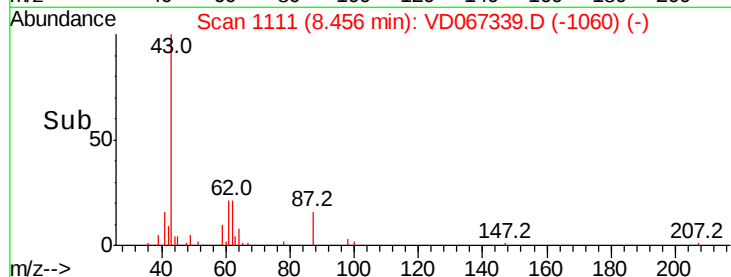
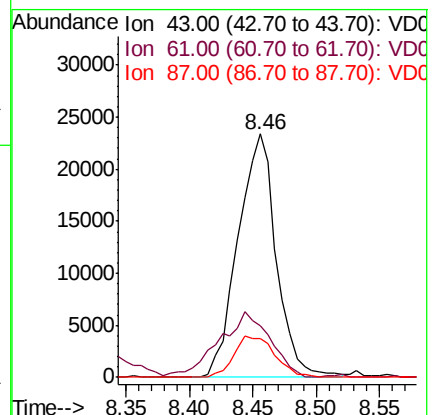
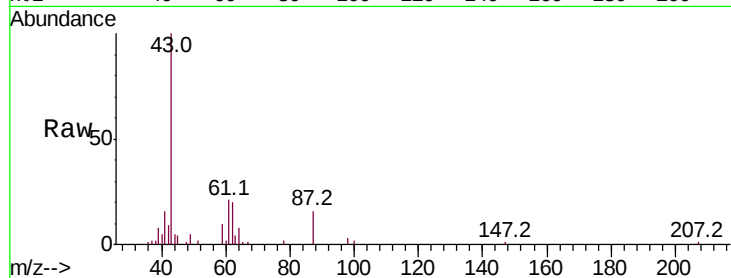
Tot Ion: 43 Resp: 49012

Ion Ratio Lower Upper

43 100

61 36.1 29.5 44.3

87 18.1 14.2 21.4



#44

Trichloroethene

Concen: 20.846 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067339.D

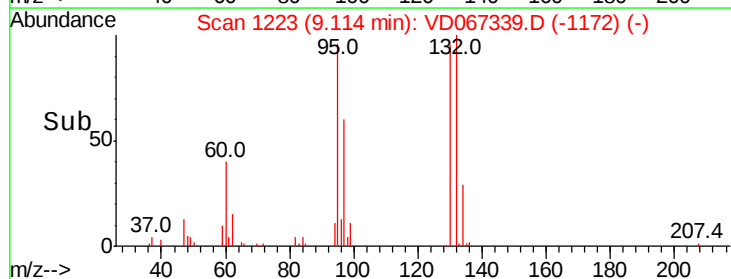
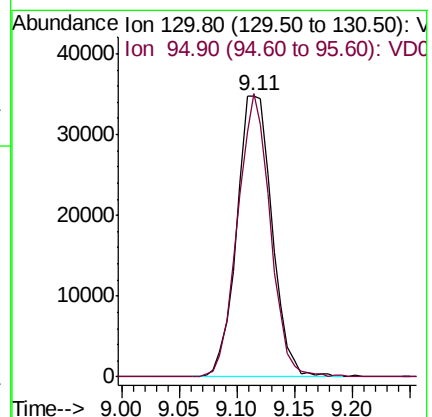
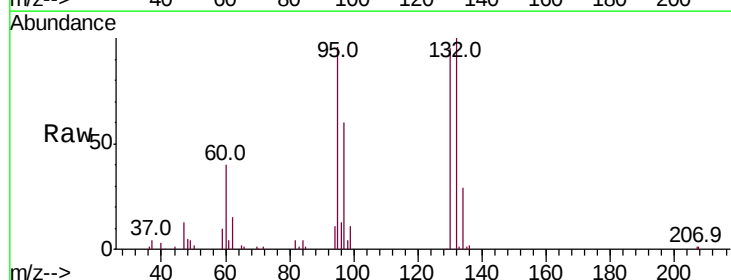
Acq: 21 Oct 2020 11:20

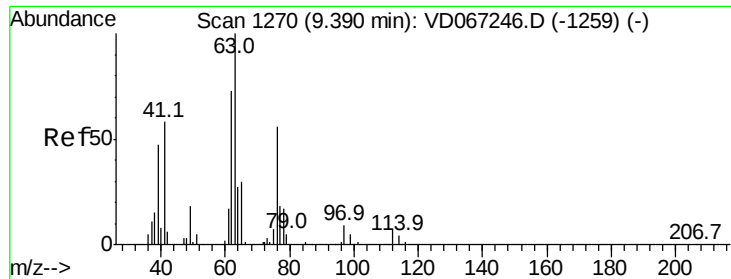
Tgt Ion: 130 Resp: 73697

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 :

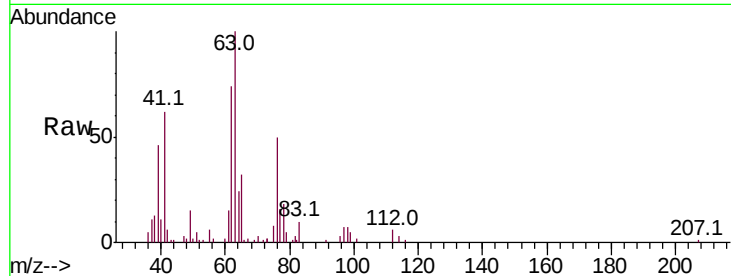
VD1021SBS01

Tot Ion: 63 Resp: 52547

Ion Ratio Lower Upper

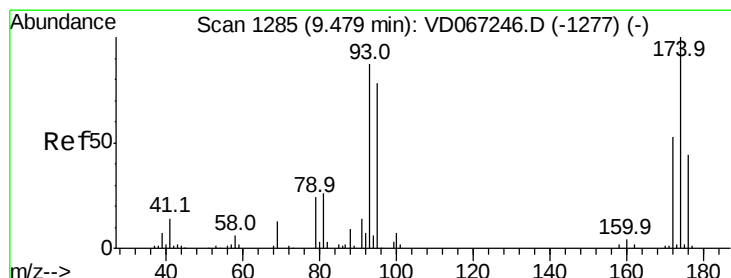
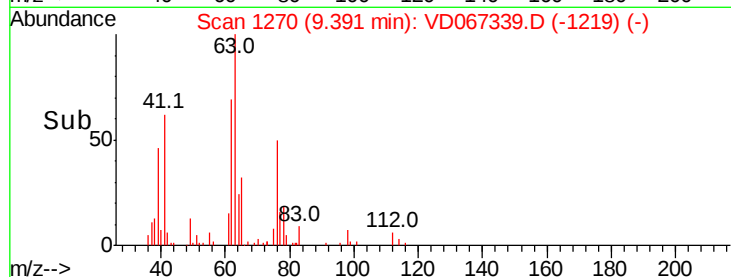
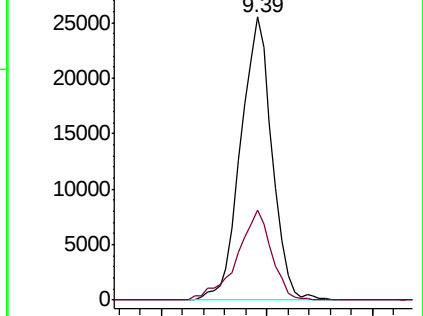
63 100

65 31.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#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

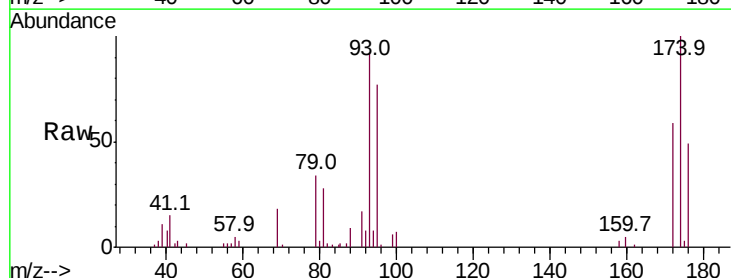
Tgt Ion: 93 Resp: 32422

Ion Ratio Lower Upper

93 100

95 81.3 68.0 102.0

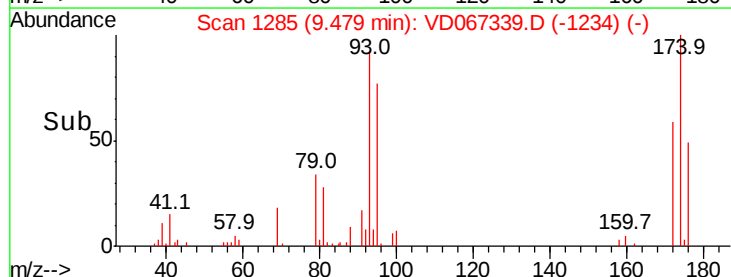
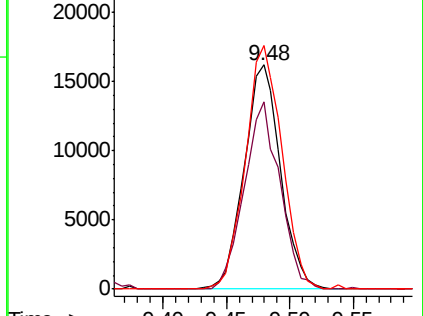
174 108.9 91.8 137.6

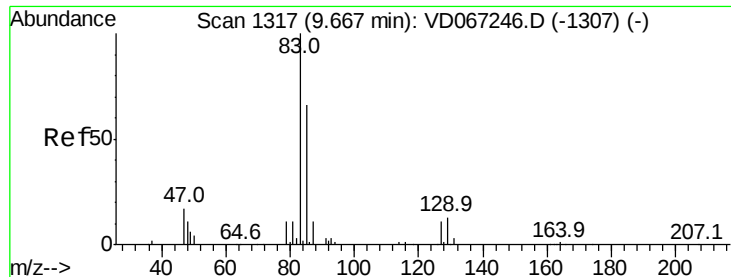


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#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

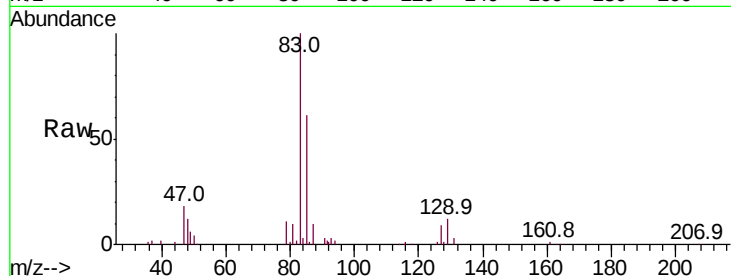
Tot Ion: 83 Resp: 88987

Ion Ratio Lower Upper

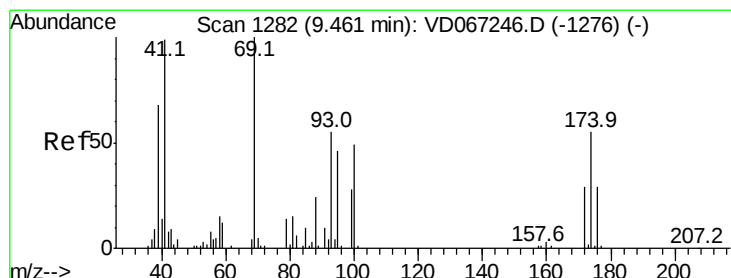
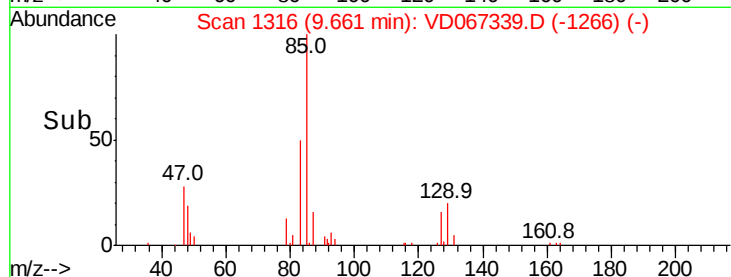
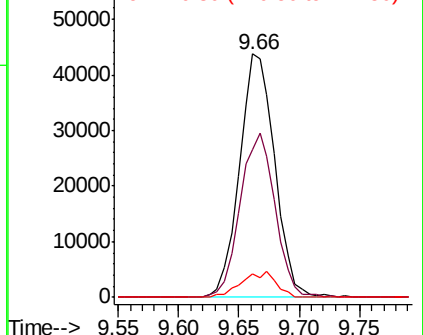
83 100

85 60.8 53.1 79.7

127 9.5 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#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

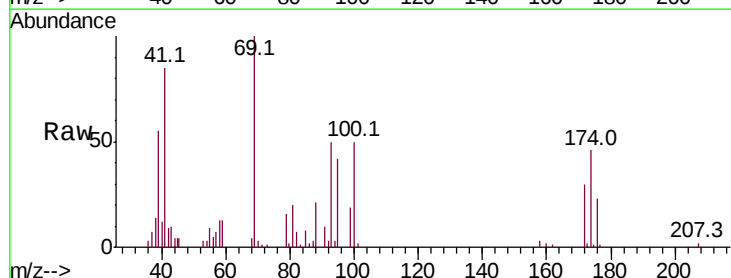
Tgt Ion: 41 Resp: 21206

Ion Ratio Lower Upper

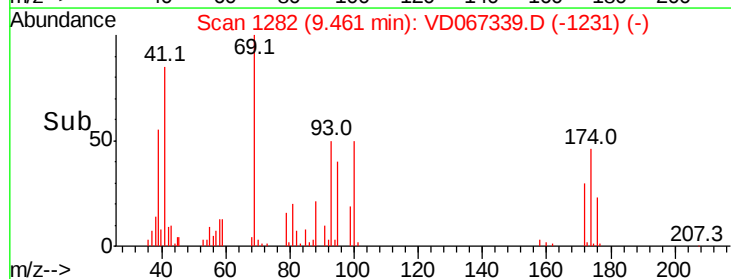
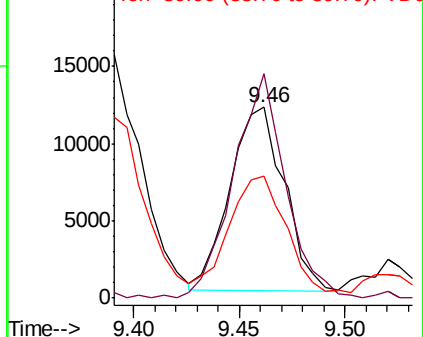
41 100

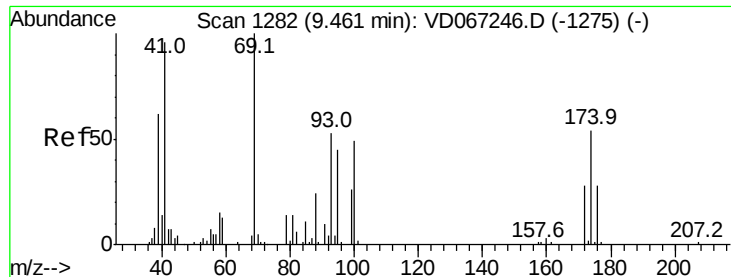
69 117.6 89.0 133.6

39 73.5 60.2 90.2



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

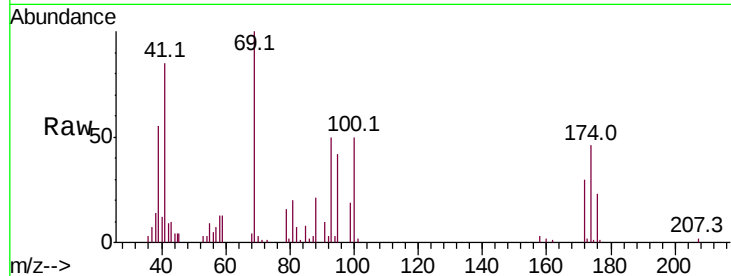




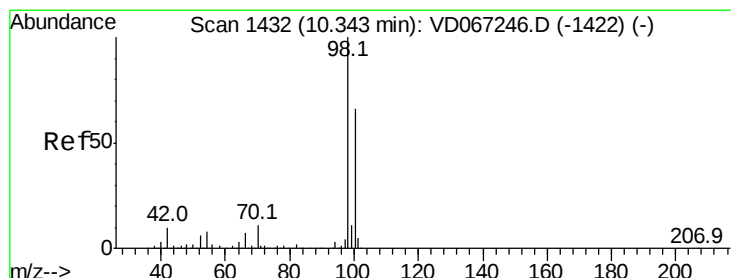
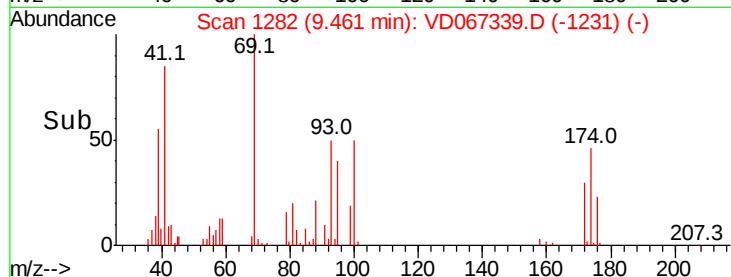
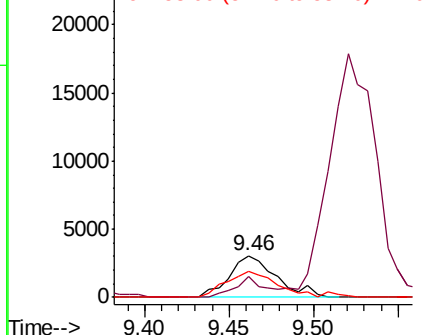
#49
1,4-Dioxane
Concen: 359.558 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

Tot Ion: 88 Resp: 5848
Ion Ratio Lower Upper
88 100
43 31.5 23.9 35.9
58 66.0 51.0 76.6

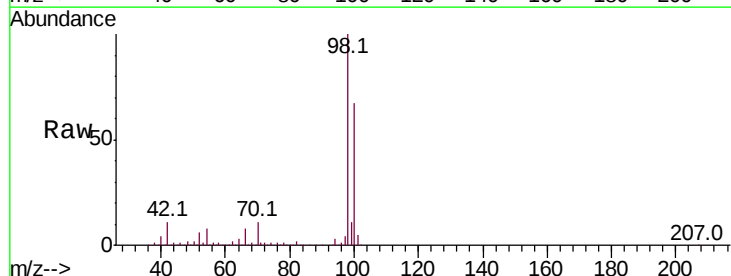


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

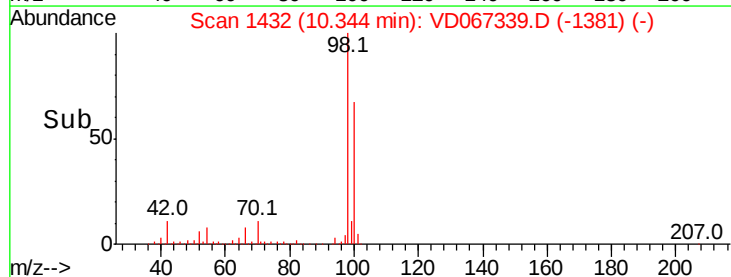
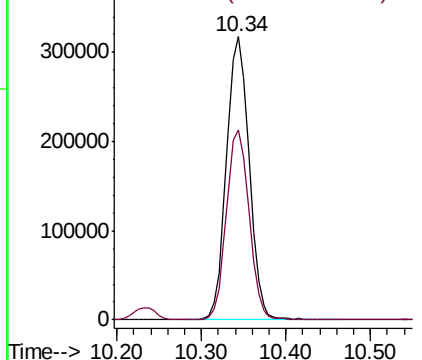


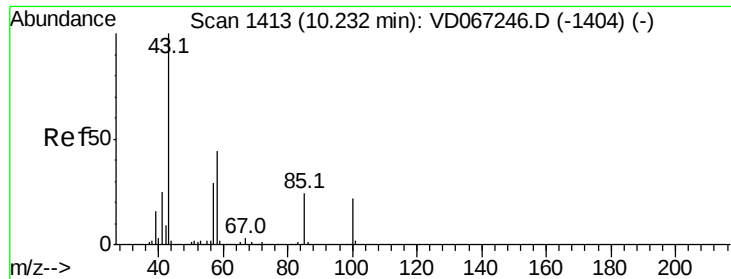
#50
Toluene-d8
Concen: 51.368 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Tgt Ion: 98 Resp: 587491
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 :

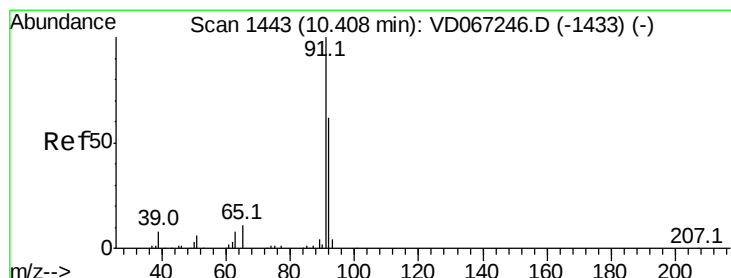
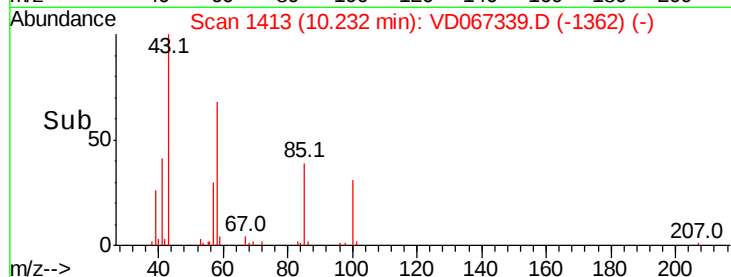
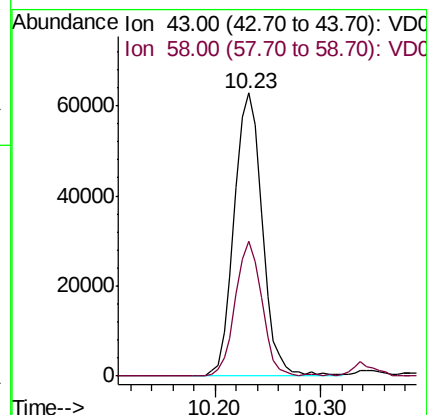
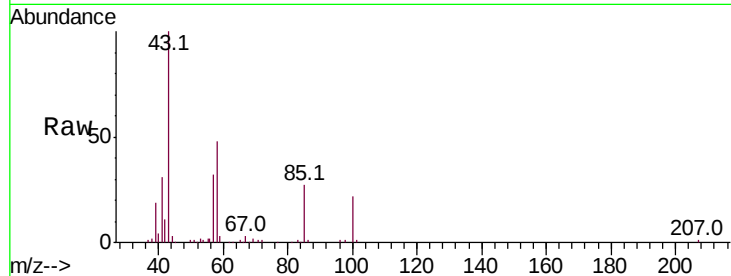
VD1021SBS01

Tot Ion: 43 Resp: 115594

Ion Ratio Lower Upper

43 100

58 44.7 35.7 53.5



#52

Toluene

Concen: 21.364 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067339.D

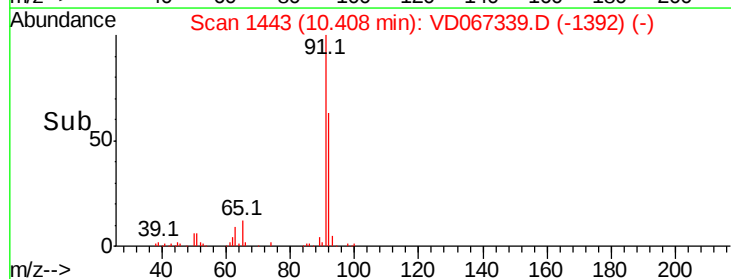
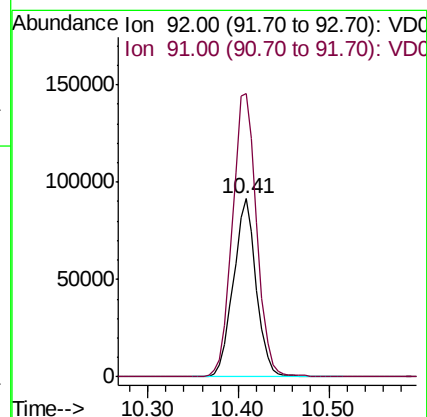
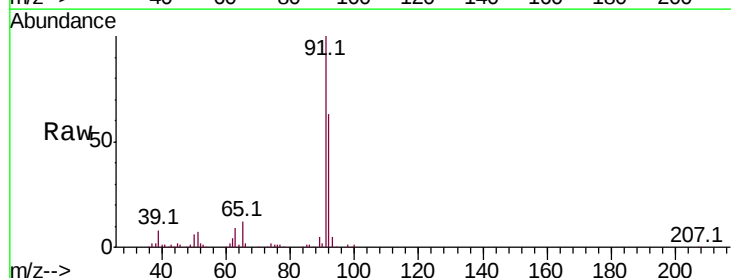
Acq: 21 Oct 2020 11:20

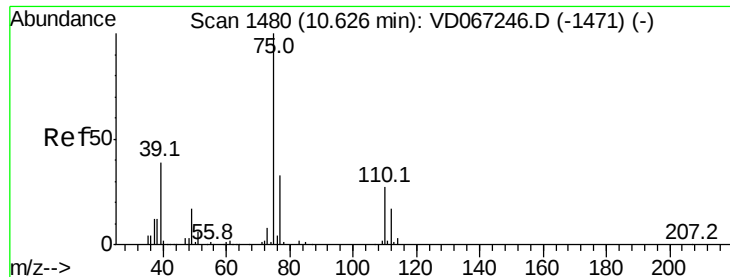
Tgt Ion: 92 Resp: 160671

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 :

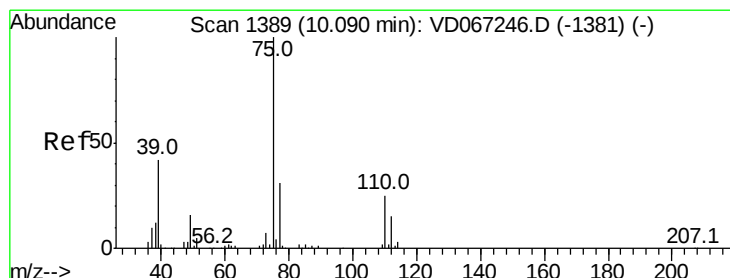
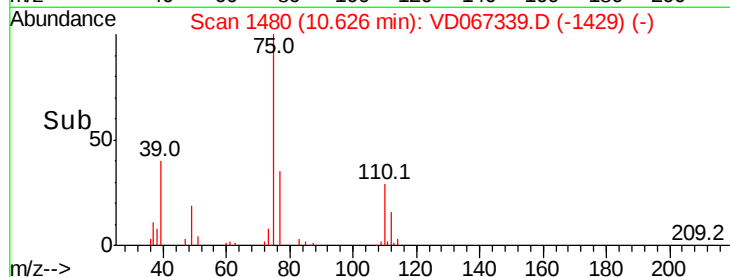
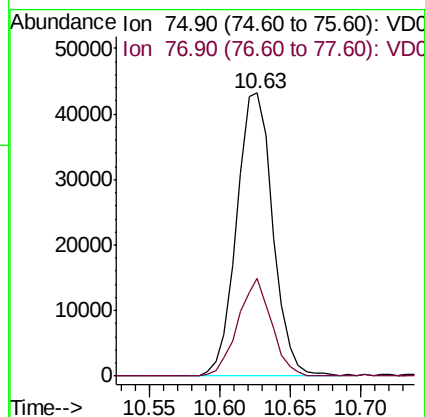
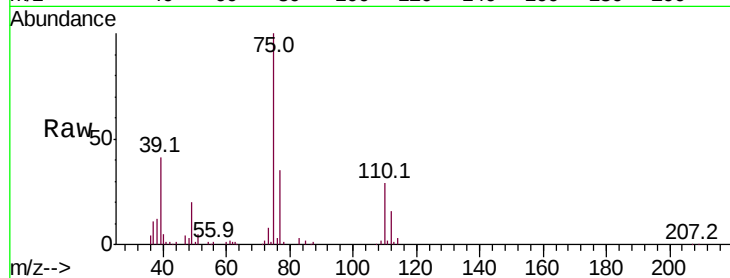
VD1021SBS01

Tot Ion: 75 Resp: 77387

Ion Ratio Lower Upper

75 100

77 34.6 26.5 39.7



#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

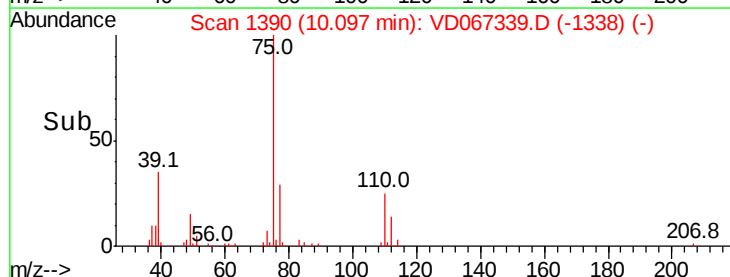
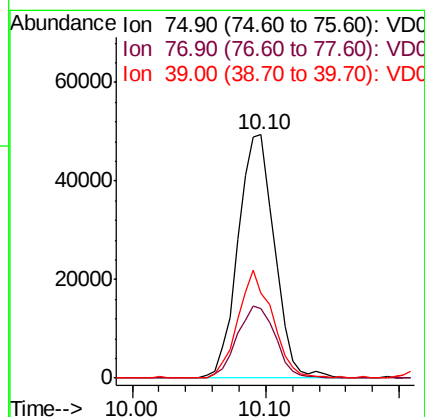
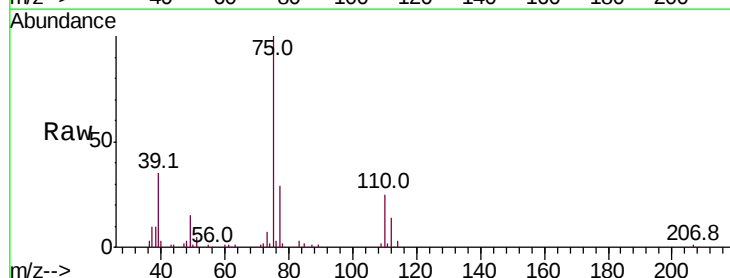
Tgt Ion: 75 Resp: 93205

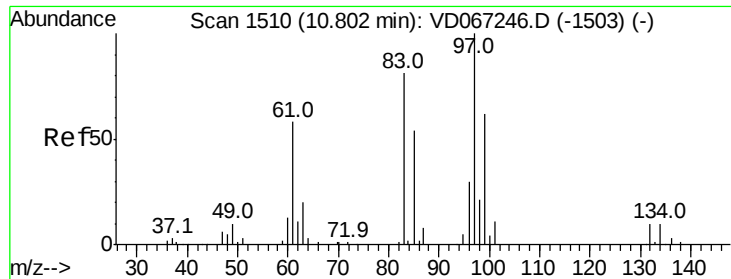
Ion Ratio Lower Upper

75 100

77 28.6 24.5 36.7

39 34.9 33.7 50.5

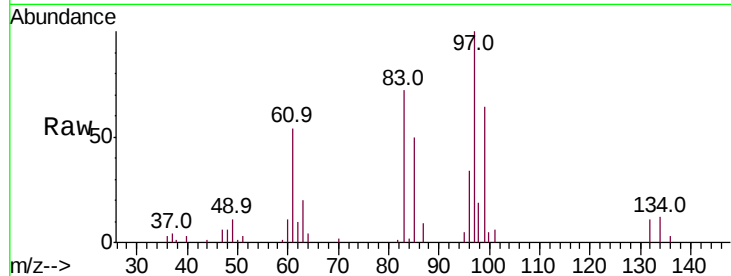




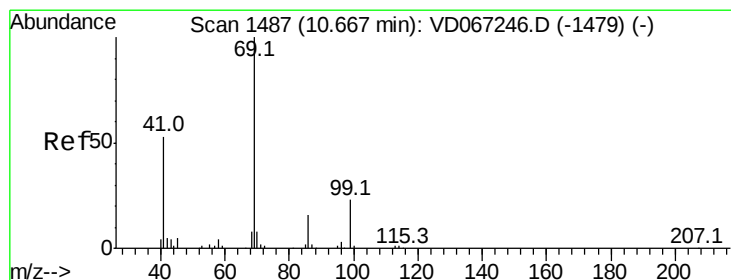
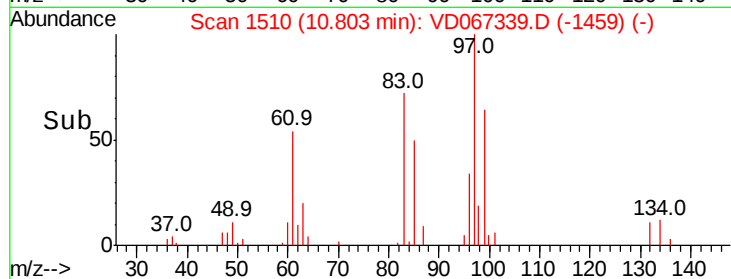
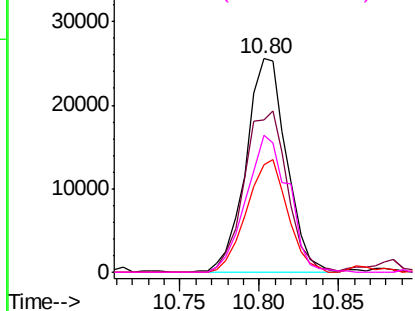
#55
 1,1,2-Trichloroethane
 Concen: 20.981 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

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

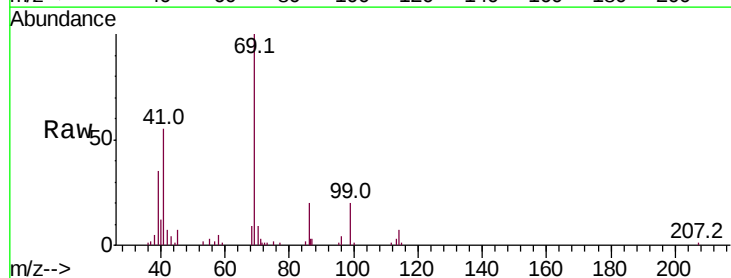


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

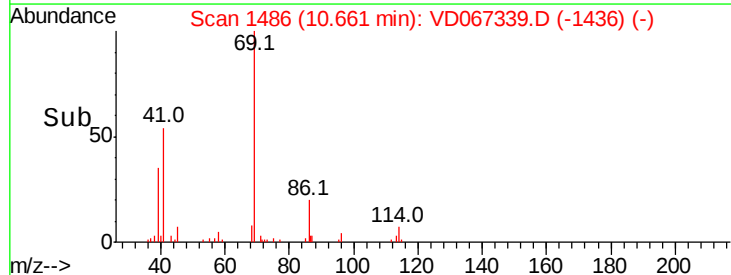
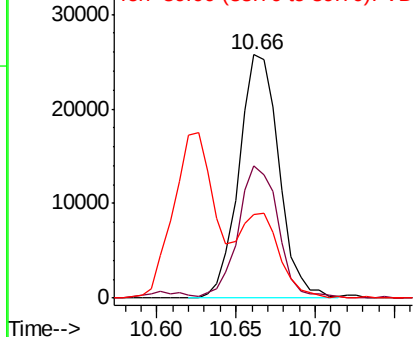


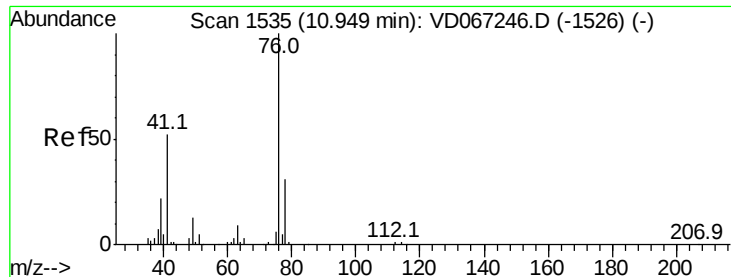
#56
 Ethyl methacrylate
 Concen: 20.059 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

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 :

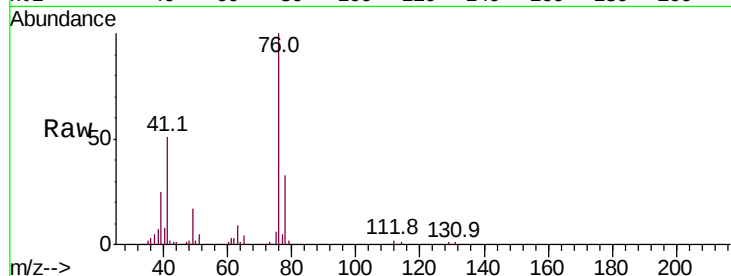
VD1021SBS01

Tot Ion: 76 Resp: 72692

Ion Ratio Lower Upper

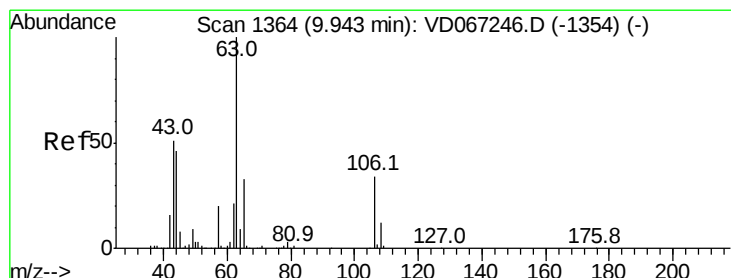
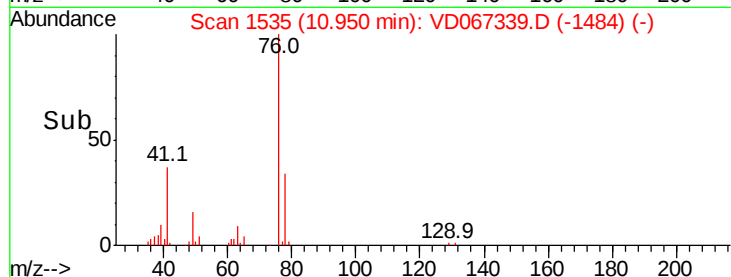
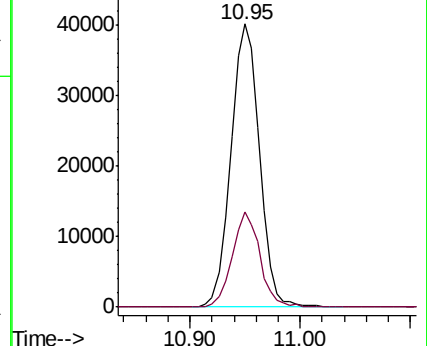
76 100

78 32.4 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#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

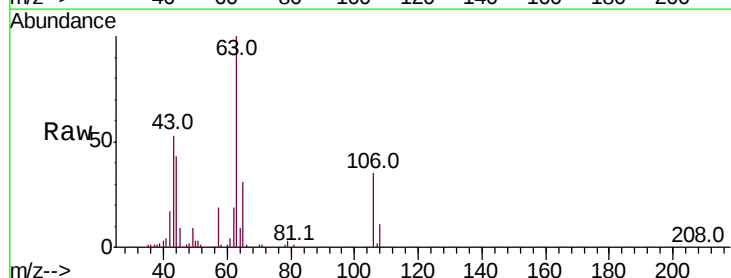
Acq: 21 Oct 2020 11:20

Tgt Ion: 63 Resp: 115999

Ion Ratio Lower Upper

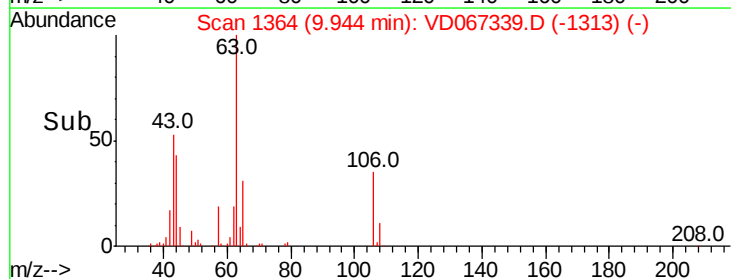
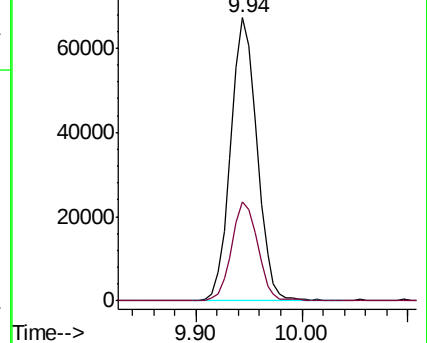
63 100

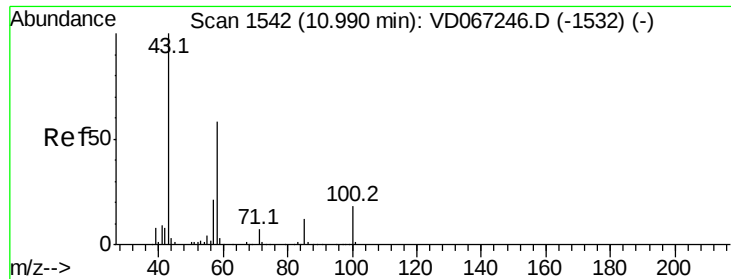
106 34.4 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

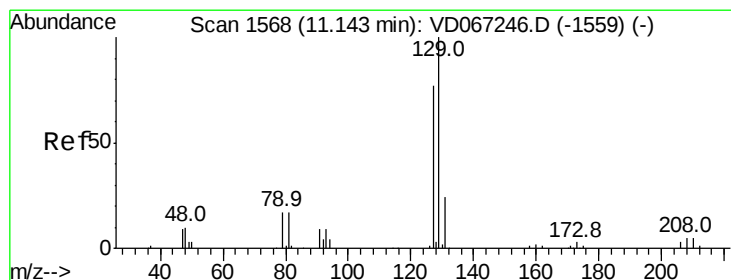
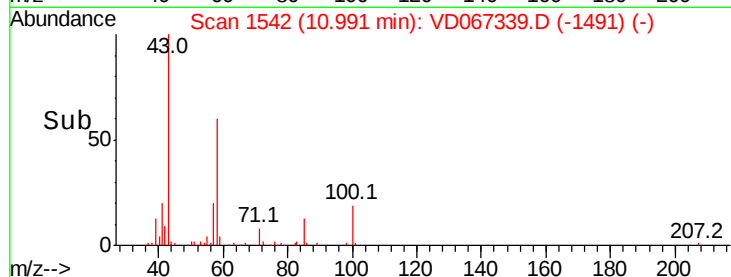
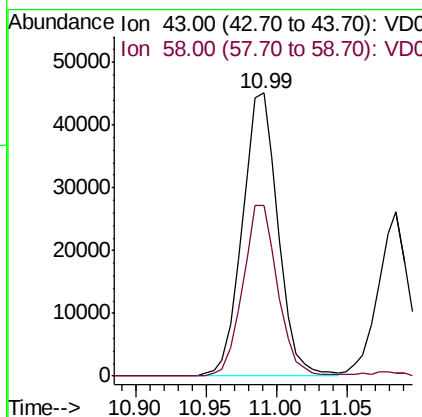
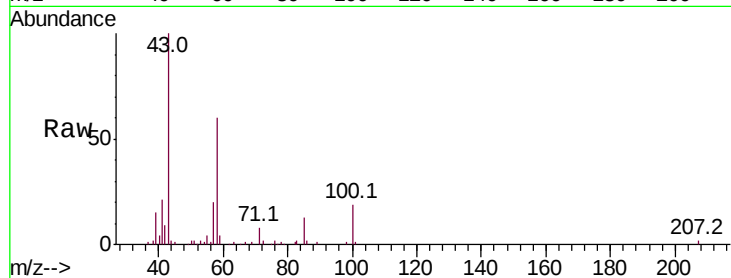




#59
2-Hexanone
Concen: 99.844 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

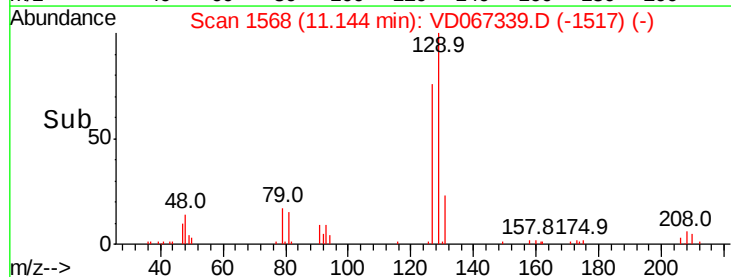
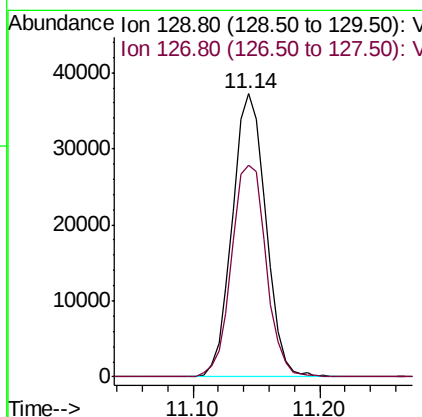
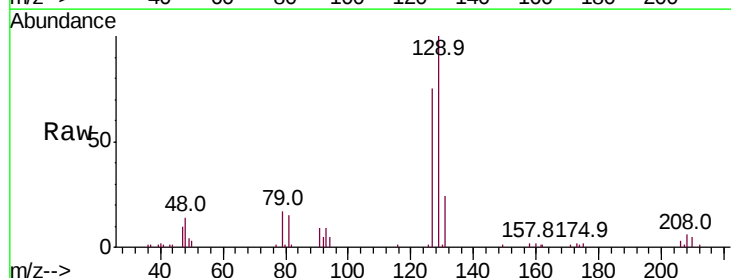
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

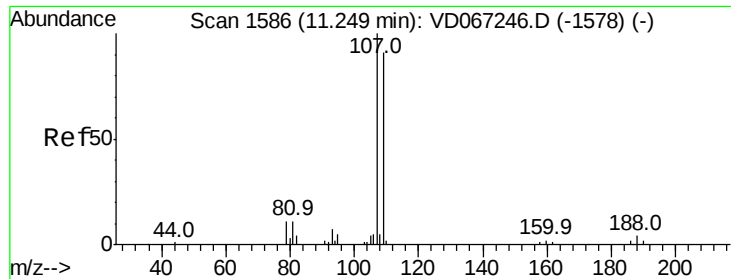
Tot Ion: 43 Resp: 79961
Ion Ratio Lower Upper
43 100
58 59.1 29.3 87.9



#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

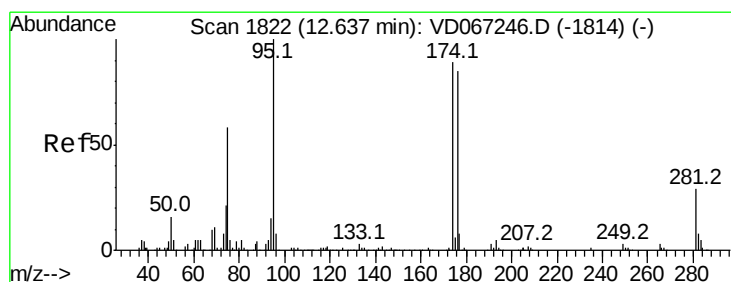
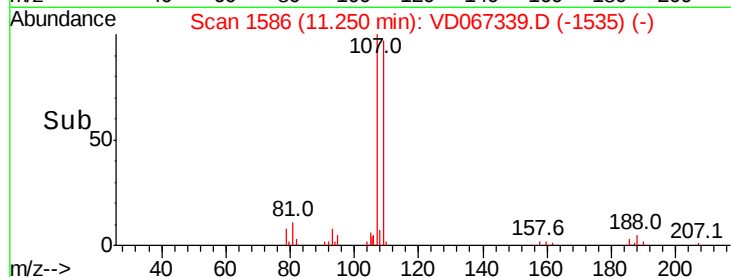
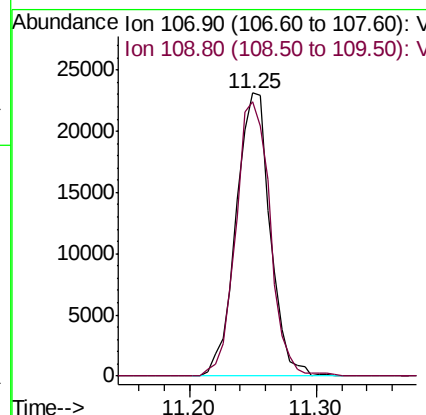
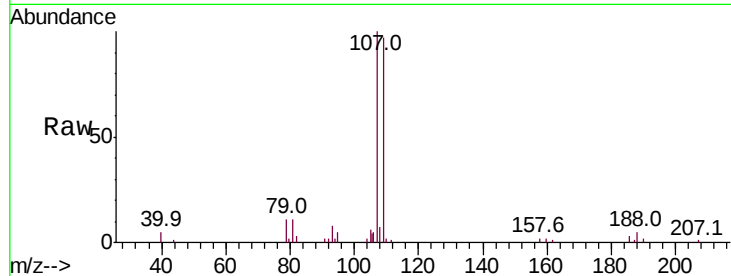




#61
 1,2-Dibromoethane
 Concen: 20.030 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

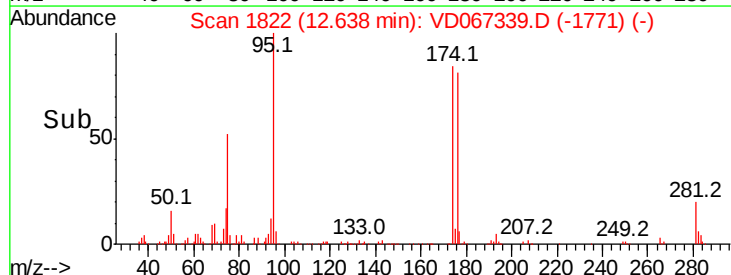
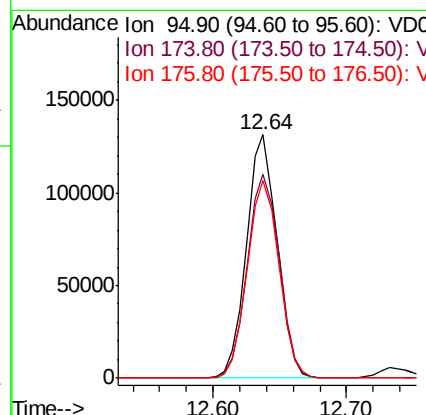
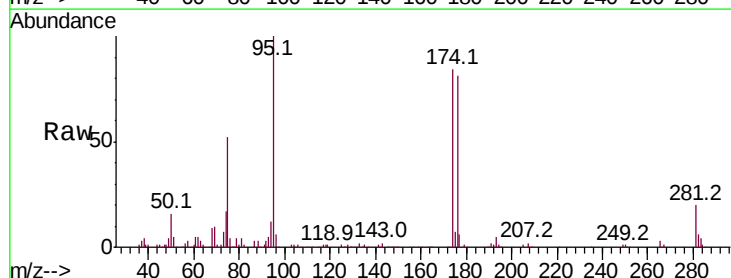
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

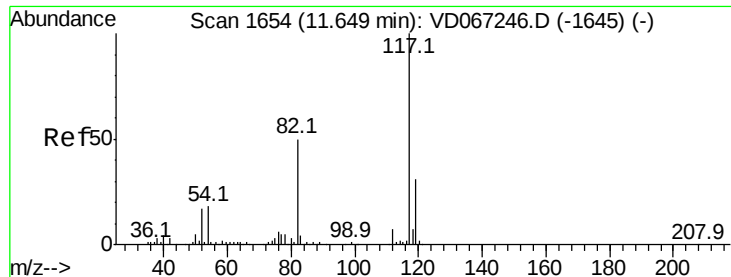
Tot Ion:107 Resp: 42933
 Ion Ratio Lower Upper
 107 100
 109 96.9 74.6 112.0



#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

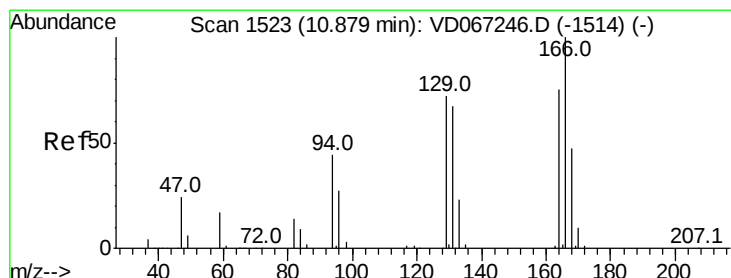
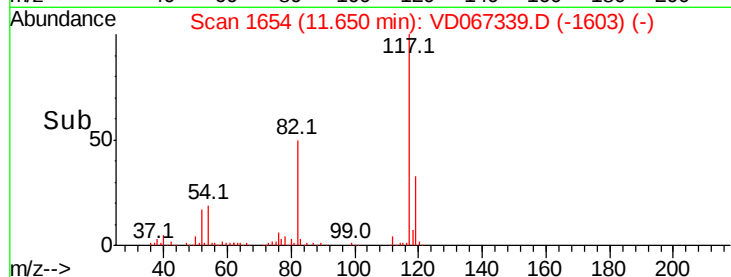
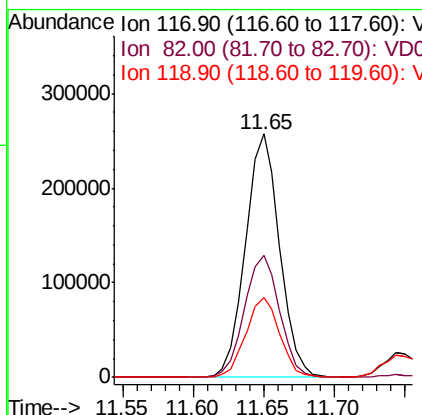
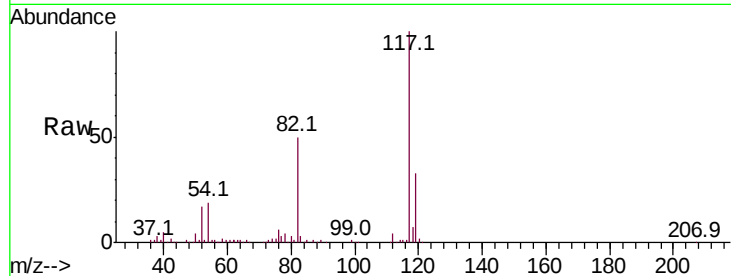




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

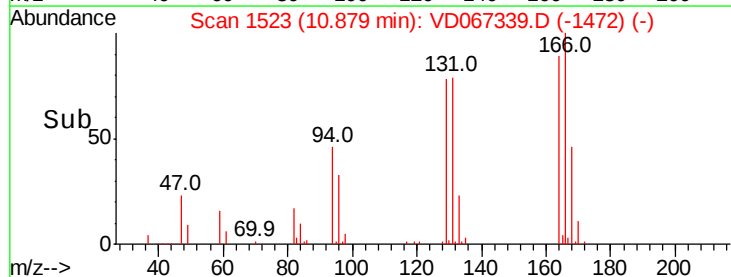
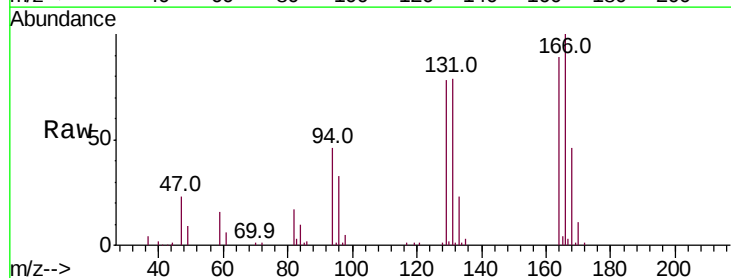
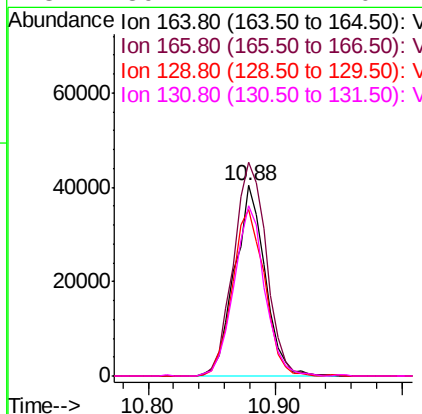
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

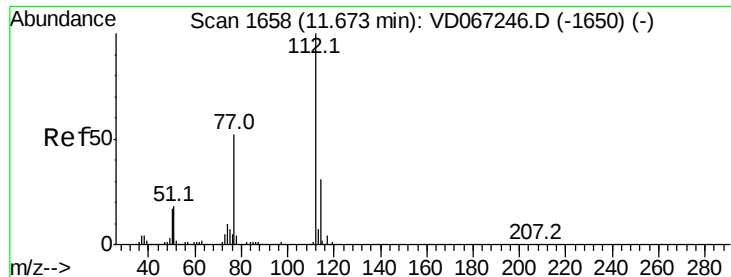
Tot Ion:117 Resp: 436352
Ion Ratio Lower Upper
117 100
82 50.3 39.9 59.9
119 33.0 24.9 37.3



#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:164 Resp: 67543
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 :

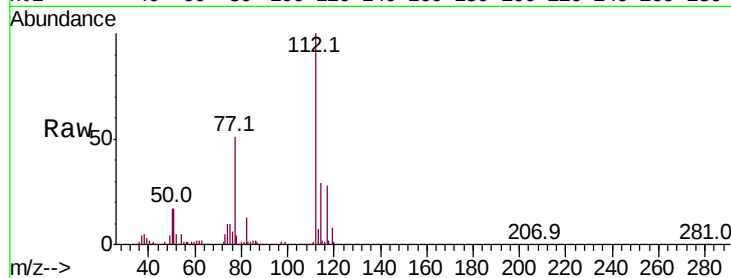
VD1021SBS01

Tot Ion:112 Resp: 177607

Ion Ratio Lower Upper

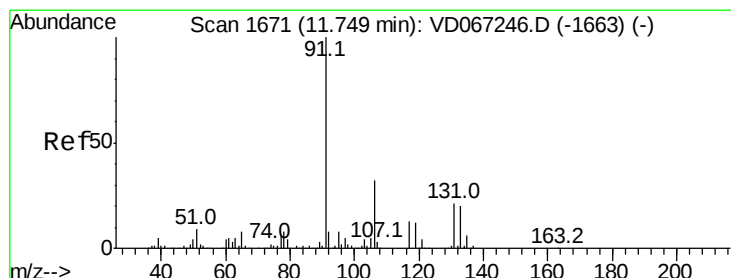
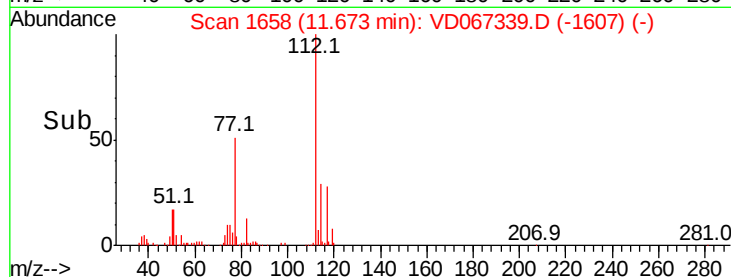
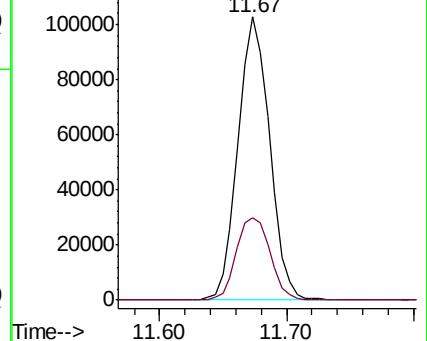
112 100

114 29.2 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

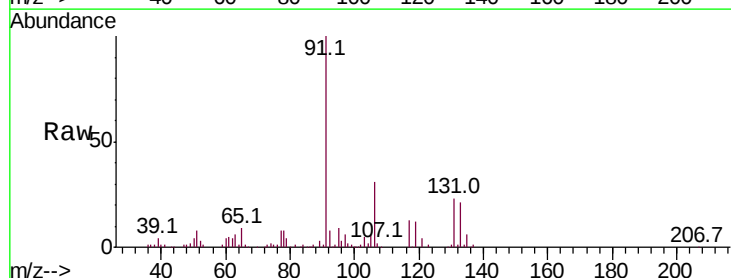
Tgt Ion:131 Resp: 74441

Ion Ratio Lower Upper

131 100

133 94.3 48.1 144.3

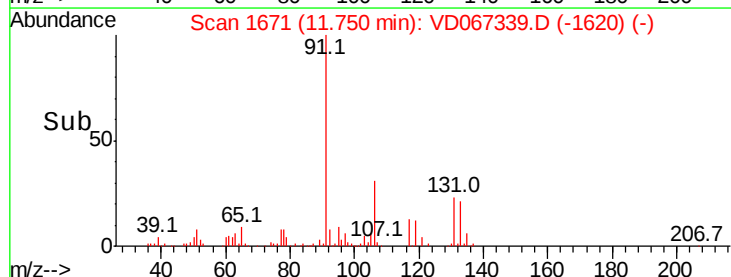
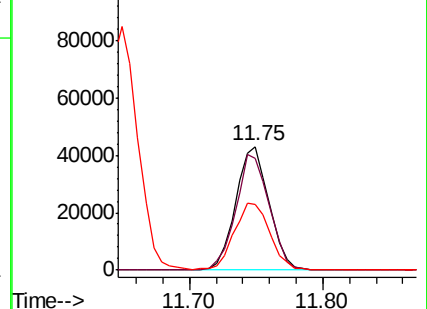
119 58.0 30.0 90.0

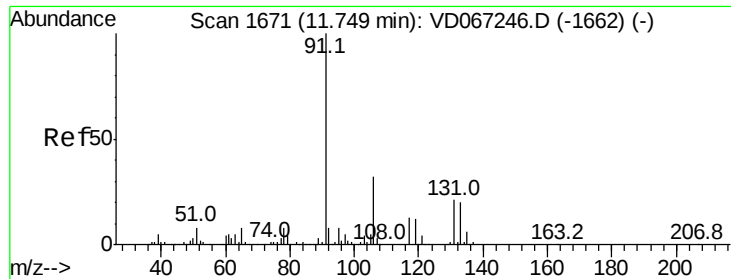


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

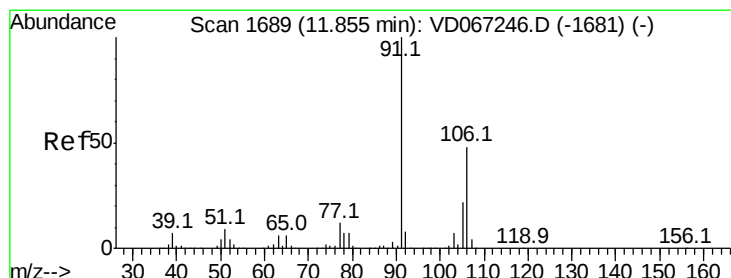
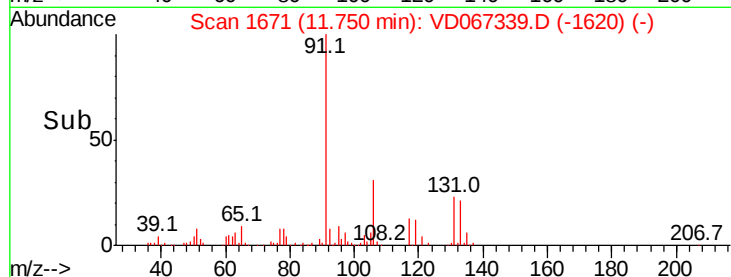
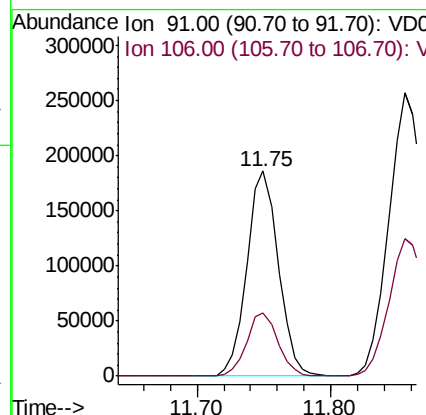
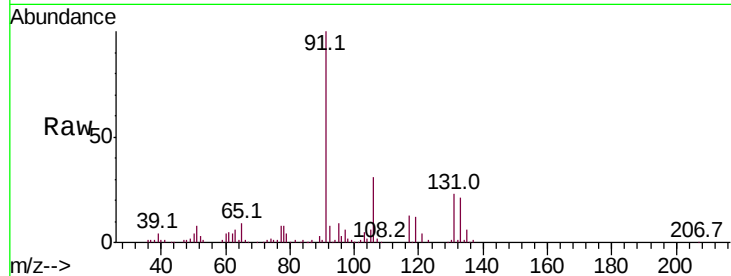




#67
Ethyl Benzene
Concen: 21.099 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

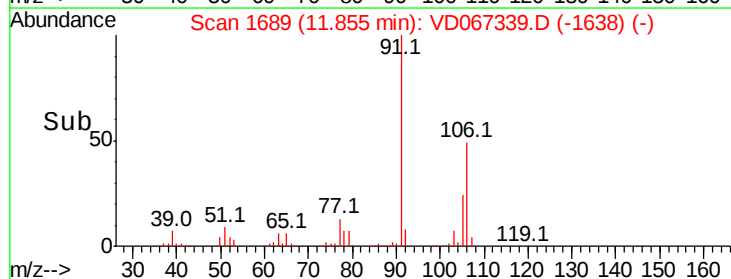
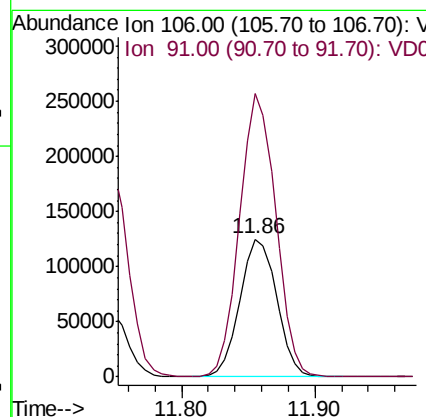
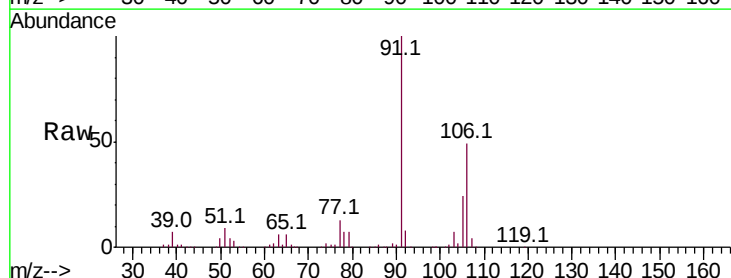
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

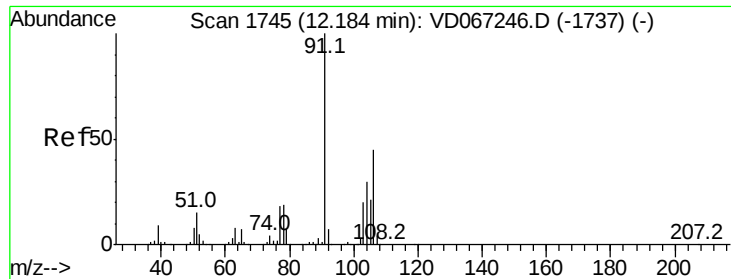
Tot Ion: 91 Resp: 302637
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0



#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

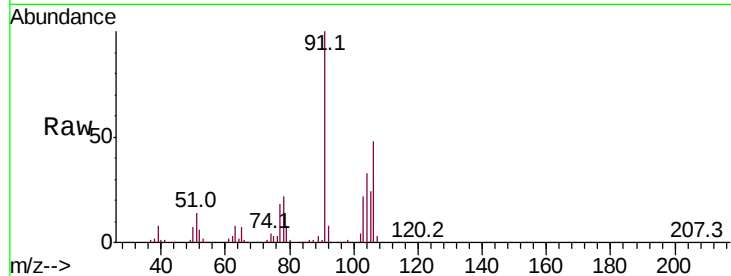




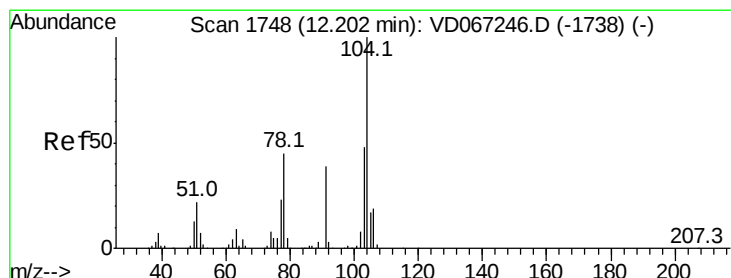
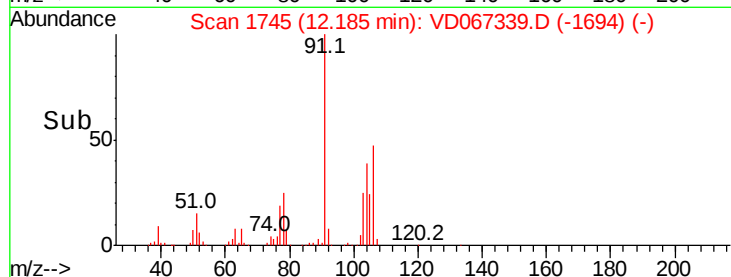
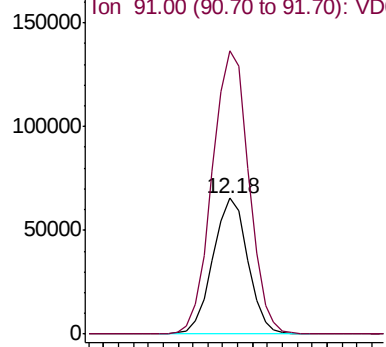
#69
o-Xylene
Concen: 20.687 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

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

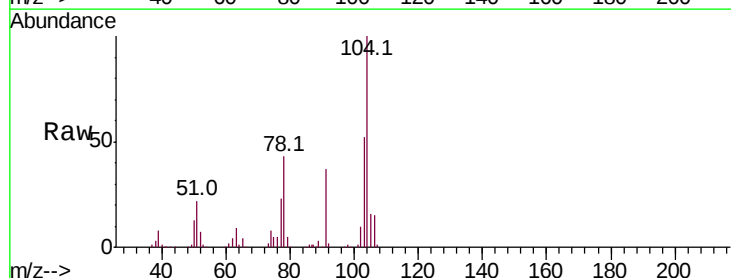


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

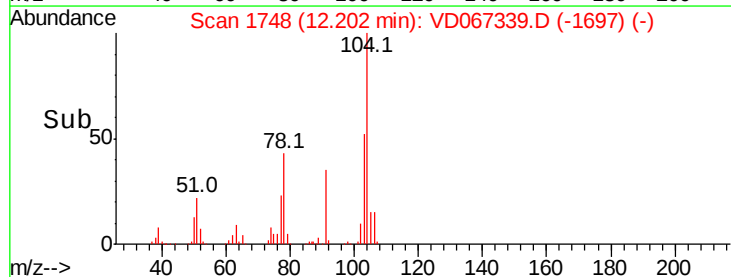
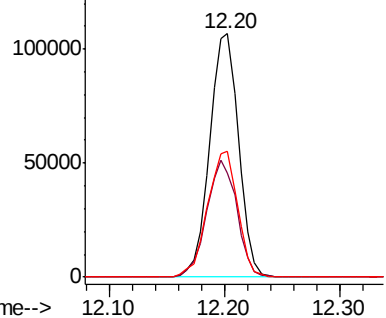


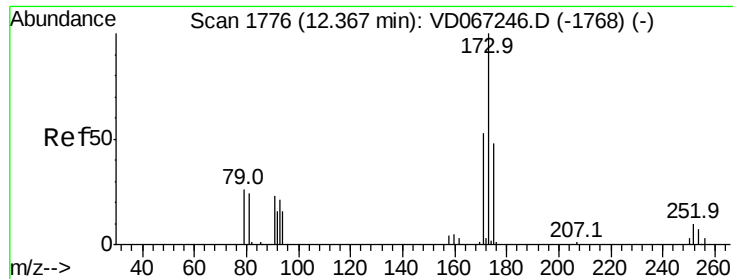
#70
Styrene
Concen: 21.081 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

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



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#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

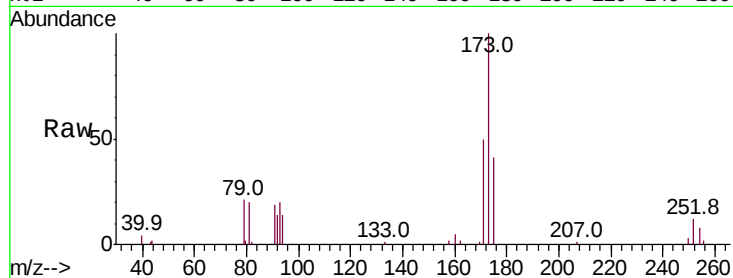
Tot Ion:173 Resp: 37081

Ion Ratio Lower Upper

173 100

175 46.5 24.2 72.6

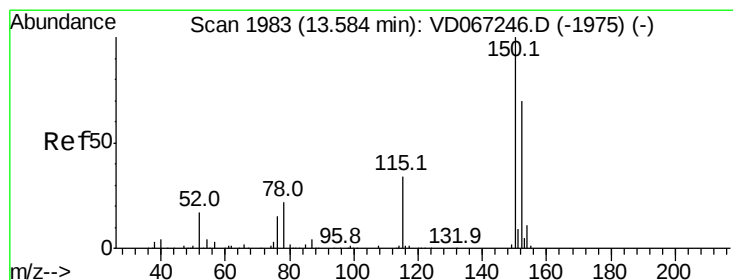
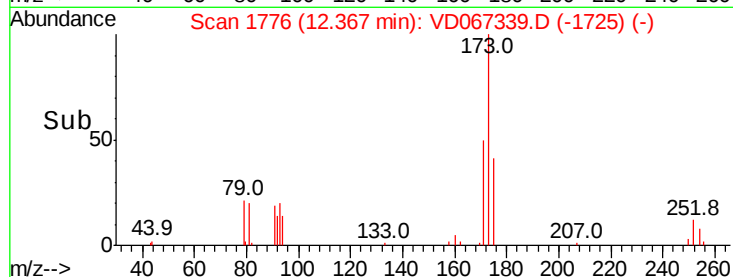
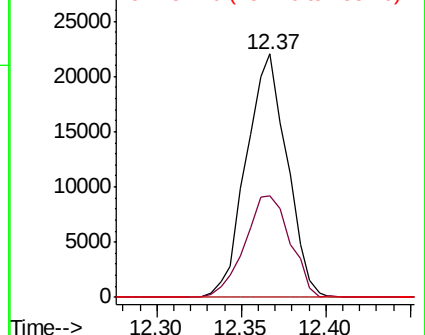
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#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

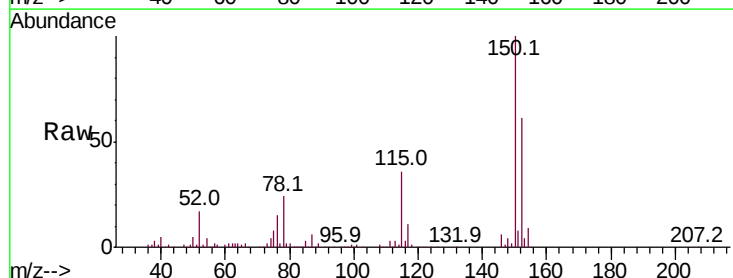
Tgt Ion:152 Resp: 219078

Ion Ratio Lower Upper

152 100

115 59.1 29.3 87.9

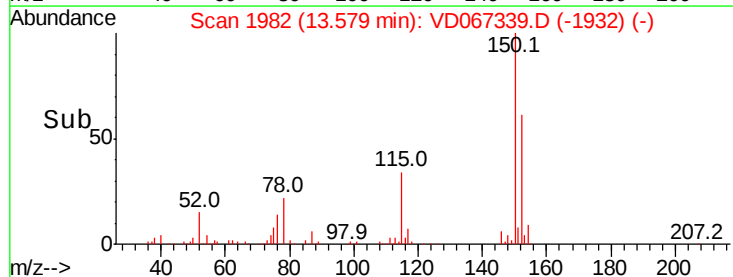
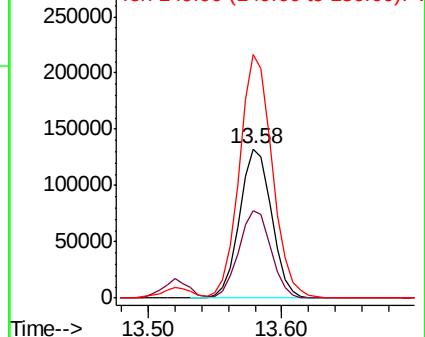
150 167.3 0.0 339.0

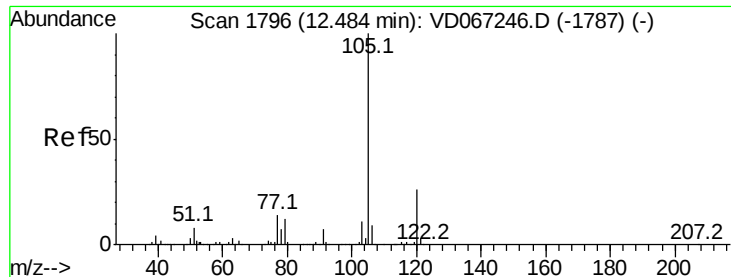


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#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 :

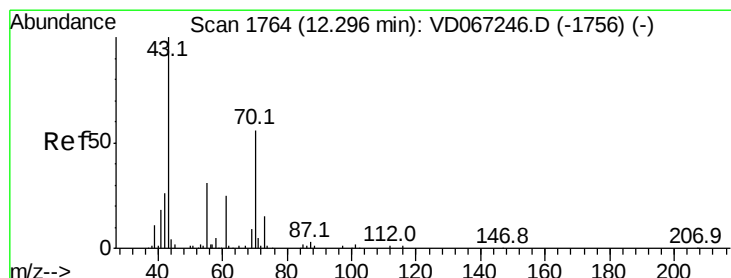
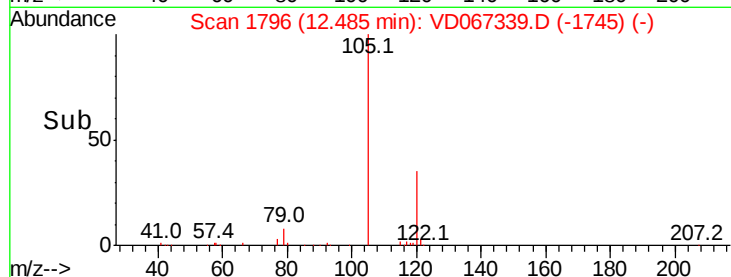
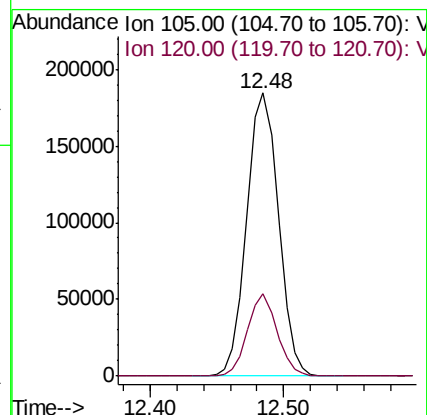
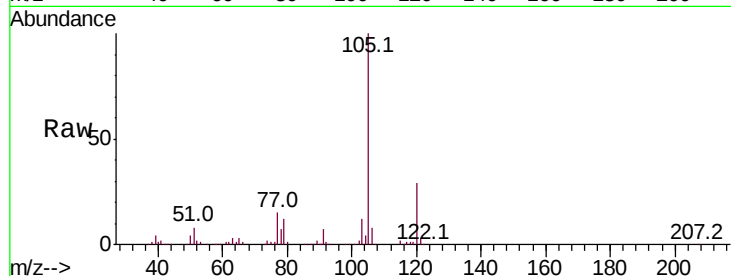
VD1021SBS01

Tot Ion:105 Resp: 303509

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#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: 43 Resp: 43981

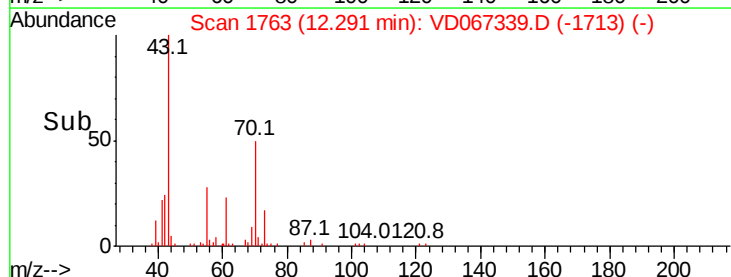
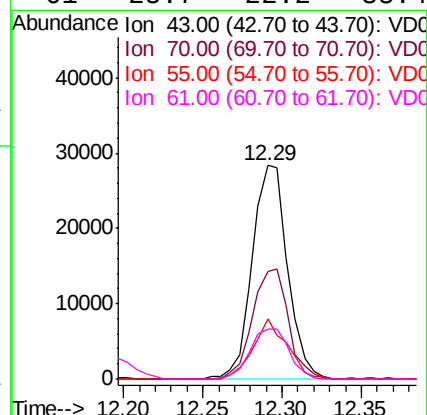
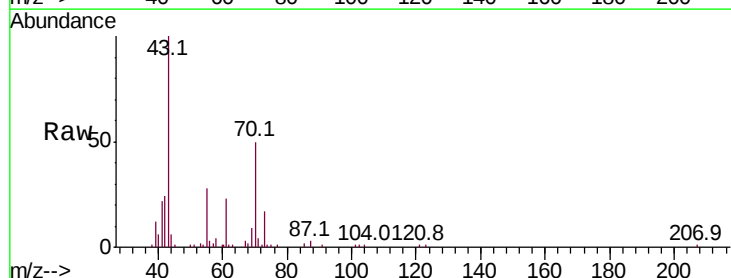
Ion Ratio Lower Upper

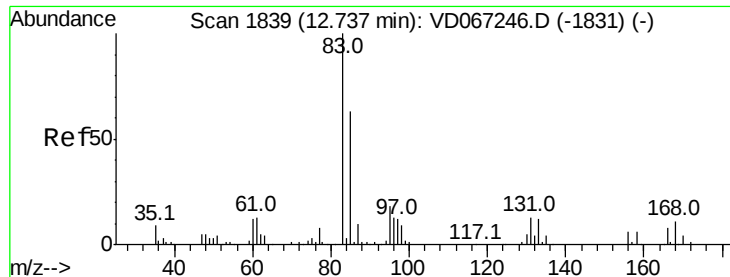
43 100

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

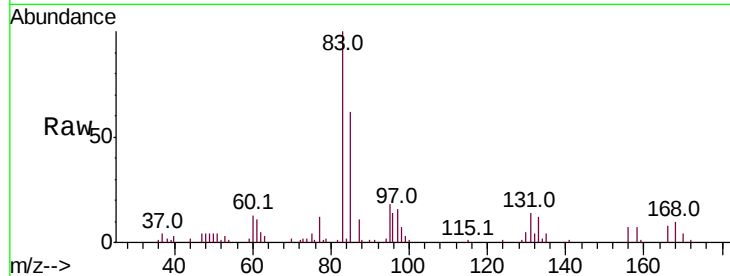
Tot Ion: 83 Resp: 45977

Ion Ratio Lower Upper

83 100

131 14.1 6.5 19.5

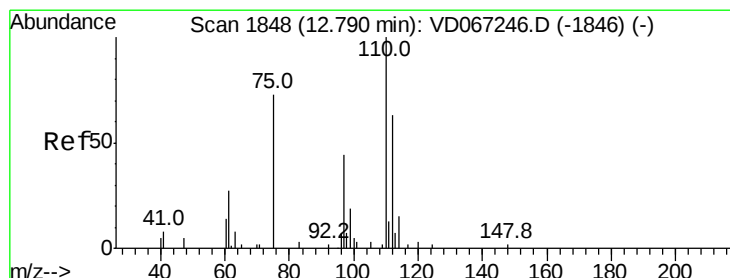
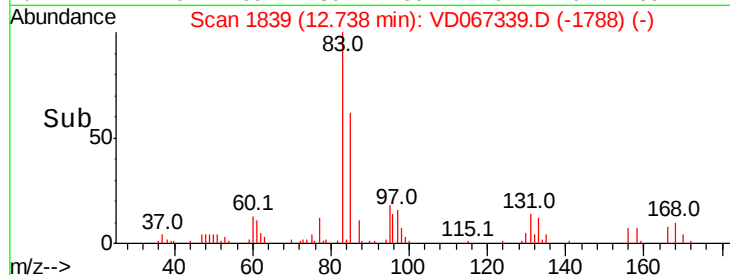
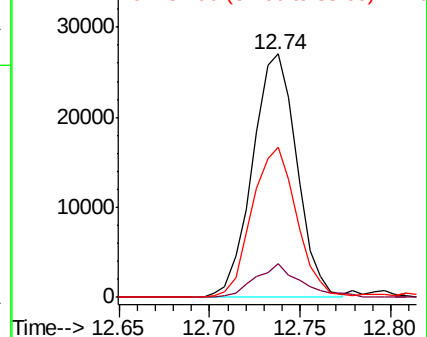
85 62.4 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 41.024 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067339.D

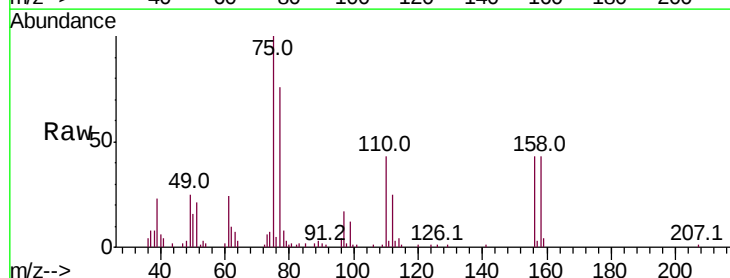
Acq: 21 Oct 2020 11:20

Tgt Ion: 75 Resp: 62292

Ion Ratio Lower Upper

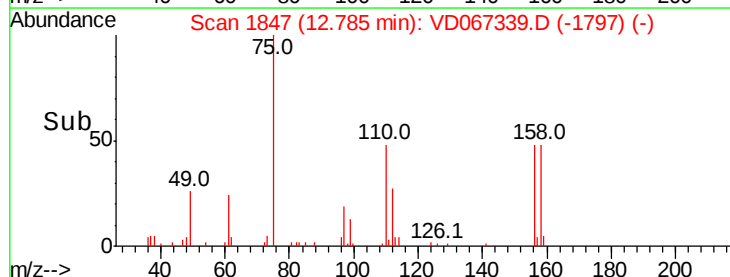
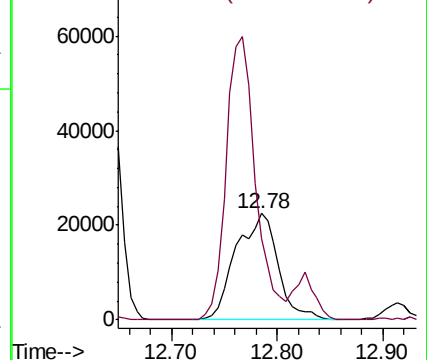
75 100

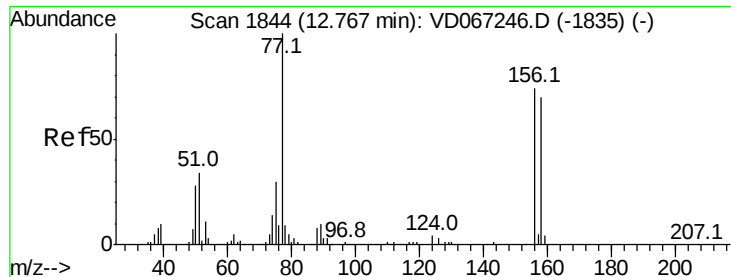
77 185.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#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

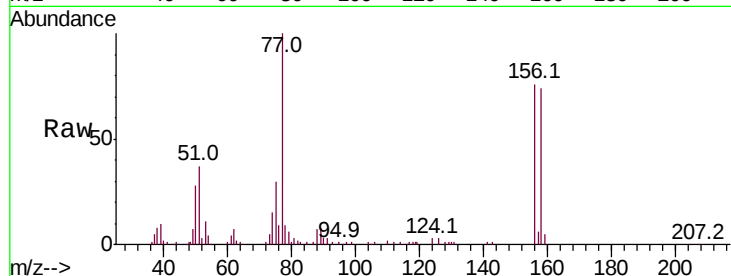
Tot Ion:156 Resp: 74510

Ion Ratio Lower Upper

156 100

77 155.4 78.0 233.8

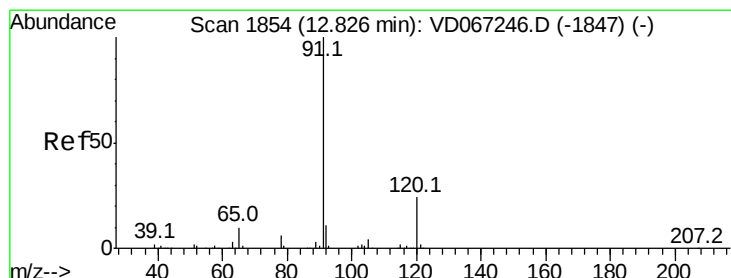
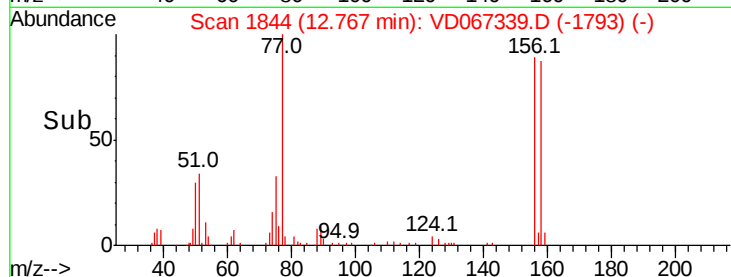
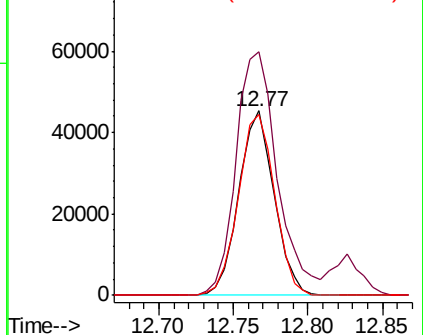
158 100.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.948 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067339.D

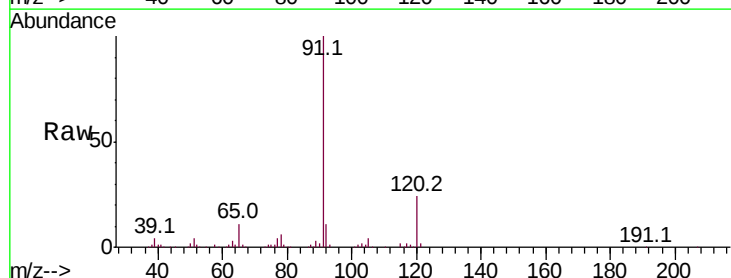
Acq: 21 Oct 2020 11:20

Tgt Ion: 91 Resp: 353573

Ion Ratio Lower Upper

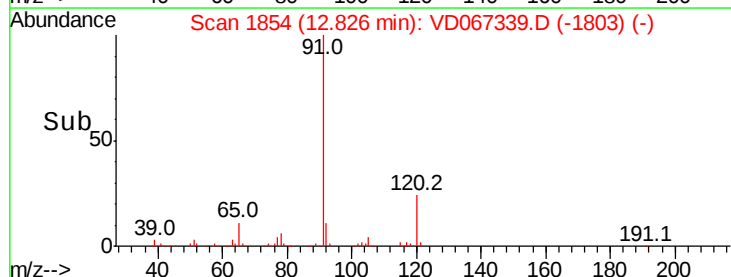
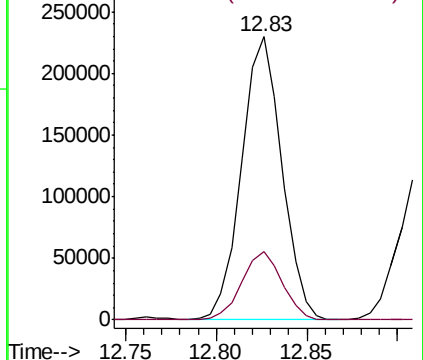
91 100

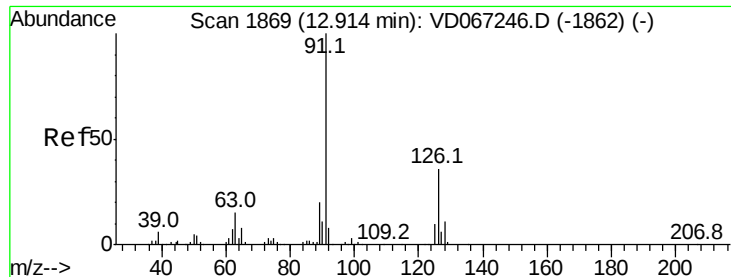
120 24.3 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#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 :

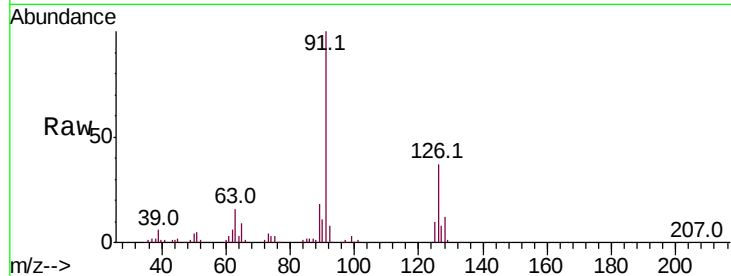
VD1021SBS01

Tot Ion: 91 Resp: 195825

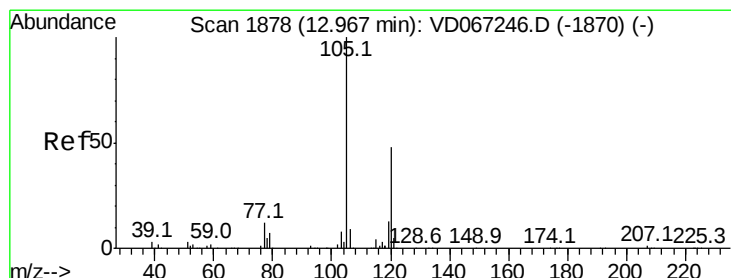
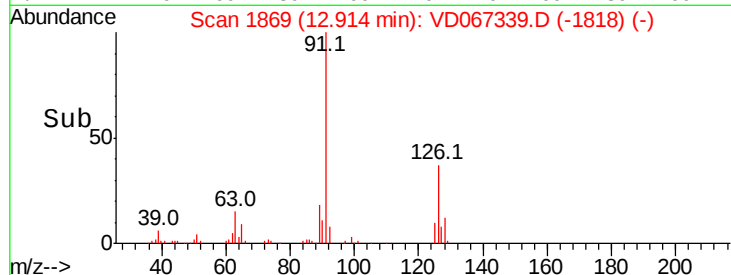
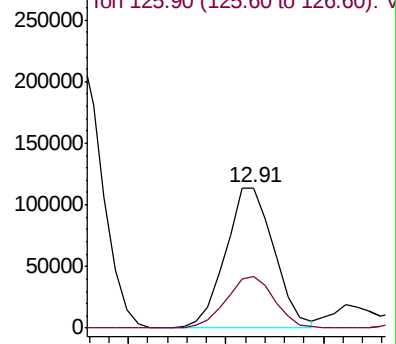
Ion Ratio Lower Upper

91 100

126 36.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V



#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

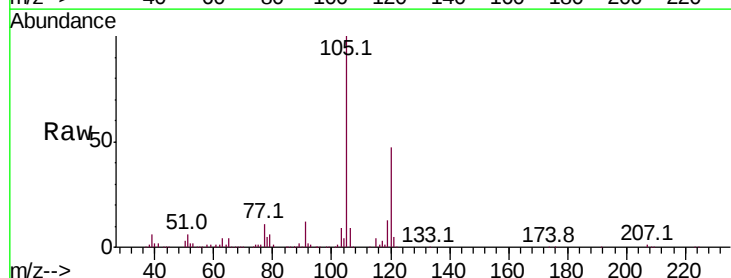
Acq: 21 Oct 2020 11:20

Tgt Ion:105 Resp: 264809

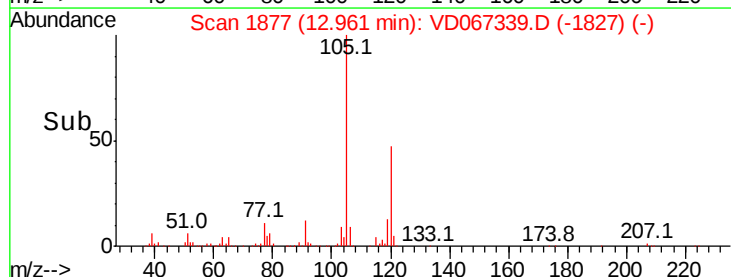
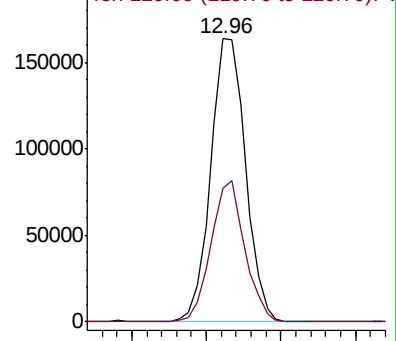
Ion Ratio Lower Upper

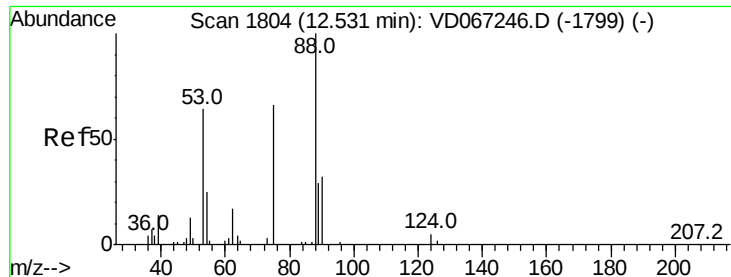
105 100

120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#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

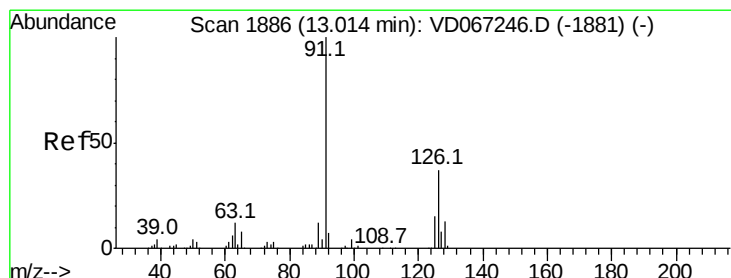
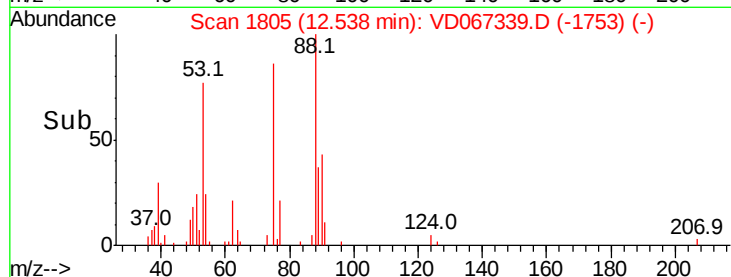
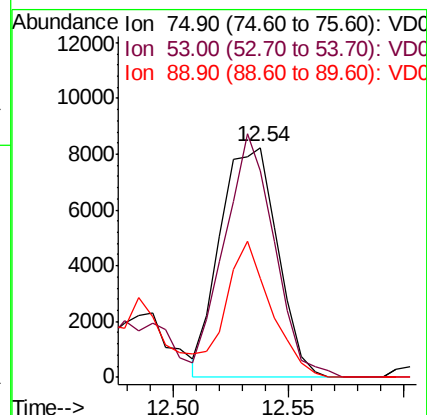
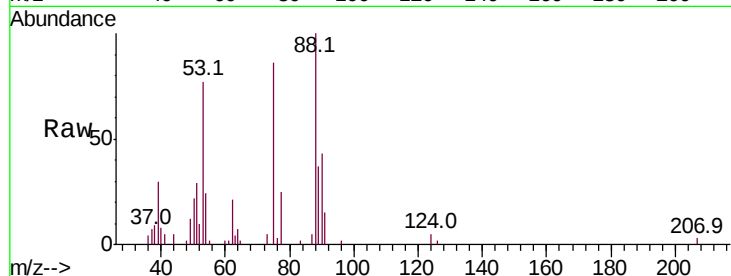
Tot Ion: 75 Resp: 14248

Ion Ratio Lower Upper

75 100

53 92.1 78.5 117.7

89 47.0 39.9 59.9



#82

4-Chlorotoluene

Concen: 22.180 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067339.D

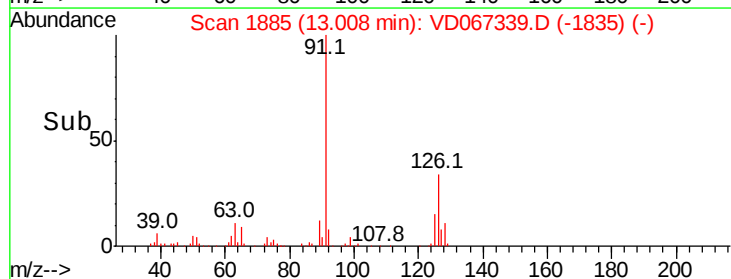
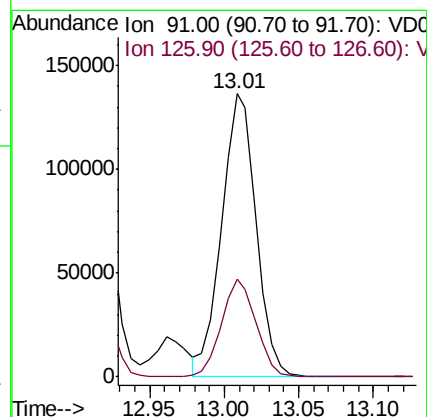
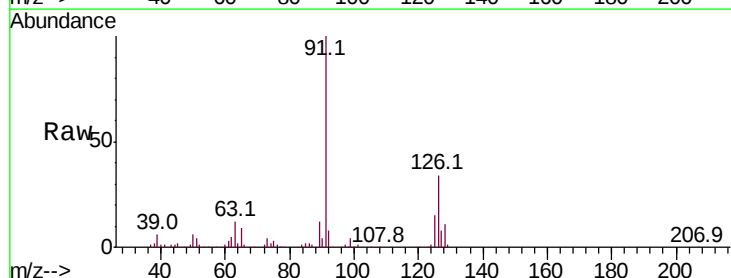
Acq: 21 Oct 2020 11:20

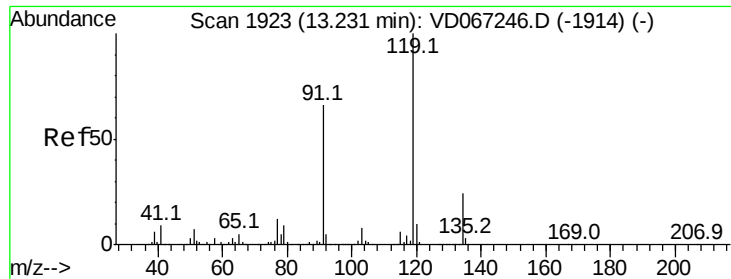
Tgt Ion: 91 Resp: 219928

Ion Ratio Lower Upper

91 100

126 34.7 17.8 53.5

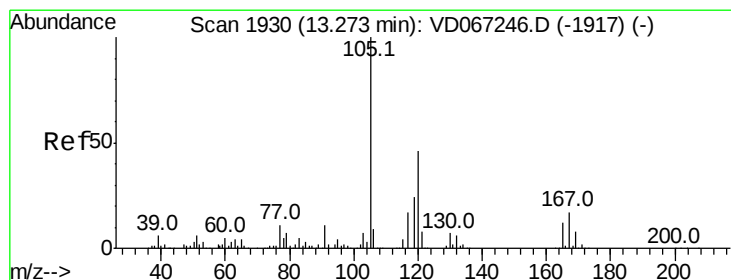
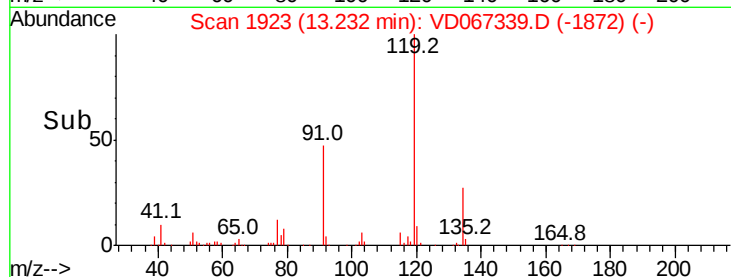
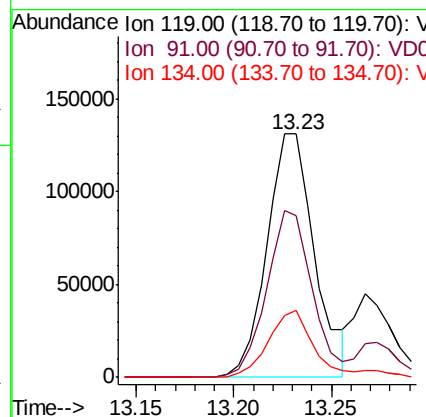
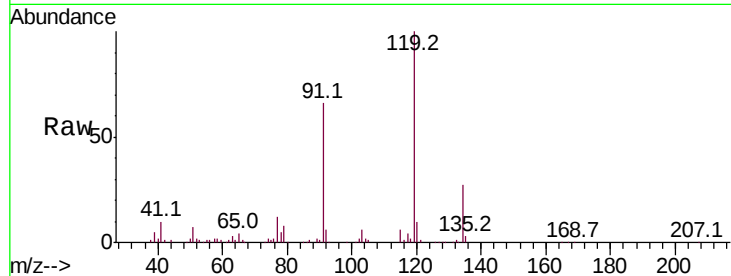




#83
tert-Butylbenzene
Concen: 21.728 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

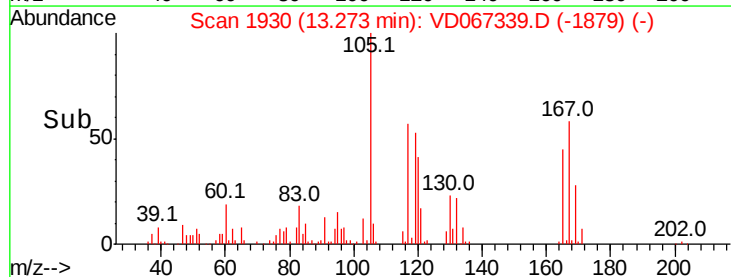
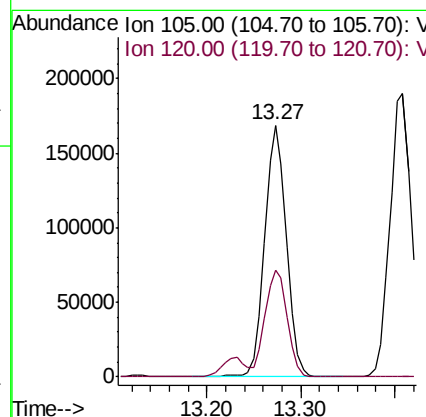
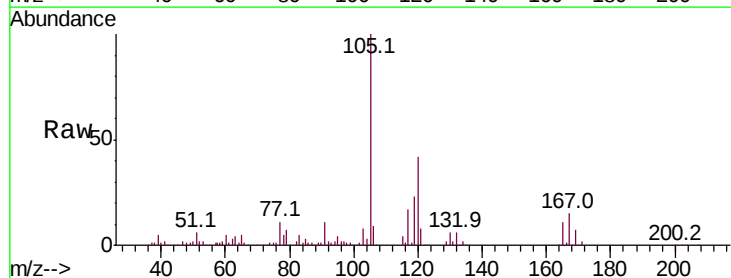
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

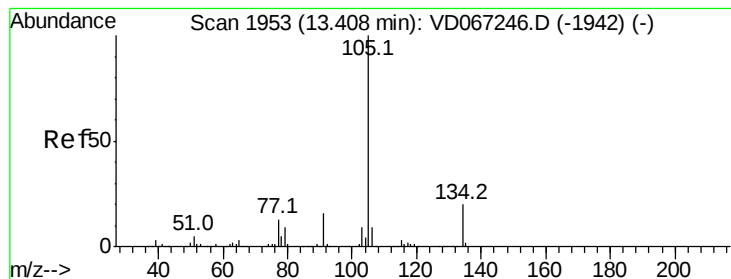
Tot Ion:119 Resp: 221766
Ion Ratio Lower Upper
119 100
91 65.3 33.1 99.2
134 27.4 13.3 39.9



#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:105 Resp: 268465
Ion Ratio Lower Upper
105 100
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 :

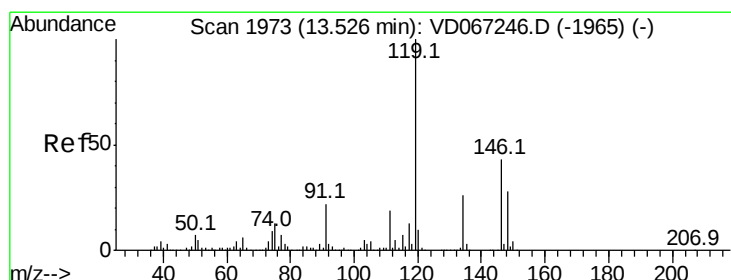
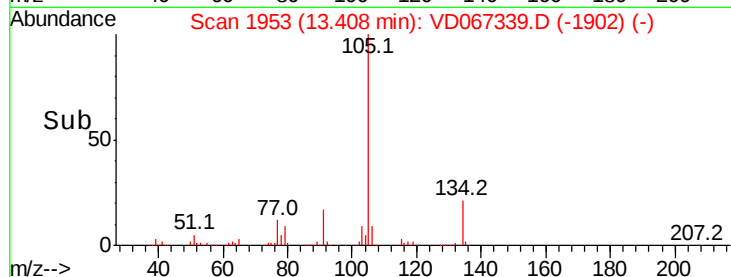
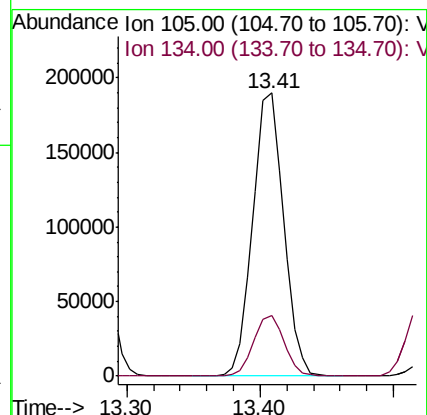
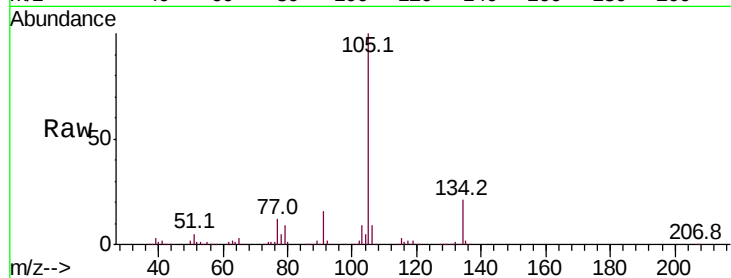
VD1021SBS01

Tot Ion:105 Resp: 302827

Ion Ratio Lower Upper

105 100

134 21.2 10.5 31.5



#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

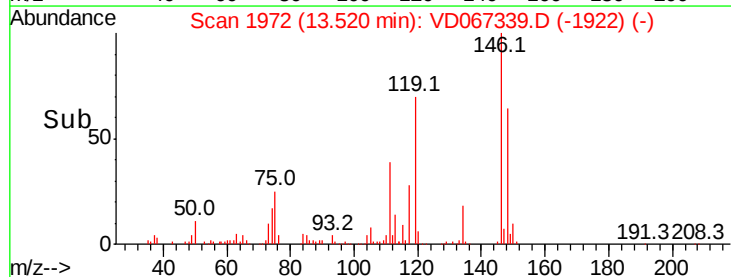
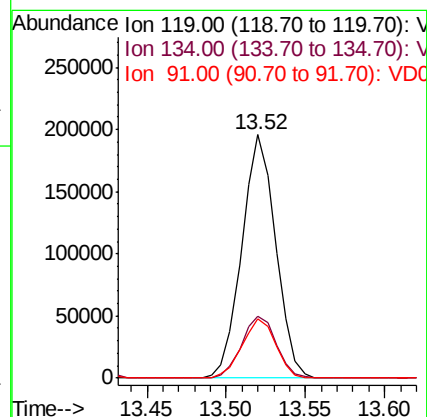
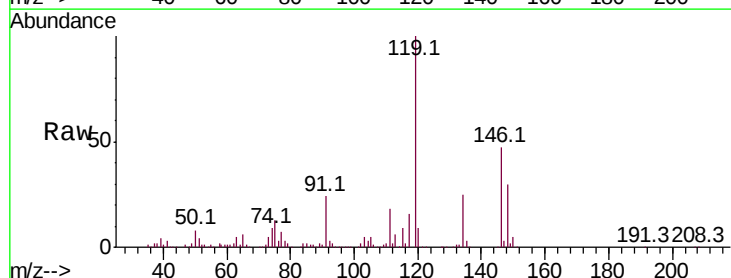
Tgt Ion:119 Resp: 290172

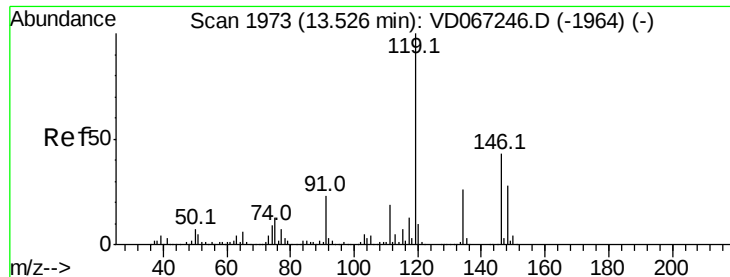
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.5 11.9 35.9

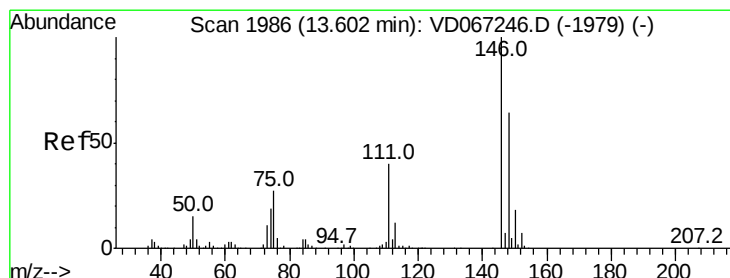
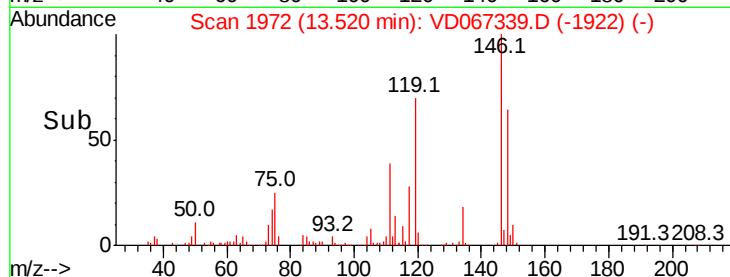
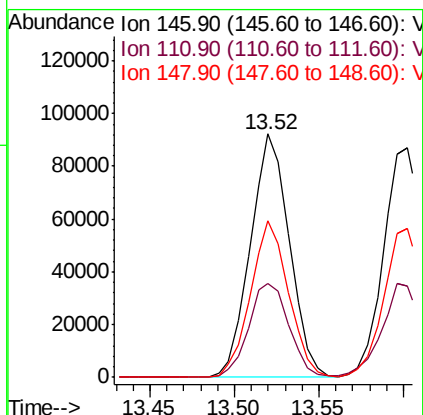
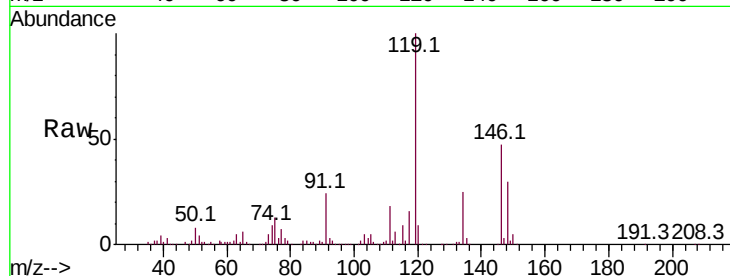




#87
 1,3-Dichlorobenzene
 Concen: 22.245 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067339.D
 Acq: 21 Oct 2020 11:20

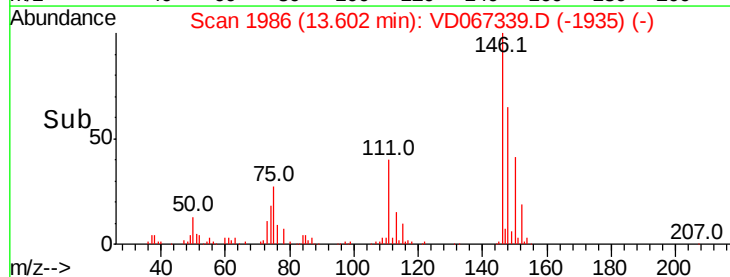
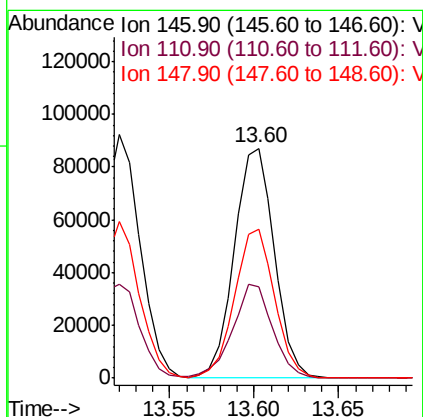
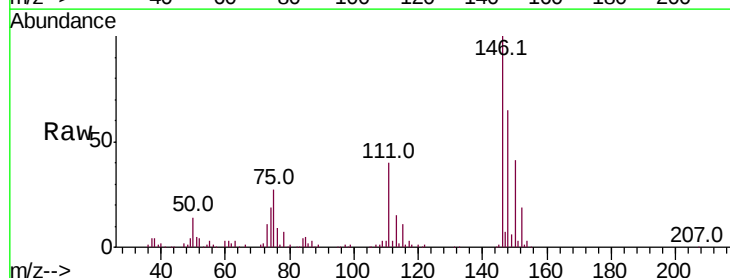
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1021SBS01

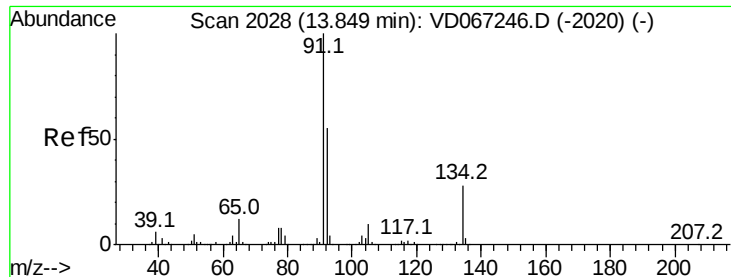
Tot Ion:146 Resp: 148419
 Ion Ratio Lower Upper
 146 100
 111 39.8 21.1 63.3
 148 62.4 31.9 95.9



#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:146 Resp: 143587
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.9 59.7
 148 64.5 31.9 95.9

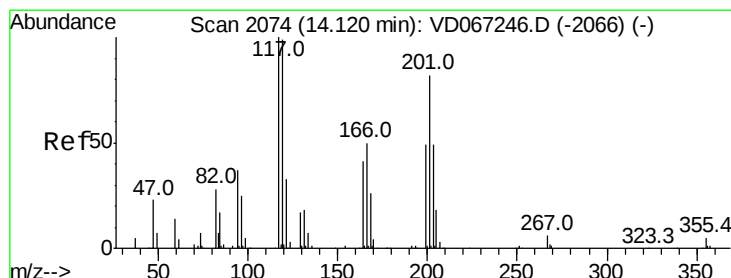
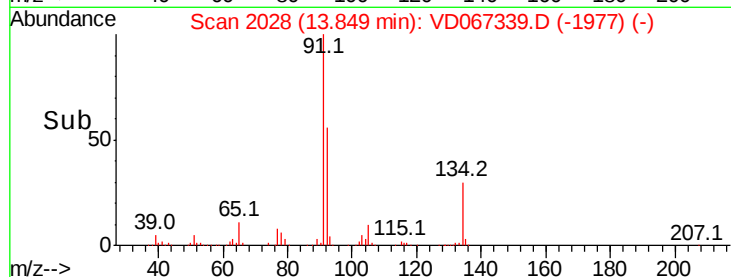
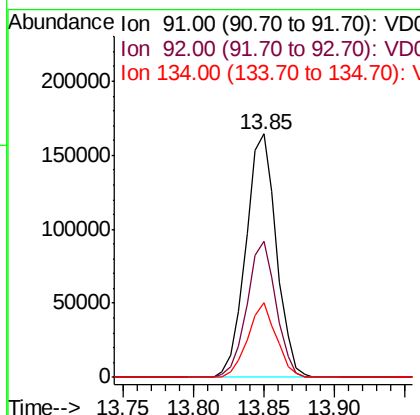
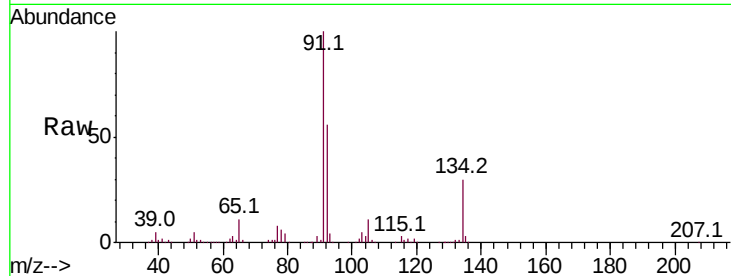




#89
n-Butylbenzene
Concen: 21.438 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067339.D
Acq: 21 Oct 2020 11:20

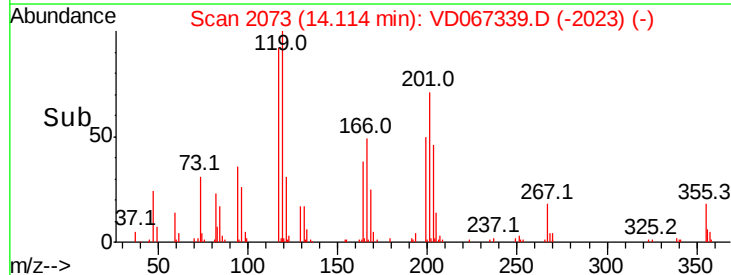
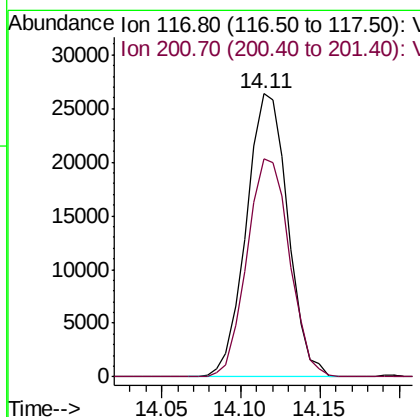
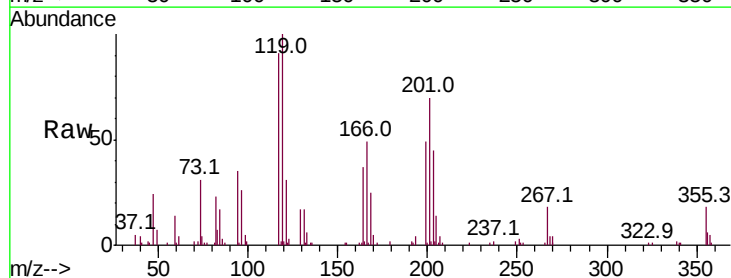
Instrument :
MSVOA_D
ClientSampleId :
VD1021SBS01

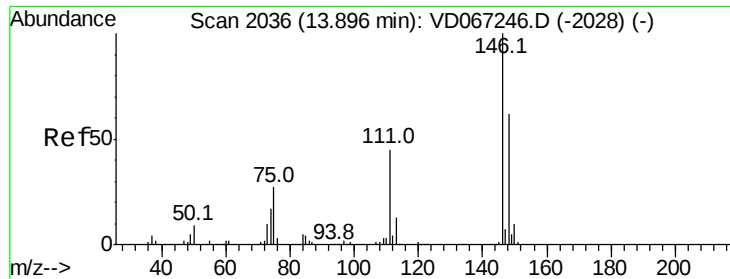
Tot Ion: 91 Resp: 249303
Ion Ratio Lower Upper
91 100
92 53.4 26.7 80.0
134 28.6 14.2 42.6



#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: 117 Resp: 48148
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

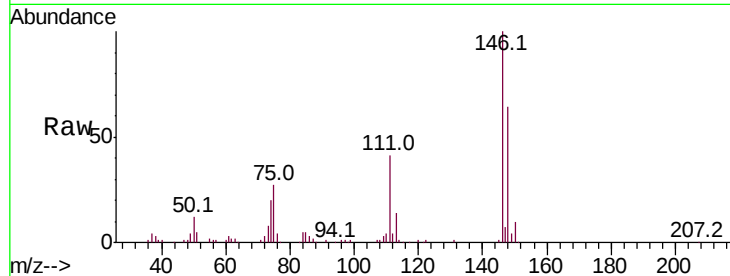
Tot Ion:146 Resp: 123859

Ion Ratio Lower Upper

146 100

111 41.8 22.0 66.0

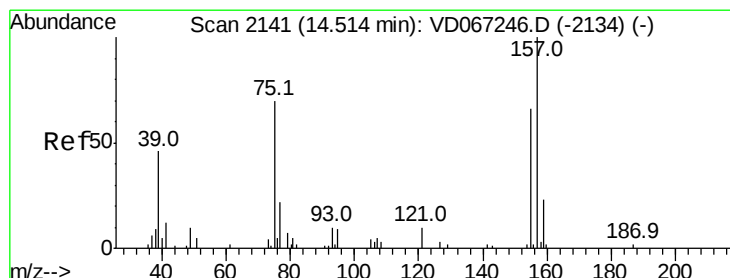
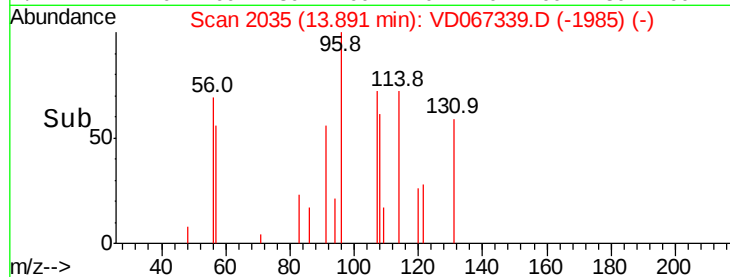
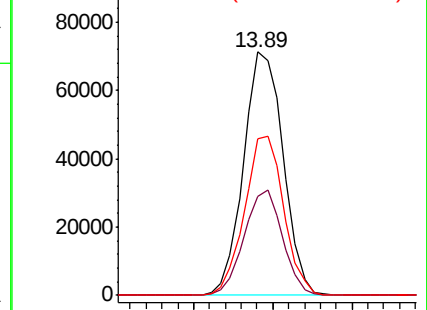
148 64.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#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

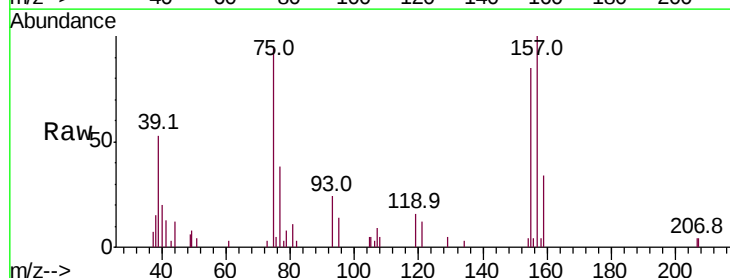
Tgt Ion: 75 Resp: 7905

Ion Ratio Lower Upper

75 100

155 92.9 44.8 134.4

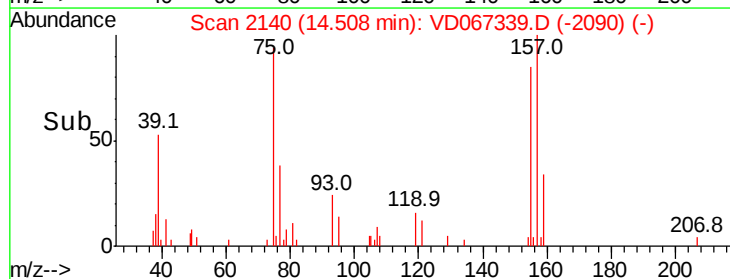
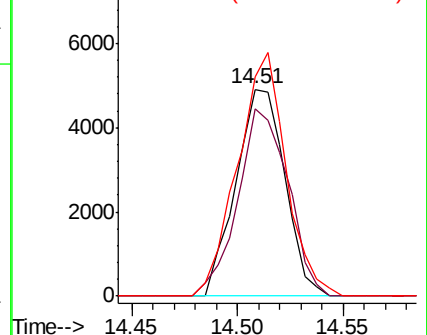
157 116.1 62.5 187.4

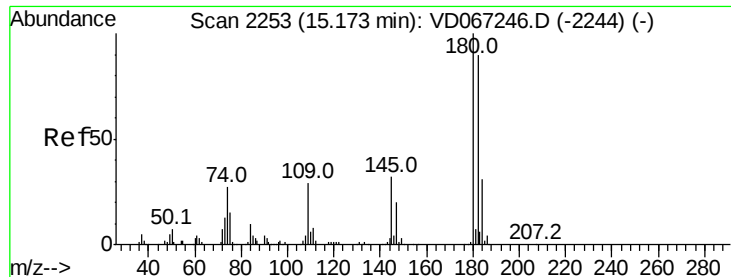


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#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

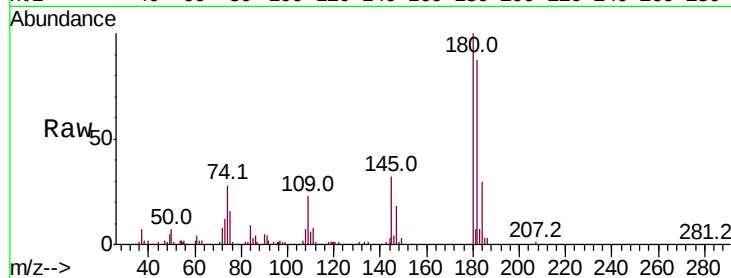
Tot Ion:180 Resp: 85543

Ion Ratio Lower Upper

180 100

182 93.8 48.1 144.4

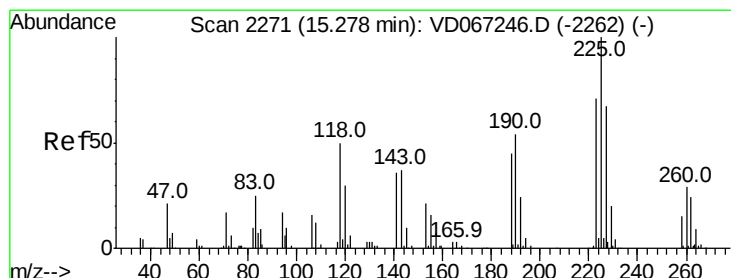
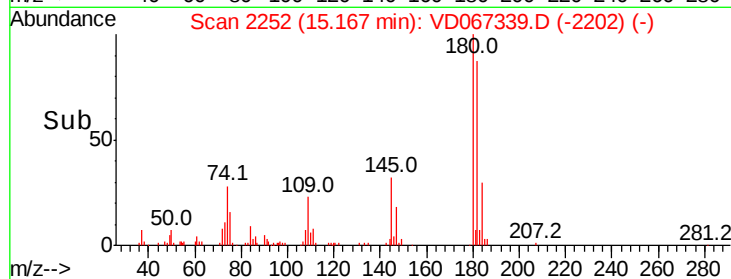
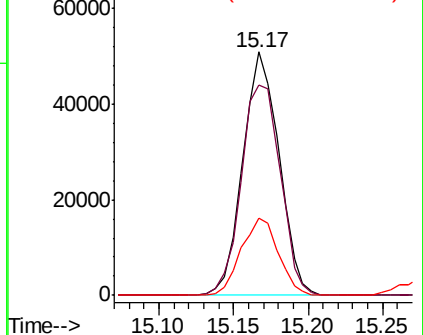
145 33.0 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#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

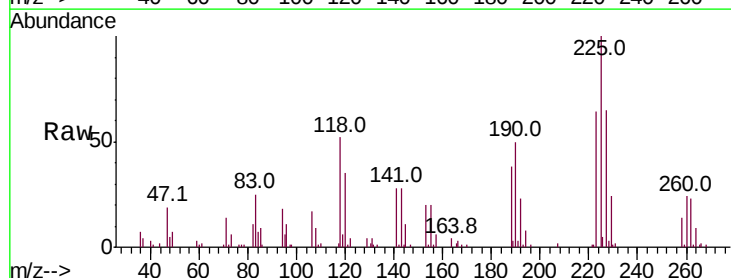
Tgt Ion:225 Resp: 52906

Ion Ratio Lower Upper

225 100

223 63.3 31.9 95.7

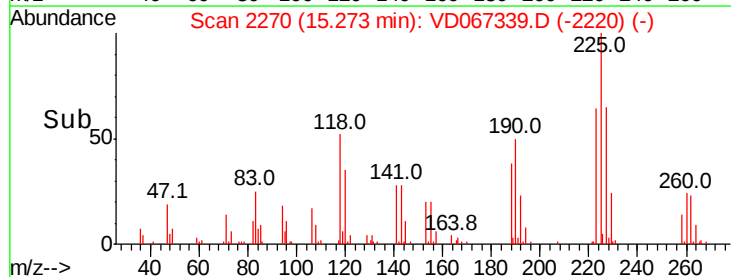
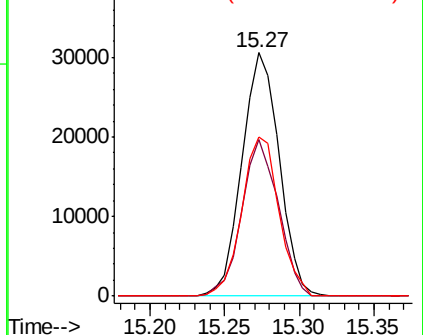
227 65.2 31.2 93.6

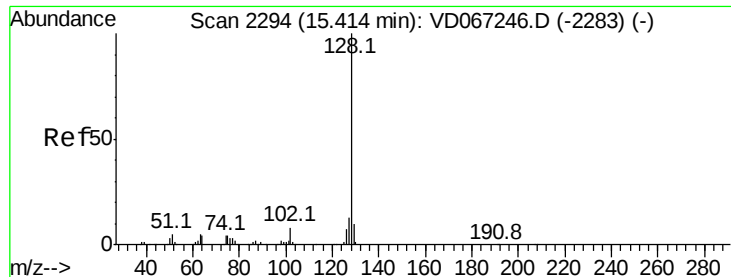


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#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

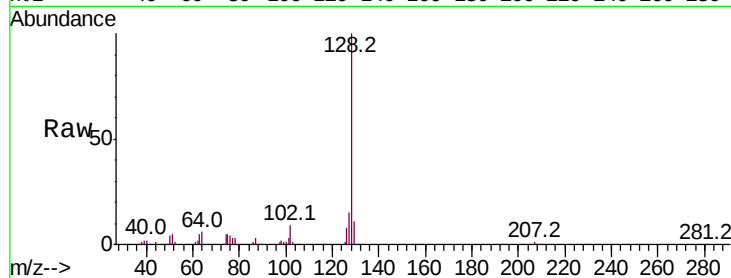
Tot Ion:128 Resp: 126911

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

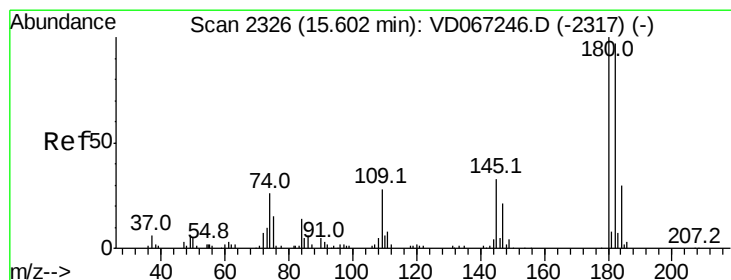
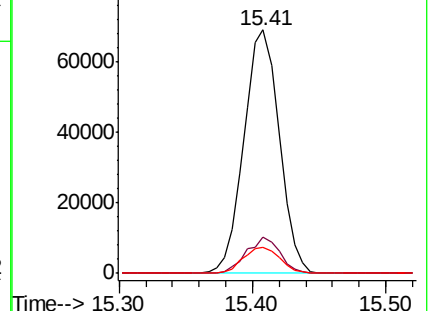
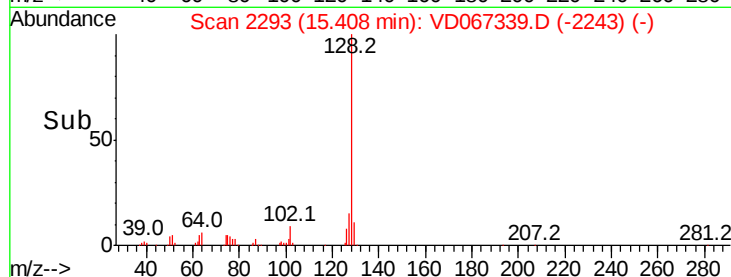
129 11.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

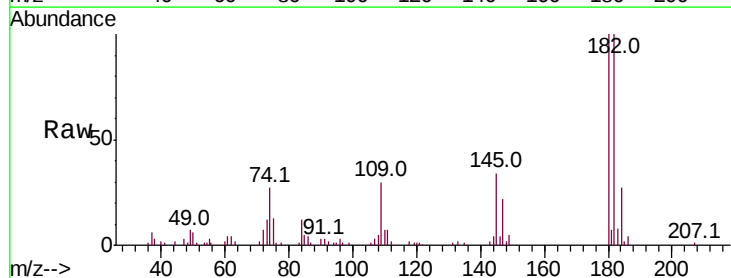
Tgt Ion:180 Resp: 74885

Ion Ratio Lower Upper

180 100

182 93.4 48.1 144.3

145 32.8 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

