

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065617.D
 Acq On : 13 Apr 2020 15:20
 Operator : VA/SY
 Sample : VD0413SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Quant Time: Apr 14 02:12:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	488010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	691901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	635423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325295	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	205639	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
35) Dibromofluoromethane	7.92	113	217323	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
50) Toluene-d8	10.34	98	813944	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
62) 4-Bromofluorobenzene	12.64	95	264478	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	86666	19.694	ug/l	97
3) Chloromethane	2.21	50	102617	18.752	ug/l	99
4) Vinyl Chloride	2.35	62	98722	19.295	ug/l	97
5) Bromomethane	2.76	94	70526	19.545	ug/l	99
6) Chloroethane	2.92	64	62503	19.837	ug/l	99
7) Trichlorofluoromethane	3.27	101	153446	19.773	ug/l	97
8) Diethyl Ether	3.70	74	29493	18.395	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102471	20.200	ug/l	99
10) Methyl Iodide	4.30	142	103421	19.839	ug/l	99
11) Tert butyl alcohol	5.25	59	21161	90.820	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	91813	19.623	ug/l	98
13) Acrolein	3.93	56	22452	69.421	ug/l	98
14) Allyl chloride	4.71	41	137855	19.862	ug/l	99
15) Acrylonitrile	5.43	53	91571	96.849	ug/l	100
16) Acetone	4.17	43	80586	96.693	ug/l	95
17) Carbon Disulfide	4.40	76	305549	19.627	ug/l	99
18) Methyl Acetate	4.72	43	48237	19.719	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	179099	19.801	ug/l	98
20) Methylene Chloride	4.96	84	108632	19.718	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	105811	19.926	ug/l	97
22) Diisopropyl ether	6.37	45	278611	20.884	ug/l	97
23) Vinyl Acetate	6.31	43	711947	100.868	ug/l	100
24) 1,1-Dichloroethane	6.26	63	176175	19.850	ug/l	98
25) 2-Butanone	7.23	43	109197	95.724	ug/l	96
26) 2,2-Dichloropropane	7.21	77	160245	20.175	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	109198	20.093	ug/l	99
28) Bromochloromethane	7.55	49	70359	19.751	ug/l	100
29) Tetrahydrofuran	7.57	42	69809	97.384	ug/l	97
30) Chloroform	7.71	83	182617	19.650	ug/l	100
31) Cyclohexane	7.99	56	162031	19.680	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	169200	20.146	ug/l	98
36) 1,1-Dichloropropene	8.11	75	143898	20.201	ug/l	100
37) Ethyl Acetate	7.30	43	54133	20.467	ug/l	98
38) Carbon Tetrachloride	8.10	117	154791	20.012	ug/l	96

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 MSVOA_D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	162974	20.211	ug/l	96
40) Benzene	8.36	78	406996	19.998	ug/l	99
41) Methacrylonitrile	7.53	41	24543	16.400	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	110281	19.399	ug/l	99
43) Isopropyl Acetate	8.46	43	95883	19.870	ug/l	99
44) Trichloroethene	9.11	130	117119	20.022	ug/l	94
45) 1,2-Dichloropropane	9.39	63	98167	19.809	ug/l	100
46) Dibromomethane	9.48	93	52190	19.592	ug/l	98
47) Bromodichloromethane	9.67	83	137832	19.731	ug/l	99
48) Methyl methacrylate	9.46	41	44011	19.665	ug/l	98
49) 1,4-Dioxane	9.47	88	11110	393.809	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	254637	102.396	ug/l	99
52) Toluene	10.41	92	262464	20.396	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	123223	19.874	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	151541	19.962	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	73029	19.536	ug/l	99
56) Ethyl methacrylate	10.67	69	73559	18.721	ug/l	97
57) 1,3-Dichloropropane	10.95	76	120806	19.511	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	196831	99.414	ug/l	98
59) 2-Hexanone	10.99	43	165868	100.364	ug/l	98
60) Dibromochloromethane	11.14	129	99539	19.994	ug/l	100
61) 1,2-Dibromoethane	11.25	107	69539	19.570	ug/l	97
64) Tetrachloroethene	10.88	164	104218	20.620	ug/l	94
65) Chlorobenzene	11.67	112	275761	20.039	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	105135	20.055	ug/l	99
67) Ethyl Benzene	11.75	91	465396	20.480	ug/l	99
68) m/p-Xylenes	11.86	106	370879	41.369	ug/l	98
69) o-Xylene	12.18	106	160889	20.826	ug/l	98
70) Styrene	12.20	104	286809	20.999	ug/l	100
71) Bromoform	12.37	173	56186	19.110	ug/l #	98
73) Isopropylbenzene	12.48	105	445012	21.470	ug/l	98
74) N-amyl acetate	12.30	43	84921	19.944	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	74909	19.661	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	98652	37.813	ug/l #	100
77) Bromobenzene	12.77	156	116215	20.452	ug/l	99
78) n-propylbenzene	12.83	91	535851	21.422	ug/l	99
79) 2-Chlorotoluene	12.91	91	303841	21.194	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	371252	21.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	23320	20.705	ug/l	96
82) 4-Chlorotoluene	13.01	91	321901	20.861	ug/l	100
83) tert-Butylbenzene	13.23	119	304631	20.855	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	374398	21.567	ug/l	100
85) sec-Butylbenzene	13.41	105	443892	21.356	ug/l	99
86) p-Isopropyltoluene	13.53	119	410909	21.422	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	222969	20.348	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	219544	20.060	ug/l	98
89) n-Butylbenzene	13.86	91	366095	21.149	ug/l	99
90) Hexachloroethane	14.12	117	83757	20.017	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	189868	20.367	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11726	19.952	ug/l	100

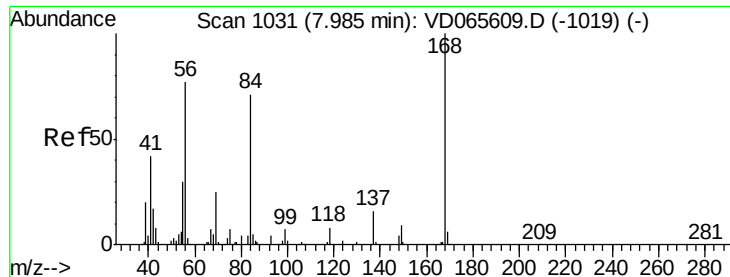
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041320\
Data File : VD065617.D
Acq On : 13 Apr 2020 15:20
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Sample : VD0413SBSD01
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:39:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	126267	20.621	ug/l	99
94) Hexachlorobutadiene	15.28	225	81516	19.152	ug/l	97
95) Naphthalene	15.41	128	166327	18.470	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	111183	20.976	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

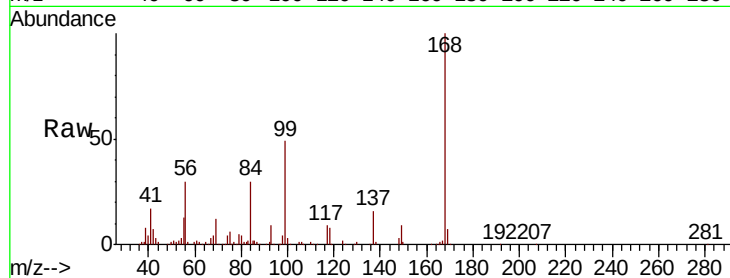
VD0413SBSD01

Tot Ion:168 Resp: 488010

Ion Ratio Lower Upper

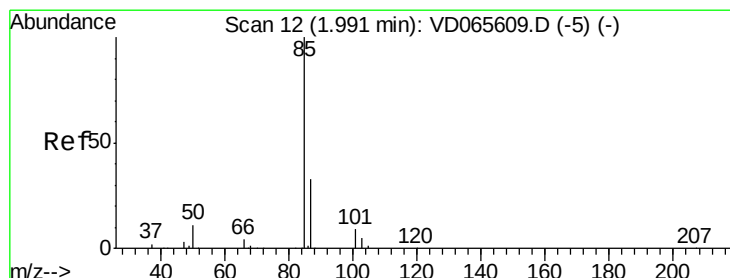
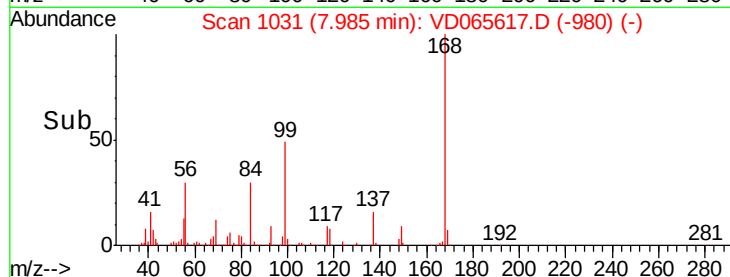
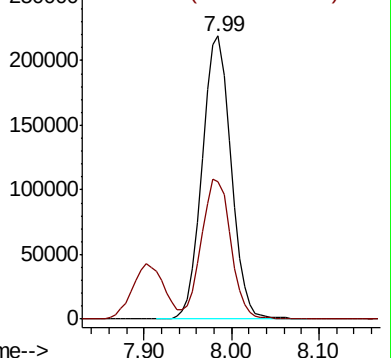
168 100

99 48.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.694 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065617.D

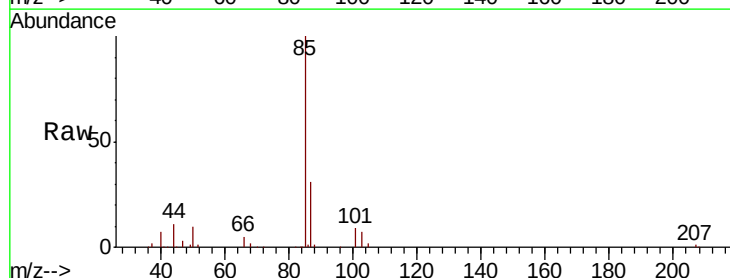
Acq: 13 Apr 2020 15:20

Tgt Ion: 85 Resp: 86666

Ion Ratio Lower Upper

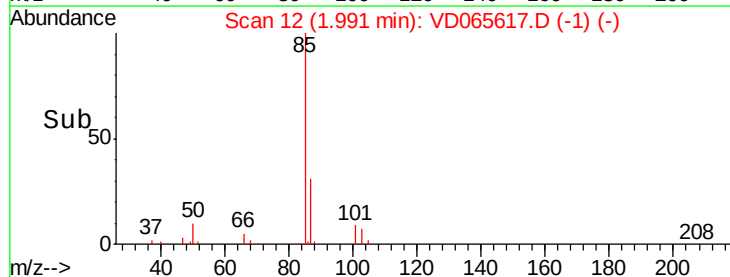
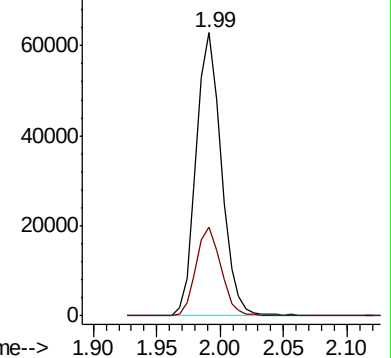
85 100

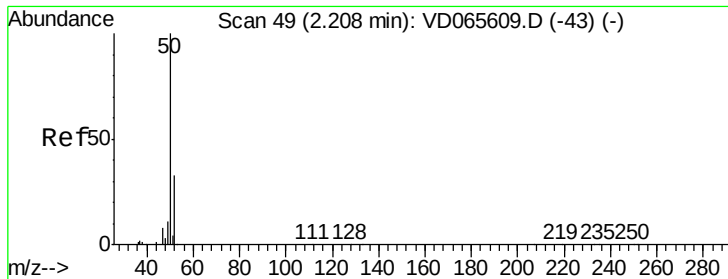
87 31.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.752 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

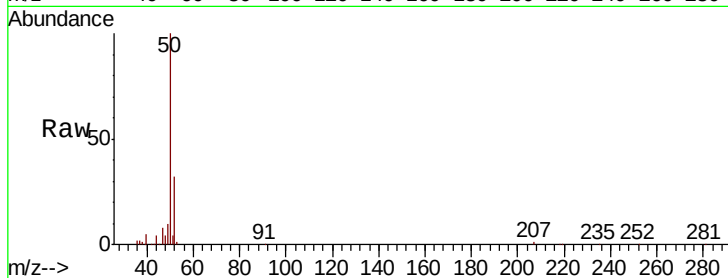
VD0413SBSD01

Tot Ion: 50 Resp: 102617

Ion Ratio Lower Upper

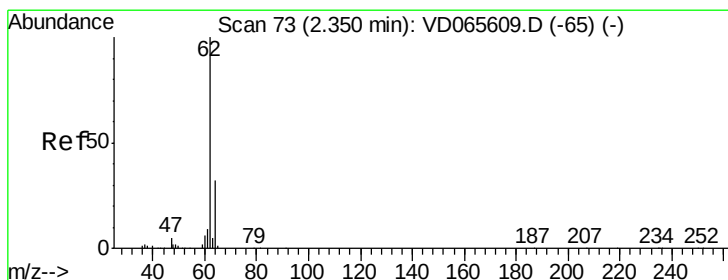
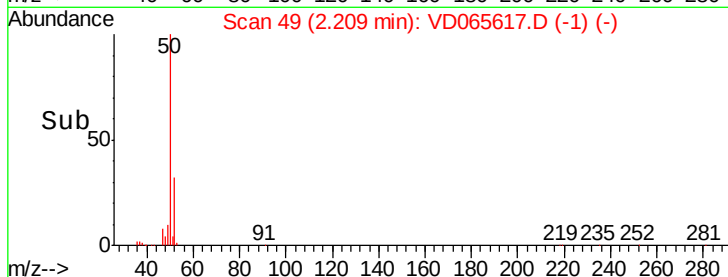
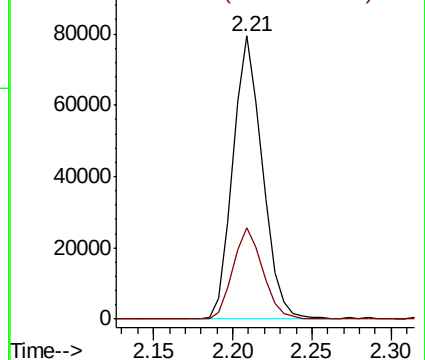
50 100

52 32.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.295 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065617.D

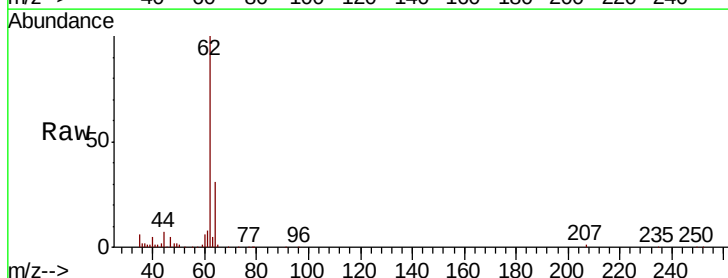
Acq: 13 Apr 2020 15:20

Tgt Ion: 62 Resp: 98722

Ion Ratio Lower Upper

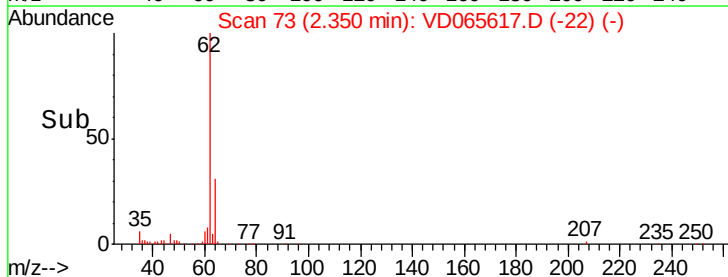
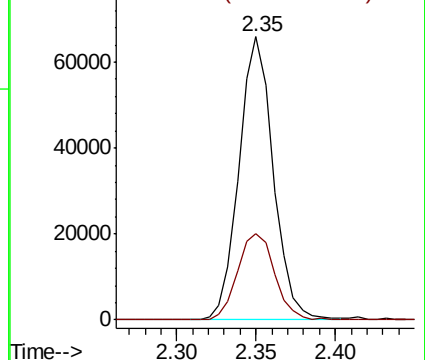
62 100

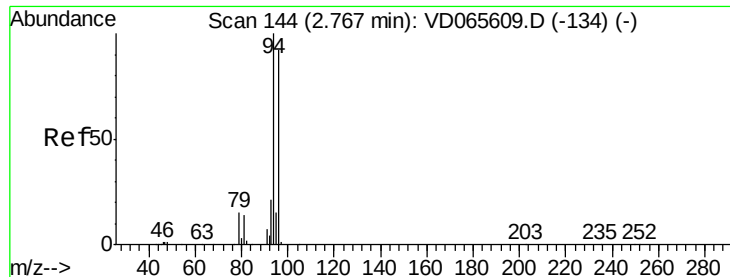
64 30.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.545 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

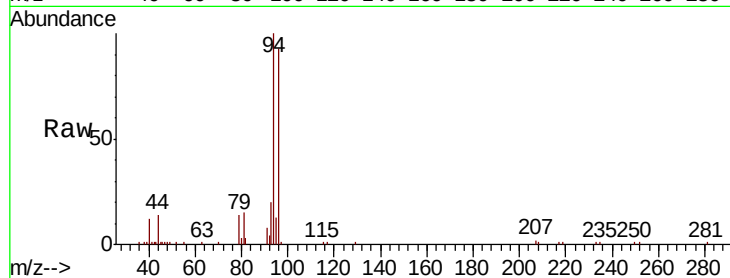
VD0413SBS01

Tot Ion: 94 Resp: 70526

Ion Ratio Lower Upper

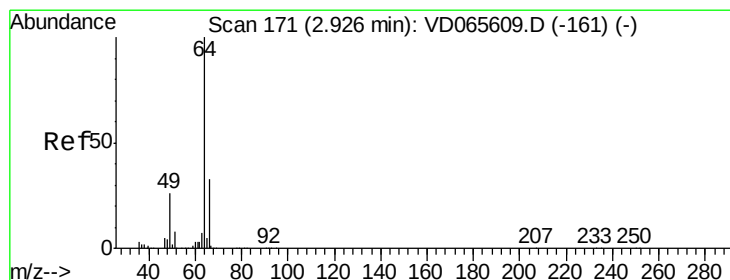
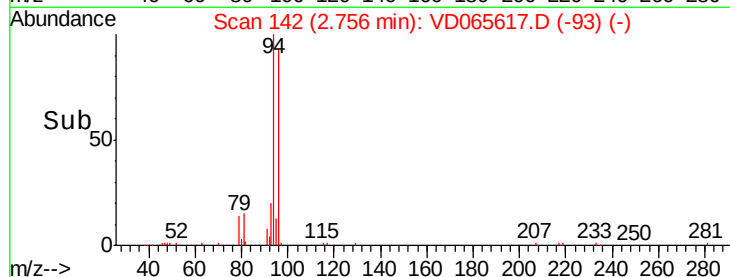
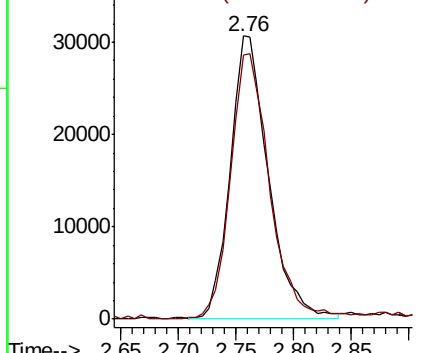
94 100

96 92.6 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.837 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065617.D

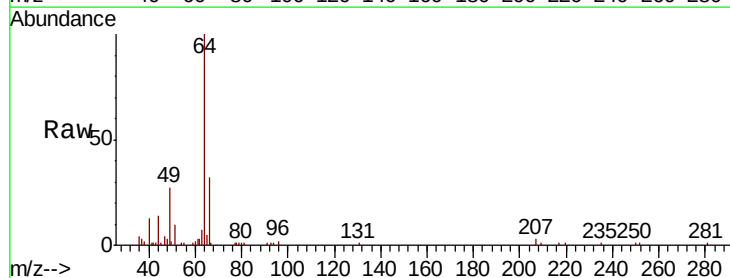
Acq: 13 Apr 2020 15:20

Tgt Ion: 64 Resp: 62503

Ion Ratio Lower Upper

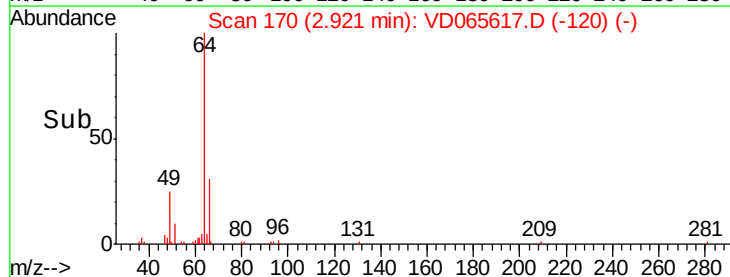
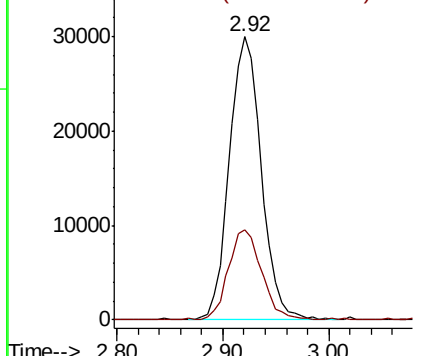
64 100

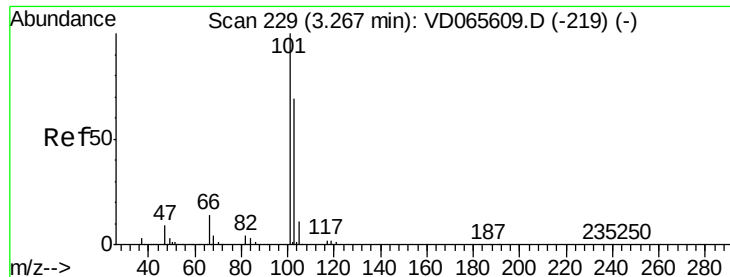
66 32.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



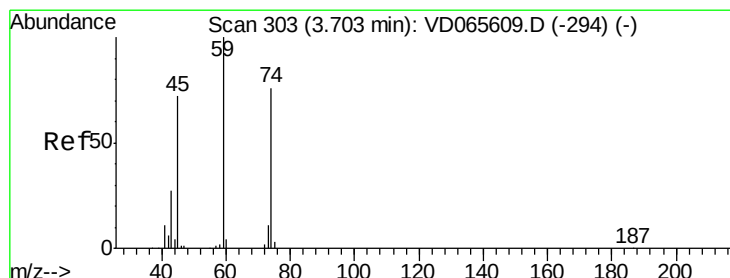
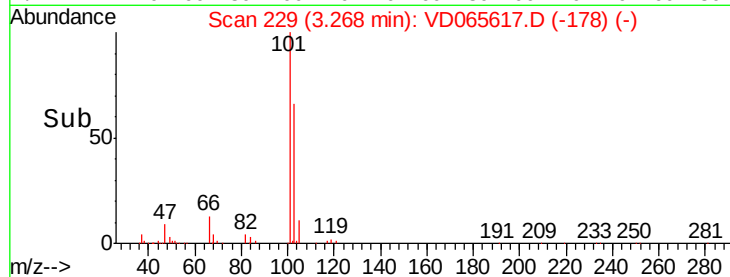
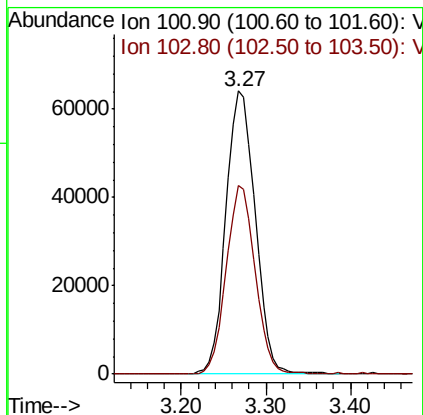
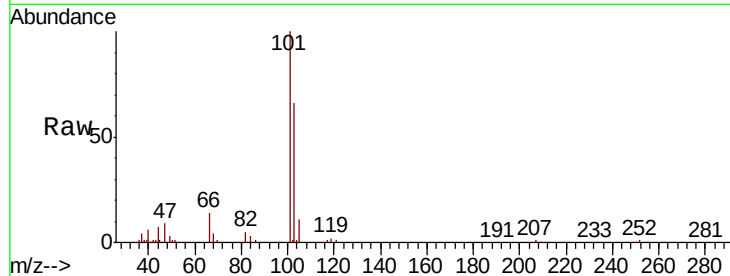


#7

Trichlorofluoromethane
 Concen: 19.773 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBSD01

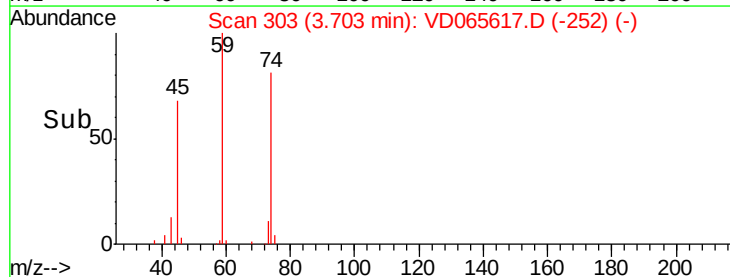
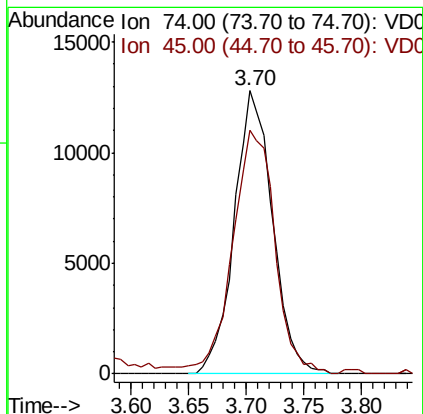
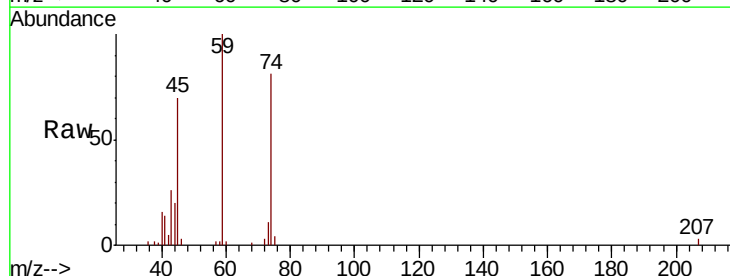
Tot Ion:101 Resp: 153446
 Ion Ratio Lower Upper
 101 100
 103 66.5 55.0 82.4

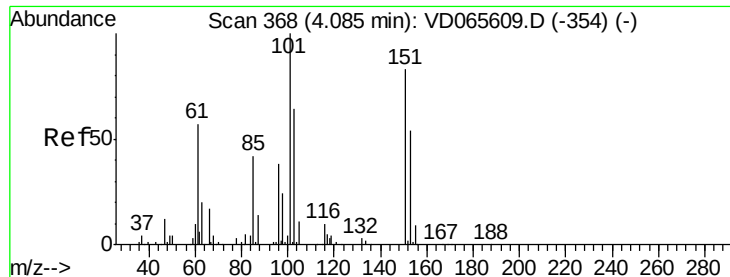


#8

Diethyl Ether
 Concen: 18.395 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion: 74 Resp: 29493
 Ion Ratio Lower Upper
 74 100
 45 95.0 47.8 143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.200 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

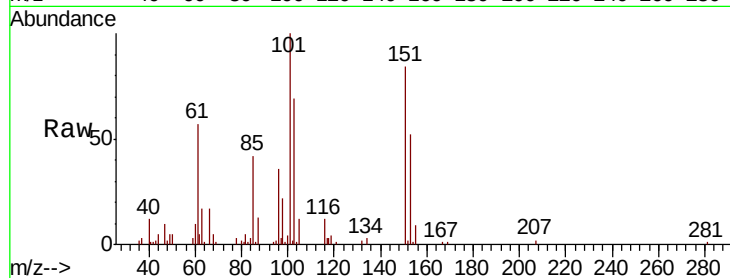
Tot Ion:101 Resp: 102471

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.6

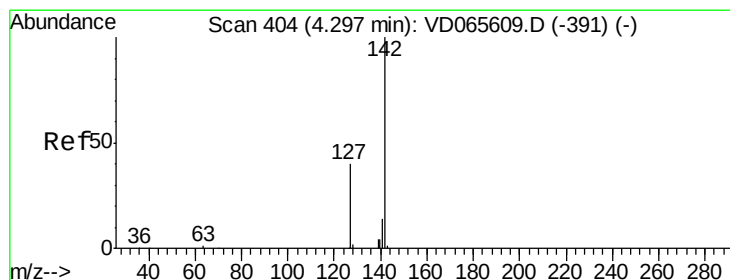
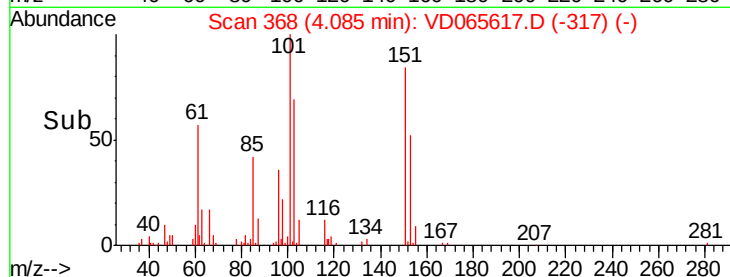
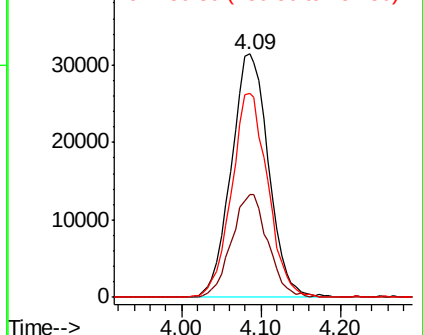
151 81.5 65.0 97.4



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: 19.839 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

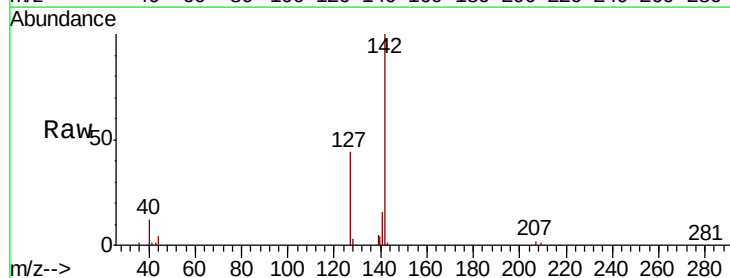
Tgt Ion:142 Resp: 103421

Ion Ratio Lower Upper

142 100

127 42.5 34.6 51.8

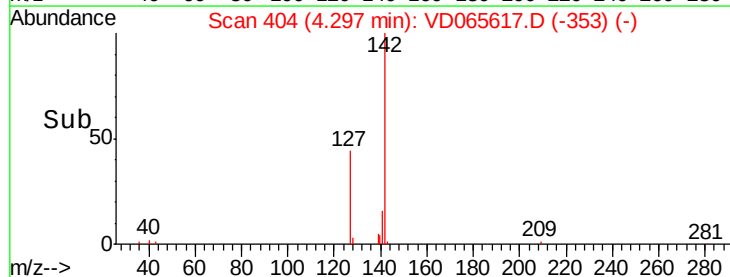
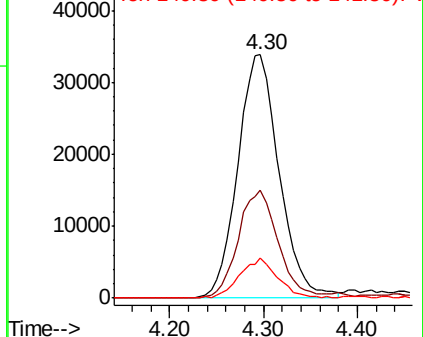
141 15.1 11.7 17.5

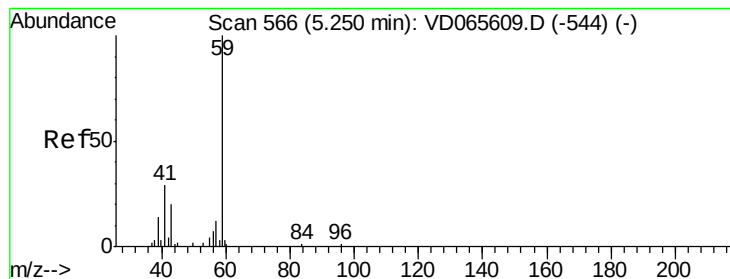


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.820 ug/l

RT: 5.25 min Scan# 566

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

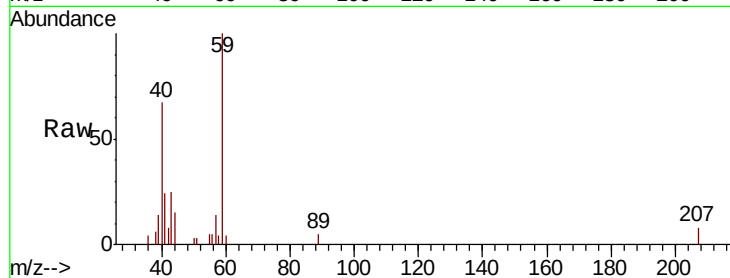
VD0413SBS01

Tot Ion: 59 Resp: 21161

Ion Ratio Lower Upper

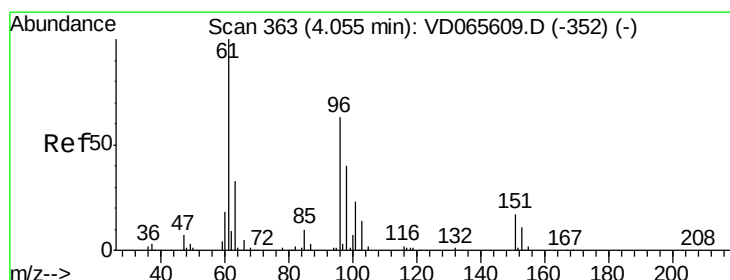
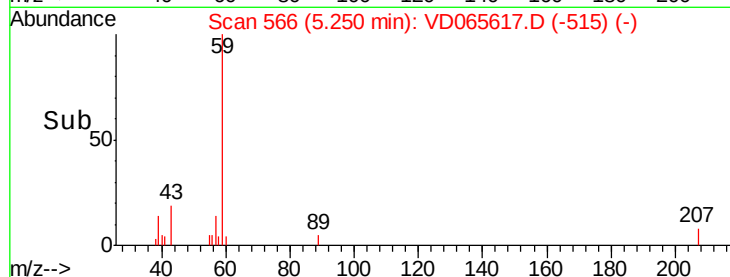
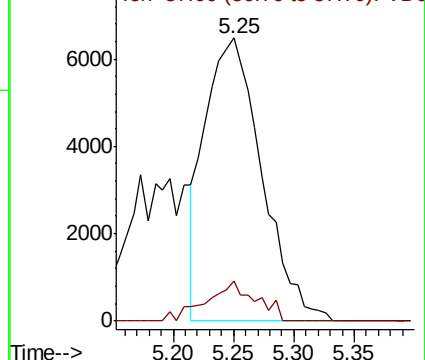
59 100

57 12.2 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.623 ug/l

RT: 4.06 min Scan# 363

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

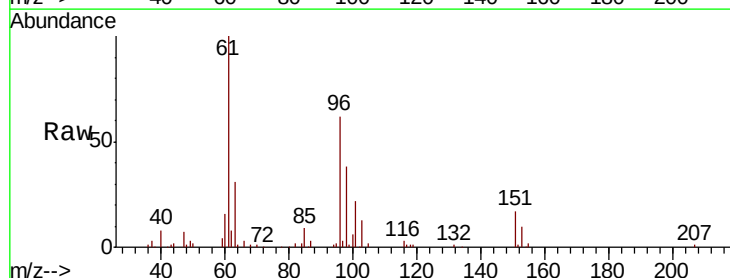
Tgt Ion: 96 Resp: 91813

Ion Ratio Lower Upper

96 100

61 160.7 126.6 190.0

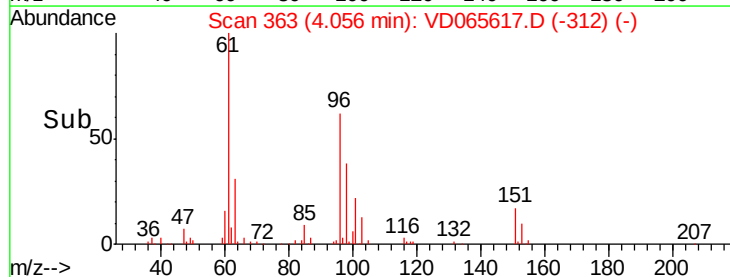
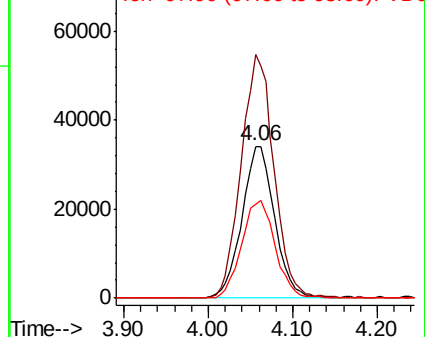
98 61.7 50.2 75.4

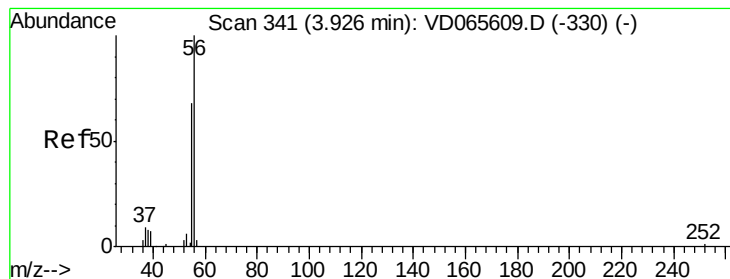


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 69.421 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

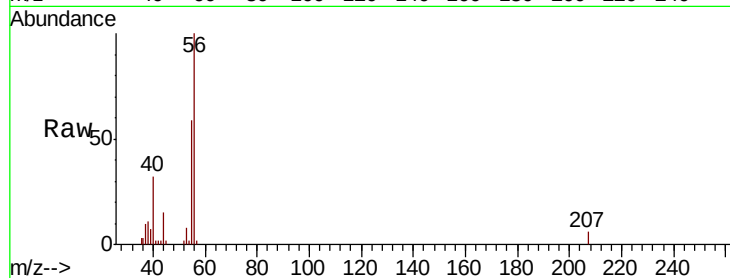
VD0413BSD01

Tot Ion: 56 Resp: 22452

Ion Ratio Lower Upper

56 100

55 70.9 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

10000

8000

6000

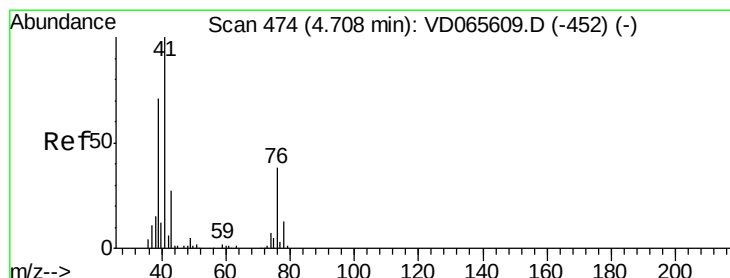
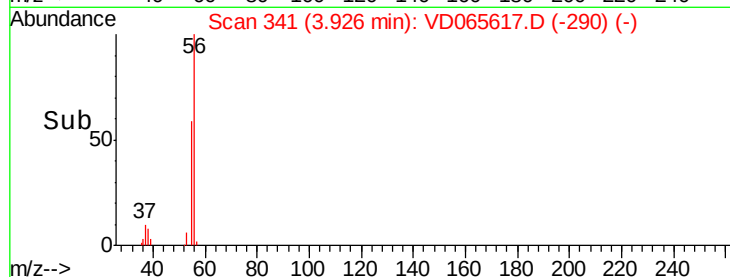
4000

2000

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 19.862 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

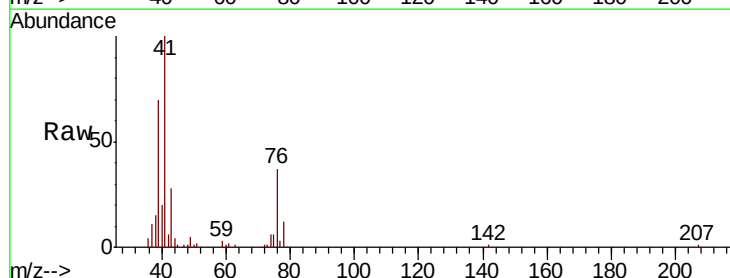
Tgt Ion: 41 Resp: 137855

Ion Ratio Lower Upper

41 100

39 68.8 54.2 81.2

76 36.2 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

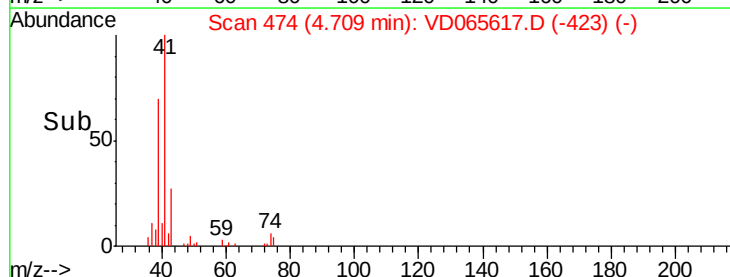
20000

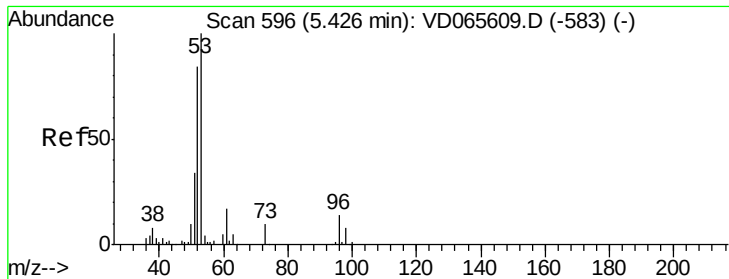
10000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 96.849 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

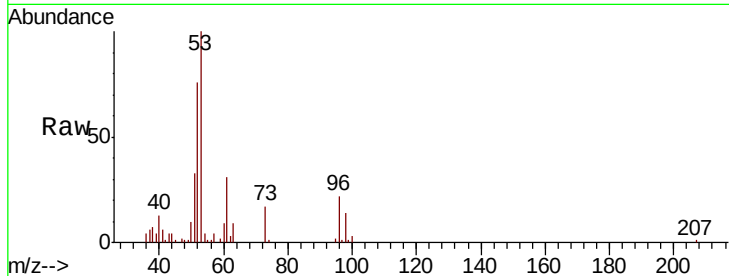
Tot Ion: 53 Resp: 91571

Ion Ratio Lower Upper

53 100

52 81.2 65.3 97.9

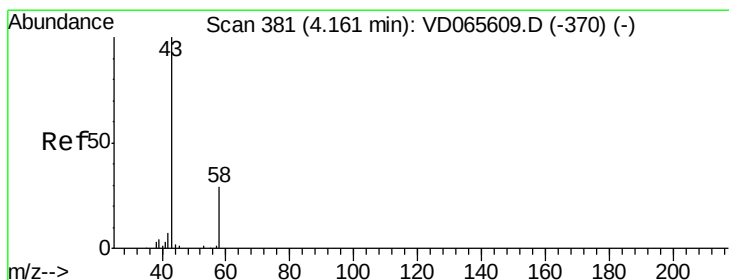
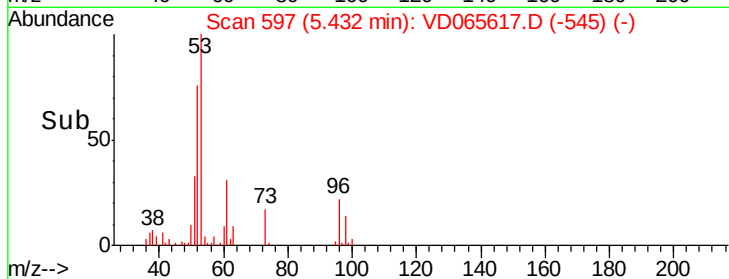
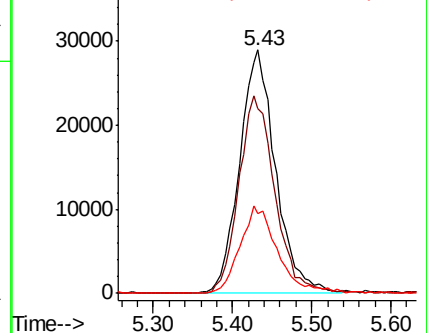
51 37.2 29.5 44.3



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: 96.693 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD065617.D

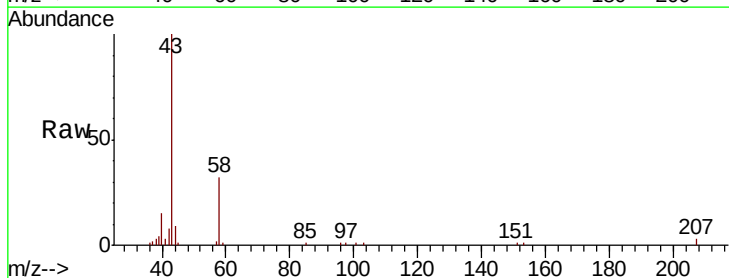
Acq: 13 Apr 2020 15:20

Tgt Ion: 43 Resp: 80586

Ion Ratio Lower Upper

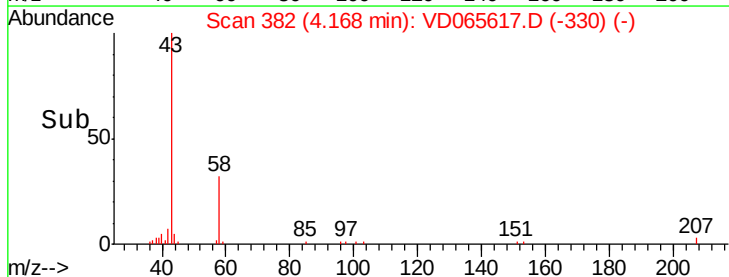
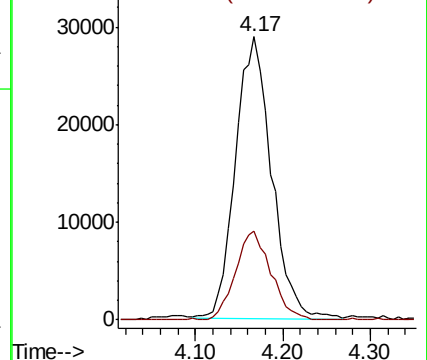
43 100

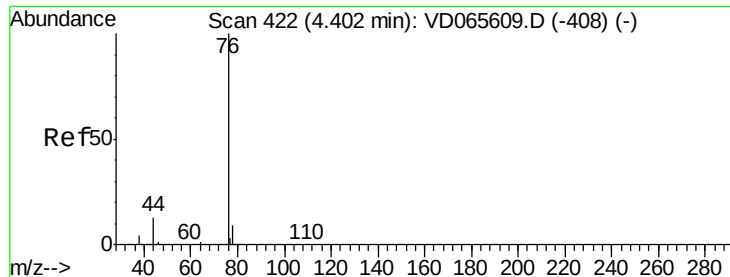
58 31.7 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 19.627 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

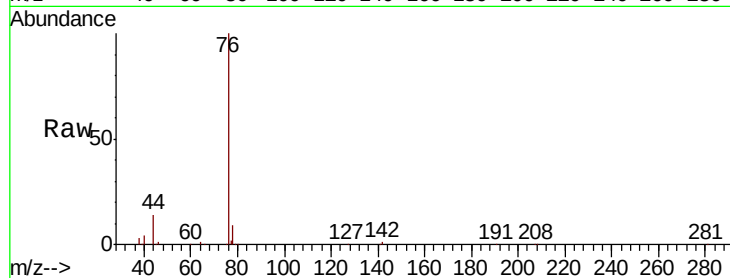
VD0413SBSD01

Tot Ion: 76 Resp: 305549

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

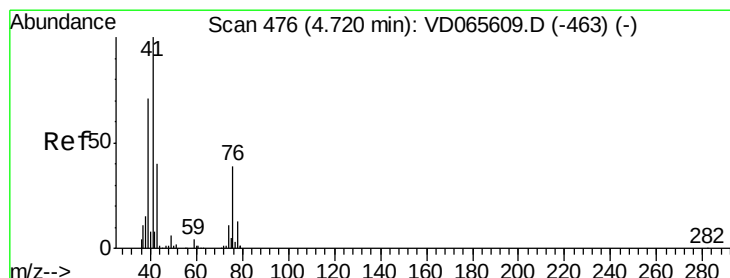
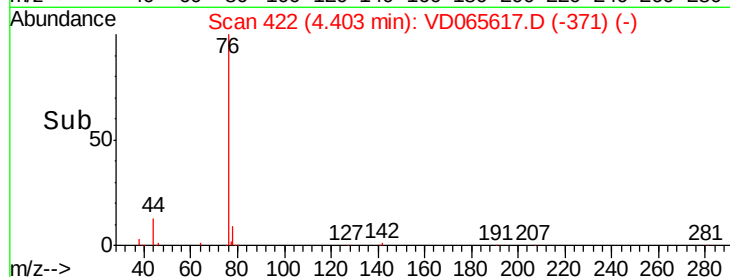
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.719 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD065617.D

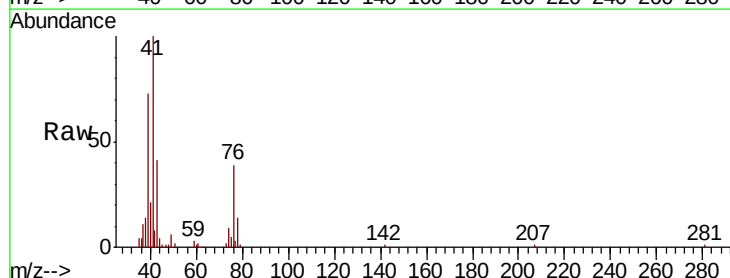
Acq: 13 Apr 2020 15:20

Tgt Ion: 43 Resp: 48237

Ion Ratio Lower Upper

43 100

74 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

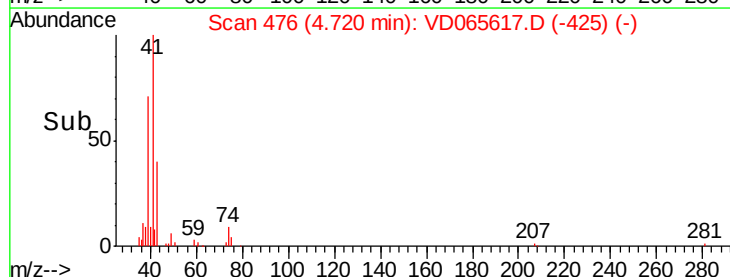
15000

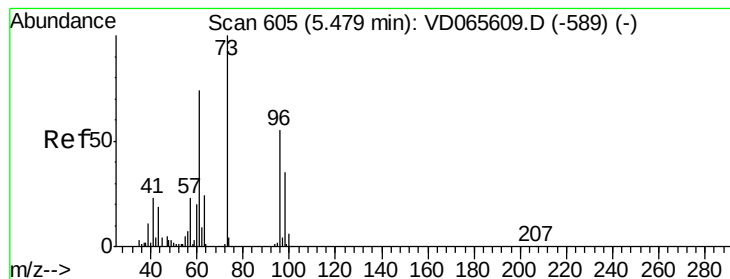
10000

5000

0

Time-->



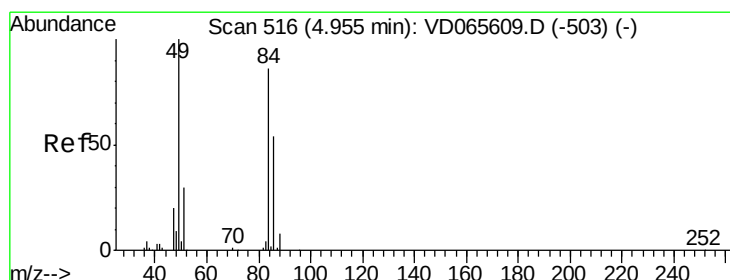
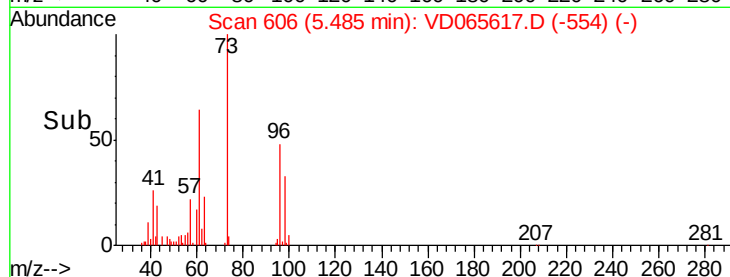
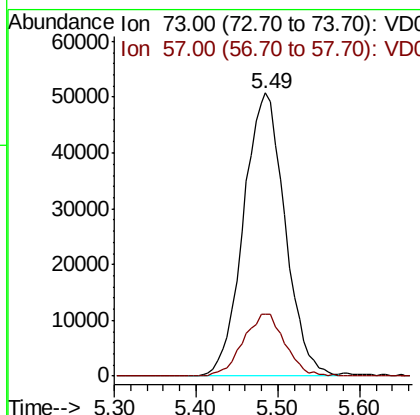
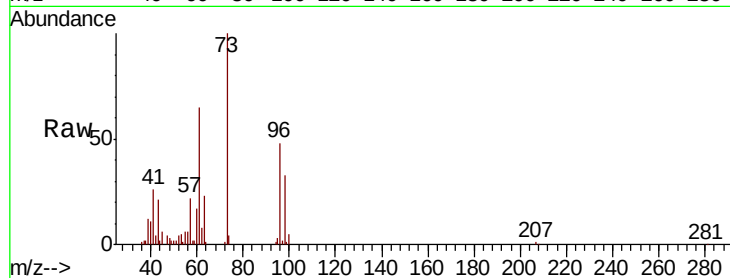


#19

Methyl tert-butyl Ether
 Concen: 19.801 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413BSD01

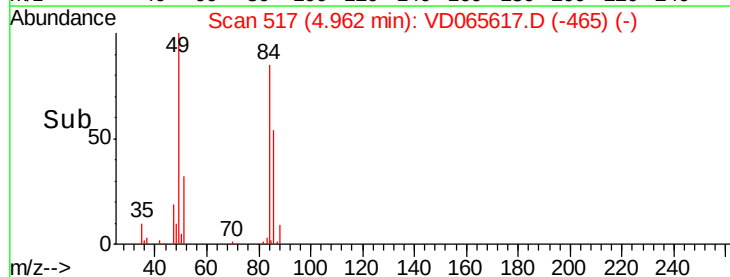
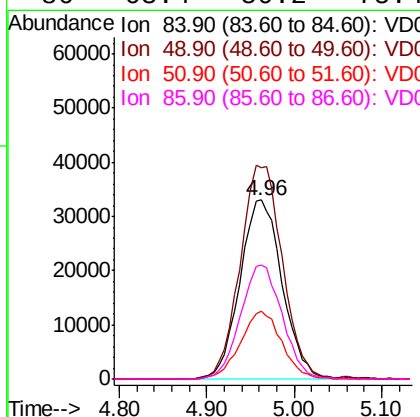
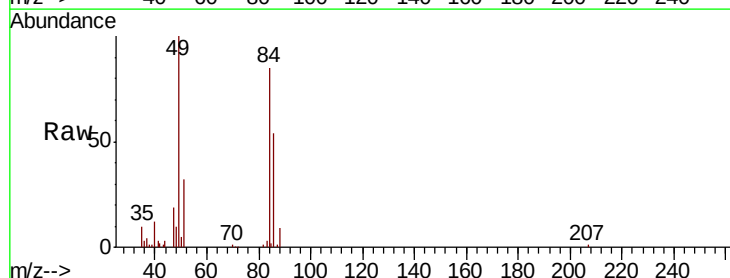
Tot Ion: 73 Resp: 179099
 Ion Ratio Lower Upper
 73 100
 57 21.7 18.2 27.2

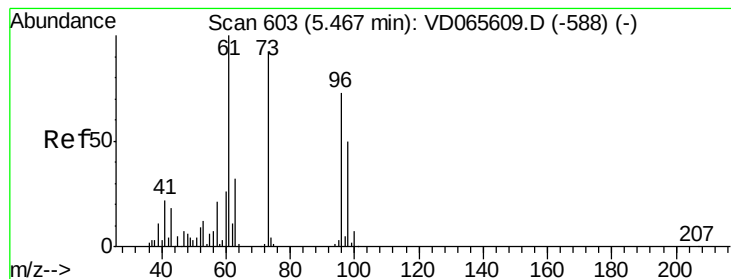


#20

Methylene Chloride
 Concen: 19.718 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion: 84 Resp: 108632
 Ion Ratio Lower Upper
 84 100
 49 118.2 93.4 140.2
 51 38.0 28.5 42.7
 86 63.4 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.926 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

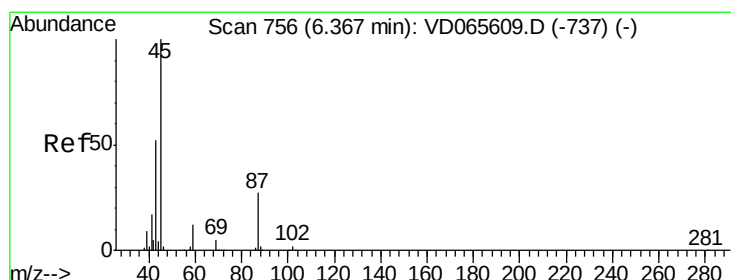
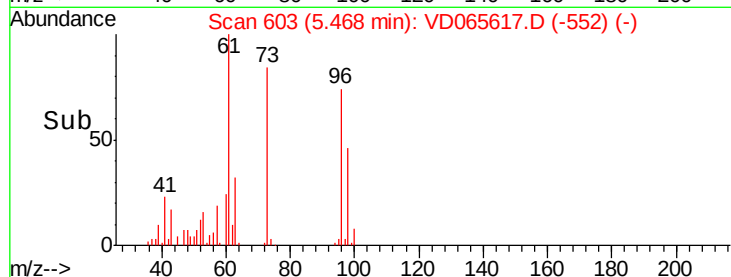
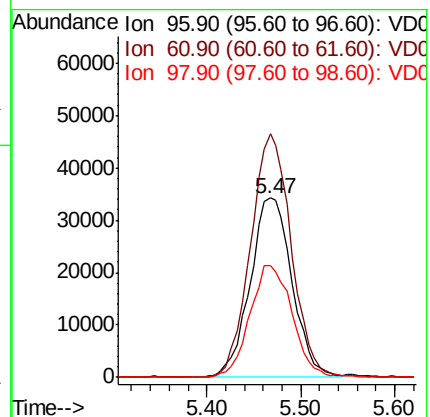
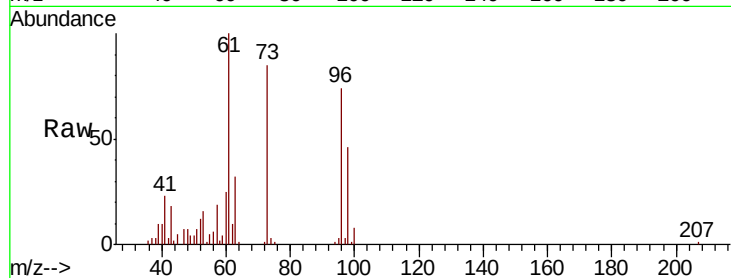
Tot Ion: 96 Resp: 105811

Ion Ratio Lower Upper

96 100

61 135.8 109.8 164.6

98 62.4 54.8 82.2



#22

Diisopropyl ether

Concen: 20.884 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Tgt Ion: 45 Resp: 278611

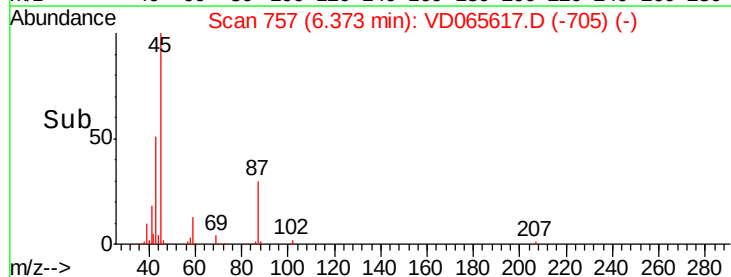
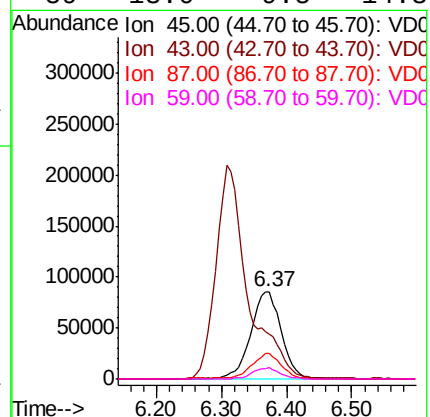
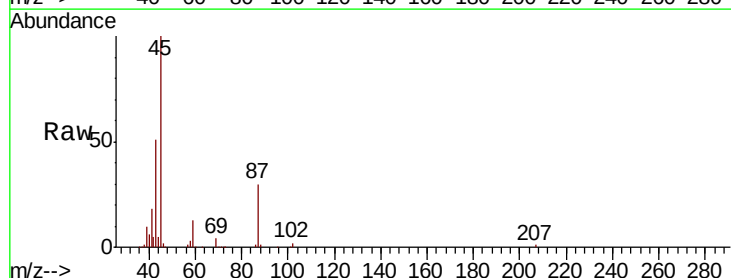
Ion Ratio Lower Upper

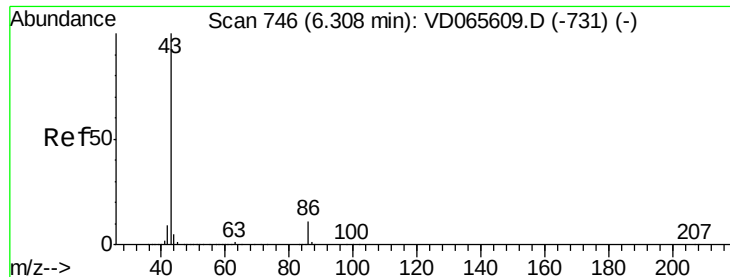
45 100

43 50.5 42.5 63.7

87 29.6 22.3 33.5

59 13.0 9.5 14.3





#23

Vinyl Acetate

Concen: 100.868 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

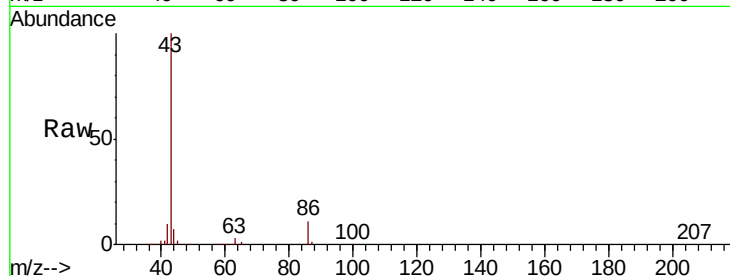
VD0413SBS01

Tot Ion: 43 Resp: 711947

Ion Ratio Lower Upper

43 100

86 11.2 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

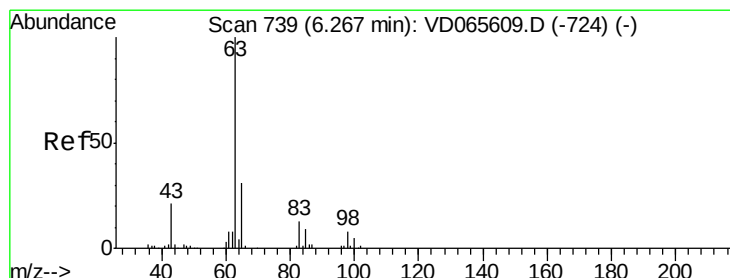
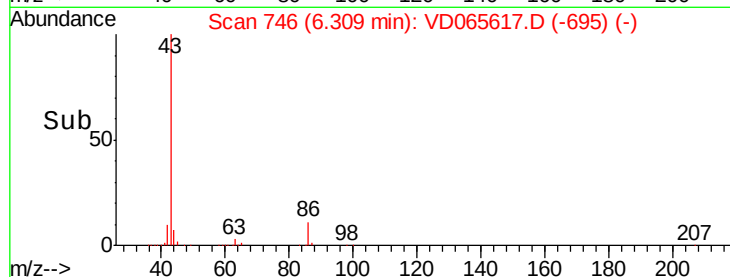
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.850 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

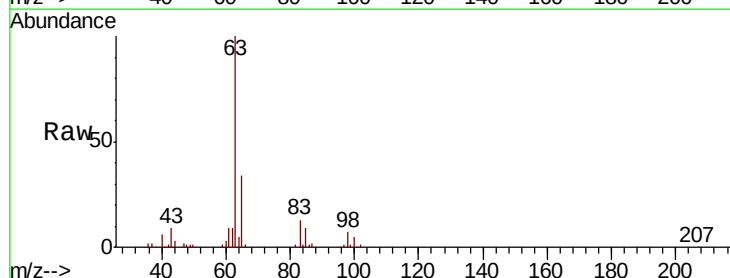
Tgt Ion: 63 Resp: 176175

Ion Ratio Lower Upper

63 100

98 7.0 4.0 11.9

100 5.4 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

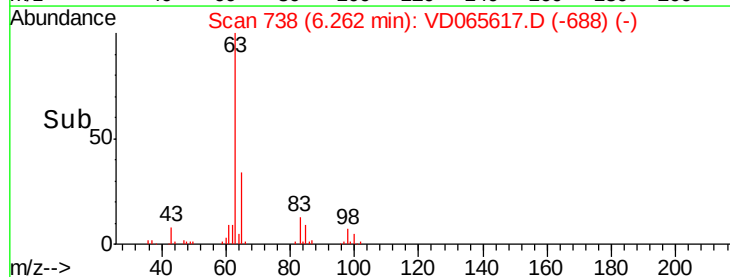
40000

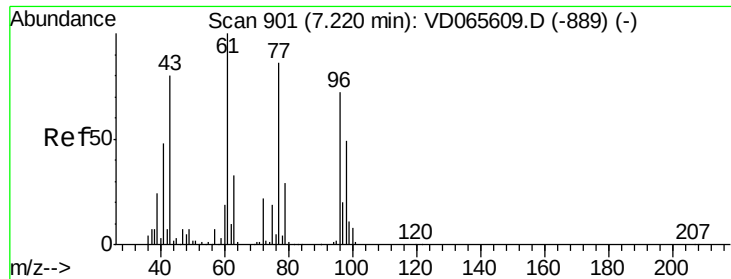
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 95.724 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

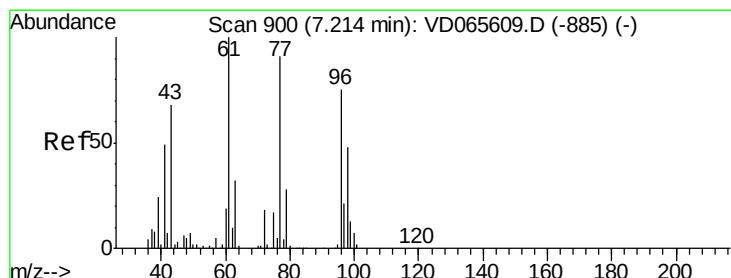
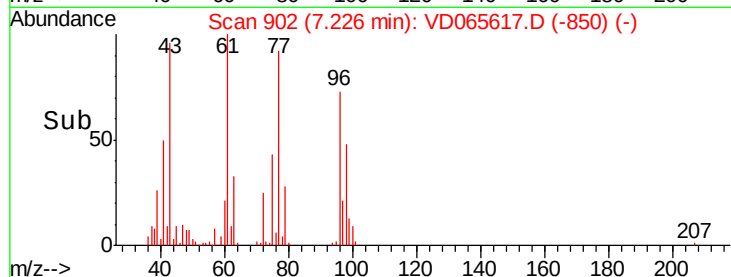
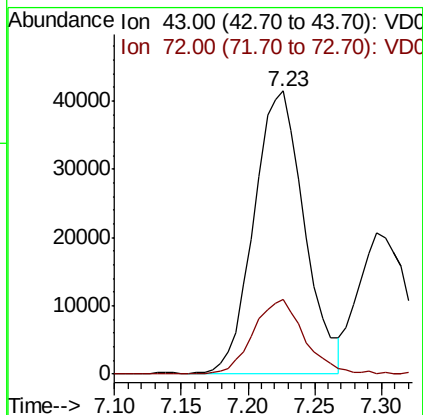
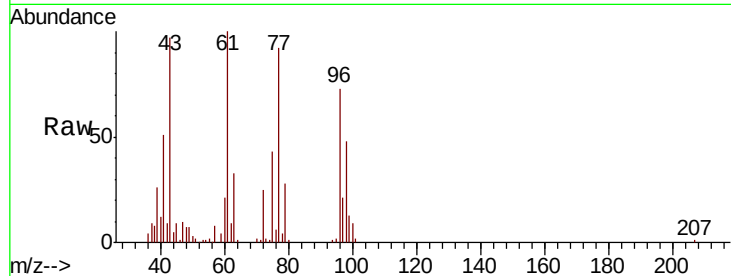
VD0413SBSD01

Tot Ion: 43 Resp: 109197

Ion Ratio Lower Upper

43 100

72 26.2 22.5 33.7



#26

2,2-Dichloropropane

Concen: 20.175 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065617.D

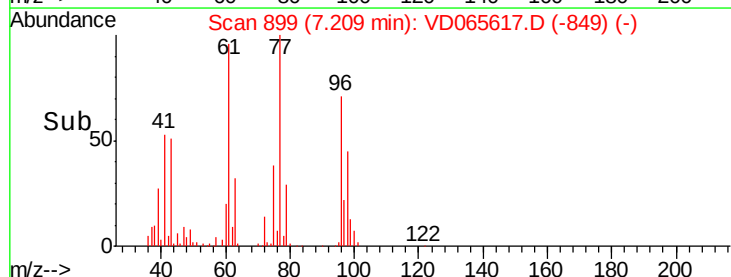
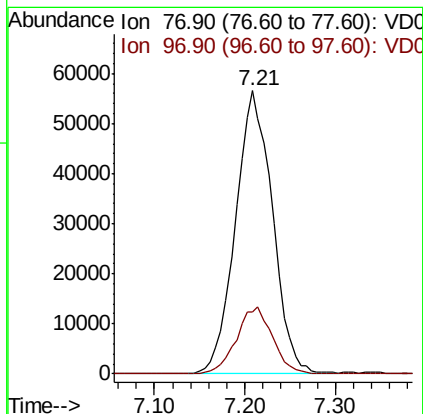
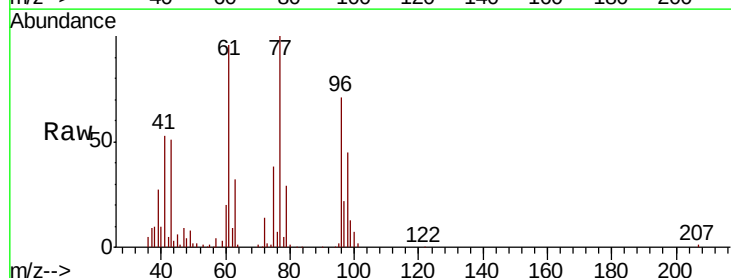
Acq: 13 Apr 2020 15:20

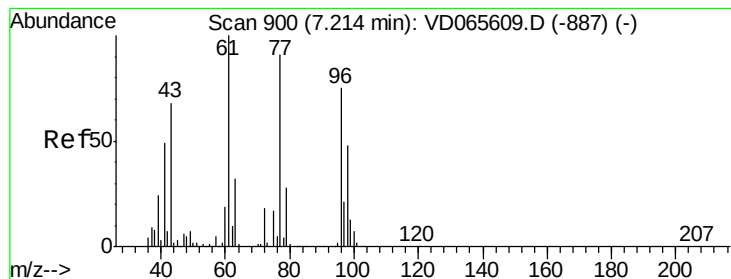
Tgt Ion: 77 Resp: 160245

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 20.093 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

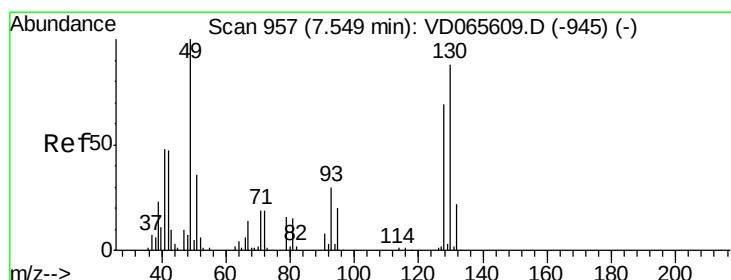
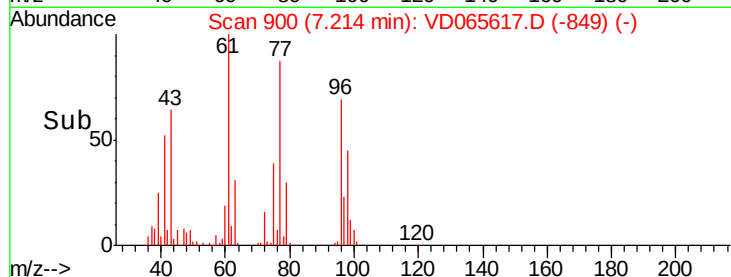
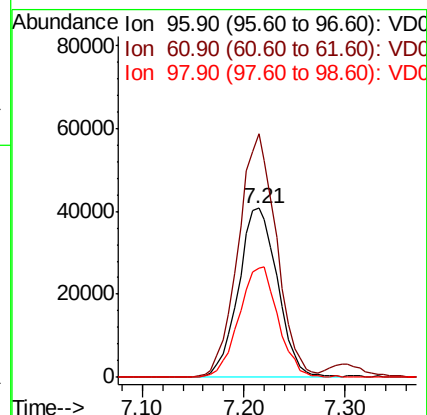
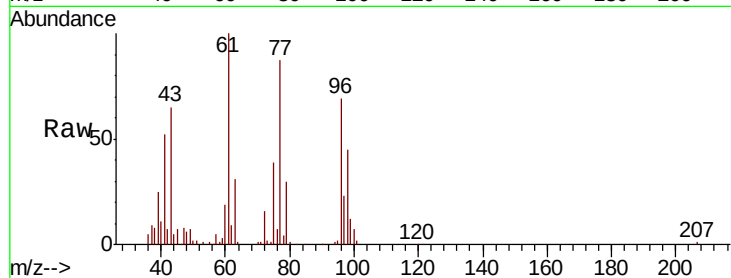
Tot Ion: 96 Resp: 109198

Ion Ratio Lower Upper

96 100

61 140.7 0.0 279.0

98 64.4 0.0 130.2



#28

Bromochloromethane

Concen: 19.751 ug/l

RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

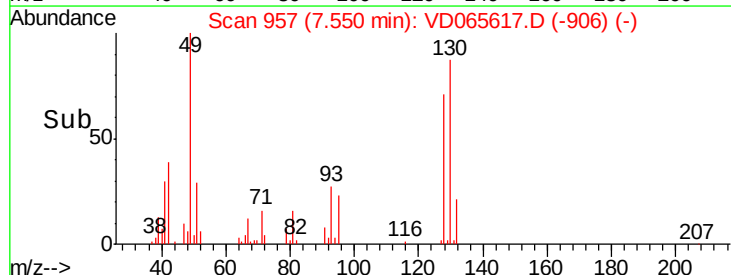
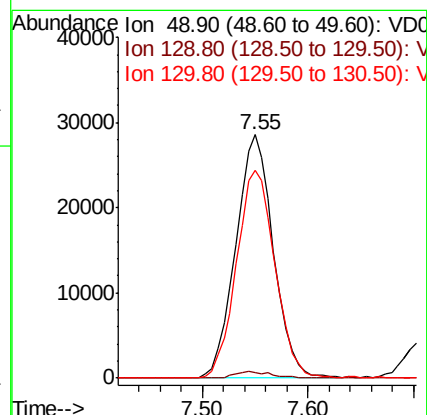
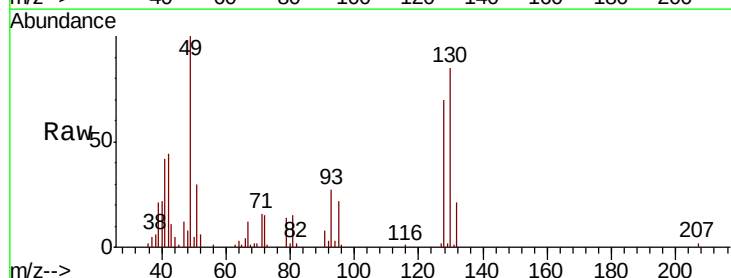
Tgt Ion: 49 Resp: 70359

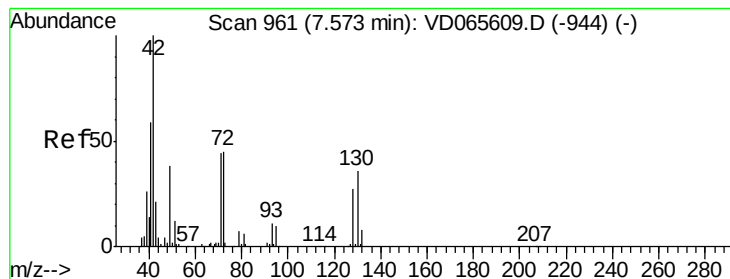
Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.8

130 87.2 69.4 104.2





#29

Tetrahydrofuran

Concen: 97.384 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

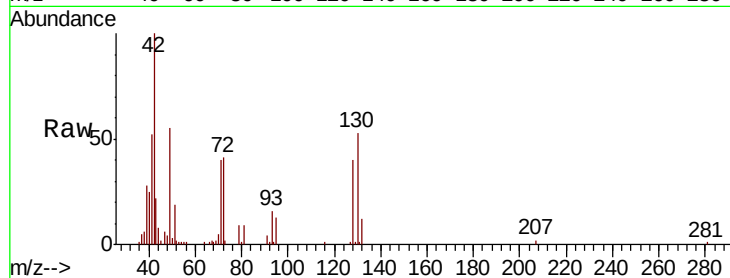
Tot Ion: 42 Resp: 69809

Ion Ratio Lower Upper

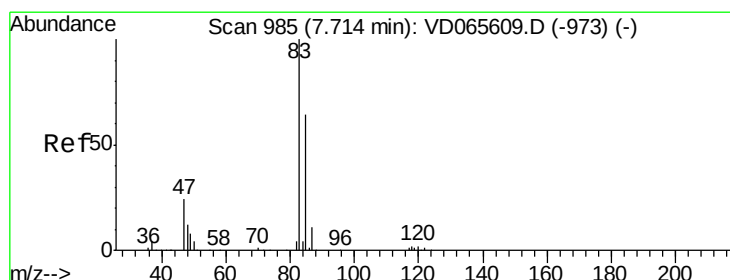
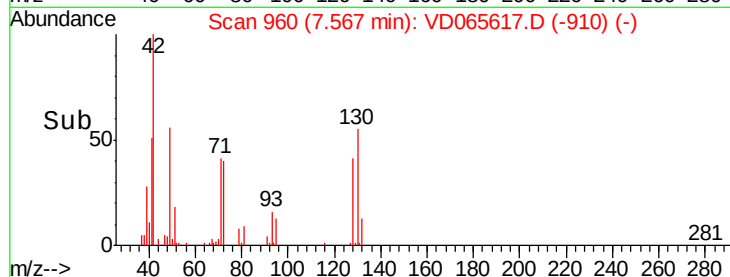
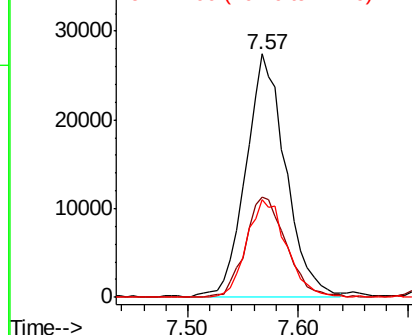
42 100

72 42.2 35.3 52.9

71 39.8 33.1 49.7



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: 19.650 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD065617.D

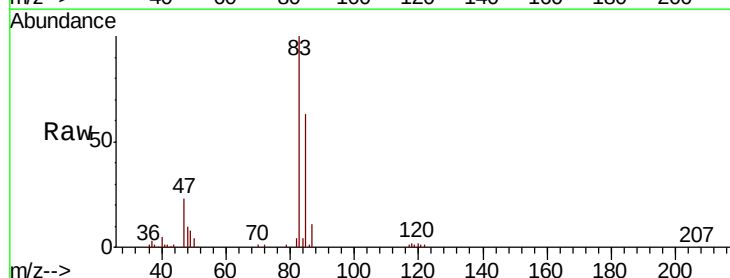
Acq: 13 Apr 2020 15:20

Tgt Ion: 83 Resp: 182617

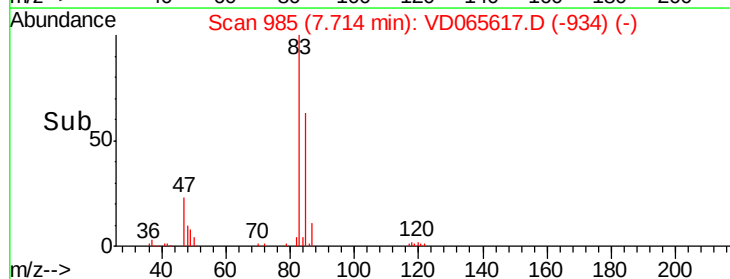
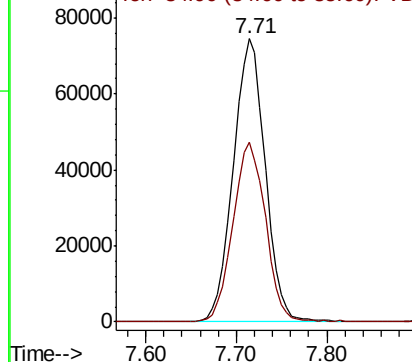
Ion Ratio Lower Upper

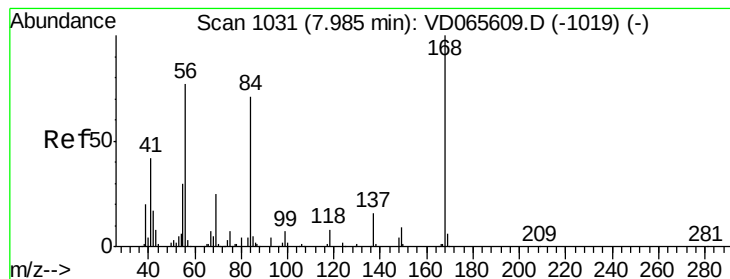
83 100

85 63.5 50.9 76.3



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





#31

Cyclohexane

Concen: 19.680 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

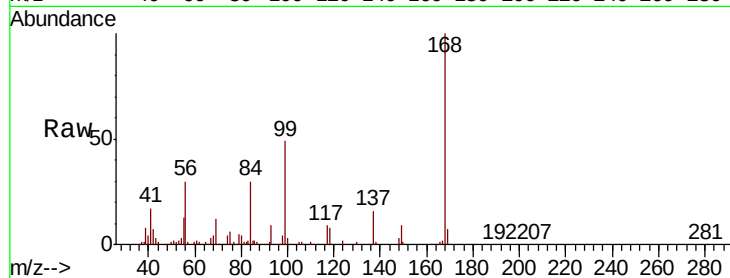
Tot Ion: 56 Resp: 162031

Ion Ratio Lower Upper

56 100

69 39.2 26.2 39.4

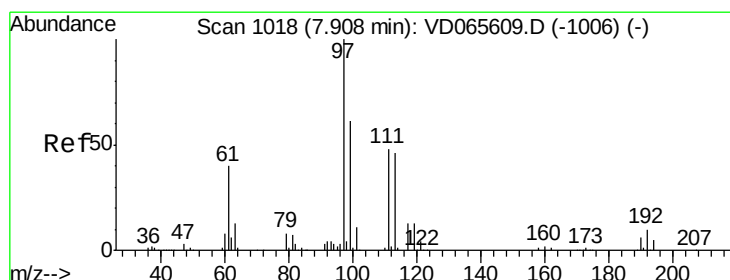
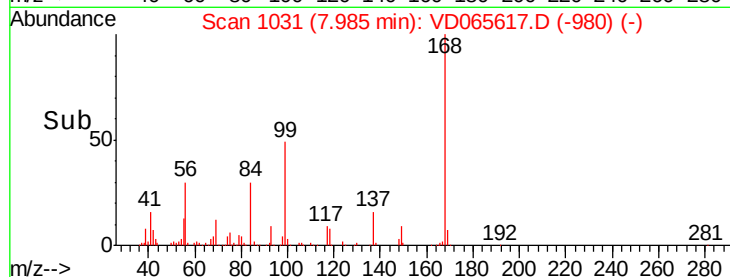
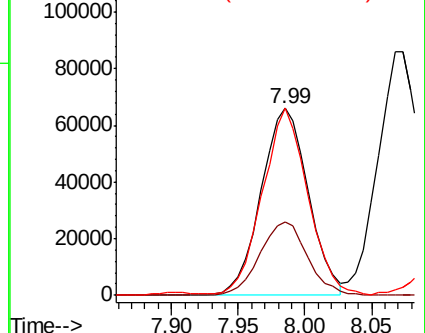
84 98.9 73.7 110.5



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: 20.146 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

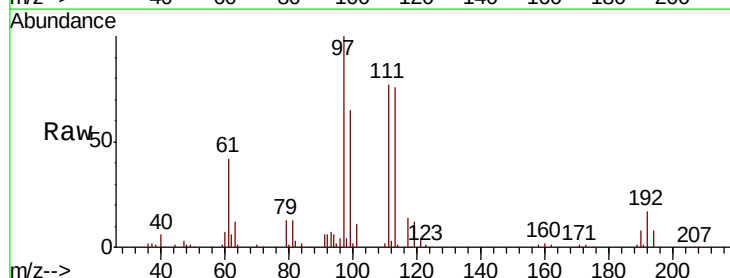
Tgt Ion: 97 Resp: 169200

Ion Ratio Lower Upper

97 100

99 65.3 50.2 75.2

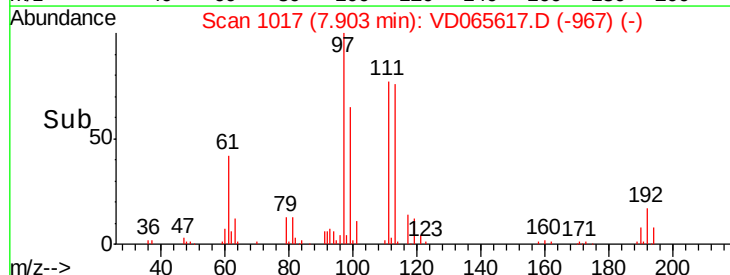
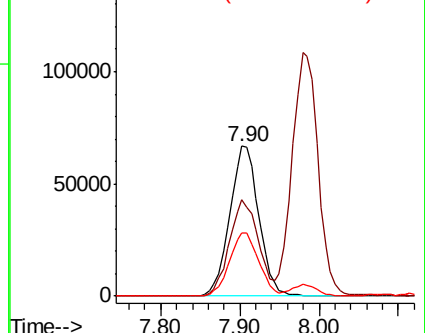
61 42.3 33.5 50.3

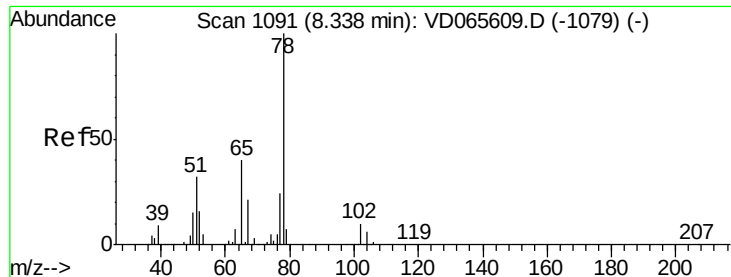


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

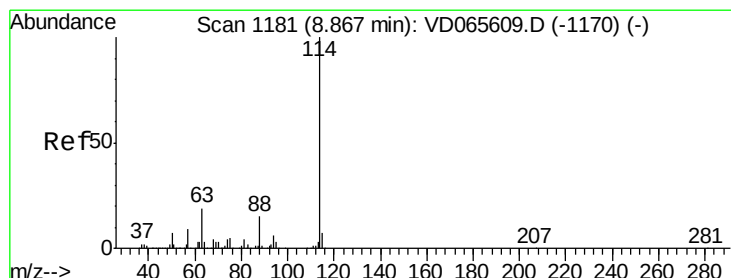
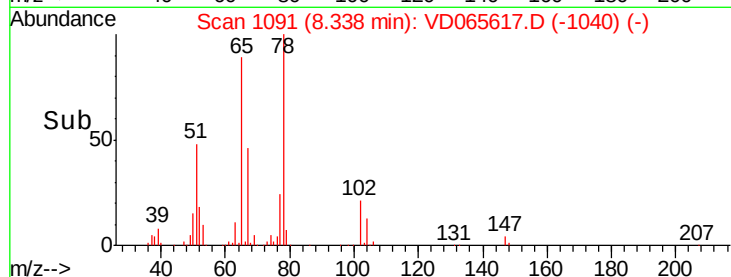
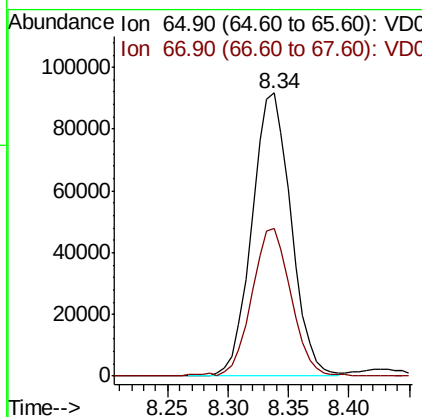
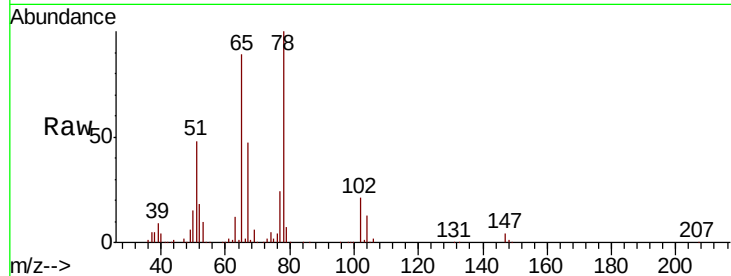




#33
 1,2-Dichloroethane-d4
 Concen: 44.555 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

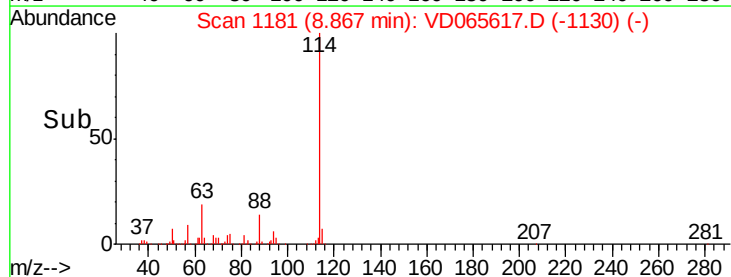
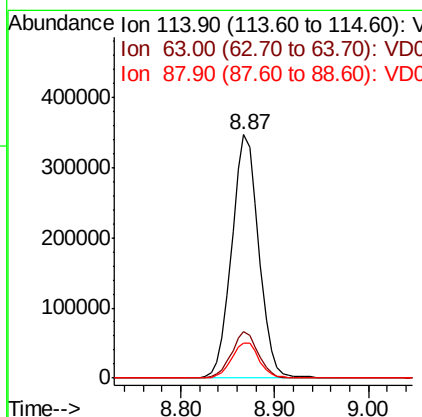
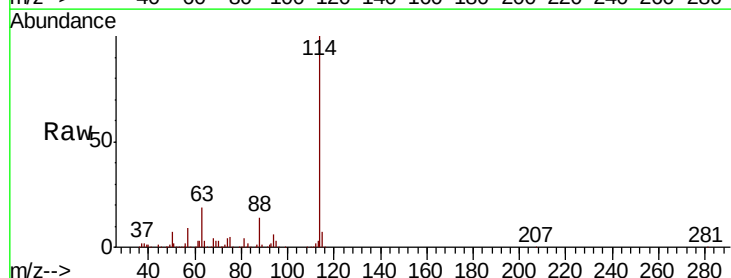
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413BSD01

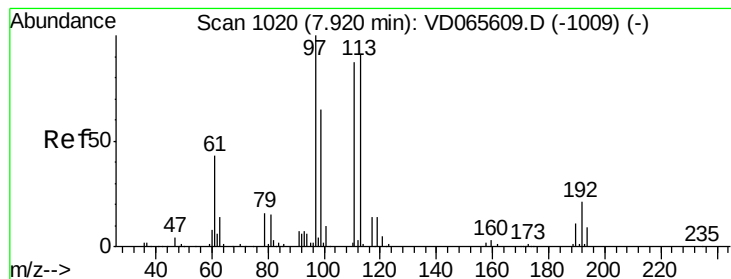
Tot Ion: 65 Resp: 205639
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion: 114 Resp: 691901
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.2
 88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 44.959 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBSD01

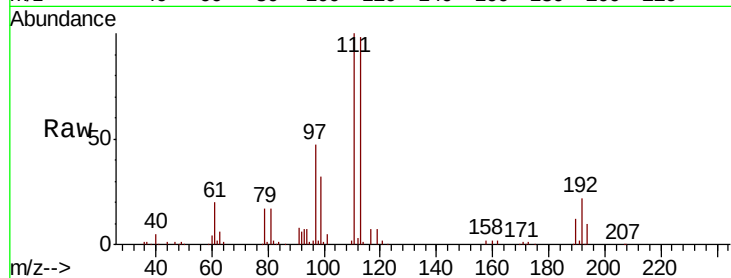
Tot Ion:113 Resp: 217323

Ion Ratio Lower Upper

113 100

111 101.3 80.6 120.8

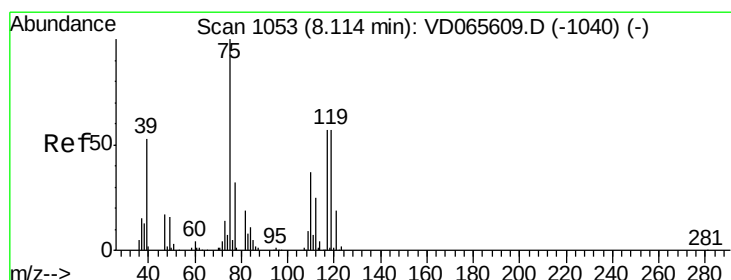
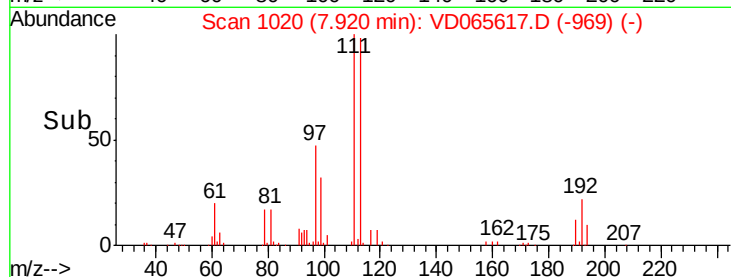
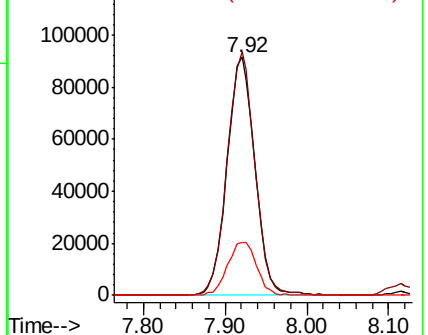
192 23.4 18.6 27.8



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: 20.201 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

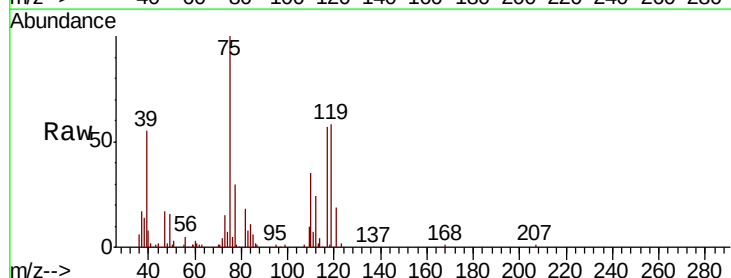
Tgt Ion: 75 Resp: 143898

Ion Ratio Lower Upper

75 100

110 36.4 18.3 54.9

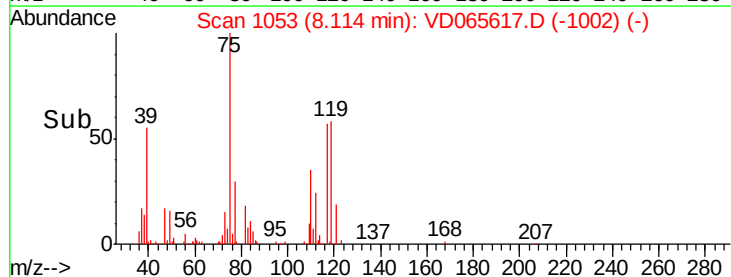
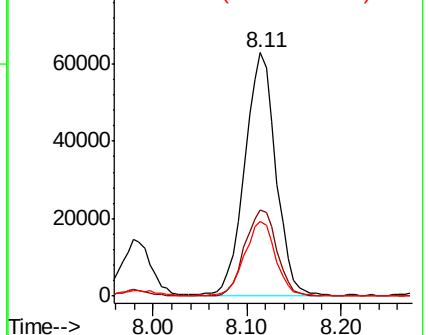
77 31.1 25.0 37.6

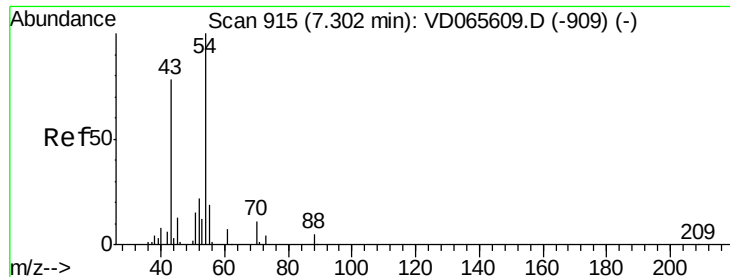


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

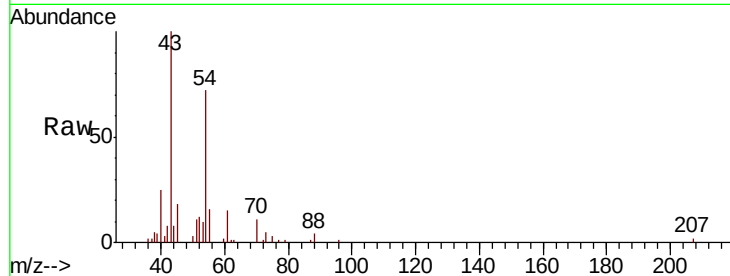




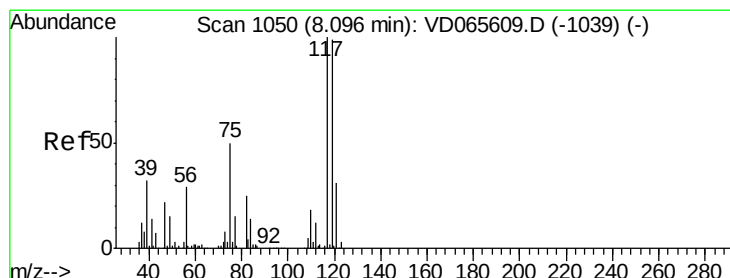
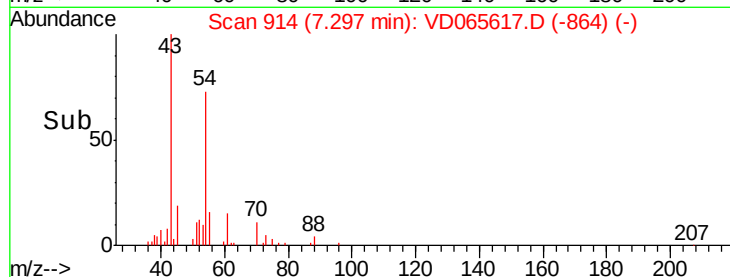
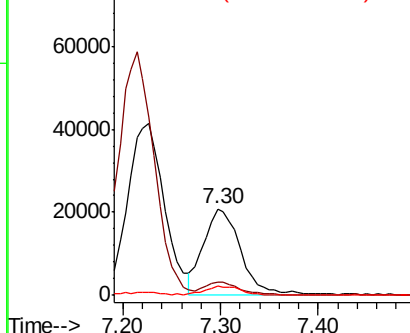
#37
Ethyl Acetate
Concen: 20.467 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

Tot Ion: 43 Resp: 54133
Ion Ratio Lower Upper
43 100
61 15.1 11.3 16.9
70 10.1 8.6 13.0

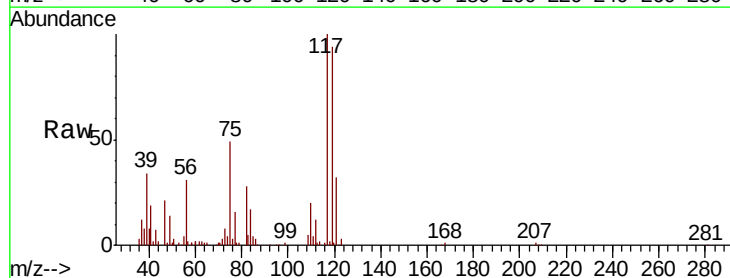


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

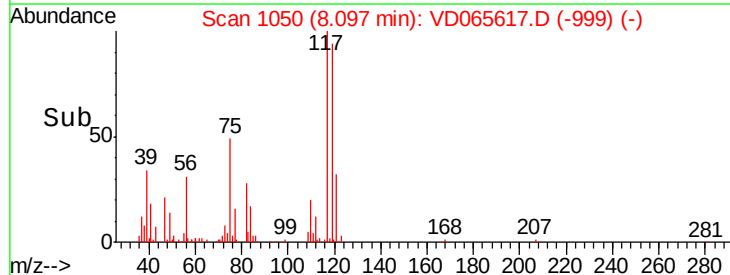
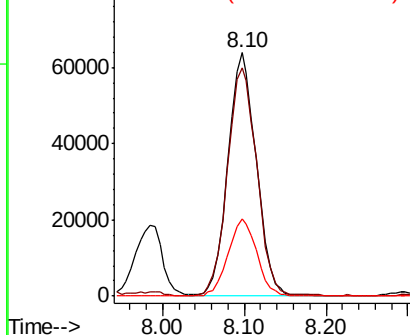


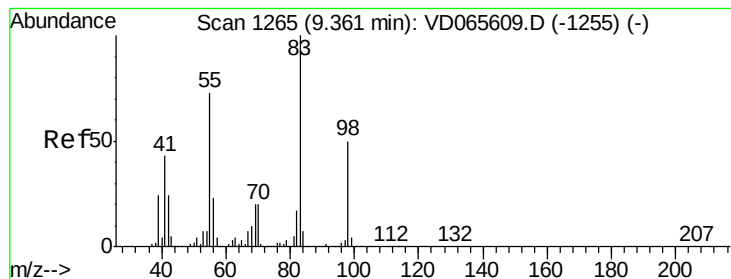
#38
Carbon Tetrachloride
Concen: 20.012 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion: 117 Resp: 154791
Ion Ratio Lower Upper
117 100
119 94.0 78.9 118.3
121 31.6 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methylvlcyclohexane

Concen: 20.211 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

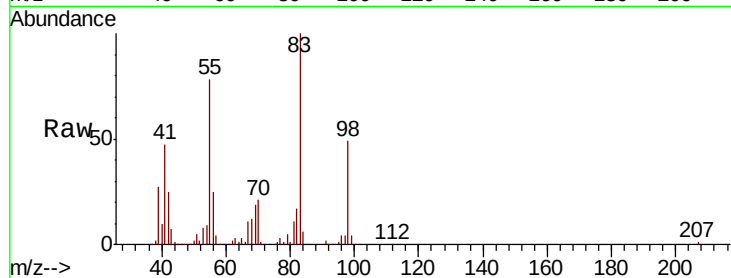
Tot Ion: 83 Resp: 162974

Ion Ratio Lower Upper

83 100

55 77.7 58.7 88.1

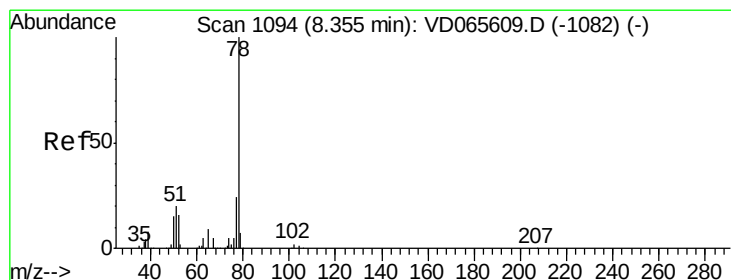
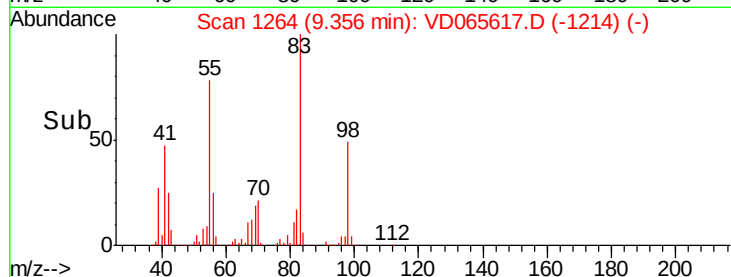
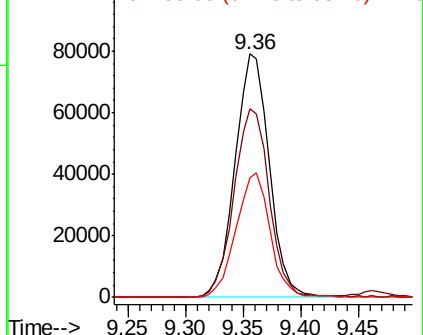
98 49.1 40.2 60.4



Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC



#40

Benzene

Concen: 19.998 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD065617.D

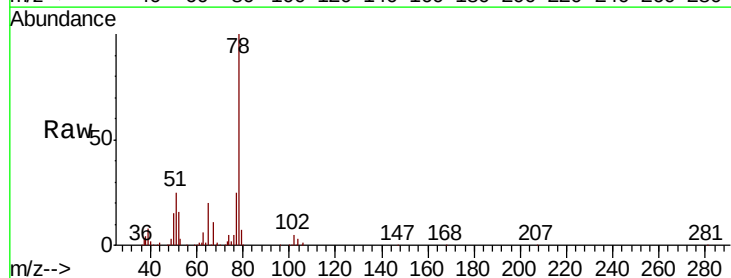
Acq: 13 Apr 2020 15:20

Tgt Ion: 78 Resp: 406996

Ion Ratio Lower Upper

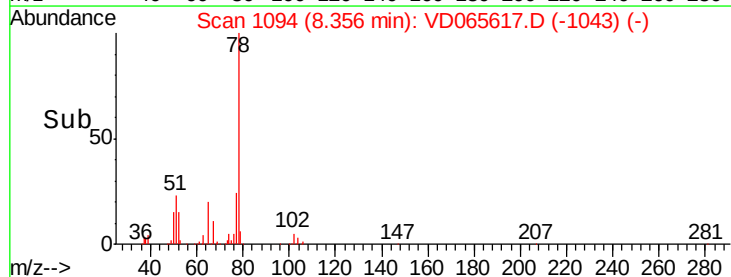
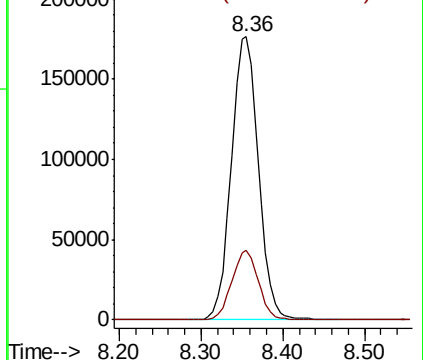
78 100

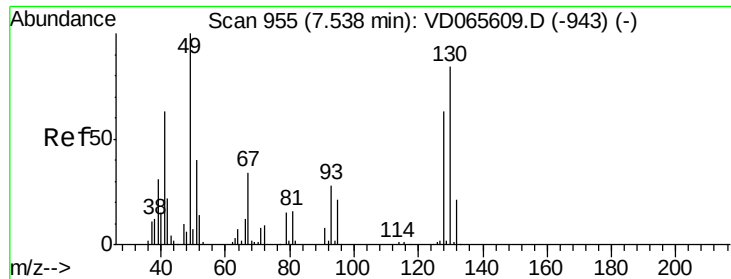
77 24.6 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 16.400 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

Tot Ion: 41 Resp: 24543

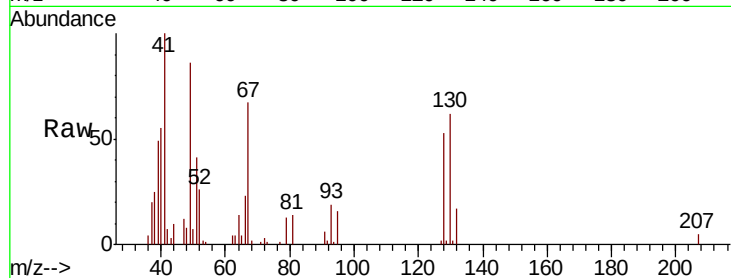
Ion Ratio Lower Upper

41 100

39 74.7 0.0 0.0#

67 82.6 0.0 0.0#

52 37.2 0.0 0.0#

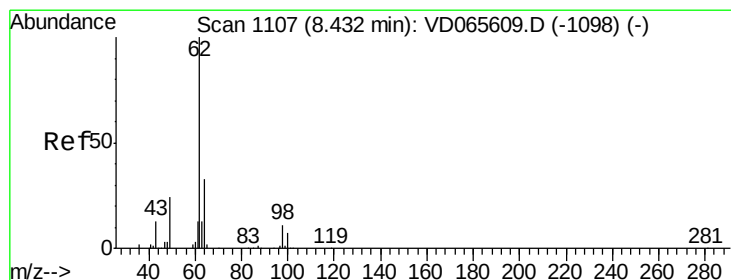
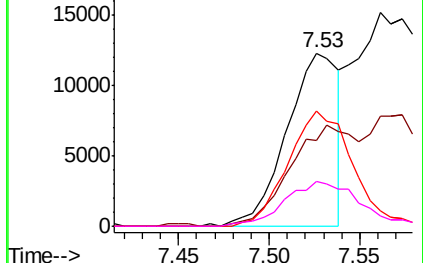
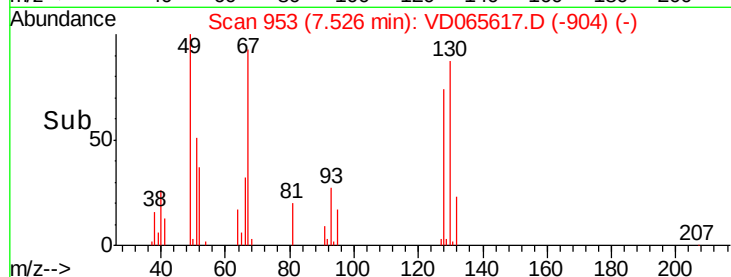


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 19.399 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065617.D

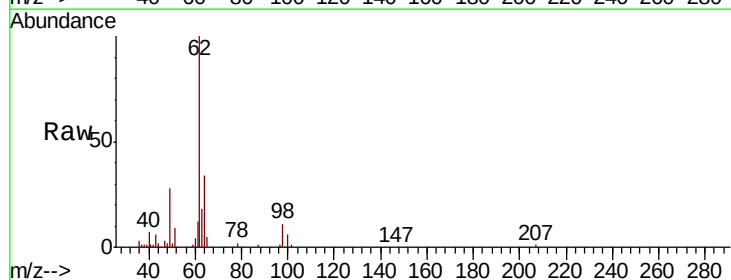
Acq: 13 Apr 2020 15:20

Tgt Ion: 62 Resp: 110281

Ion Ratio Lower Upper

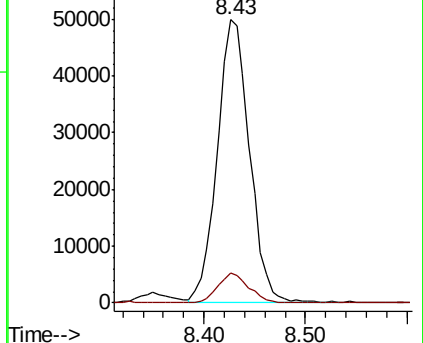
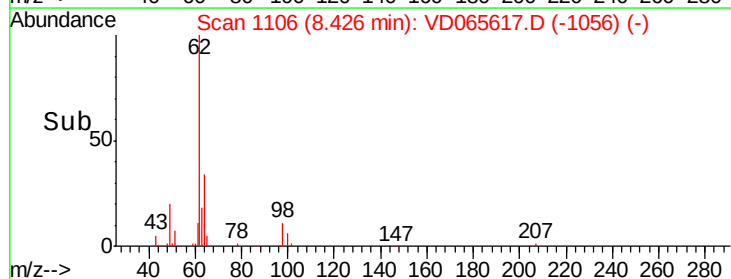
62 100

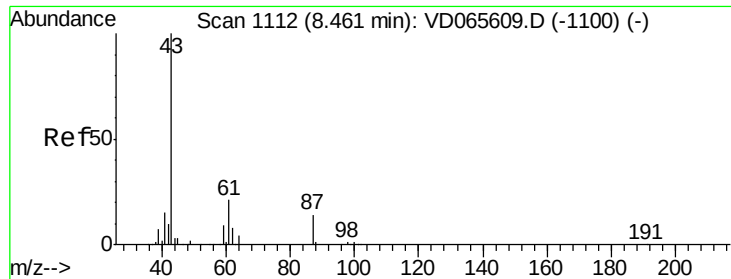
98 10.2 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

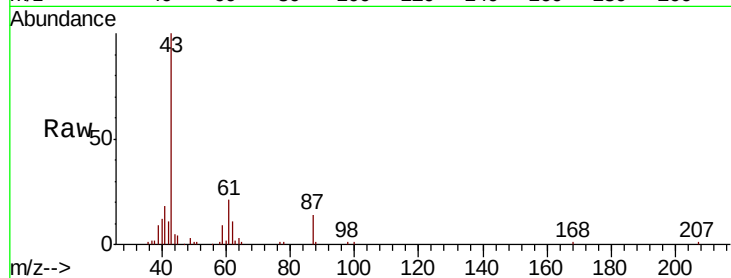




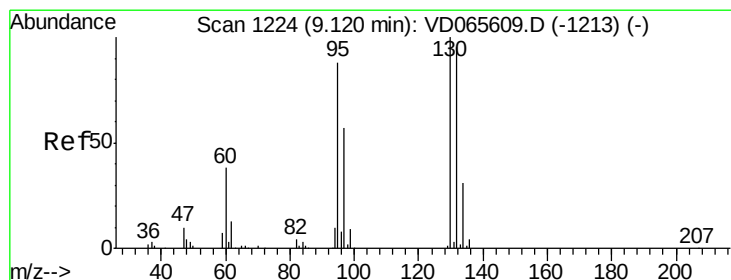
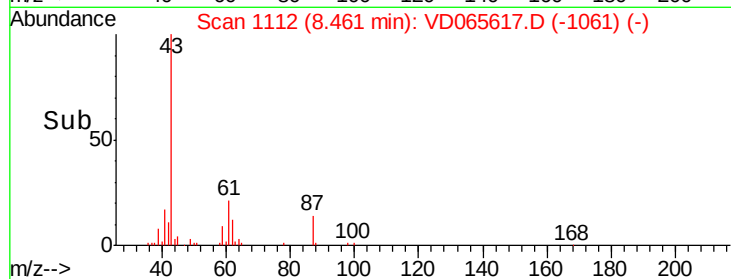
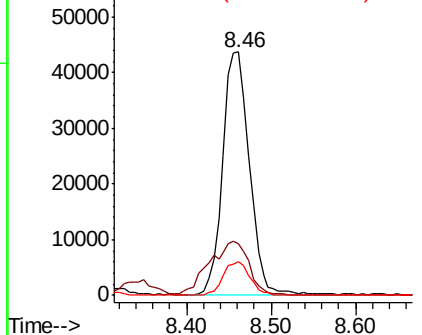
#43
Isopropyl Acetate
Concen: 19.870 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

Tot Ion	43	Resp	95883
Ion Ratio	Lower	Upper	
43	100		
61	32.9	25.9	38.9
87	13.6	10.9	16.3

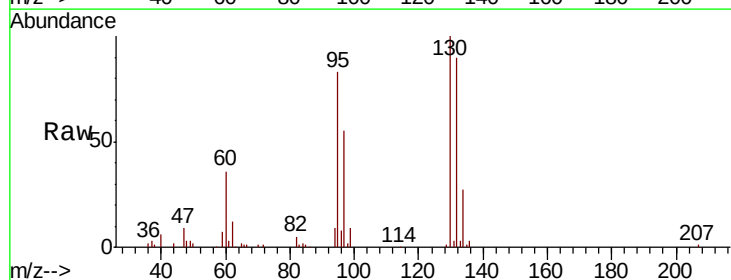


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

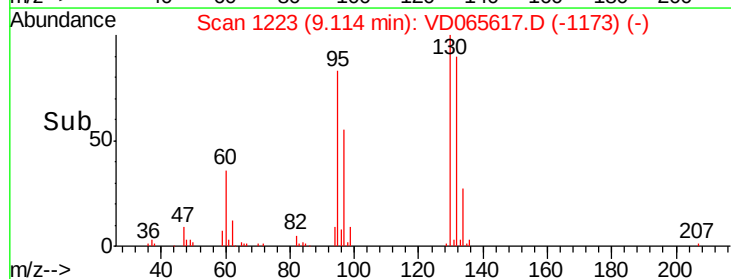
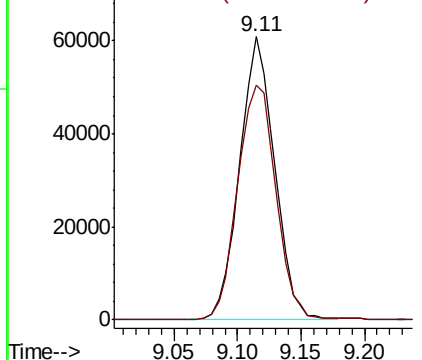


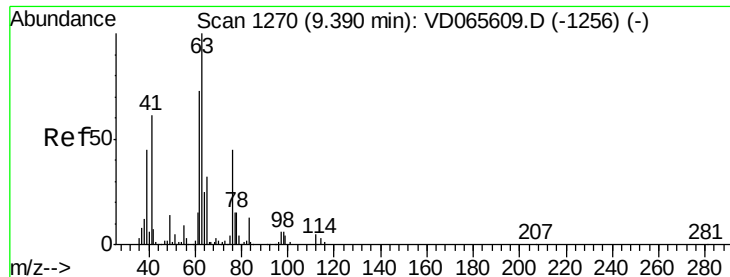
#44
Trichloroethene
Concen: 20.022 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion	130	Resp	117119
Ion Ratio	Lower	Upper	
130	100		
95	82.8	0.0	176.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.809 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

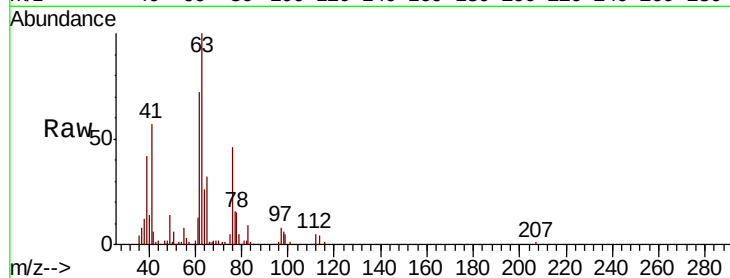
VD0413BSD01

Tot Ion: 63 Resp: 98167

Ion Ratio Lower Upper

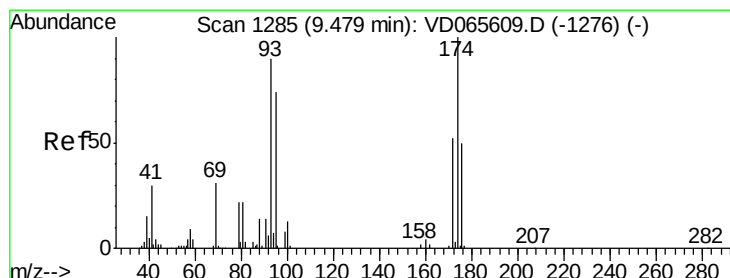
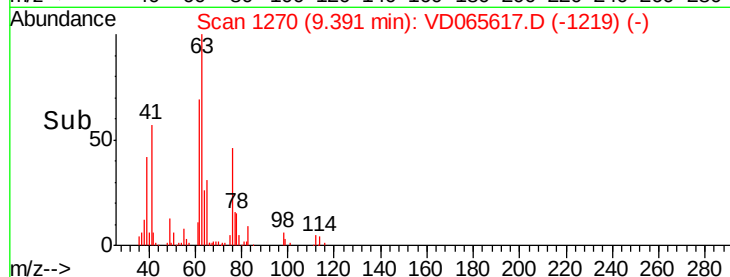
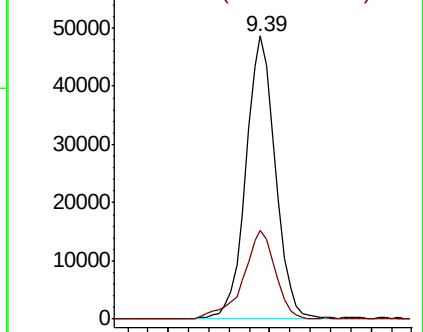
63 100

65 31.6 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.592 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

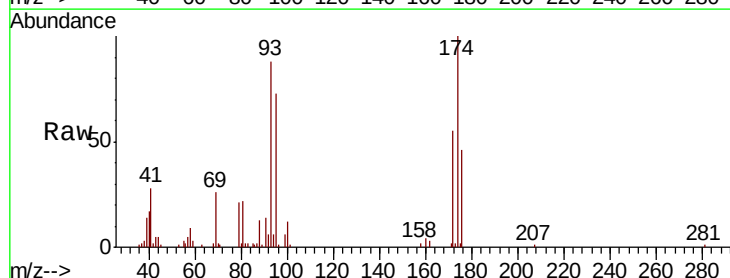
Tgt Ion: 93 Resp: 52190

Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

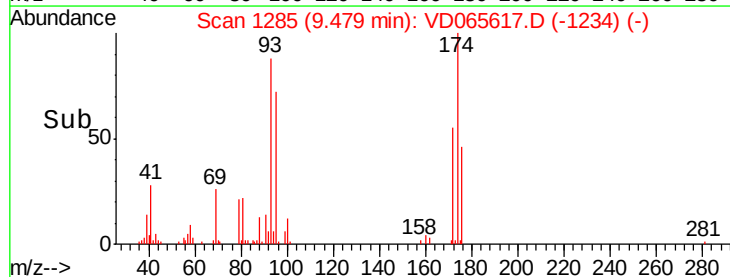
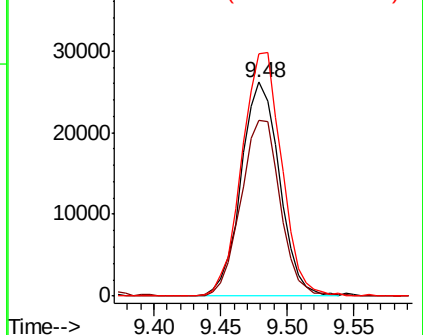
174 117.7 91.5 137.3

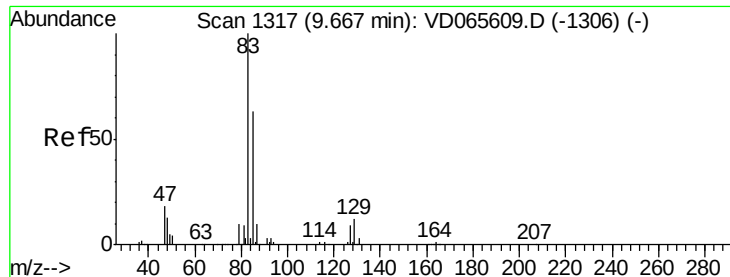


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.731 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

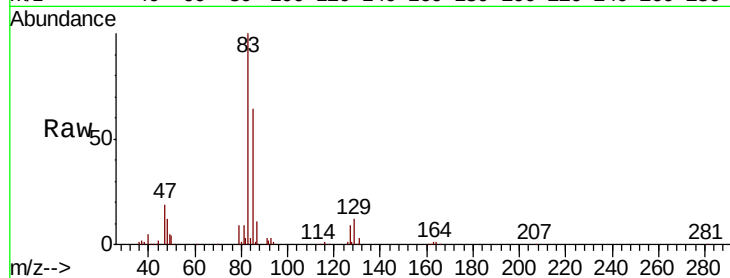
Tot Ion: 83 Resp: 137832

Ion Ratio Lower Upper

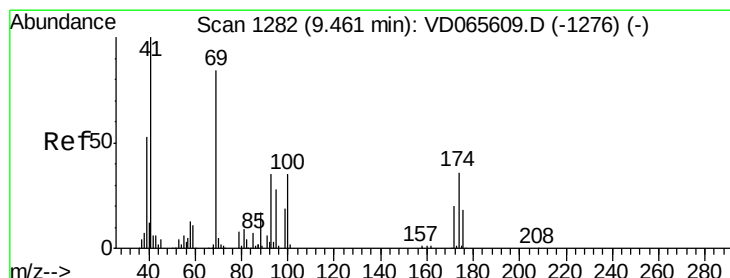
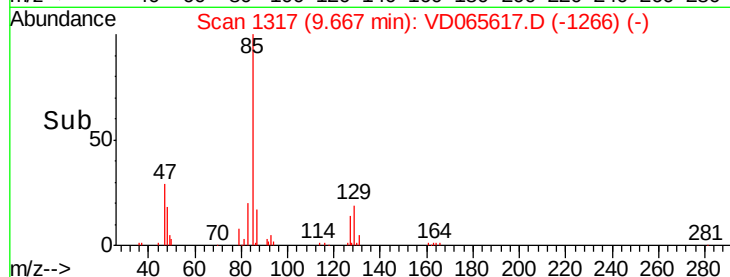
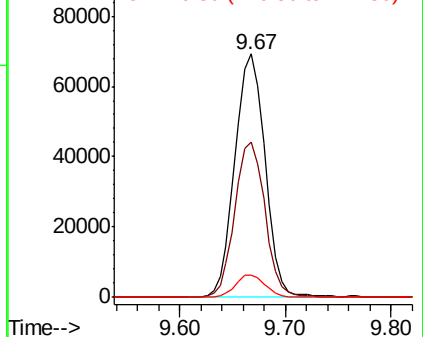
83 100

85 63.8 50.7 76.1

127 9.0 7.6 11.4



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: 19.665 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

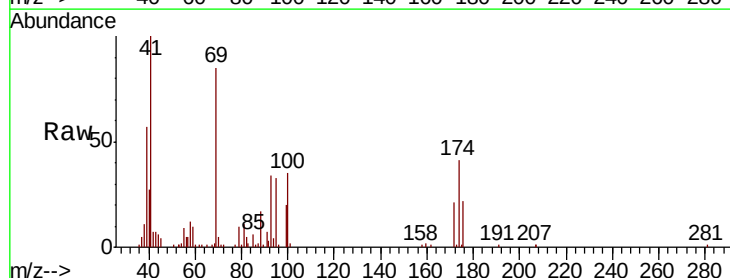
Tgt Ion: 41 Resp: 44011

Ion Ratio Lower Upper

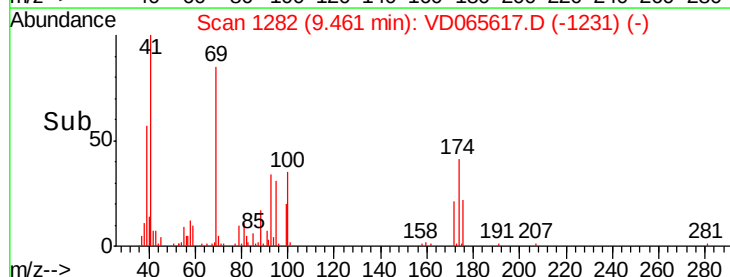
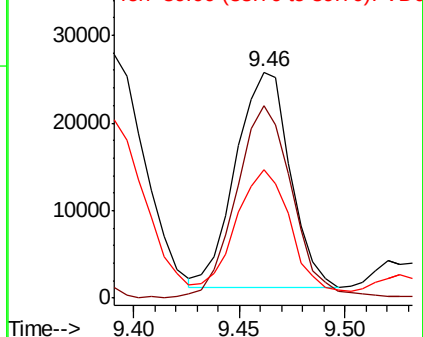
41 100

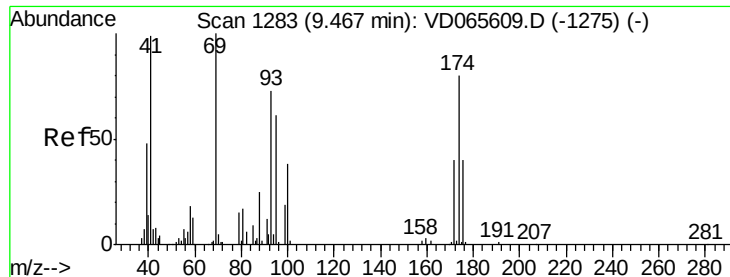
69 92.8 72.4 108.6

39 55.6 43.5 65.3



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: 393.809 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413BSD01

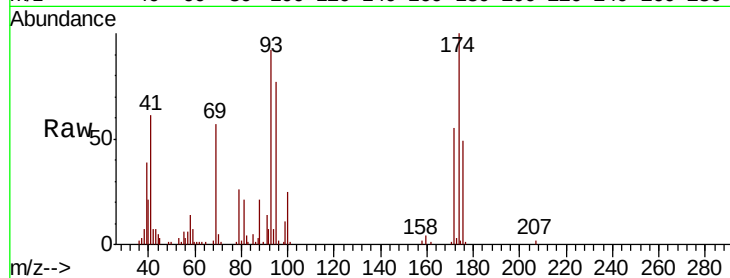
Tot Ion: 88 Resp: 11110

Ion Ratio Lower Upper

88 100

43 40.0 29.8 44.8

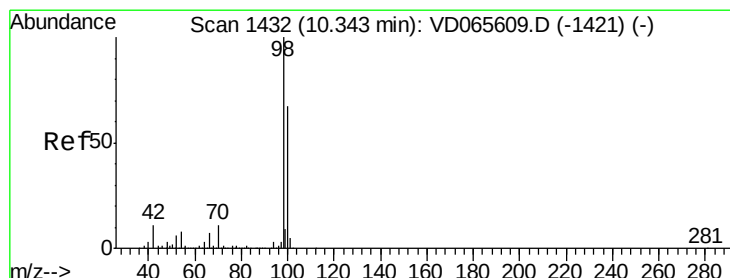
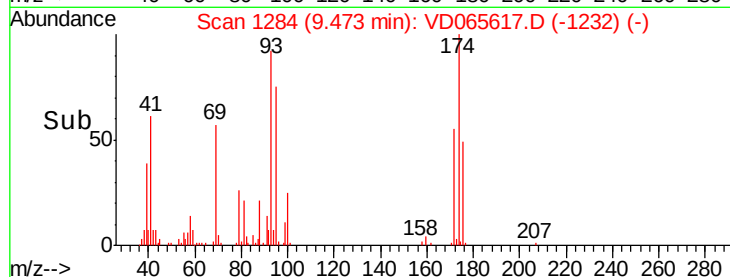
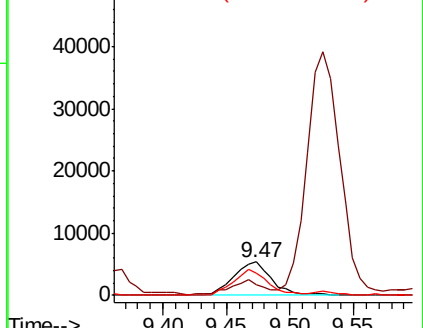
58 71.0 57.7 86.5



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: 46.111 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065617.D

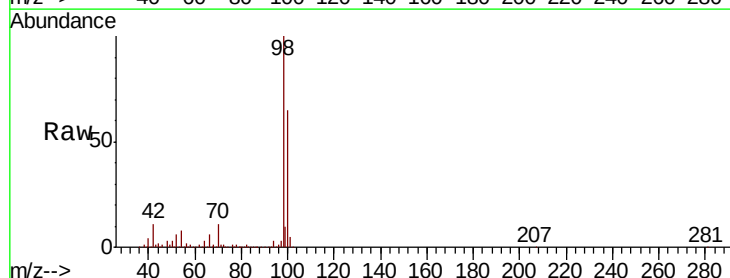
Acq: 13 Apr 2020 15:20

Tgt Ion: 98 Resp: 813944

Ion Ratio Lower Upper

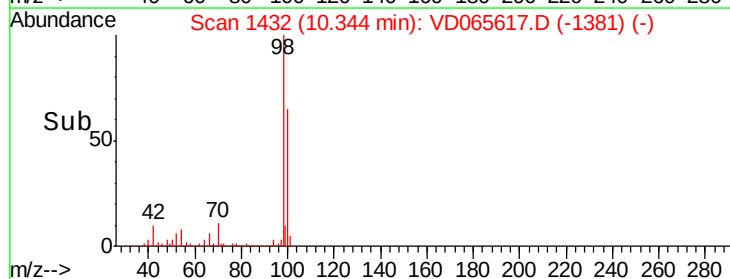
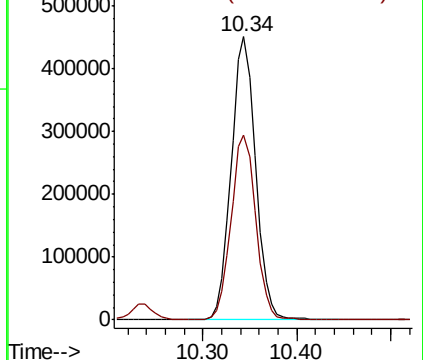
98 100

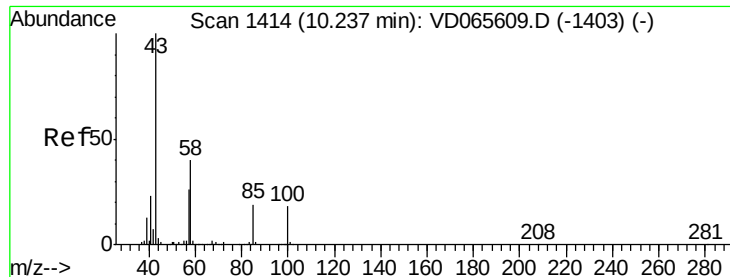
100 65.8 52.6 79.0



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: 102.396 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

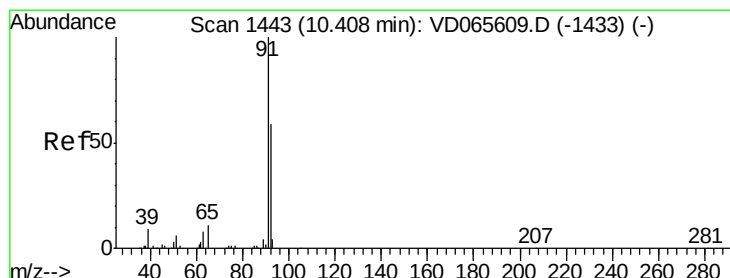
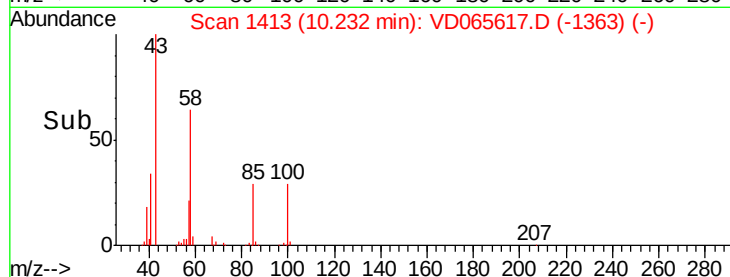
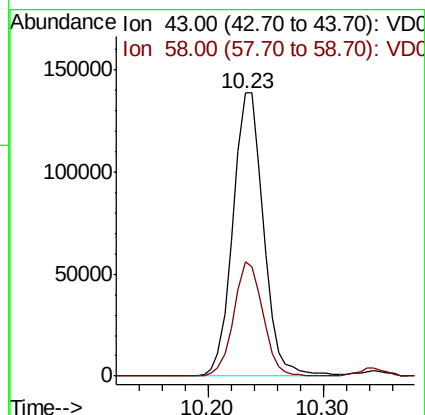
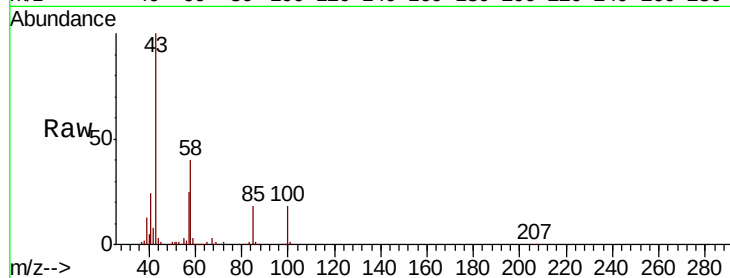
VD0413SBS01

Tot Ion: 43 Resp: 254637

Ion Ratio Lower Upper

43 100

58 38.6 31.4 47.2



#52

Toluene

Concen: 20.396 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065617.D

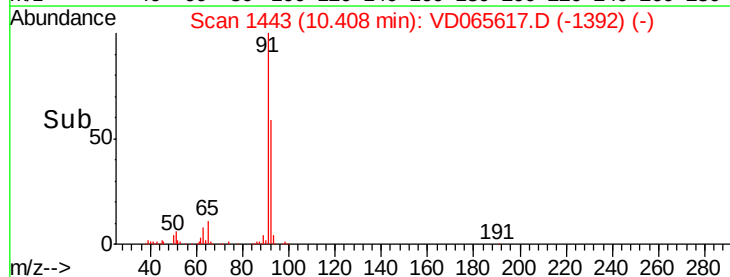
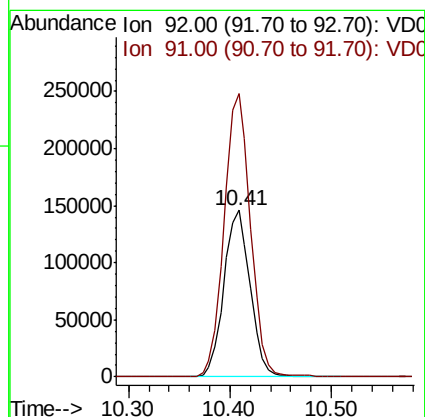
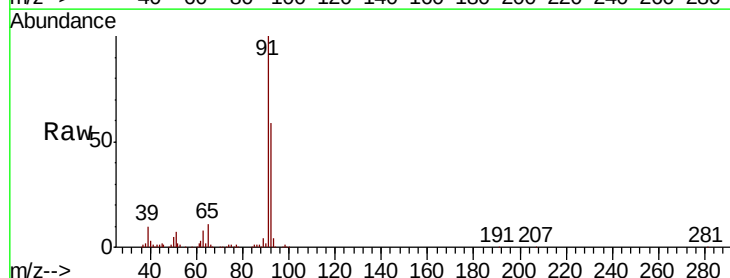
Acq: 13 Apr 2020 15:20

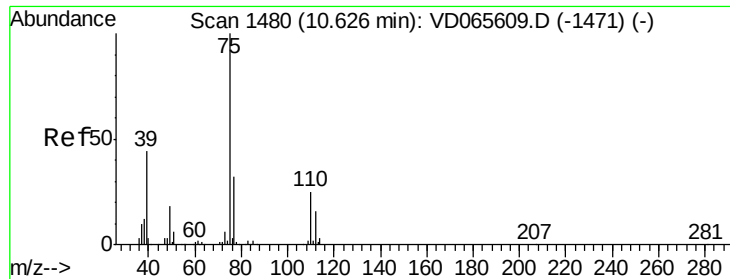
Tgt Ion: 92 Resp: 262464

Ion Ratio Lower Upper

92 100

91 170.6 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 19.874 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

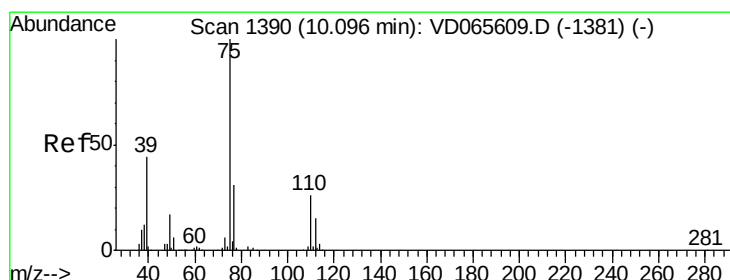
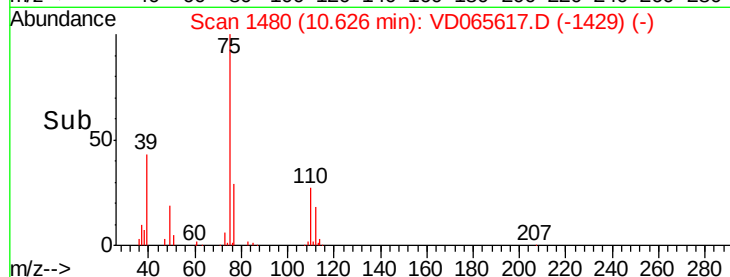
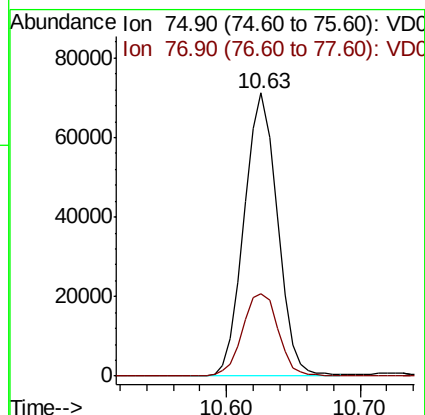
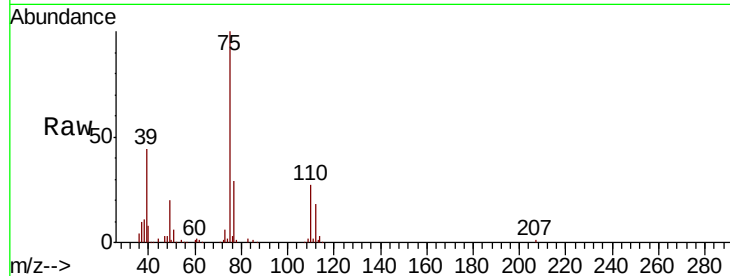
VD0413SBSD01

Tot Ion: 75 Resp: 123223

Ion Ratio Lower Upper

75 100

77 29.2 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 19.962 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

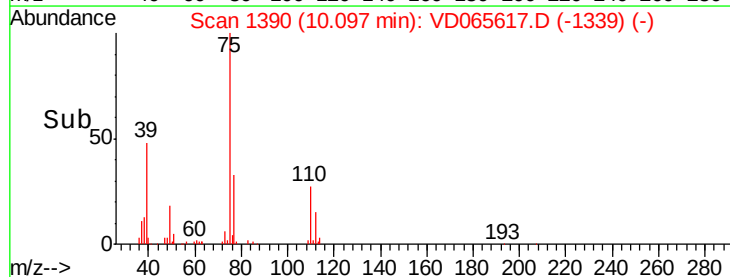
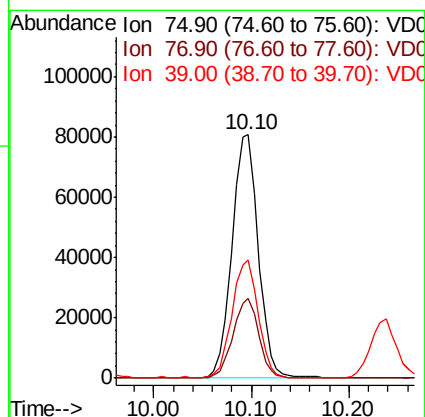
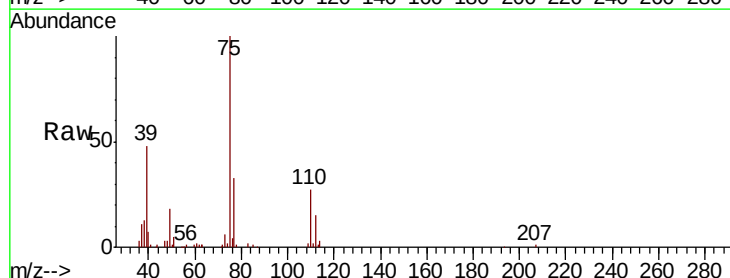
Tgt Ion: 75 Resp: 151541

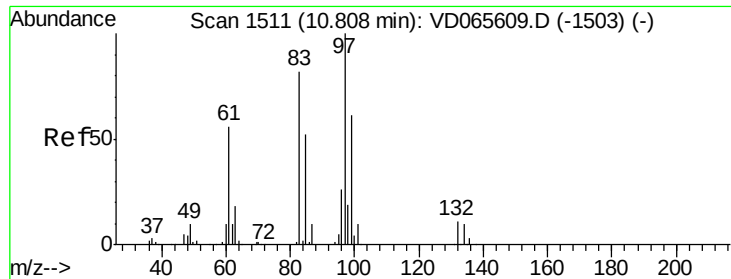
Ion Ratio Lower Upper

75 100

77 32.8 24.5 36.7

39 48.1 35.5 53.3

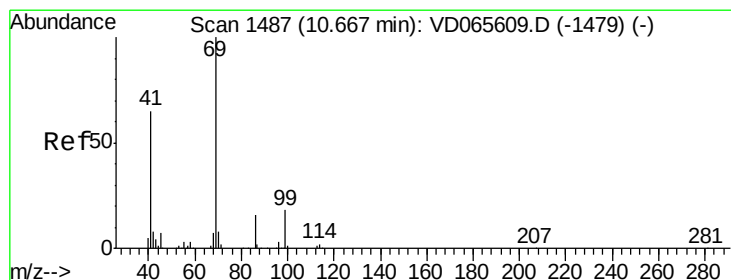
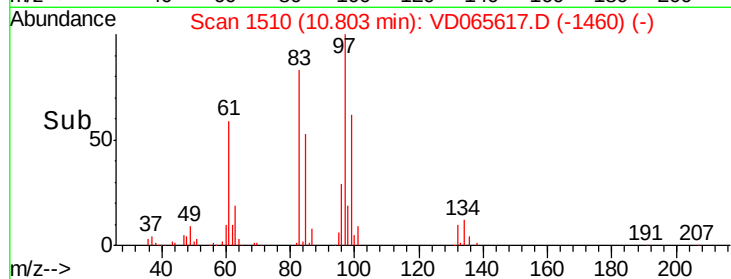
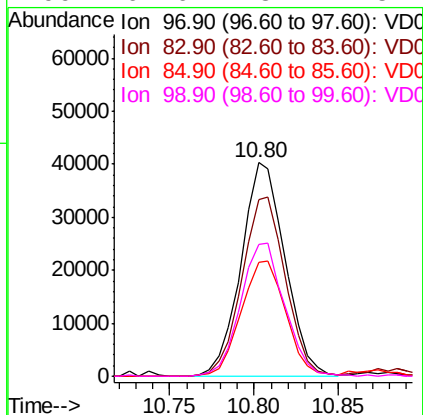
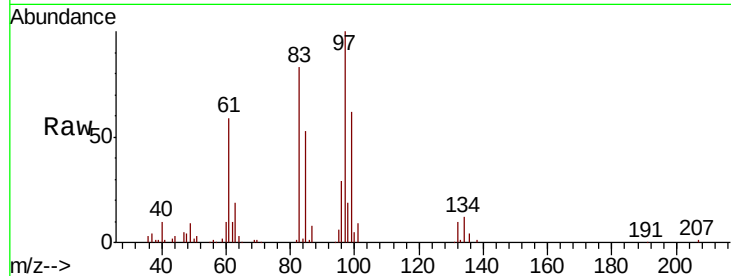




#55
 1,1,2-Trichloroethane
 Concen: 19.536 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

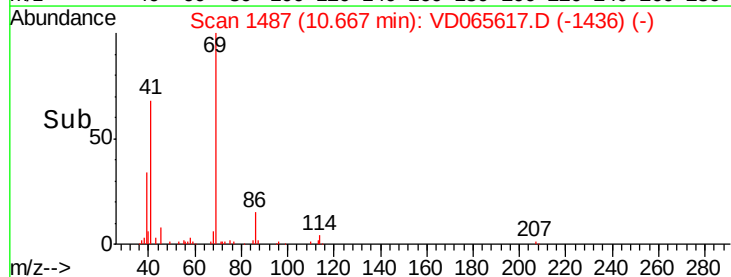
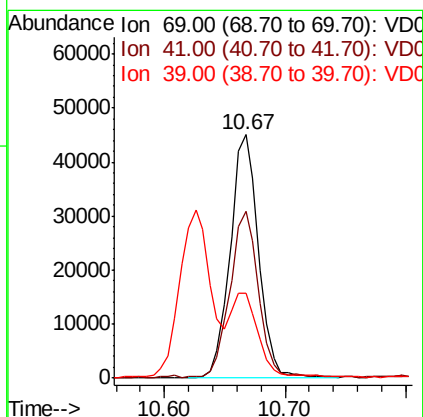
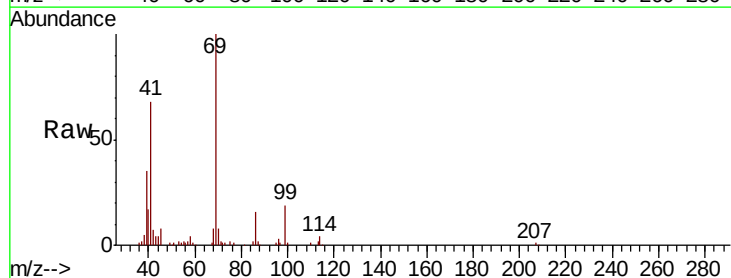
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBSD01

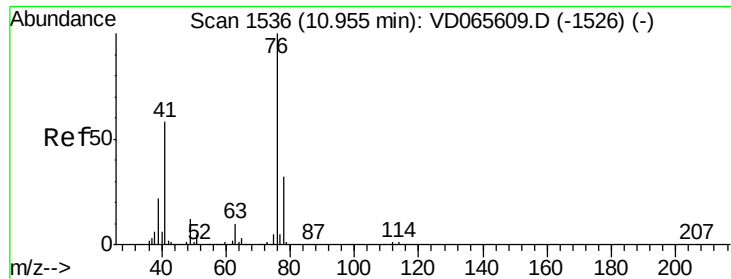
Tot Ion:	97	Resp:	73029
Ion	Ratio	Lower	Upper
97	100		
83	82.5	65.7	98.5
85	53.2	41.6	62.4
99	61.6	48.7	73.1



#56
 Ethyl methacrylate
 Concen: 18.721 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion:	69	Resp:	73559
Ion	Ratio	Lower	Upper
69	100		
41	70.6	54.4	81.6
39	31.9	26.5	39.7

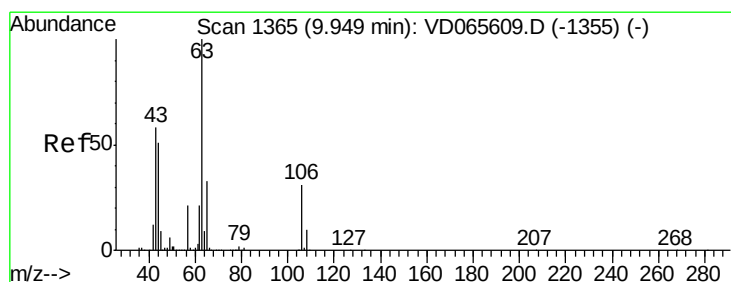
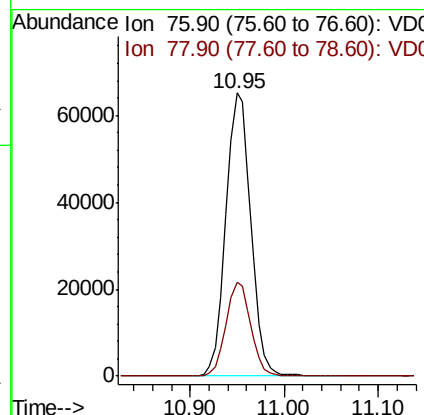
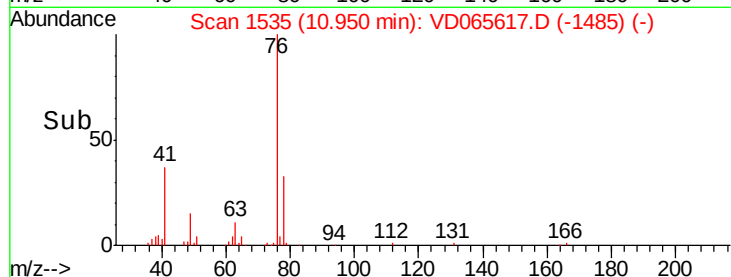
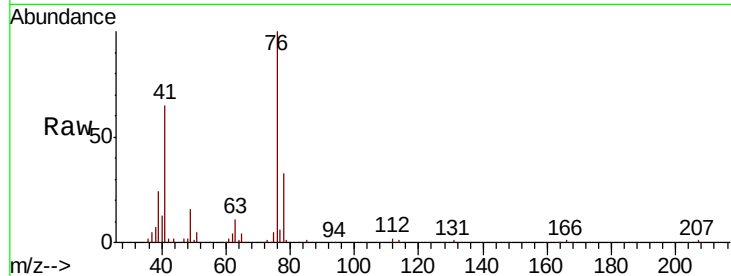




#57
 1,3-Dichloropropane
 Concen: 19.511 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

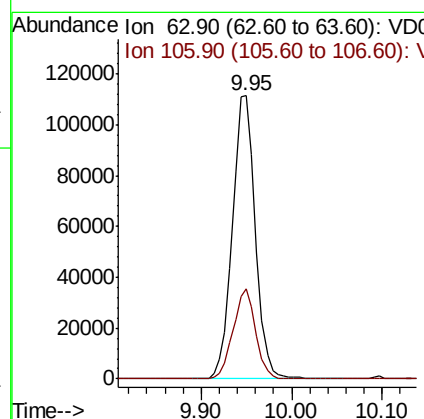
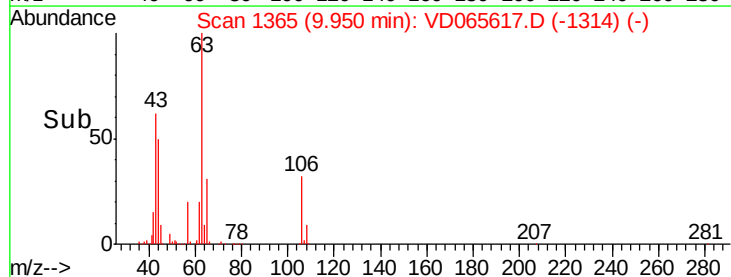
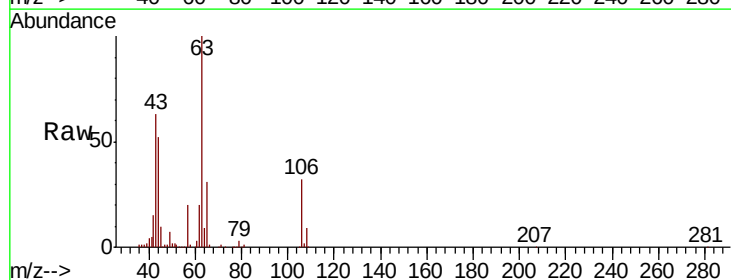
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

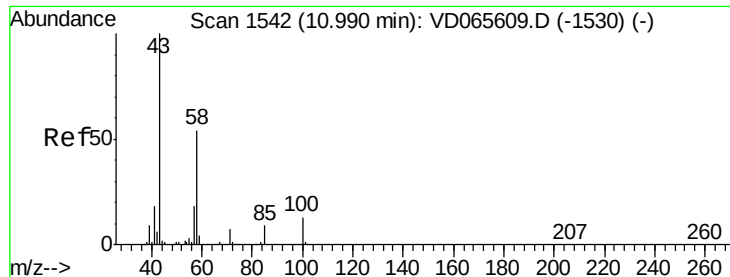
Tot Ion: 76 Resp: 120806
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.414 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion: 63 Resp: 196831
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.2 36.2

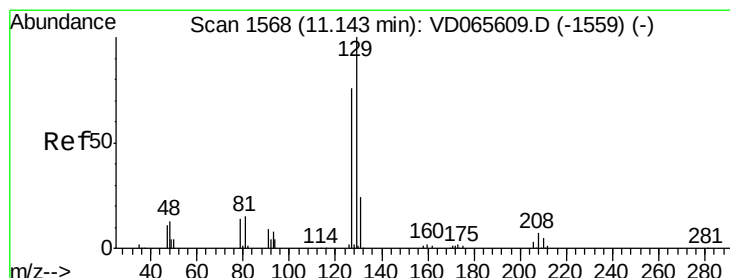
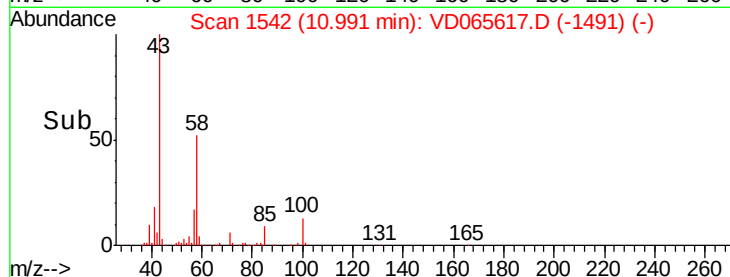
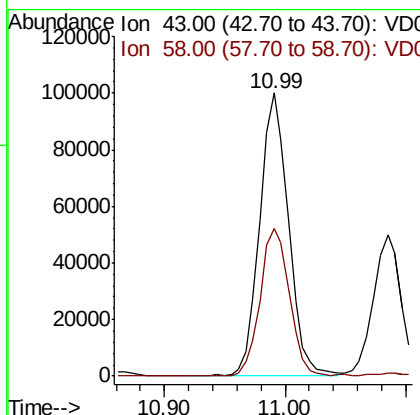
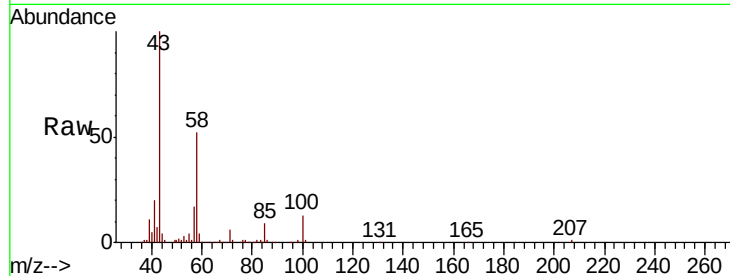




#59
2-Hexanone
Concen: 100.364 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

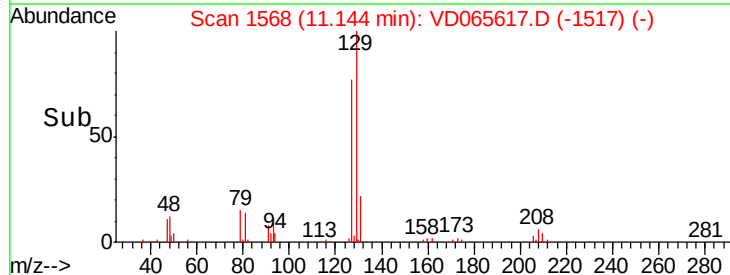
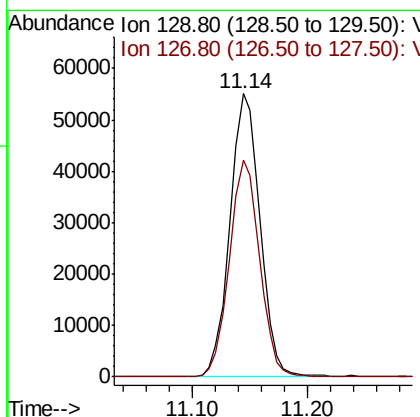
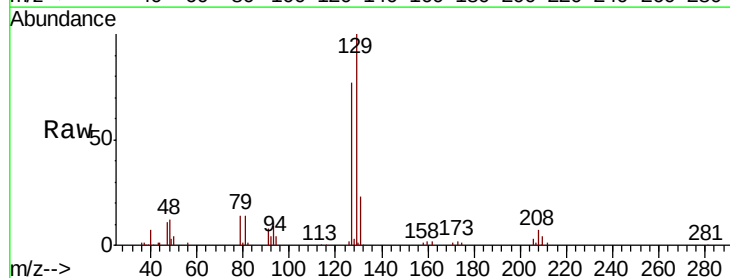
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

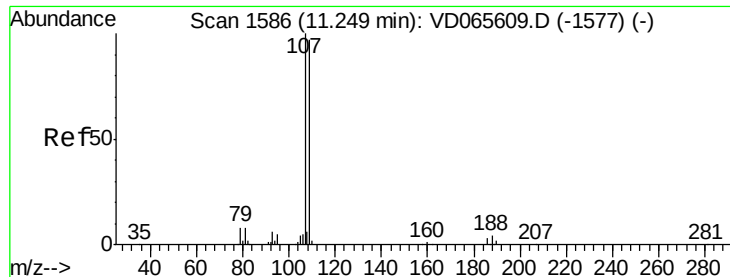
Tot Ion: 43 Resp: 165868
Ion Ratio Lower Upper
43 100
58 52.8 27.1 81.3



#60
Dibromochloromethane
Concen: 19.994 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion: 129 Resp: 99539
Ion Ratio Lower Upper
129 100
127 76.6 38.1 114.3

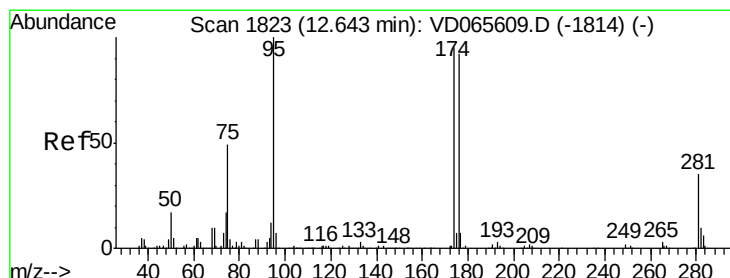
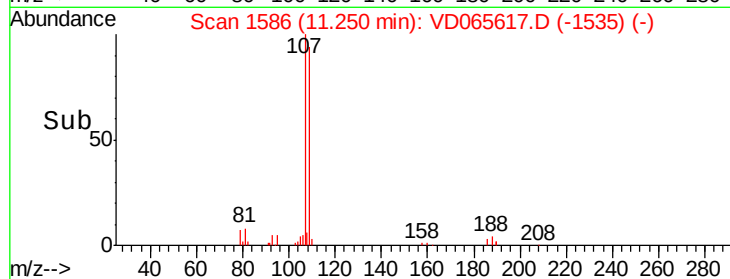
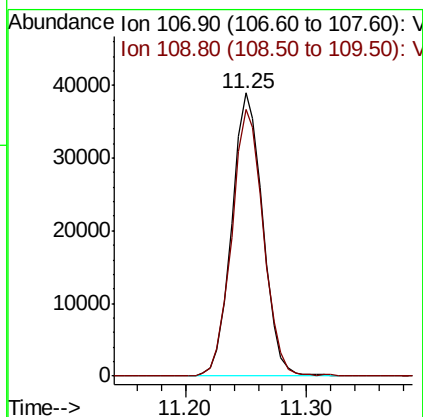
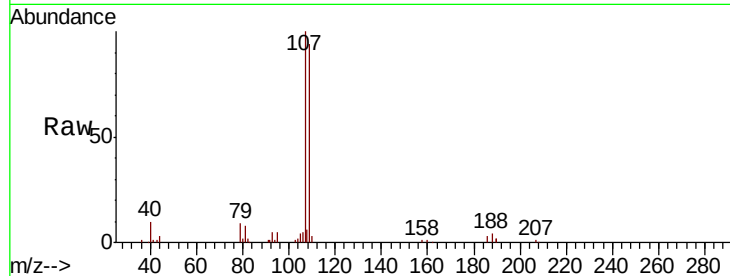




#61
 1,2-Dibromoethane
 Concen: 19.570 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

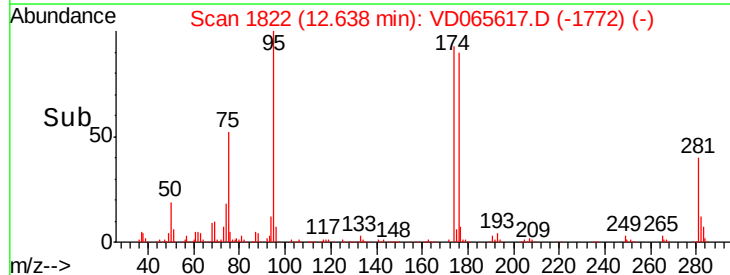
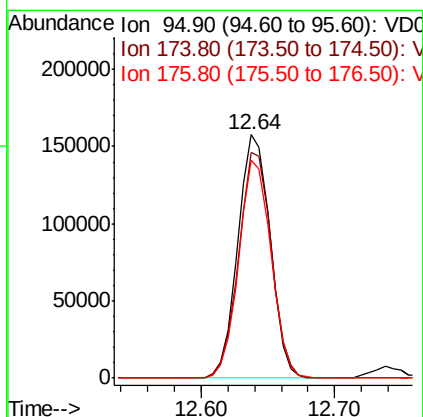
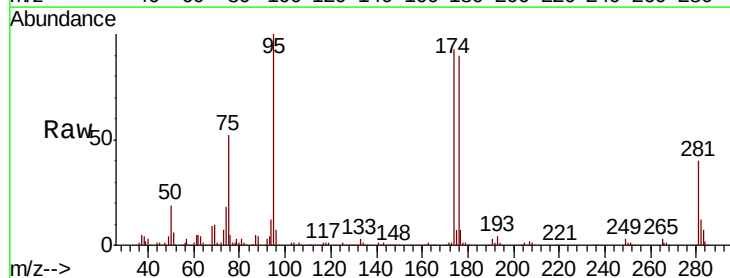
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413BSD01

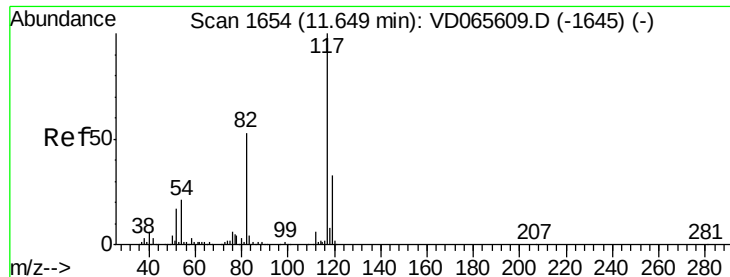
Tot Ion: 107 Resp: 69539
 Ion Ratio Lower Upper
 107 100
 109 96.0 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 46.626 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion: 95 Resp: 264478
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 182.8
 176 89.5 0.0 176.6

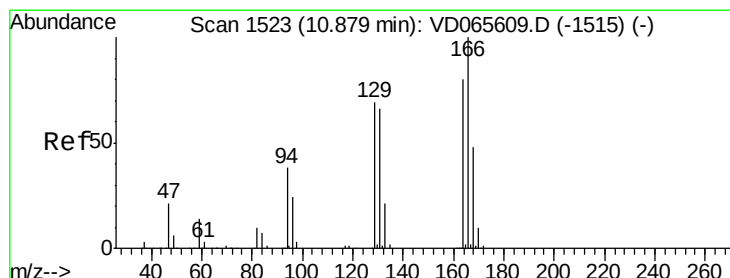
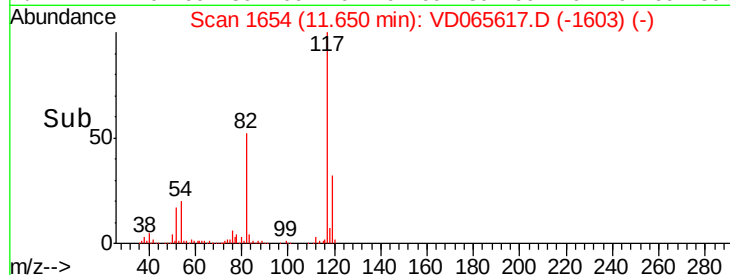
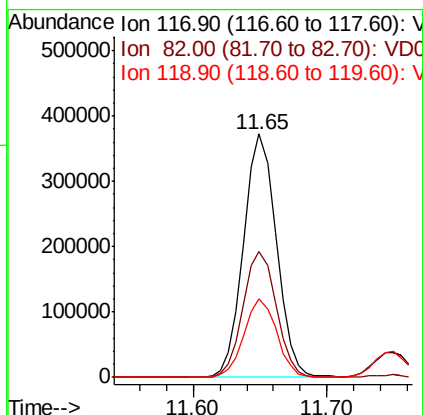
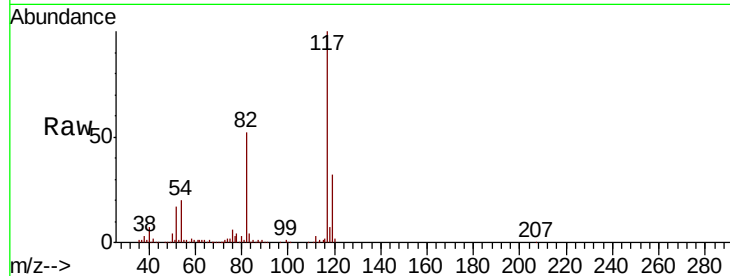




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

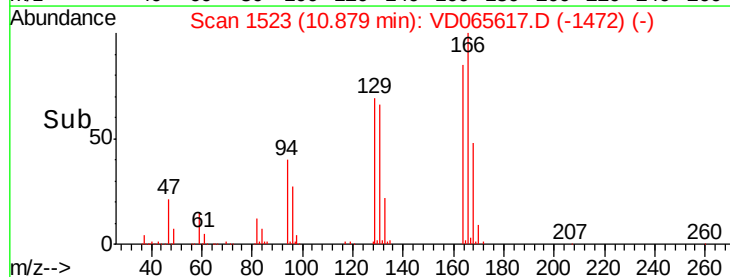
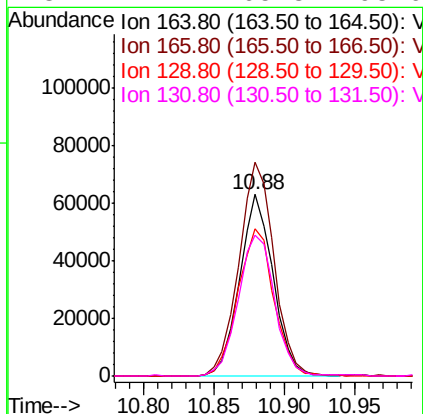
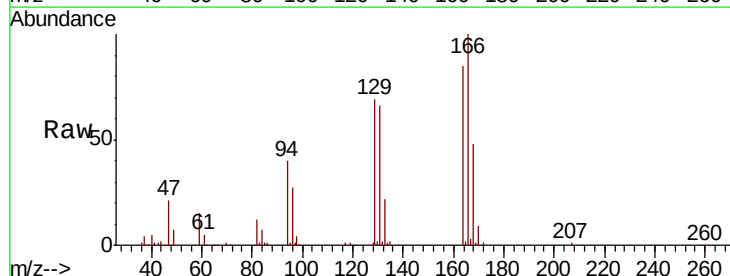
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

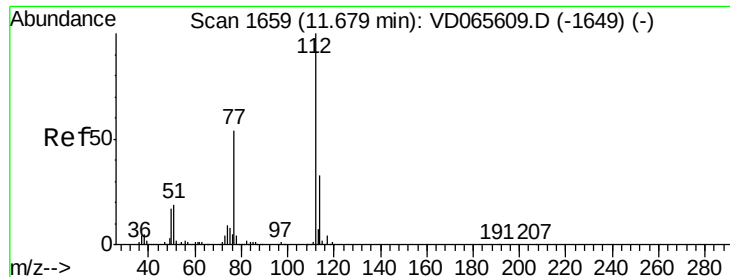
Tot Ion:117 Resp: 635423
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 32.3 26.7 40.1



#64
Tetrachloroethene
Concen: 20.620 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion:164 Resp: 104218
Ion Ratio Lower Upper
164 100
166 117.8 100.2 150.2
129 81.3 69.5 104.3
131 77.7 65.8 98.6

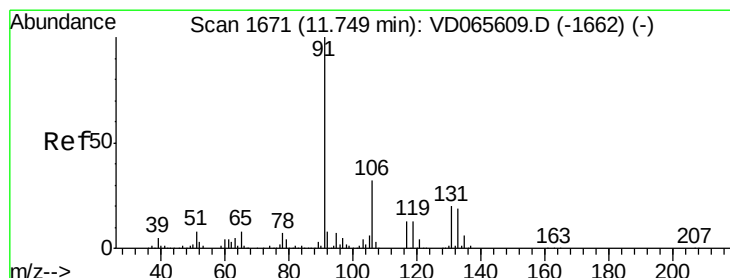
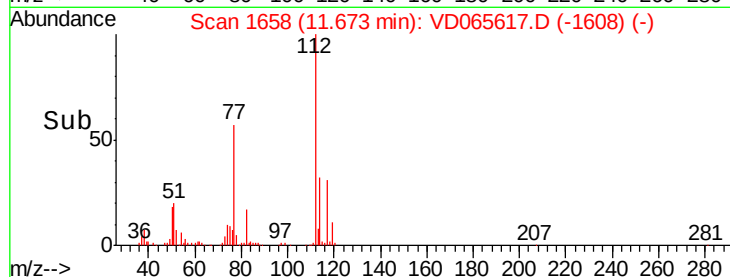
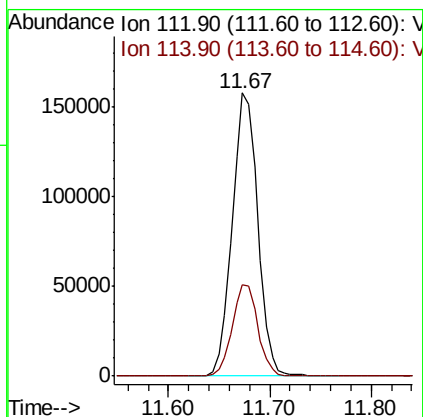
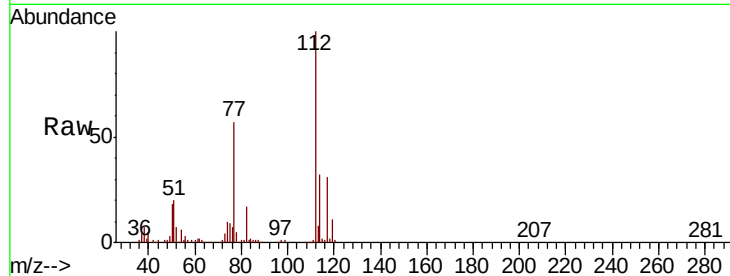




#65
Chlorobenzene
Concen: 20.039 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

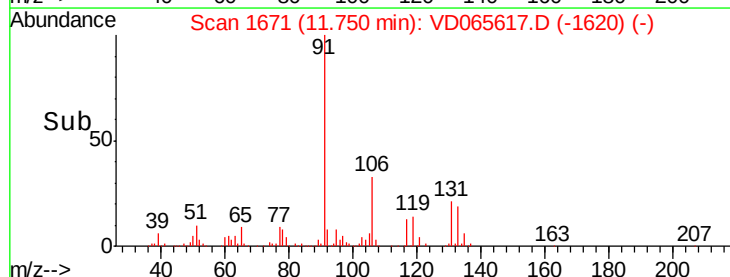
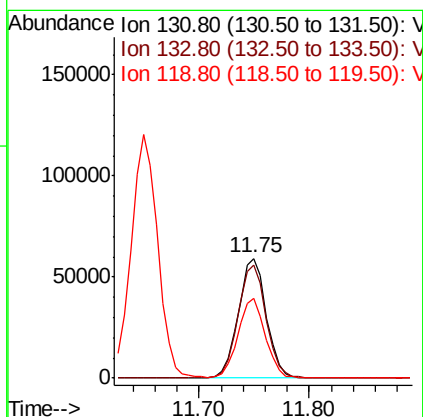
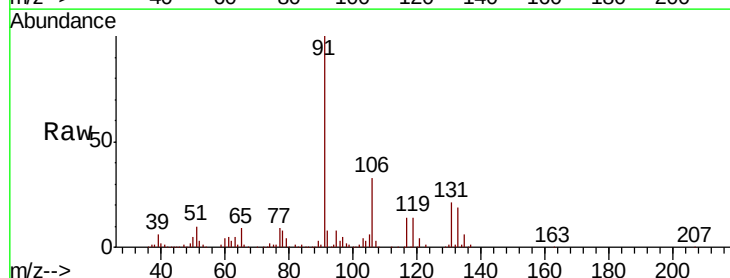
Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

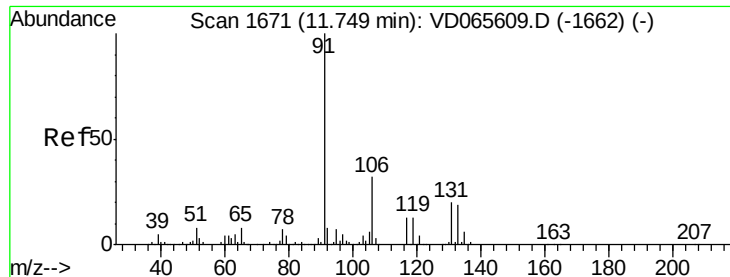
Tot Ion:112 Resp: 275761
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.055 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion:131 Resp: 105135
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 65.0 31.9 95.9





#67

Ethyl Benzene

Concen: 20.480 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

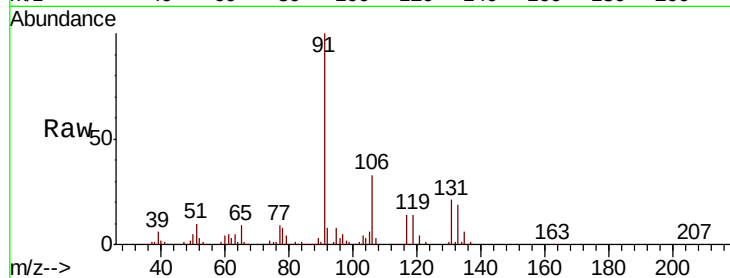
VD0413SBSD01

Tot Ion: 91 Resp: 465396

Ion Ratio Lower Upper

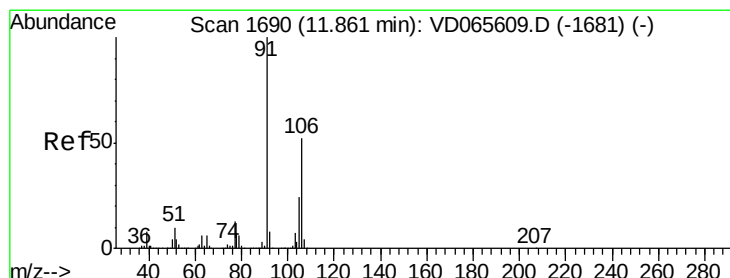
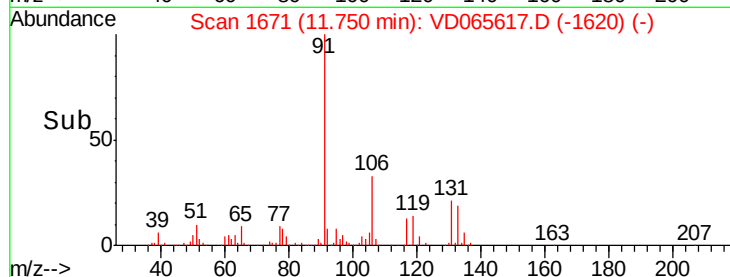
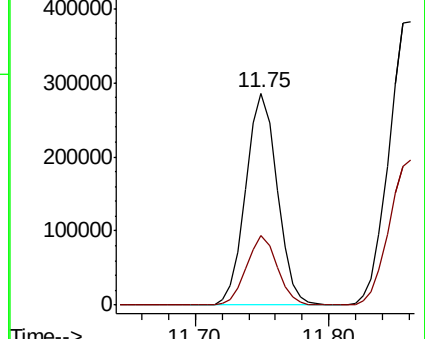
91 100

106 32.6 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 41.369 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065617.D

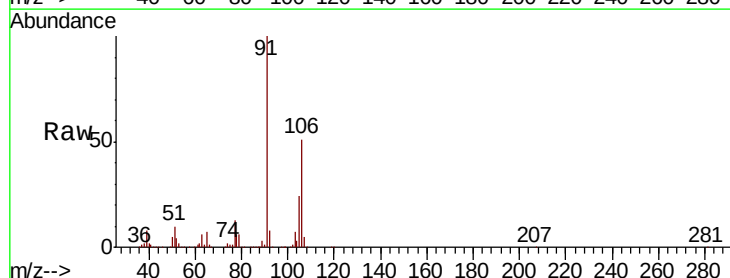
Acq: 13 Apr 2020 15:20

Tgt Ion: 106 Resp: 370879

Ion Ratio Lower Upper

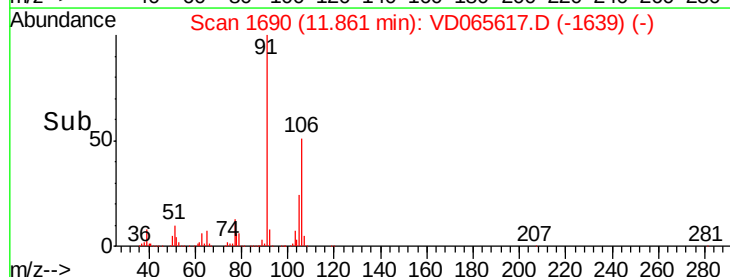
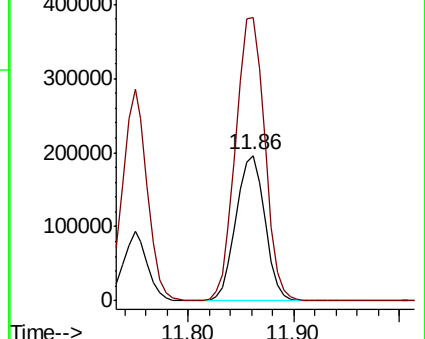
106 100

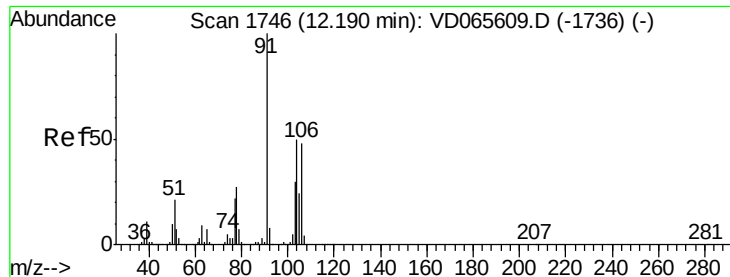
91 197.2 155.0 232.4



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

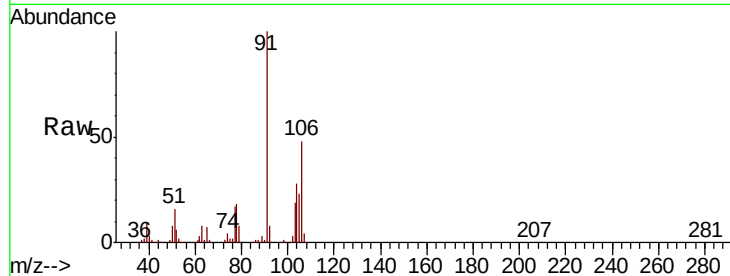




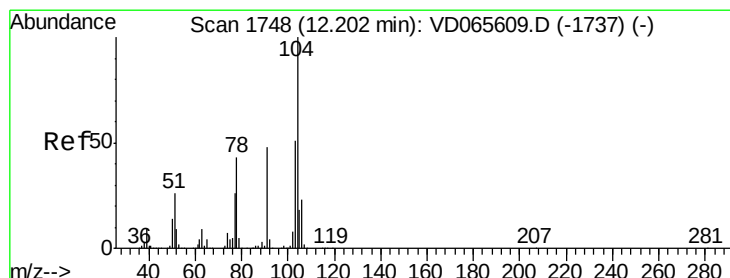
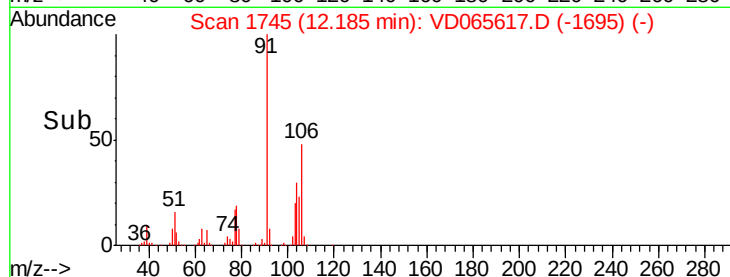
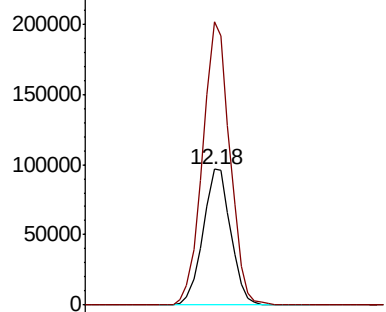
#69
o-Xylene
Concen: 20.826 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

Tot Ion:106 Resp: 160889
Ion Ratio Lower Upper
106 100
91 204.6 103.8 311.3

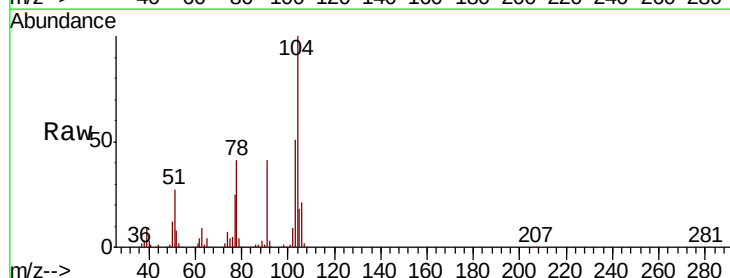


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

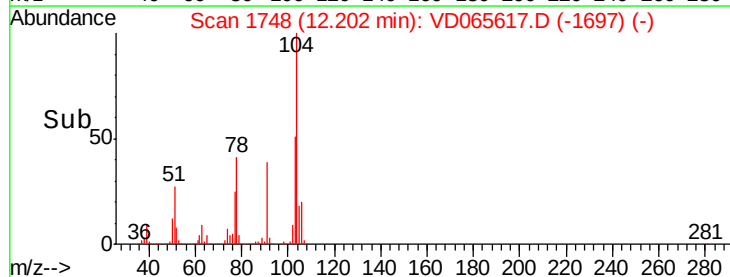
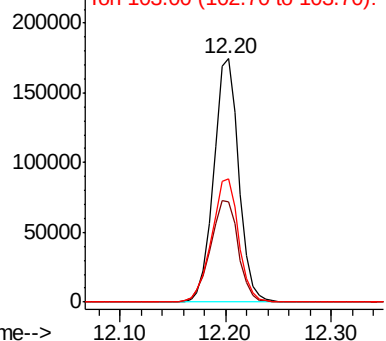


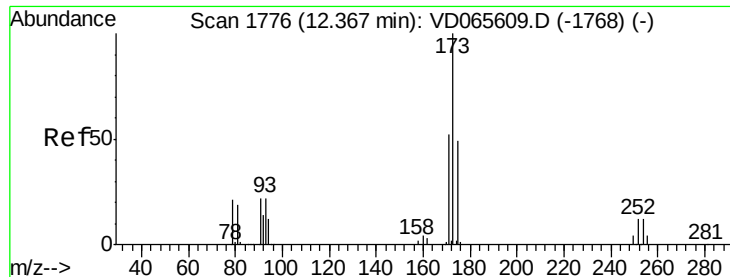
#70
Styrene
Concen: 20.999 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion:104 Resp: 286809
Ion Ratio Lower Upper
104 100
78 46.6 37.1 55.7
103 54.4 43.2 64.8



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

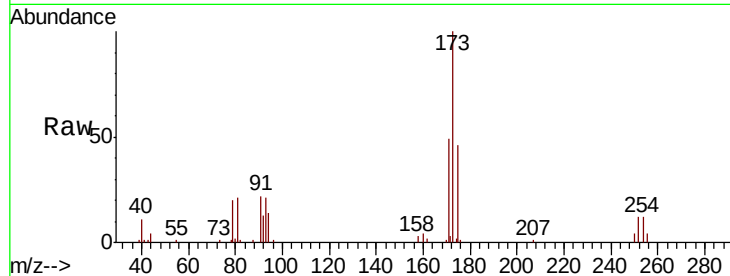




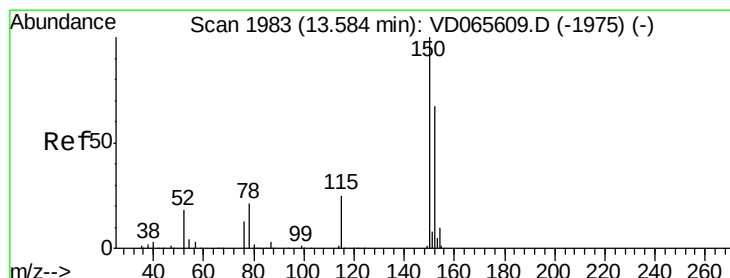
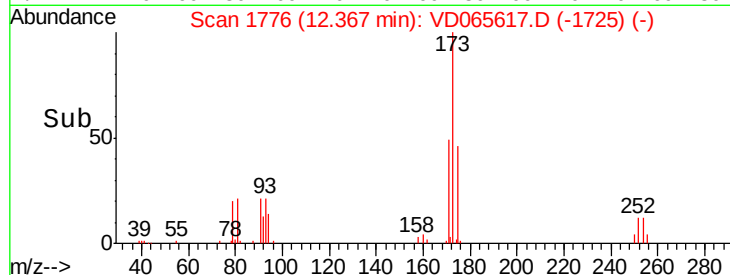
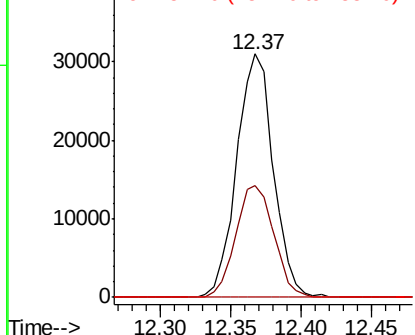
#71
Bromoform
Concen: 19.110 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Instrument :
MSVOA_D
ClientSampleId :
VD0413SBSD01

Tot Ion:173 Resp: 56186
Ion Ratio Lower Upper
173 100
175 47.7 24.5 73.5
254 0.0 0.0 0.0

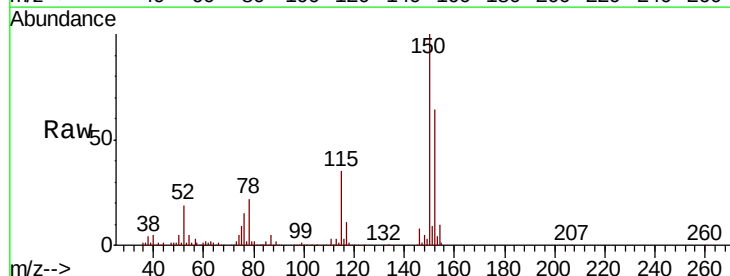


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

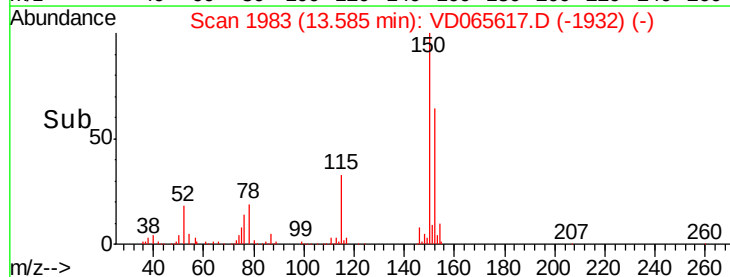
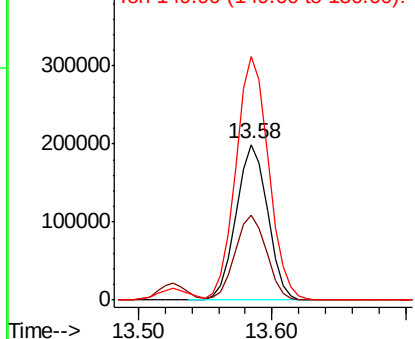


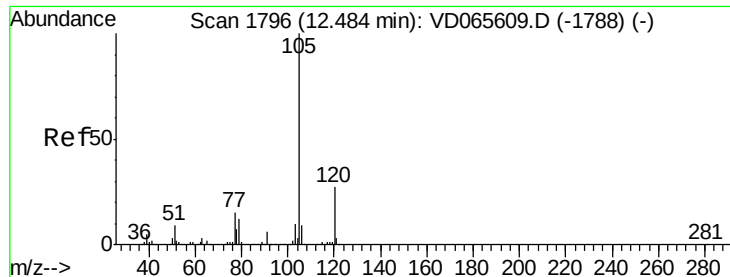
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065617.D
Acq: 13 Apr 2020 15:20

Tgt Ion:152 Resp: 325295
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.2
150 163.5 0.0 348.2



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: 21.470 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

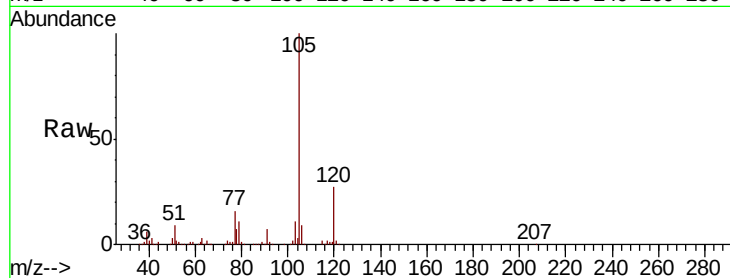
VD0413SBS01

Tot Ion:105 Resp: 445012

Ion Ratio Lower Upper

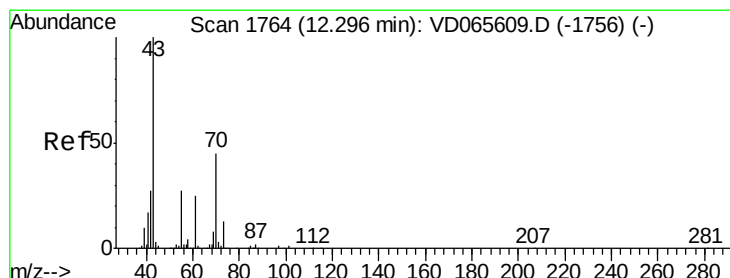
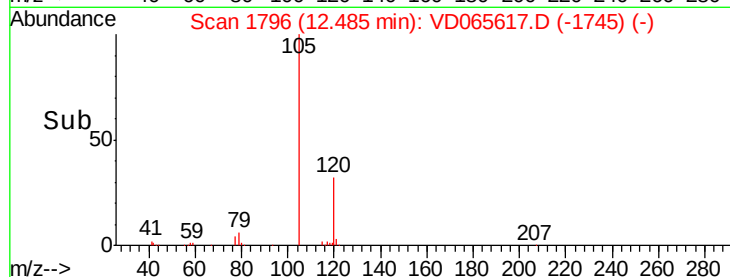
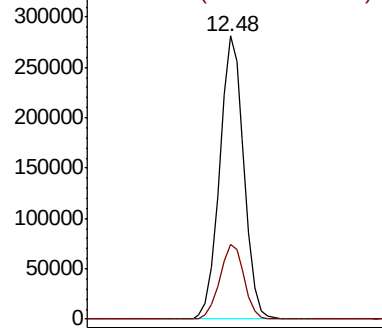
105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.944 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Tgt Ion: 43 Resp: 84921

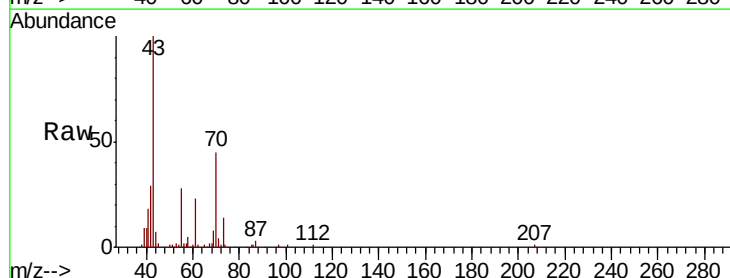
Ion Ratio Lower Upper

43 100

70 44.0 35.2 52.8

55 28.7 22.5 33.7

61 24.5 19.4 29.0

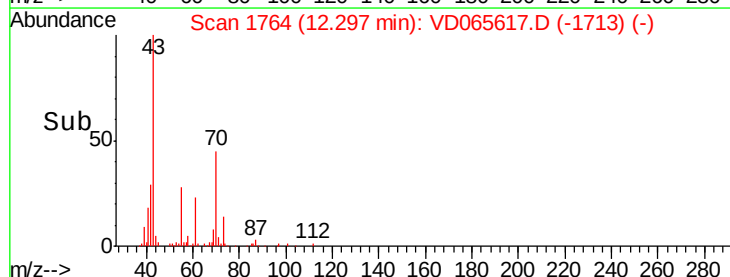
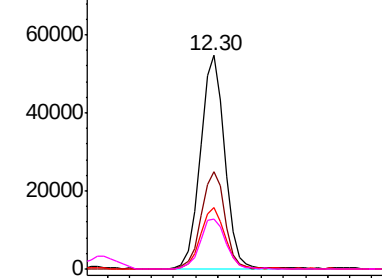


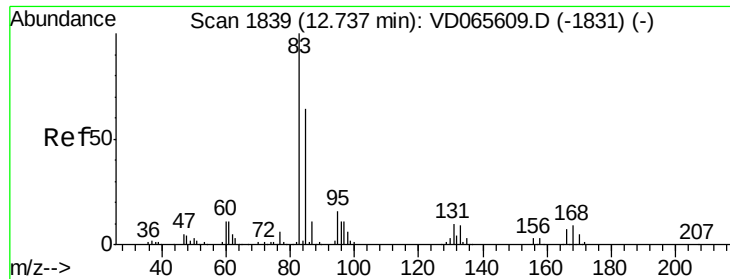
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBSD01

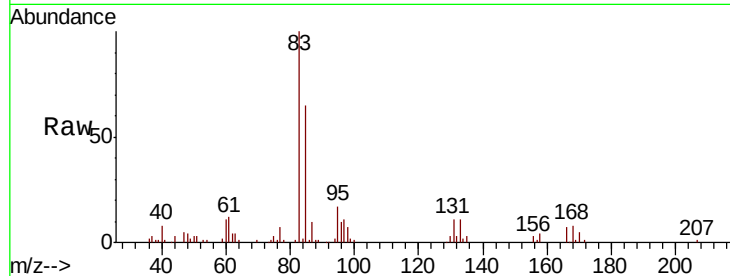
Tot Ion: 83 Resp: 74909

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.0

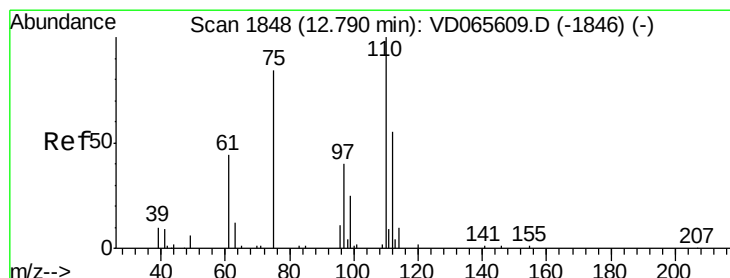
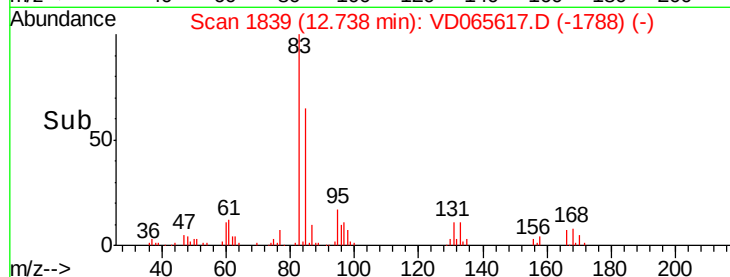
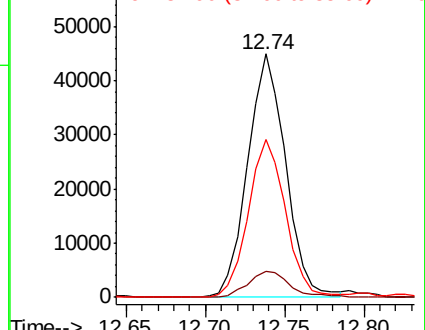
85 64.0 31.8 95.4



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: 37.813 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065617.D

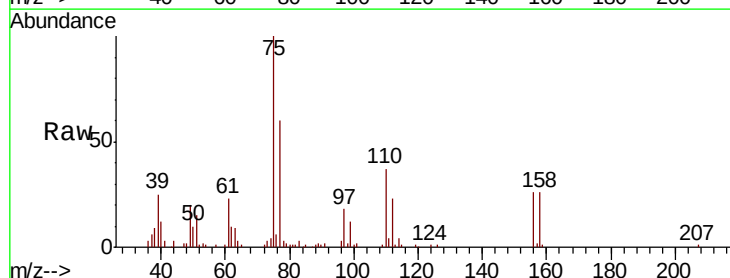
Acq: 13 Apr 2020 15:20

Tgt Ion: 75 Resp: 98652

Ion Ratio Lower Upper

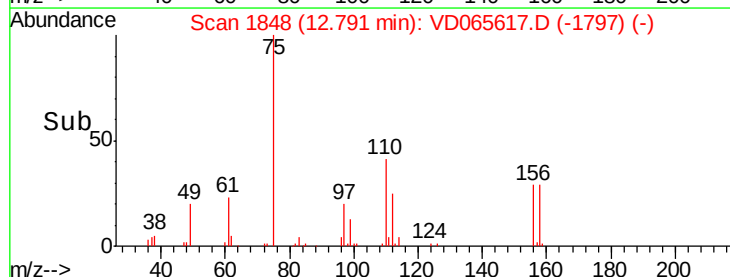
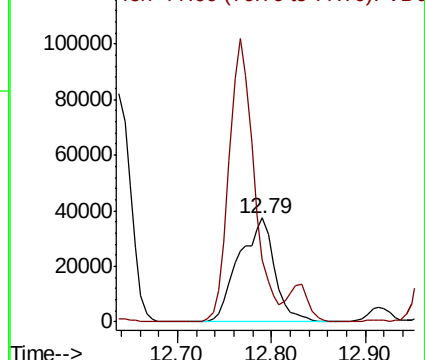
75 100

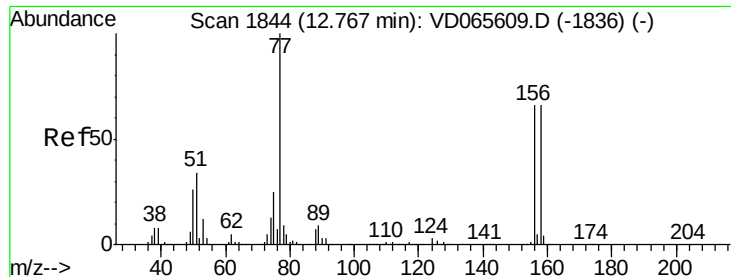
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.452 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413BSD01

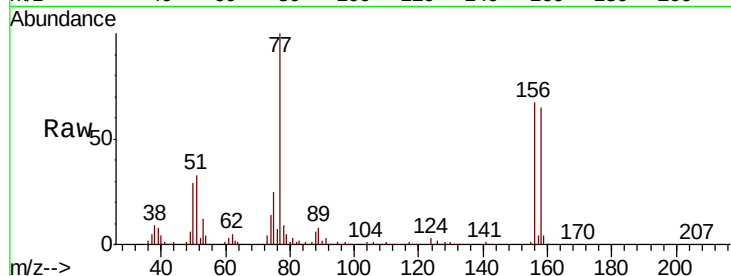
Tot Ion:156 Resp: 116215

Ion Ratio Lower Upper

156 100

77 162.7 80.3 240.9

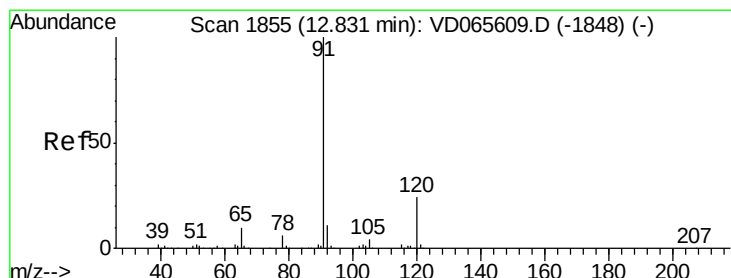
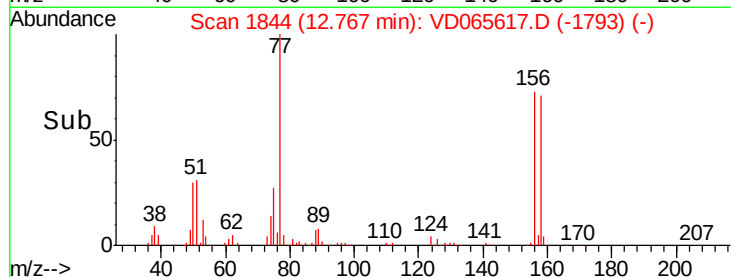
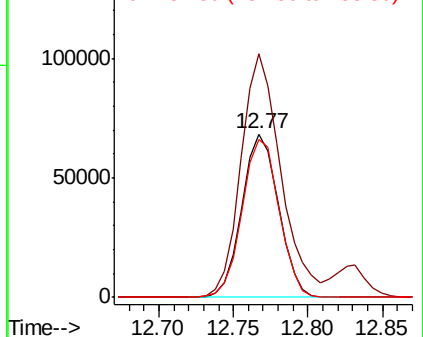
158 97.6 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.422 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VD065617.D

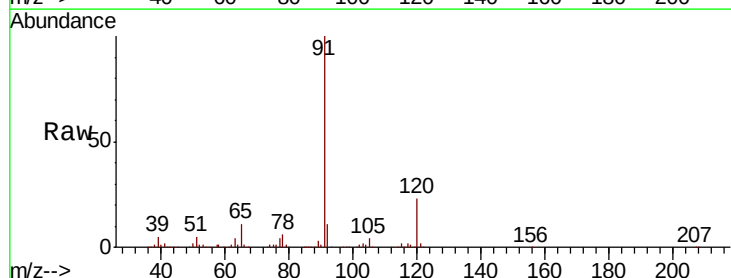
Acq: 13 Apr 2020 15:20

Tgt Ion: 91 Resp: 535851

Ion Ratio Lower Upper

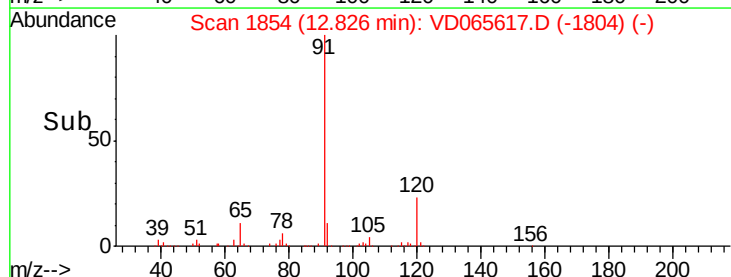
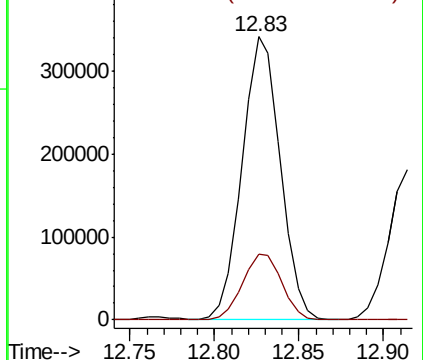
91 100

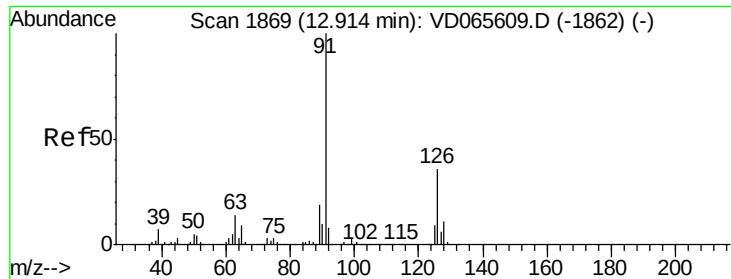
120 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.194 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

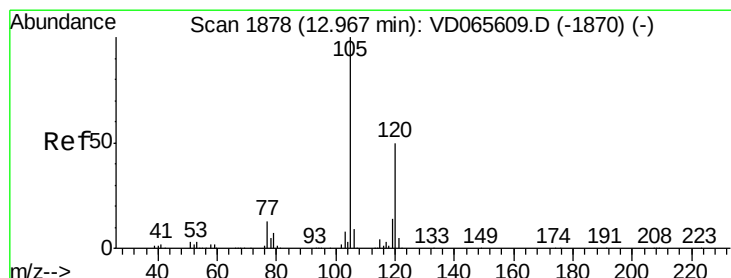
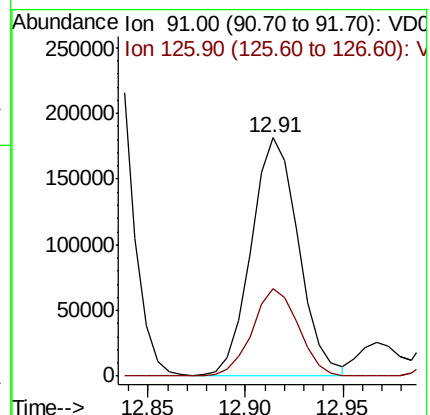
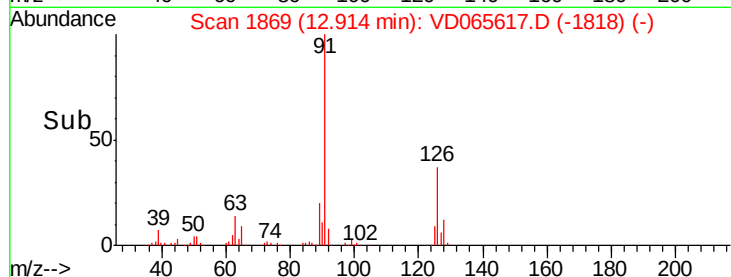
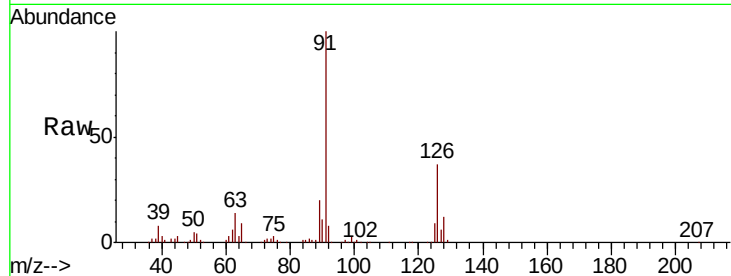
VD0413SBSD01

Tot Ion: 91 Resp: 303841

Ion Ratio Lower Upper

91 100

126 35.8 18.0 54.0



#80

1,3,5-Trimethylbenzene

Concen: 21.252 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065617.D

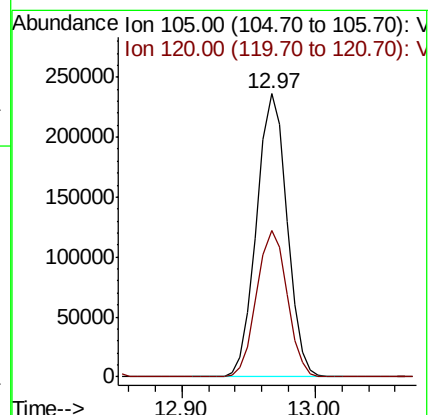
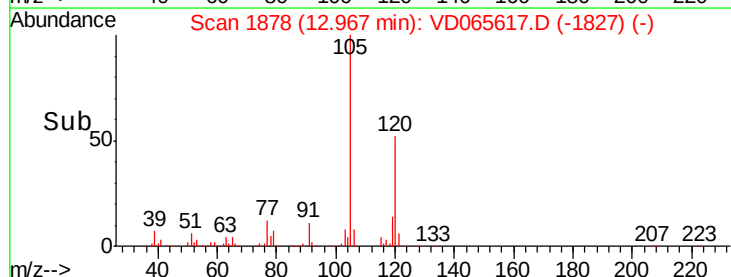
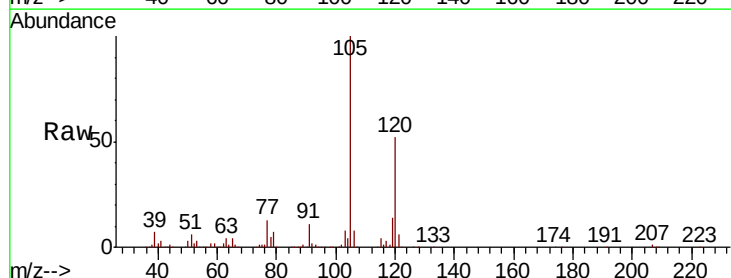
Acq: 13 Apr 2020 15:20

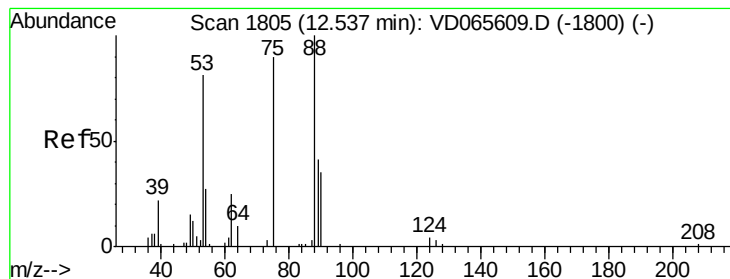
Tgt Ion:105 Resp: 371252

Ion Ratio Lower Upper

105 100

120 52.0 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.705 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

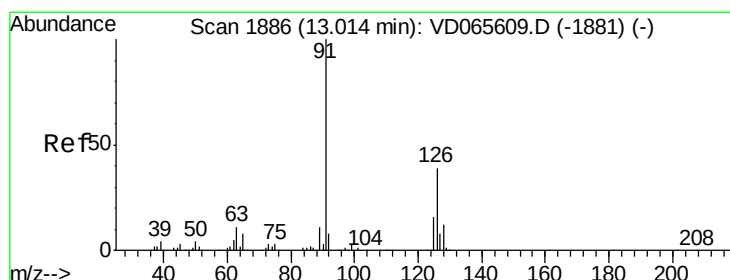
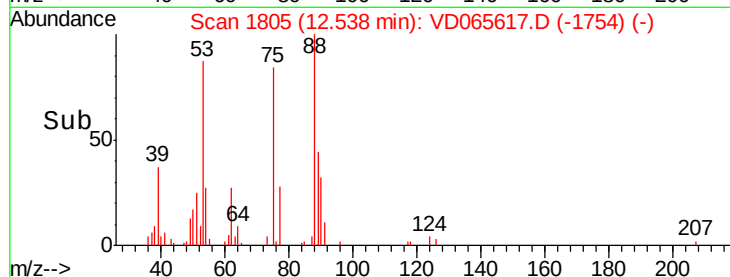
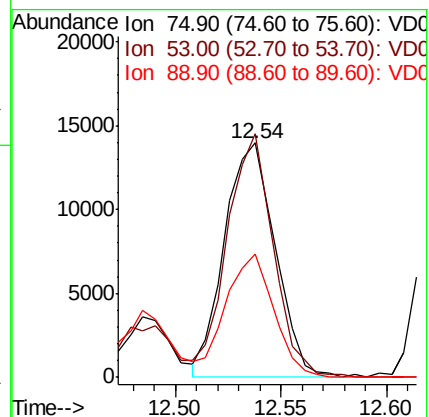
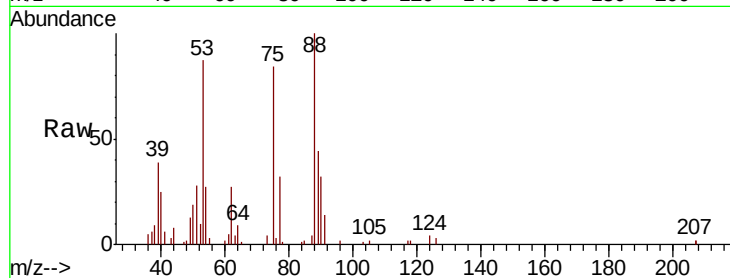
Tot Ion: 75 Resp: 23320

Ion	Ratio	Lower	Upper
75	100		
53	94.4	73.8	110.8
89	50.0	36.1	54.1

75 100

53 94.4 73.8 110.8

89 50.0 36.1 54.1



#82

4-Chlorotoluene

Concen: 20.861 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065617.D

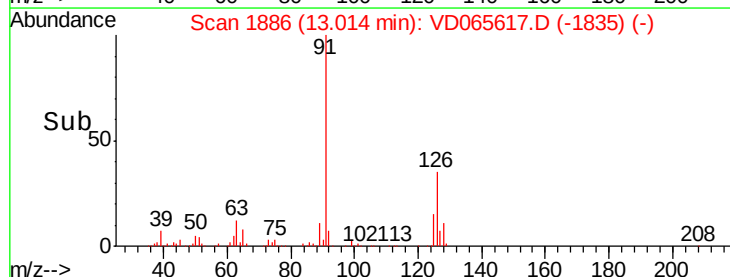
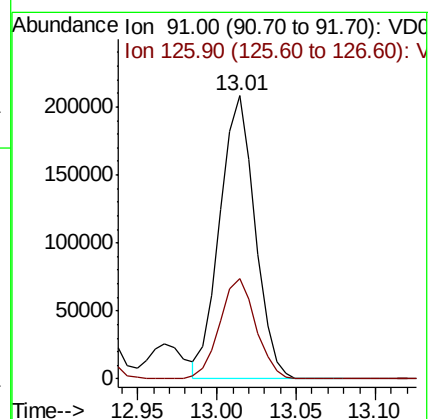
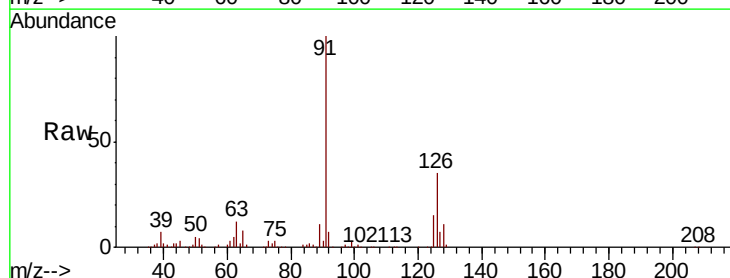
Acq: 13 Apr 2020 15:20

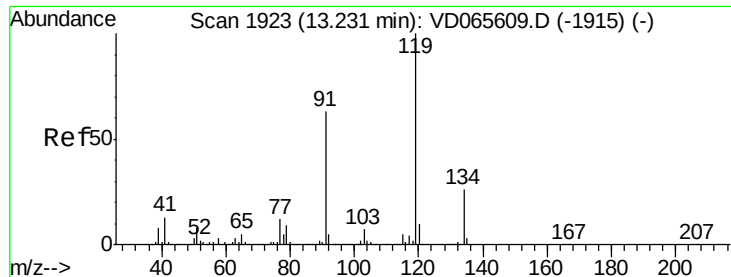
Tgt Ion: 91 Resp: 321901

Ion	Ratio	Lower	Upper
91	100		
126	36.2	18.1	54.4

91 100

126 36.2 18.1 54.4

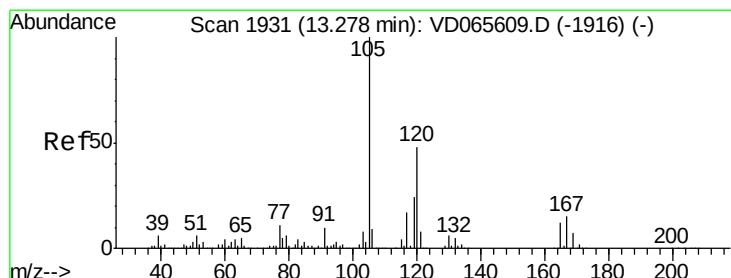
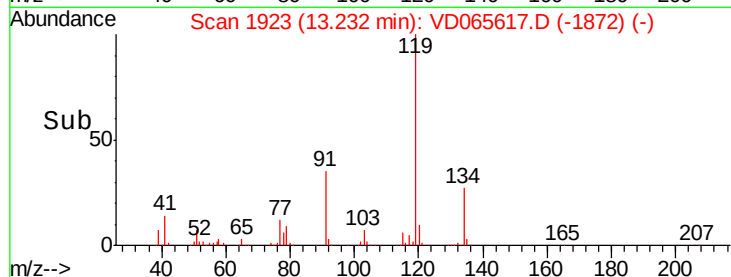
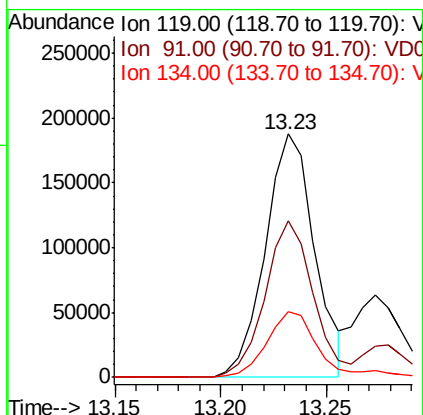
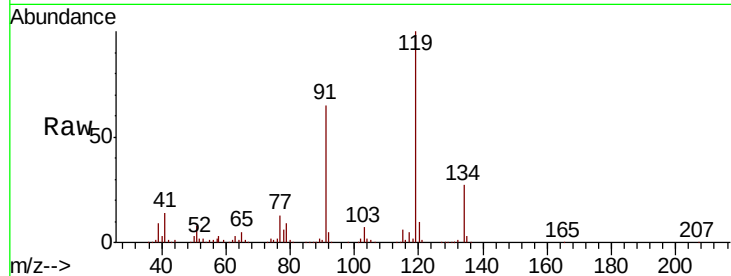




#83
 tert-Butylbenzene
 Concen: 20.855 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

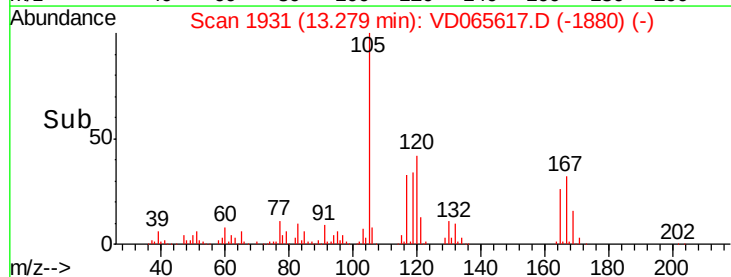
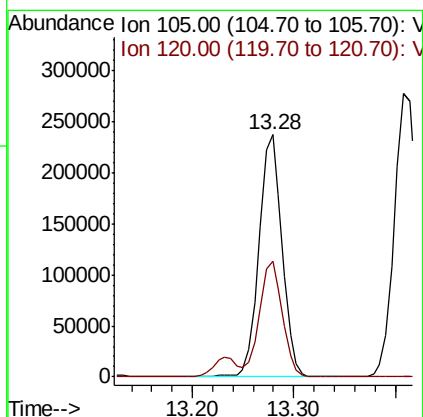
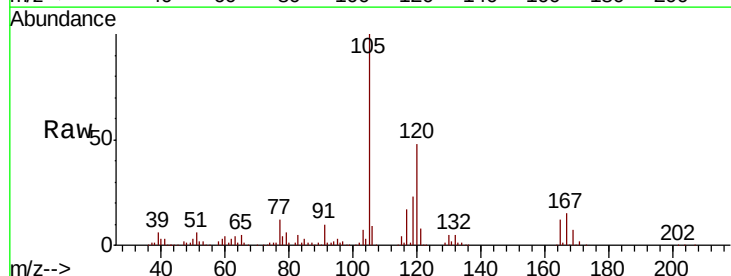
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413BSD01

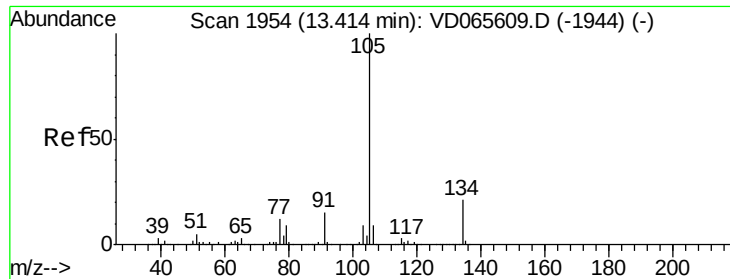
Tot Ion:119 Resp: 304631
 Ion Ratio Lower Upper
 119 100
 91 62.9 30.4 91.2
 134 28.9 13.7 41.0



#84
 1,2,4-Trimethylbenzene
 Concen: 21.567 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion:105 Resp: 374398
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.6

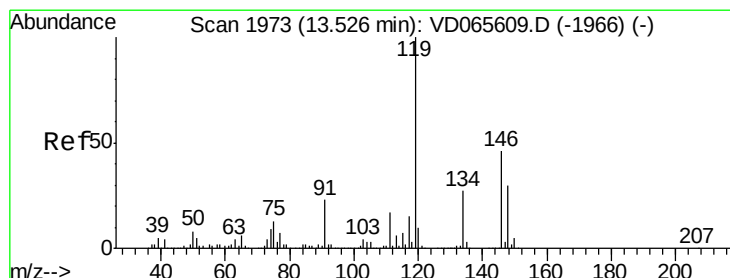
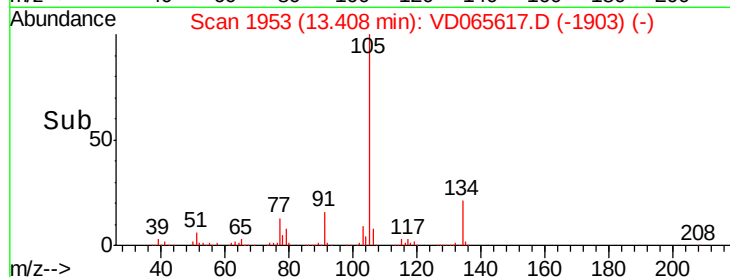
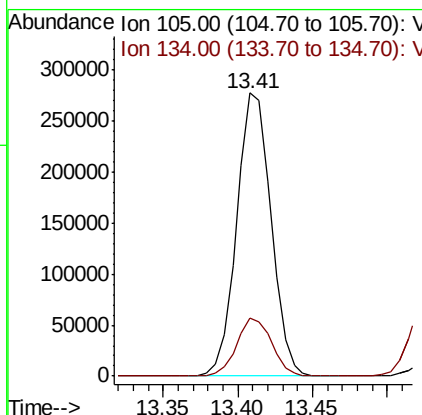
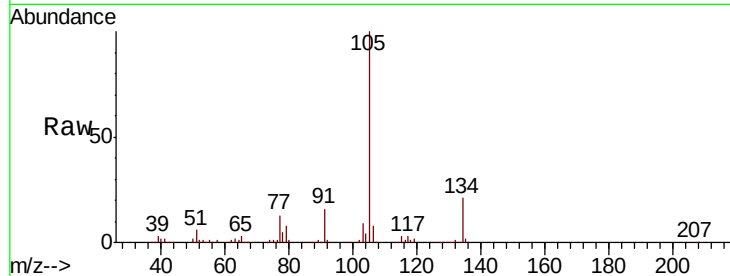




#85
 sec-Butylbenzene
 Concen: 21.356 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

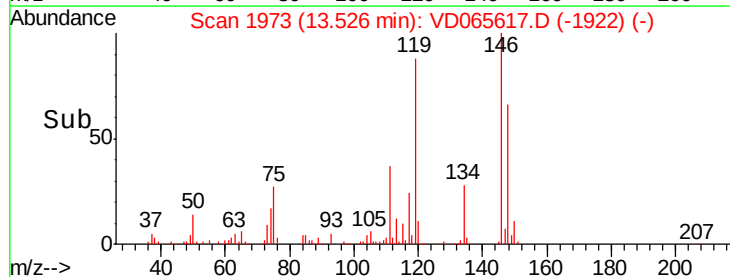
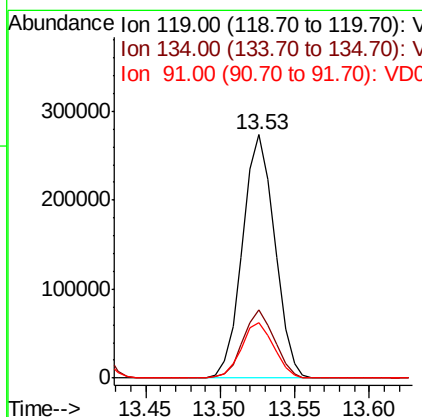
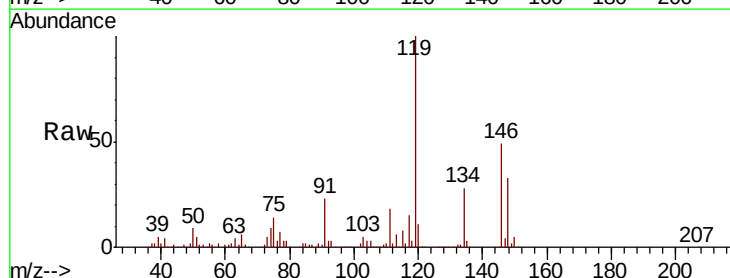
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

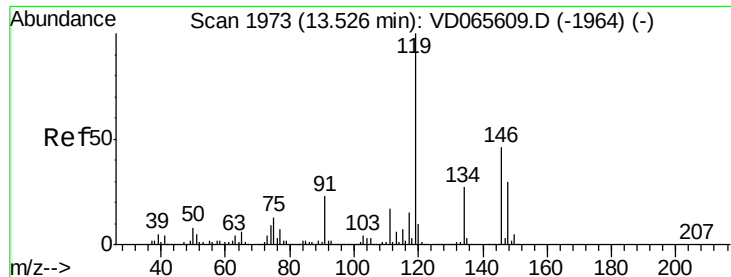
Tot Ion:105 Resp: 443892
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 21.422 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion:119 Resp: 410909
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.5 40.4
 91 22.7 11.1 33.1

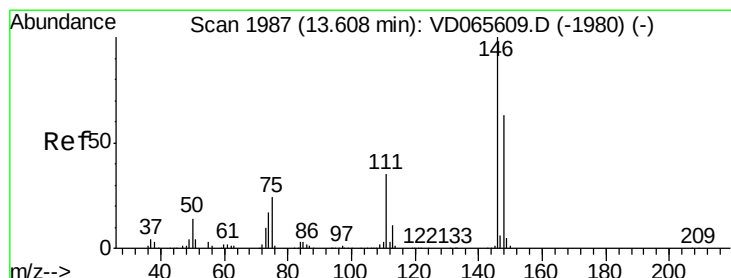
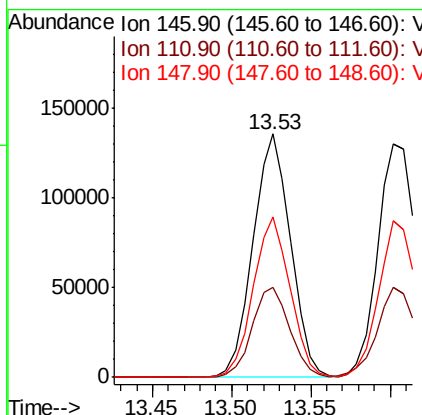
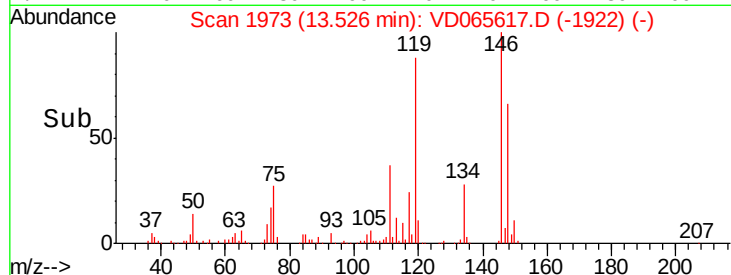
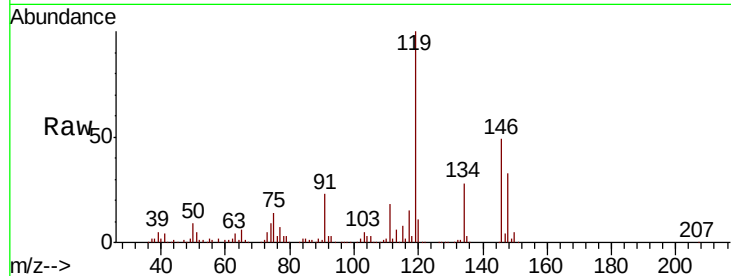




#87
 1,3-Dichlorobenzene
 Concen: 20.348 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

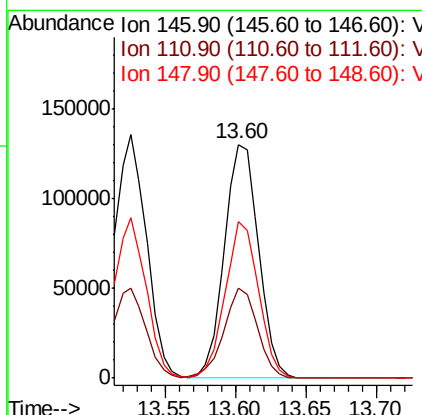
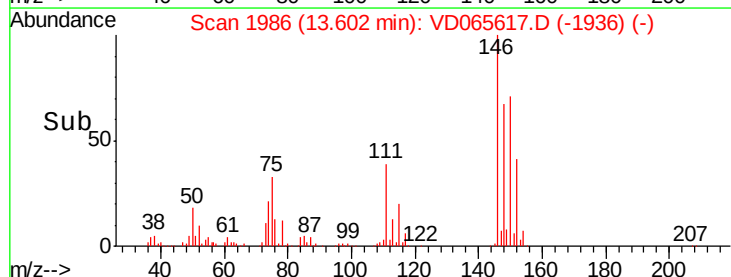
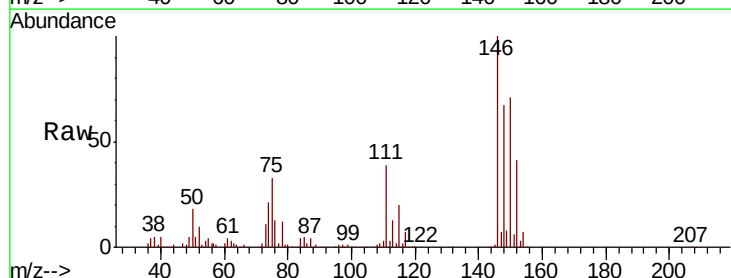
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBSD01

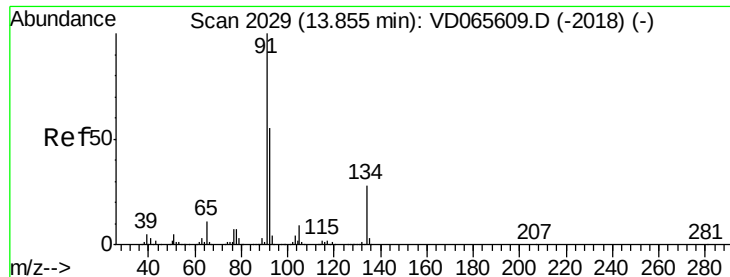
Tot Ion:146 Resp: 222969
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.6 55.8
 148 64.5 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.060 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion:146 Resp: 219544
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.0 54.0
 148 64.9 31.8 95.4





#89

n-Butylbenzene

Concen: 21.149 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBSD01

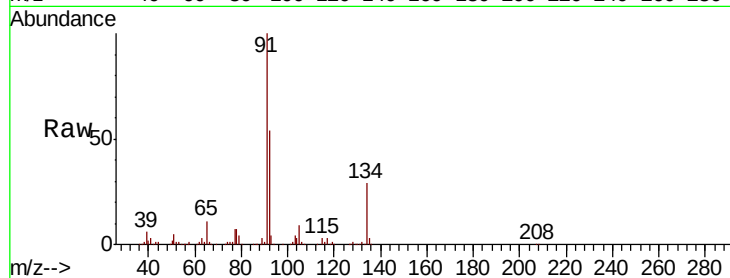
Tot Ion: 91 Resp: 366095

Ion Ratio Lower Upper

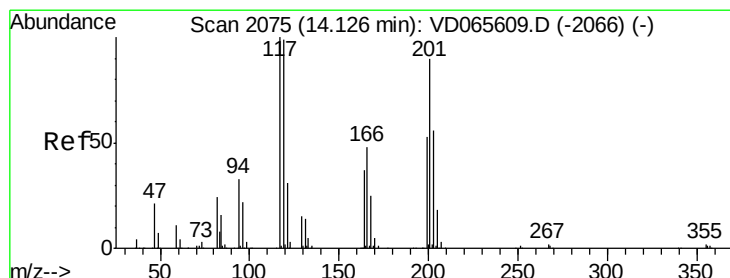
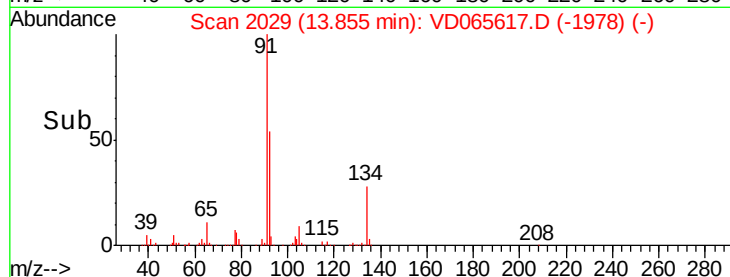
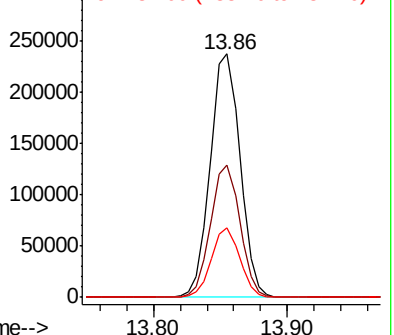
91 100

92 53.4 27.2 81.6

134 27.4 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.017 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VD065617.D

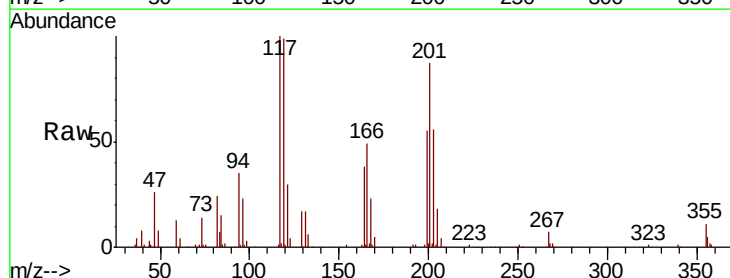
Acq: 13 Apr 2020 15:20

Tgt Ion: 117 Resp: 83757

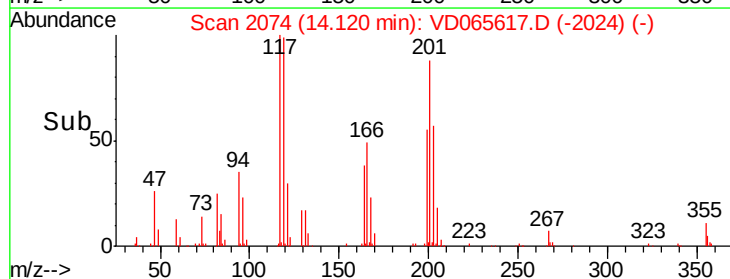
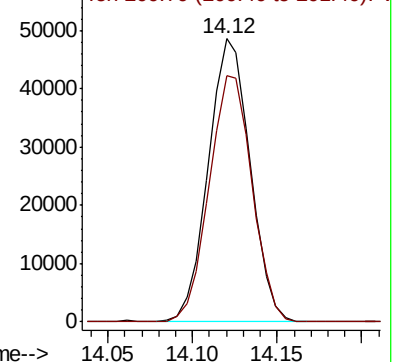
Ion Ratio Lower Upper

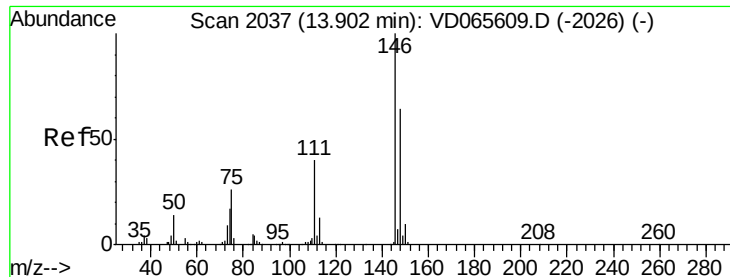
117 100

201 89.1 43.9 131.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

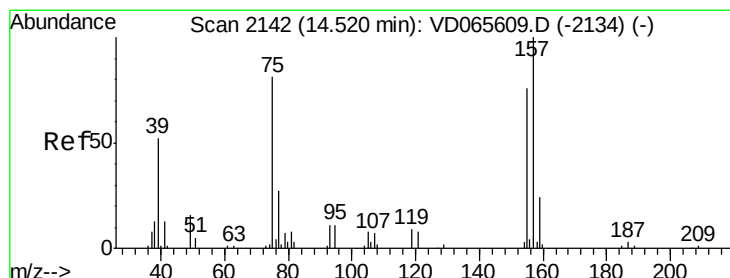
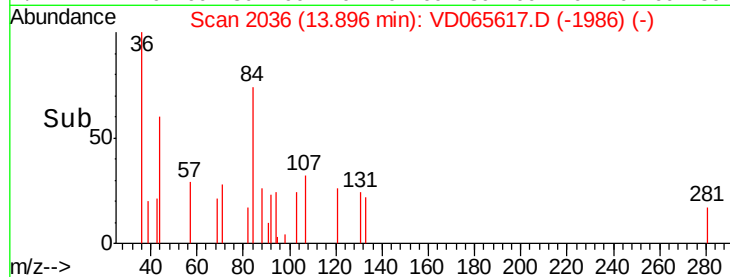
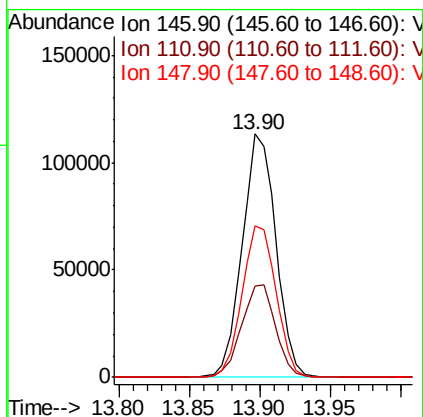
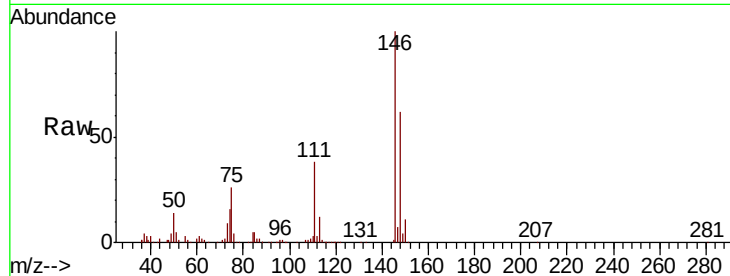




#91
 1,2-Dichlorobenzene
 Concen: 20.367 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

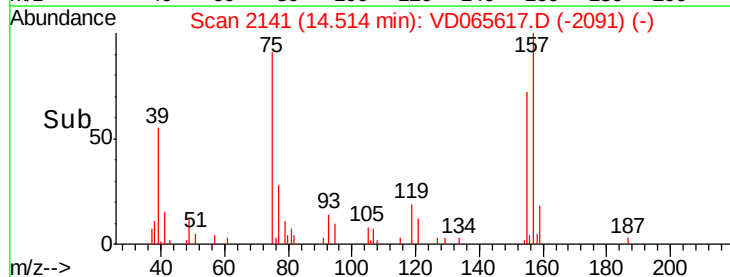
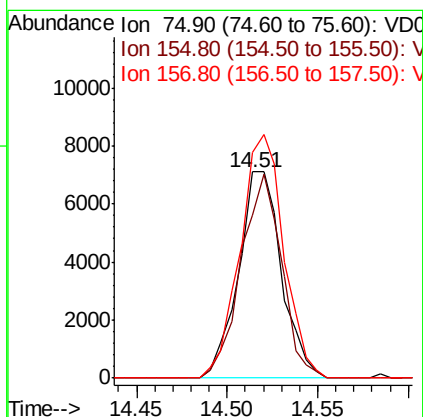
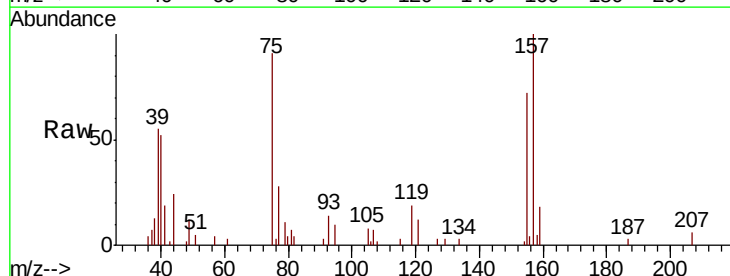
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBSD01

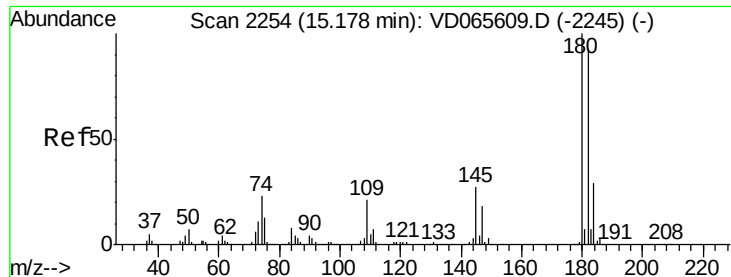
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	62.9	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.952 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	46.8	140.4
157	119.5	59.6	178.7

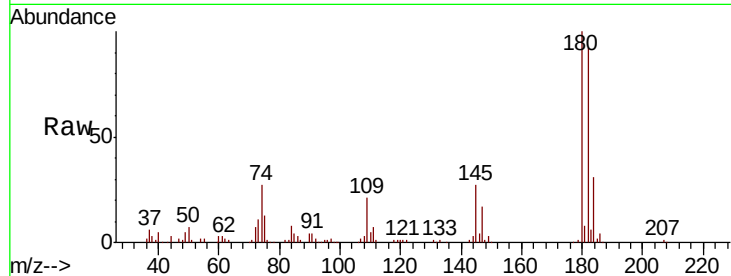




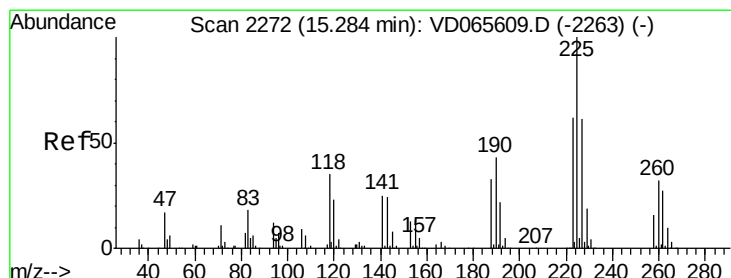
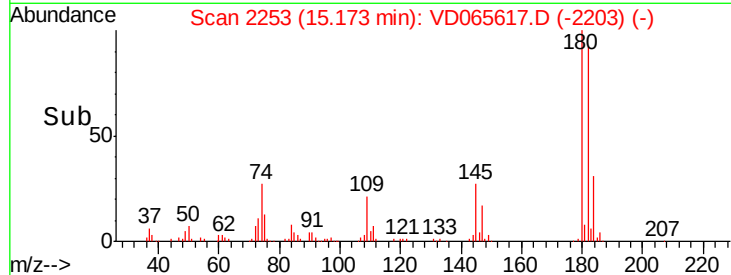
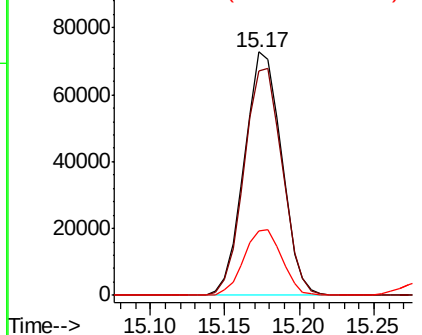
#93
 1,2,4-Trichlorobenzene
 Concen: 20.621 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0413SBS01

Tot Ion:180 Resp: 126267
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.0 141.2
 145 27.4 14.0 41.9

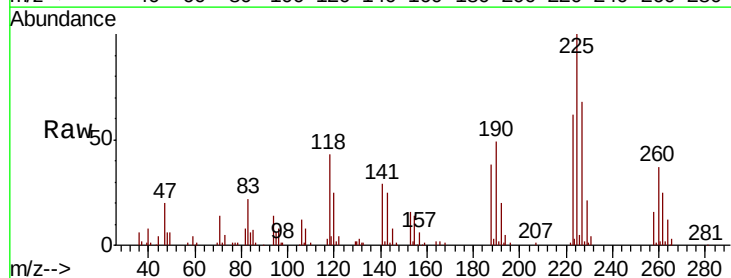


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

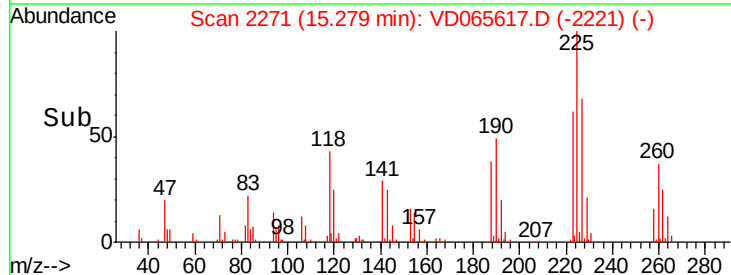
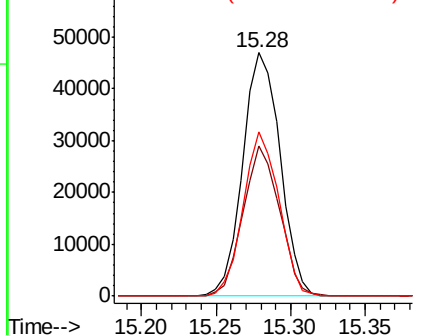


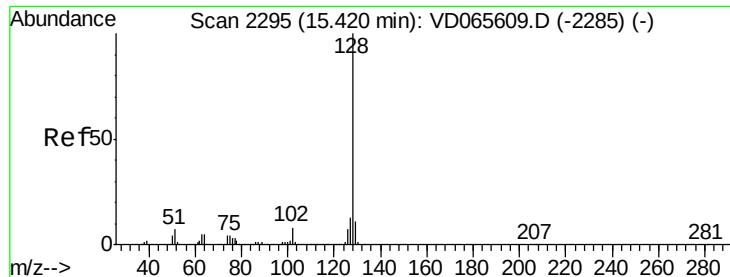
#94
 Hexachlorobutadiene
 Concen: 19.152 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065617.D
 Acq: 13 Apr 2020 15:20

Tgt Ion:225 Resp: 81516
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.6 94.7
 227 64.4 31.6 95.0



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: 18.470 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

Instrument :

MSVOA_D

ClientSampleId :

VD0413SBS01

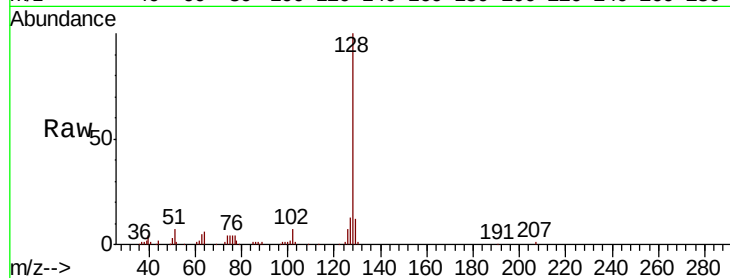
Tot Ion:128 Resp: 166327

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 11.2 8.4 12.6

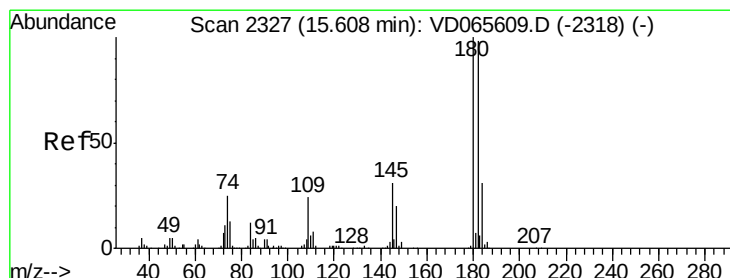
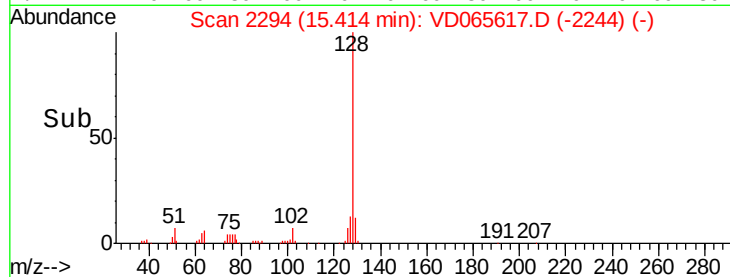
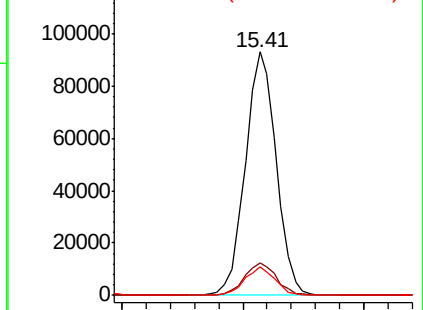


Abundance

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: 20.976 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065617.D

Acq: 13 Apr 2020 15:20

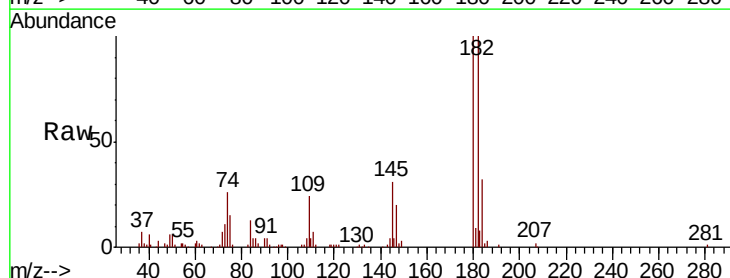
Tgt Ion:180 Resp: 111183

Ion Ratio Lower Upper

180 100

182 97.3 47.7 143.1

145 30.0 15.2 45.6



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

