

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065149.D
 Acq On : 11 Feb 2020 17:34
 Operator : VA/SY
 Sample : L1491-04
 Misc : 8.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 12 06:58:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	500247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	773471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	736713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	210616	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
35) Dibromofluoromethane	7.92	113	231560	53.66	ug/l	0.00
Spiked Amount			Recovery	=	107.32%	
50) Toluene-d8	10.34	98	1155137	67.25	ug/l	0.00
Spiked Amount			Recovery	=	134.50%	
62) 4-Bromofluorobenzene	12.64	95	413452	75.96	ug/l	0.00
Spiked Amount			Recovery	=	151.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.26	59	1895	7.295	ug/l #	71
15) Acrylonitrile	5.50	53	5252	5.548	ug/l #	17
16) Acetone	4.17	43	9819	9.237	ug/l	97
20) Methylene Chloride	4.96	84	2577	Below Cal	#	75
25) 2-Butanone	7.23	43	7641	6.026	ug/l #	78
31) Cyclohexane	7.98	56	430864	50.942	ug/l	99
36) 1,1-Dichloropropene	7.98	75	37100	5.158	ug/l #	63
38) Carbon Tetrachloride	7.98	117	46247	6.296	ug/l #	15
39) Methylcyclohexane	9.36	83	2104988	237.118	ug/l	99
40) Benzene	8.36	78	25593	1.289	ug/l	98
41) Methacrylonitrile	7.56	41	2428	1.500	ug/l #	49
43) Isopropyl Acetate	8.45	43	57650	10.257	ug/l #	52
44) Trichloroethene	9.11	130	7432	1.304	ug/l	86
45) 1,2-Dichloropropane	9.36	63	21364	4.486	ug/l #	1
47) Bromodichloromethane	9.77	83	23936	3.630	ug/l #	43
48) Methyl methacrylate	9.54	41	113599	42.001	ug/l #	59
51) 4-Methyl-2-Pentanone	10.34	43	136198	49.230	ug/l #	52
55) 1,1,2-Trichloroethane	10.78	97	607998	177.146	ug/l #	22
56) Ethyl methacrylate	10.68	69	232496	53.538	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	737	Below Cal	#	46
59) 2-Hexanone	10.96	43	1037832	529.607	ug/l #	30
67) Ethyl Benzene	11.75	91	1135639	43.868	ug/l	98
68) m/p-Xylenes	11.75	106	350539	35.477	ug/l #	17
69) o-Xylene	12.18	106	20088	2.258	ug/l	35
73) Isopropylbenzene	12.48	105	990831	50.742	ug/l	100
74) N-amyl acetate	12.28	43	1471905	346.796	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.71	83	99190	32.275	ug/l #	82
76) 1,2,3-Trichloropropane	12.83	75	11189	5.195	ug/l #	100
78) n-propylbenzene	12.83	91	1599492	69.945	ug/l	99
79) 2-Chlorotoluene	12.83	91	1599492	125.482	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.13	105	899564	56.310	ug/l	72
81) trans-1,4-Dichloro-2-buten	12.49	75	11357	10.545	ug/l #	1
82) 4-Chlorotoluene	13.13	91	120358	8.990	ug/l #	40
83) tert-Butylbenzene	13.23	119	57862	4.198	ug/l	77

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

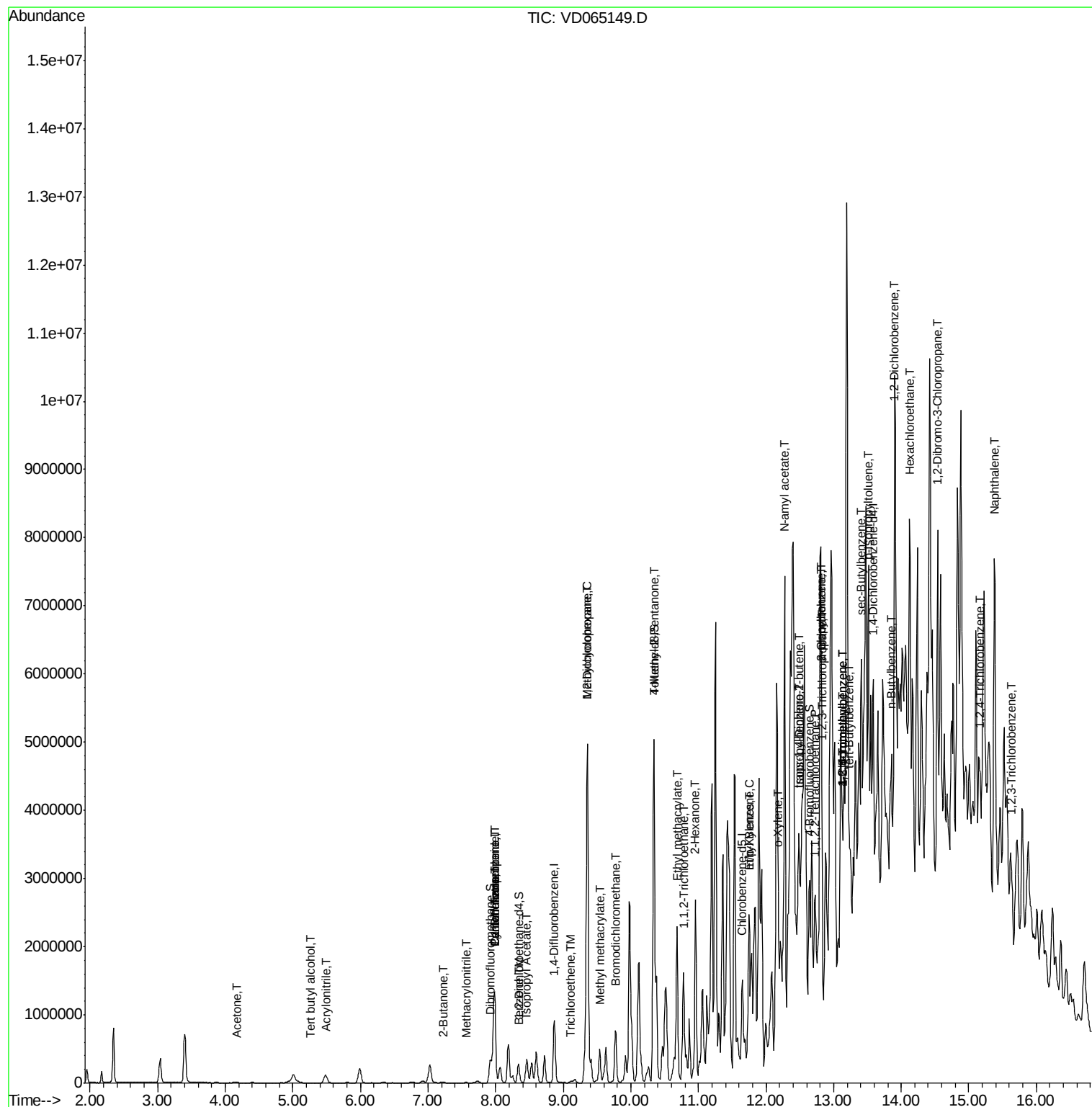
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.13	105	900732	56.793	ug/l	76
85) sec-Butylbenzene	13.41	105	1765554	93.793	ug/l	89
86) p-Isopropyltoluene	13.53	119	51921	2.969	ug/l #	55
89) n-Butylbenzene	13.86	91	803228	49.758	ug/l	98
90) Hexachloroethane	14.13	117	134554	40.629	ug/l #	7
91) 1,2-Dichlorobenzene	13.90	146	8848	1.173	ug/l #	72
92) 1,2-Dibromo-3-Chloropropan	14.54	75	8720	17.381	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.17	180	8134	1.508	ug/l #	1
95) Naphthalene	15.37	128	72429	8.081	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.63	180	14350	3.111	ug/l #	44

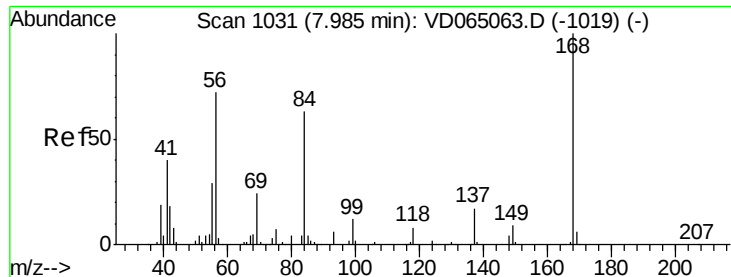
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

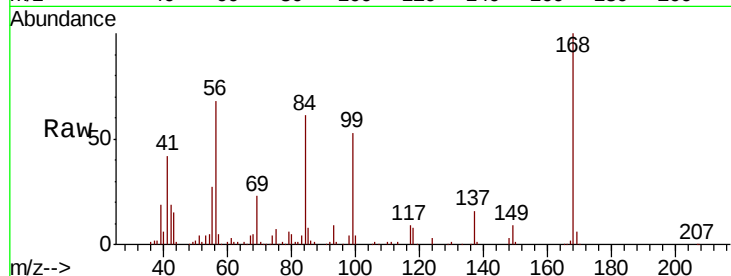
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 500247

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

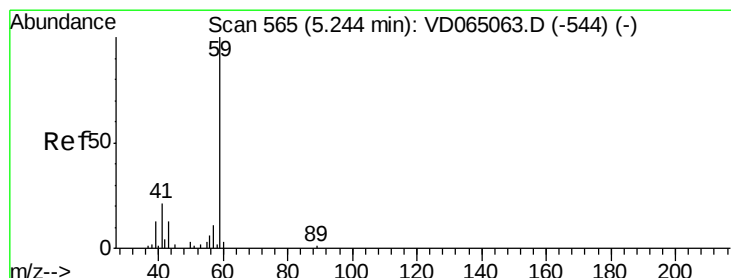
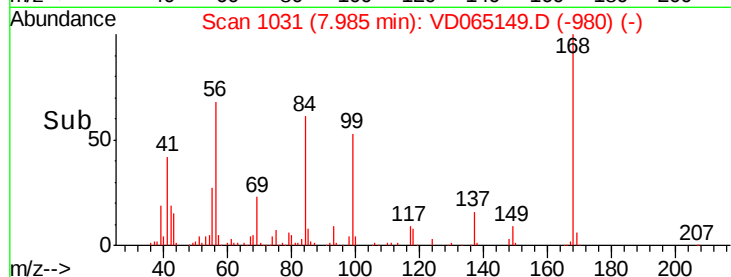
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.295 ug/l

RT: 5.26 min Scan# 568

Delta R.T. 0.02 min

Lab File: VD065149.D

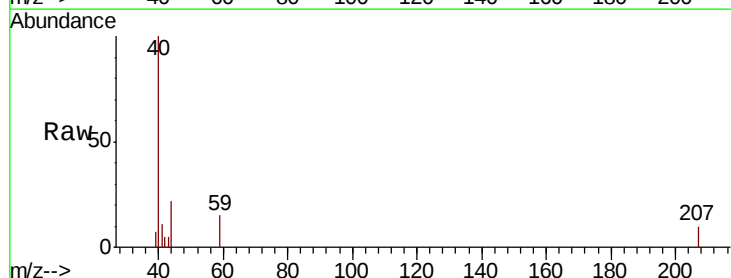
Acq: 11 Feb 2020 17:34

Tgt Ion: 59 Resp: 1895

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.26

600

500

400

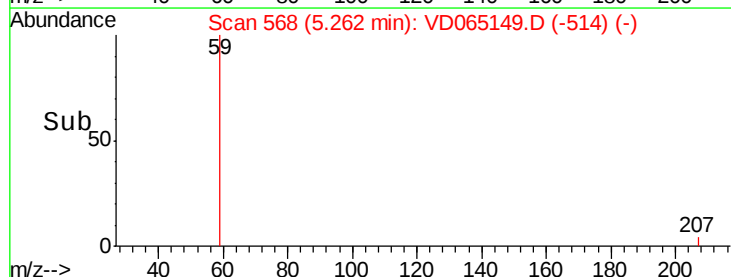
300

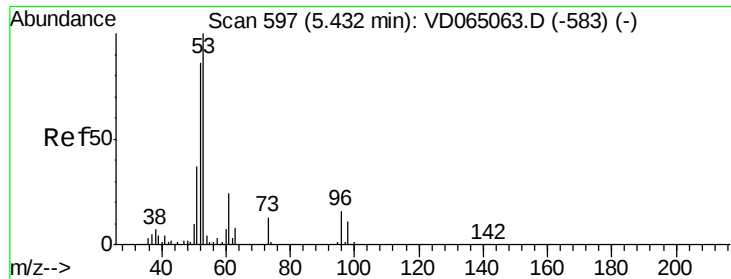
200

100

0

Time-->





#15

Acrylonitrile

Concen: 5.548 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.06 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

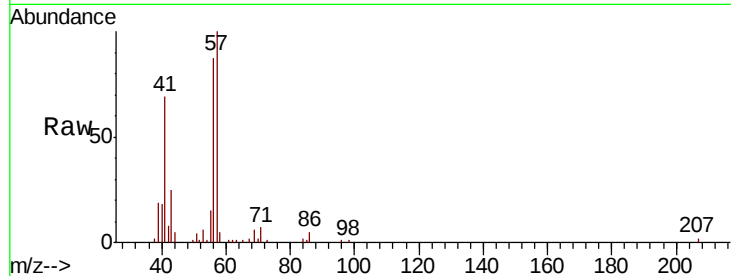
Tot Ion: 53 Resp: 5252

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

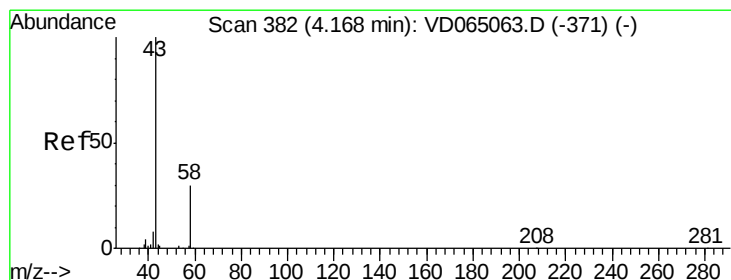
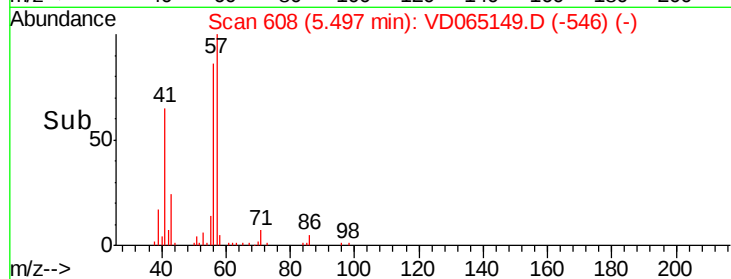
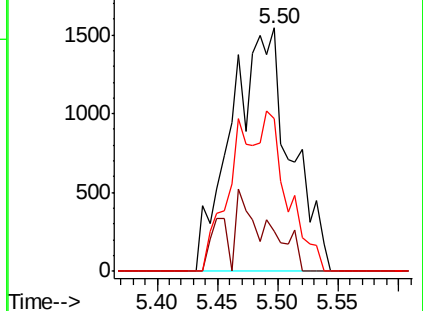
51 0.0 30.4 45.6#



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: 9.237 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065149.D

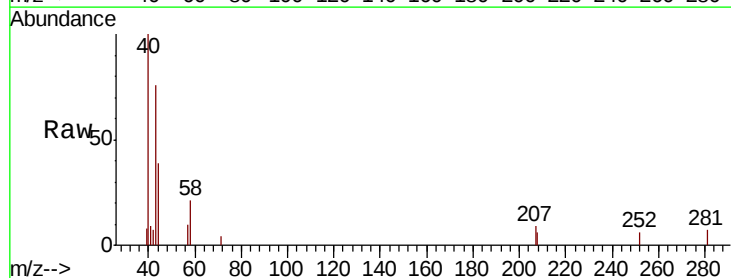
Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 9819

Ion Ratio Lower Upper

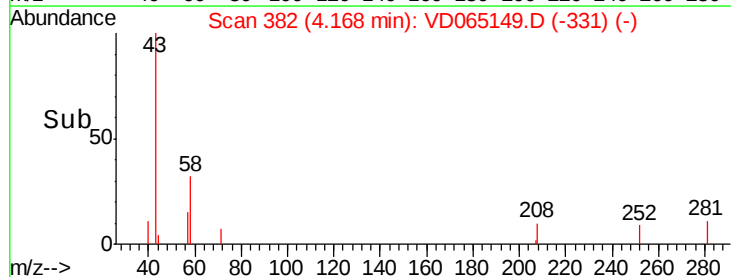
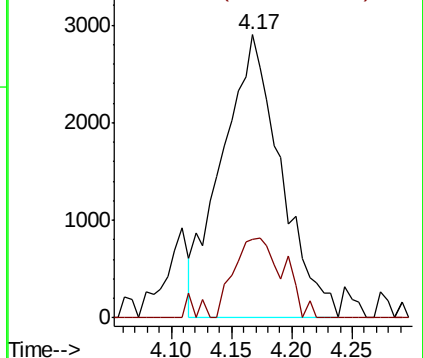
43 100

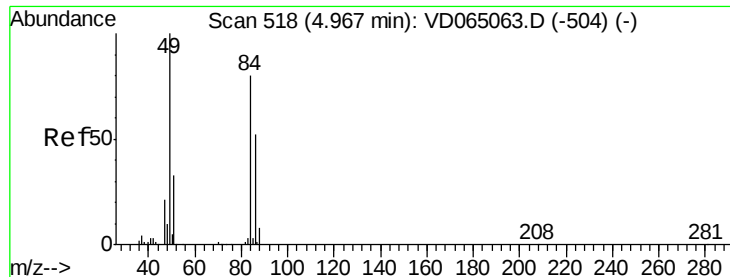
58 27.7 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

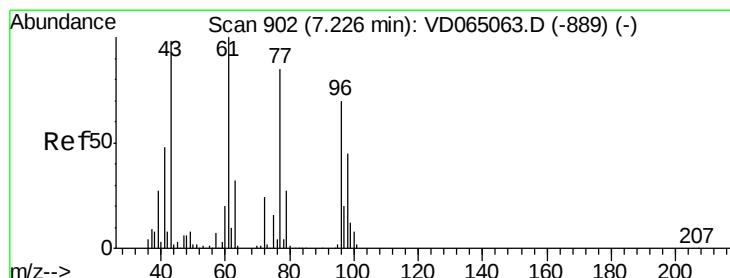
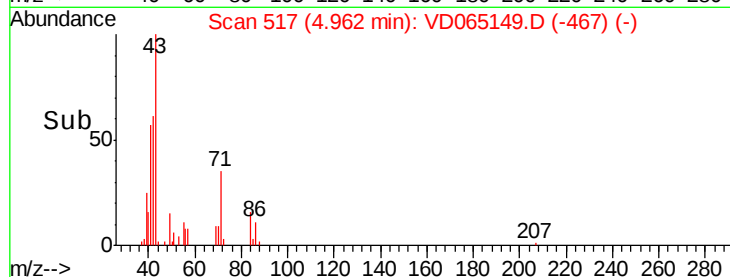
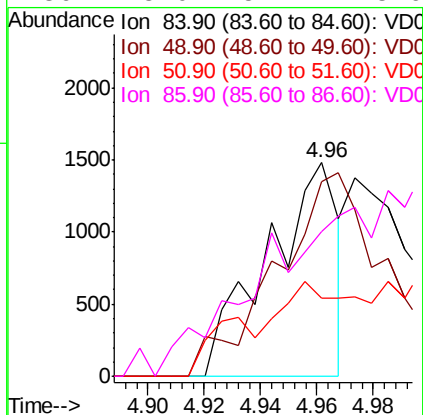
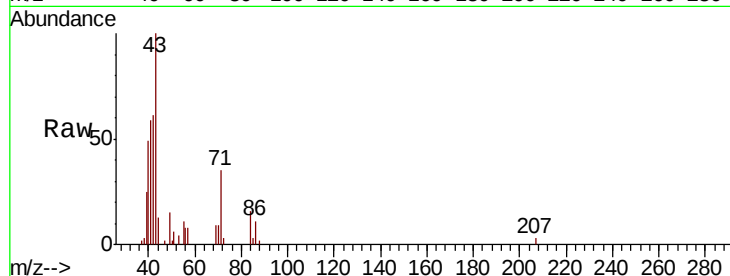




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

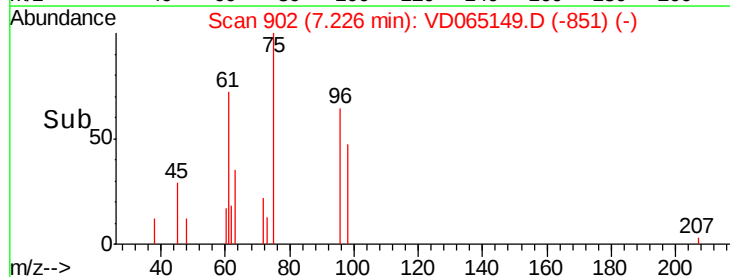
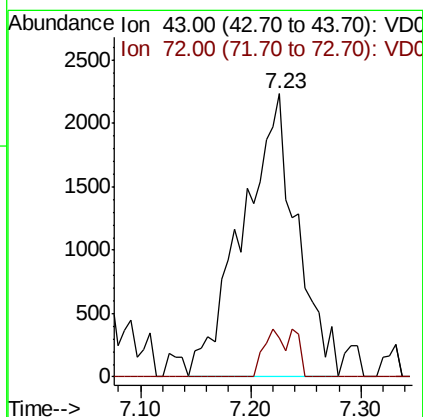
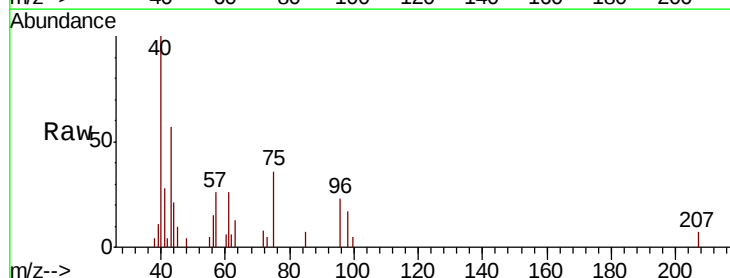
Instrument :
MSVOA_D
ClientSampleId :

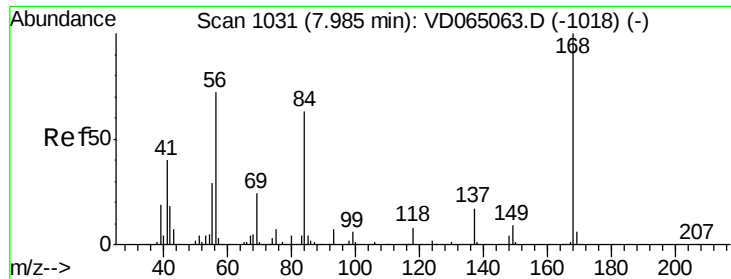
Tot Ion: 84 Resp: 2577
Ion Ratio Lower Upper
84 100
49 91.4 100.4 150.6#
51 36.3 32.7 49.1
86 45.0 52.4 78.6#



#25
2-Butanone
Concen: 6.026 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 7641
Ion Ratio Lower Upper
43 100
72 13.8 19.9 29.9#

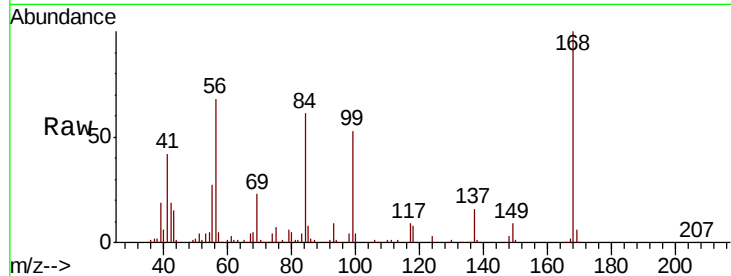




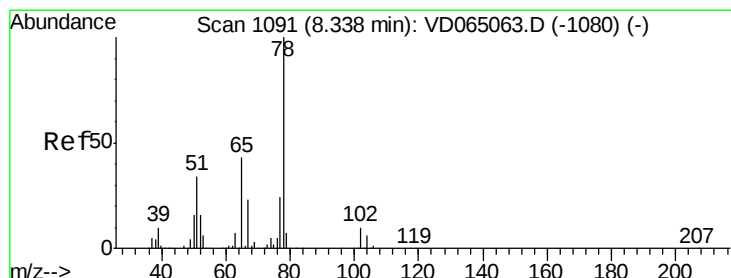
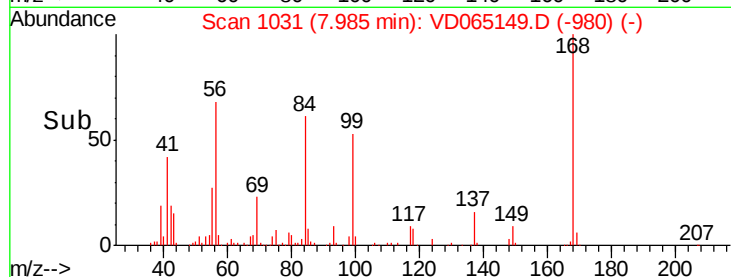
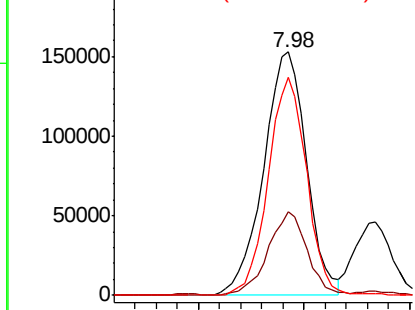
#31
Cvclohexane
Concen: 50.942 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 430864
Ion Ratio Lower Upper
56 100
69 33.8 26.6 40.0
84 89.3 70.6 106.0

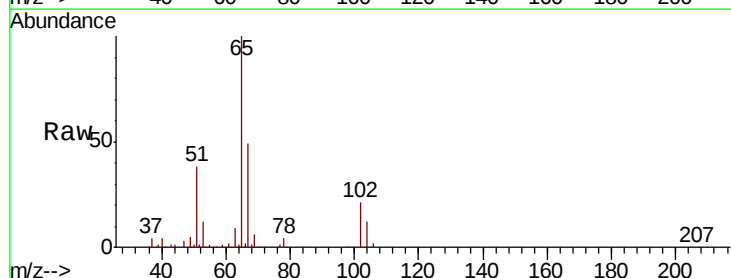


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

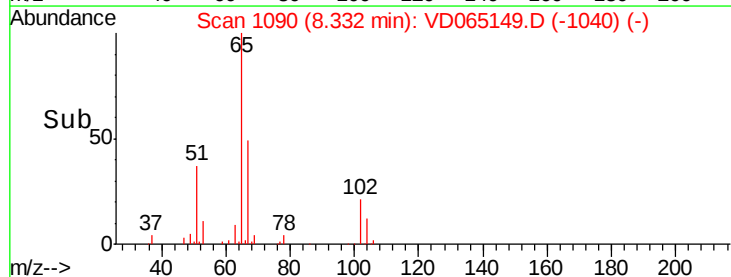
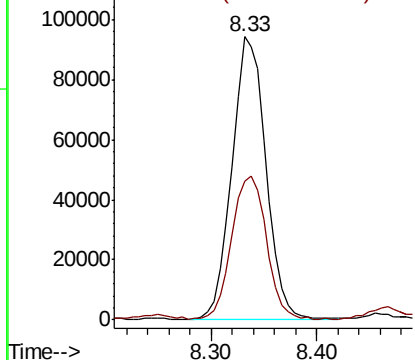


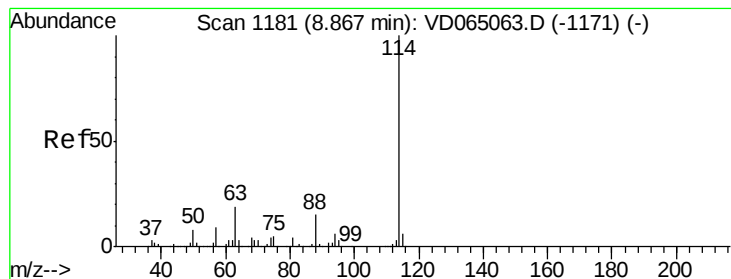
#33
1,2-Dichloroethane-d4
Concen: 49.537 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 65 Resp: 210616
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampled :

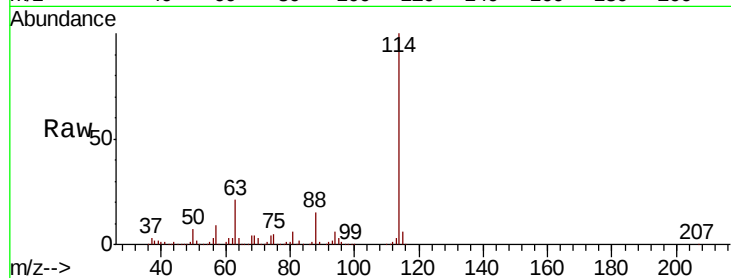
Tot Ion:114 Resp: 773471

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.8

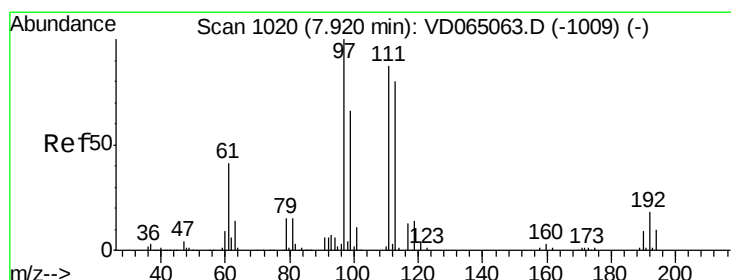
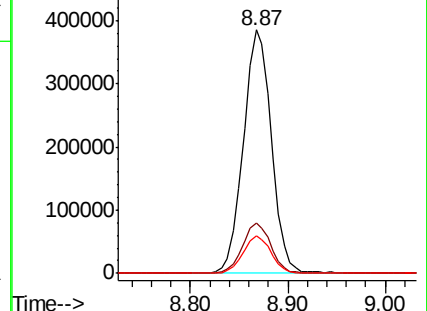
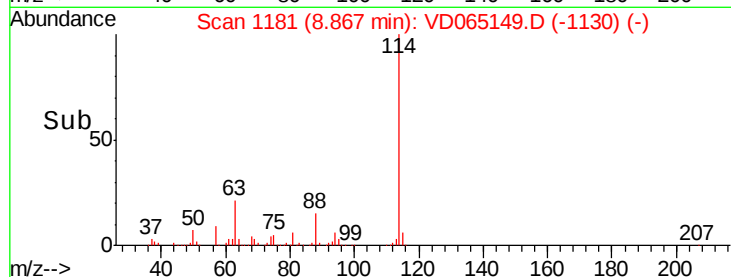
88 15.2 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 53.658 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

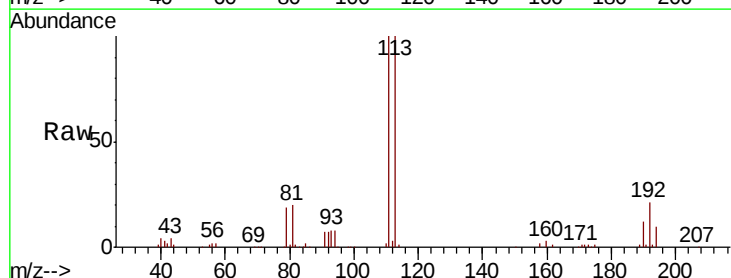
Tgt Ion:113 Resp: 231560

Ion Ratio Lower Upper

113 100

111 101.4 83.1 124.7

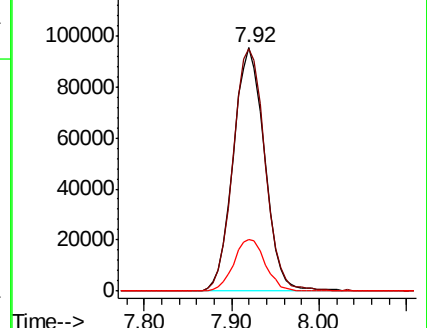
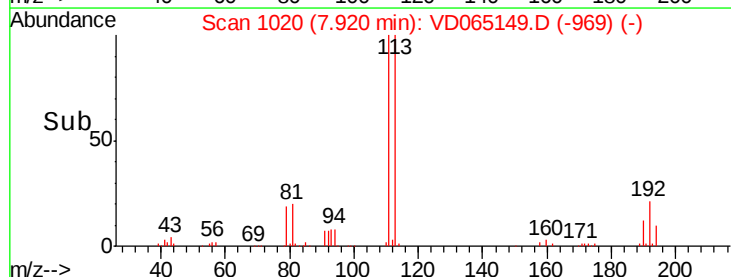
192 21.4 18.1 27.1

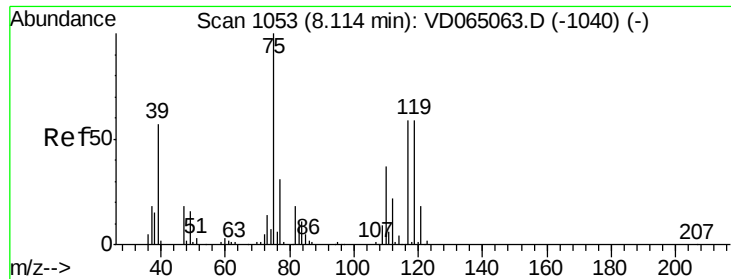


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

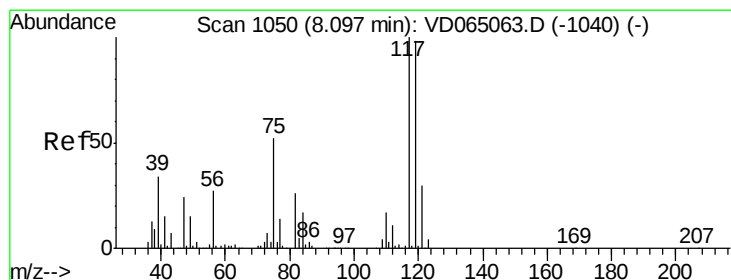
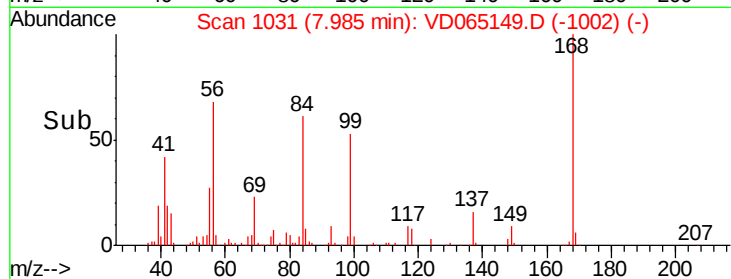
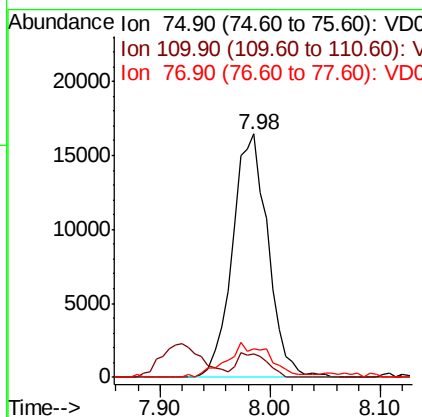
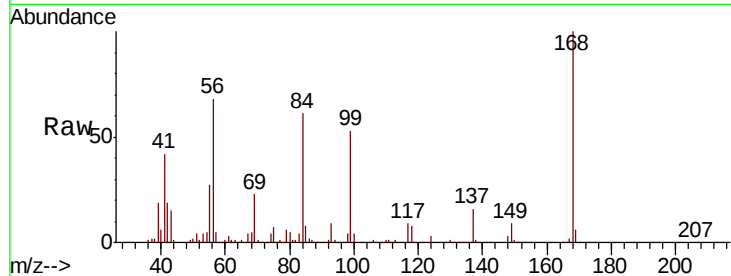




#36
 1,1-Dichloropropene
 Concen: 5.158 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

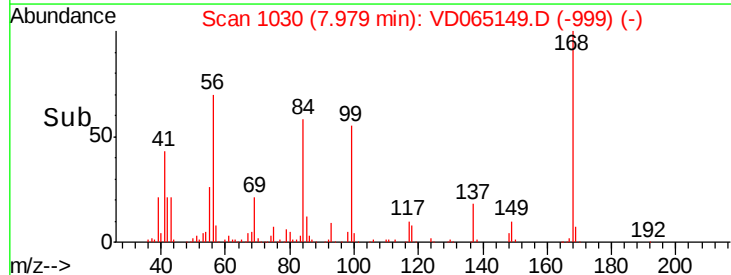
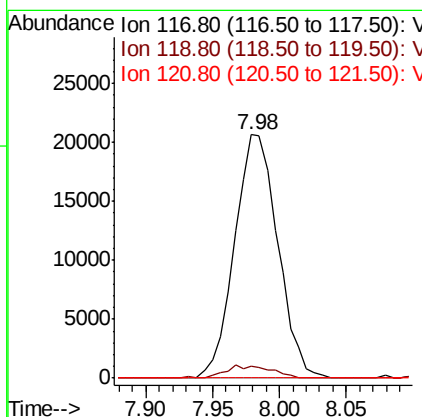
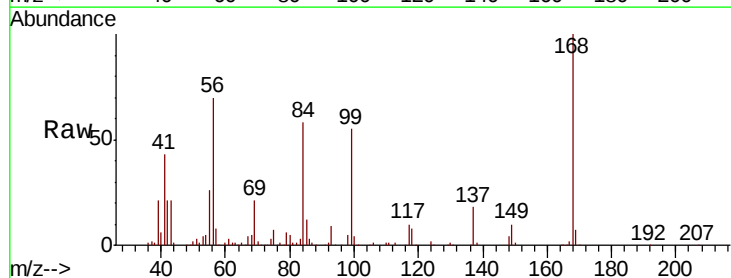
Instrument :
 MSVOA_D
 ClientSampleId :

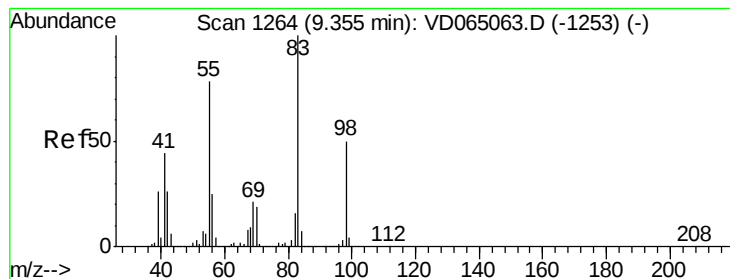
Tot Ion: 75 Resp: 37100
 Ion Ratio Lower Upper
 75 100
 110 8.5 18.1 54.3#
 77 17.2 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.296 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion: 117 Resp: 46247
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.5 117.7#
 121 0.0 23.8 35.6#





#39

Methvlcvclohexane

Concen: 237.118 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

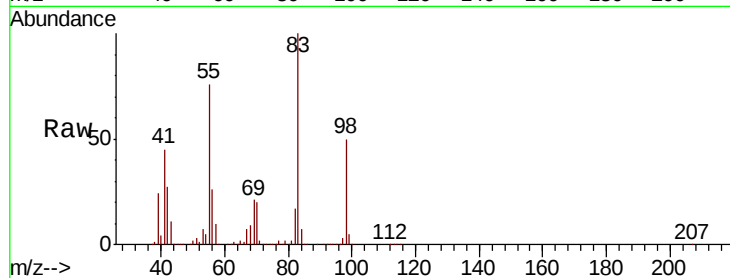
Tot Ion: 83 Resp: 2104988

Ion Ratio Lower Upper

83 100

55 76.3 62.0 93.0

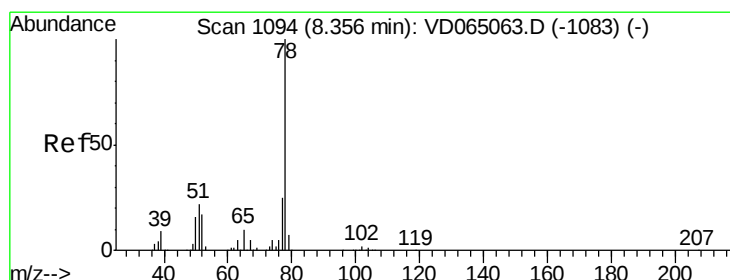
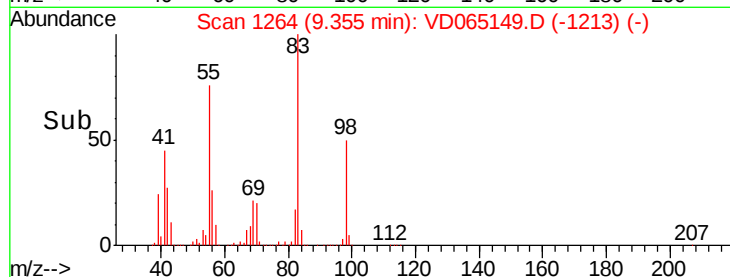
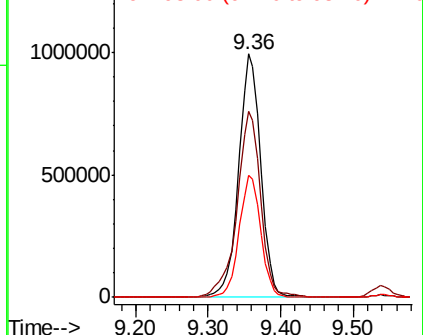
98 50.1 39.9 59.9



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: 1.289 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD065149.D

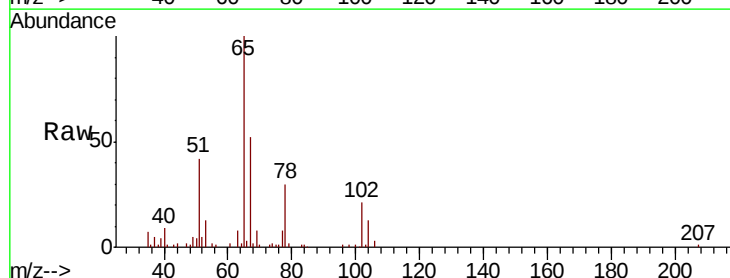
Acq: 11 Feb 2020 17:34

Tgt Ion: 78 Resp: 25593

Ion Ratio Lower Upper

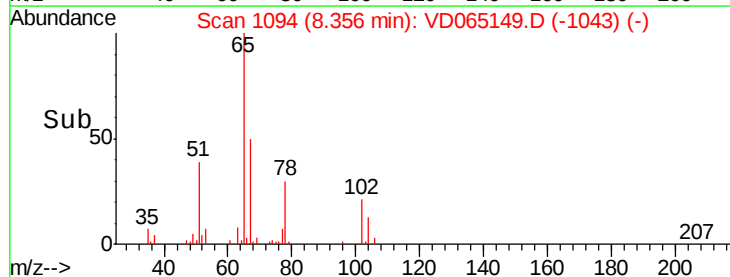
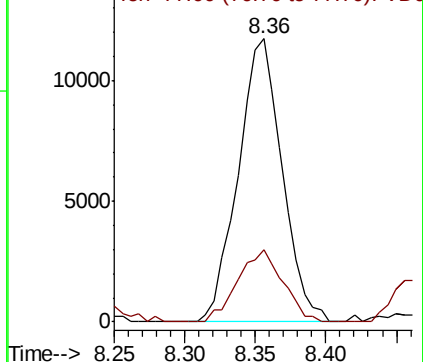
78 100

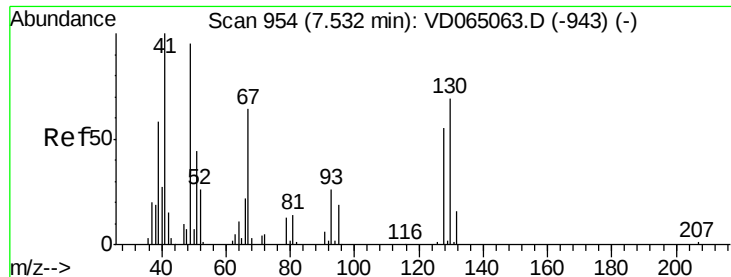
77 25.4 19.6 29.4



Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

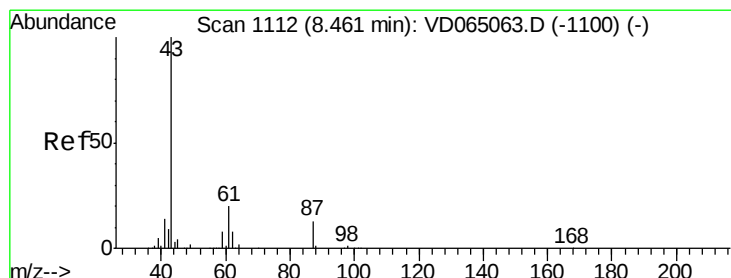
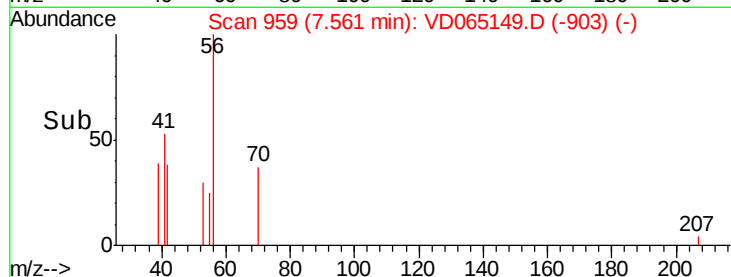
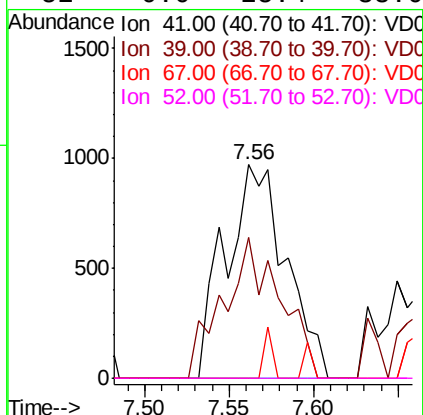
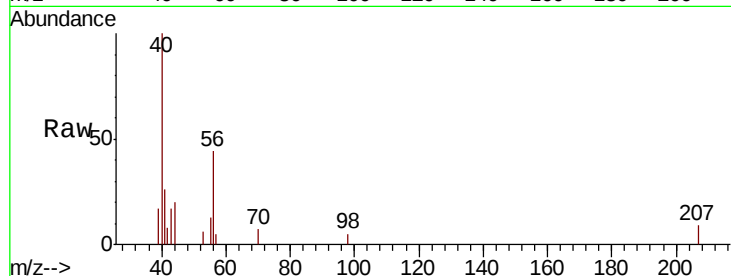




#41
Methacrylonitrile
Concen: 1.500 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.03 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

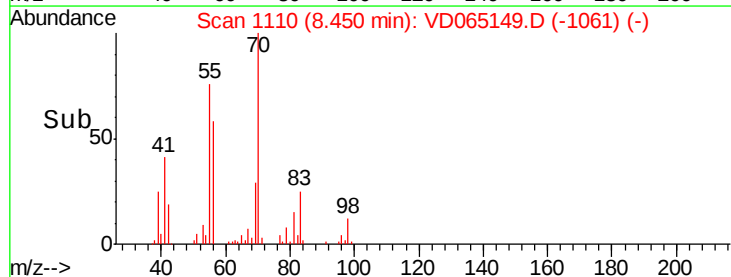
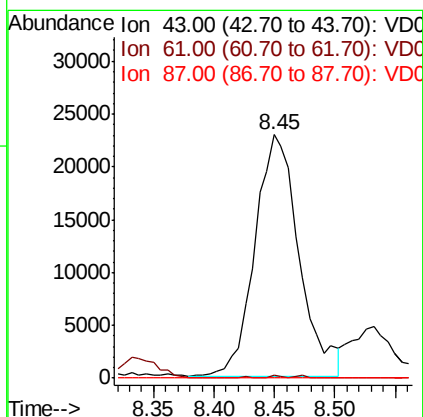
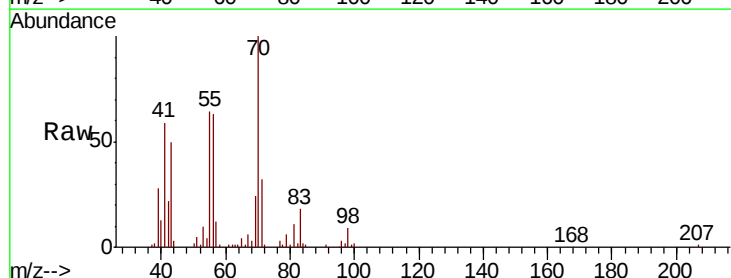
Instrument :
MSVOA_D
ClientSampled :

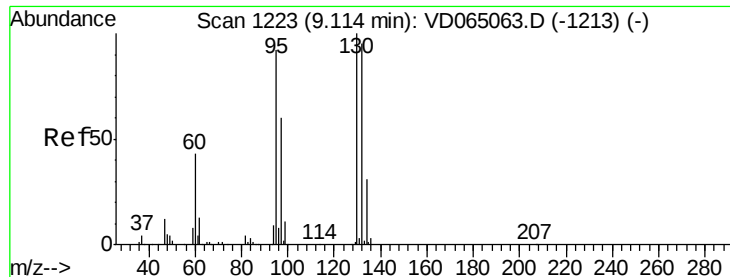
Tot Ion: 41 Resp: 2428
Ion Ratio Lower Upper
41 100
39 62.2 55.4 83.0
67 0.0 59.0 88.6#
52 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 10.257 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 57650
Ion Ratio Lower Upper
43 100
61 0.3 24.0 36.0#
87 0.0 10.2 15.4#





#44

Trichloroethene

Concen: 1.304 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

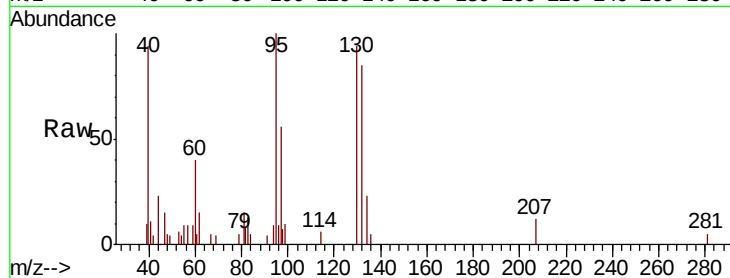
ClientSampleId :

Tot Ion:130 Resp: 7432

Ion Ratio Lower Upper

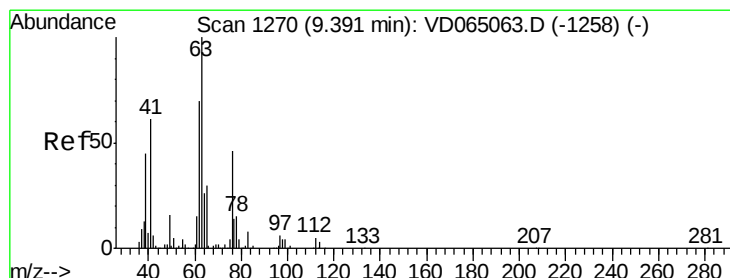
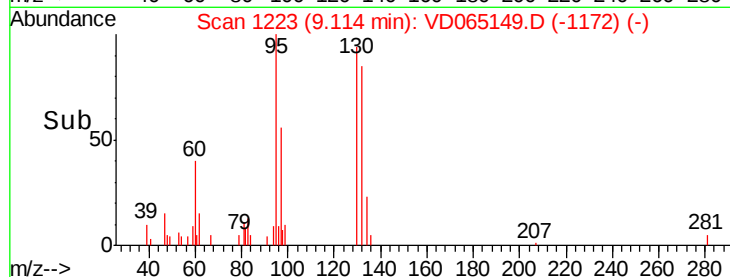
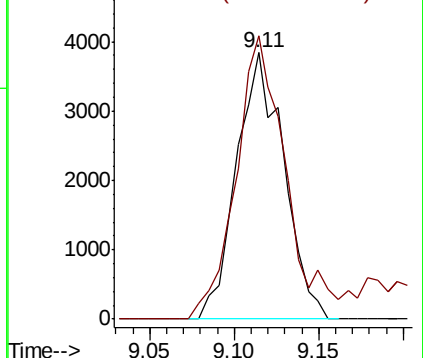
130 100

95 106.3 0.0 185.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#45

1,2-Dichloropropane

Concen: 4.486 ug/l

RT: 9.36 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VD065149.D

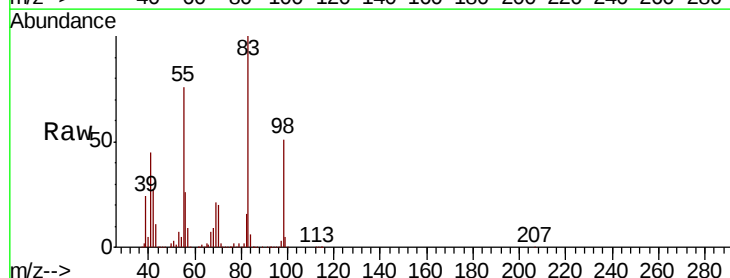
Acq: 11 Feb 2020 17:34

Tgt Ion: 63 Resp: 21364

Ion Ratio Lower Upper

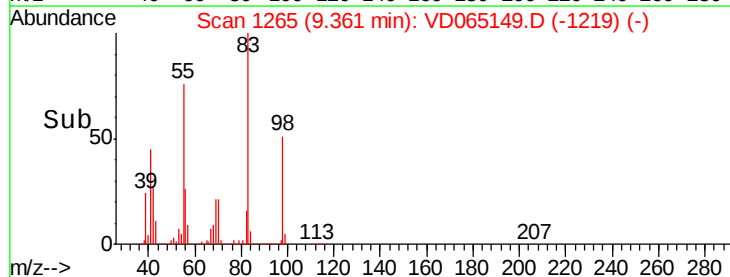
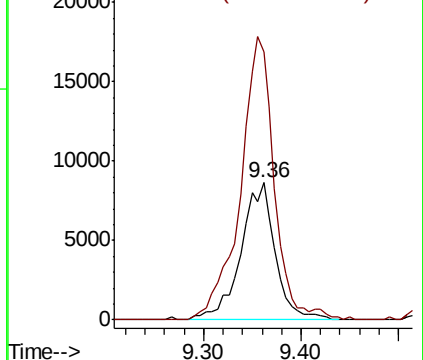
63 100

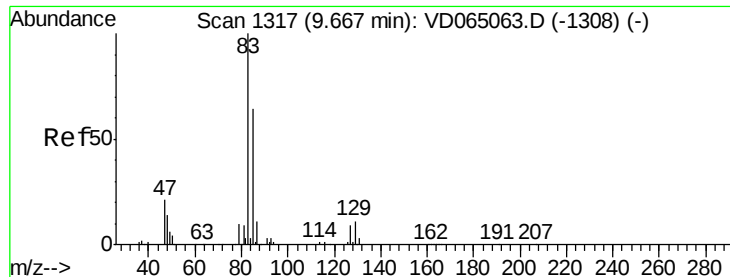
65 195.4 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC





#47

Bromodichloromethane

Concen: 3.630 ug/l

RT: 9.77 min Scan# 1335

Delta R.T. 0.11 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

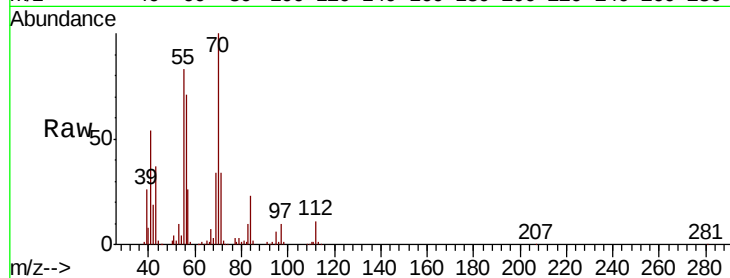
Tot Ion: 83 Resp: 23936

Ion Ratio Lower Upper

83 100

85 15.5 51.0 76.6#

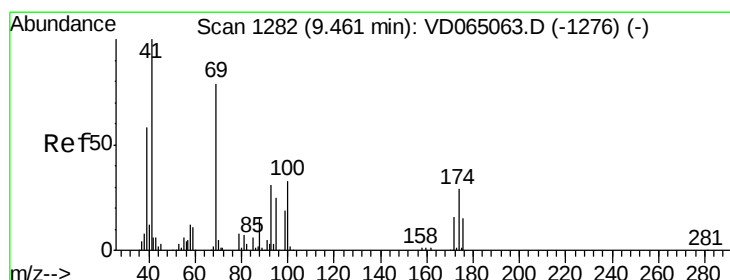
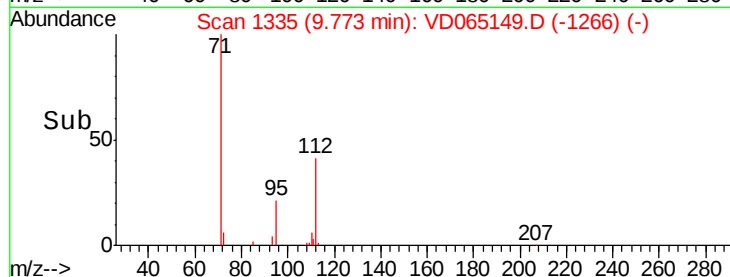
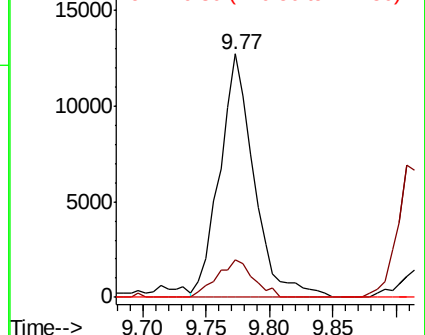
127 0.0 7.3 10.9#



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: 42.001 ug/l

RT: 9.54 min Scan# 1295

Delta R.T. 0.08 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

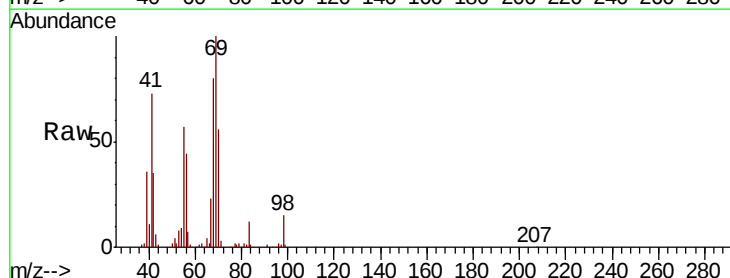
Tgt Ion: 41 Resp: 113599

Ion Ratio Lower Upper

41 100

69 140.7 67.5 101.3#

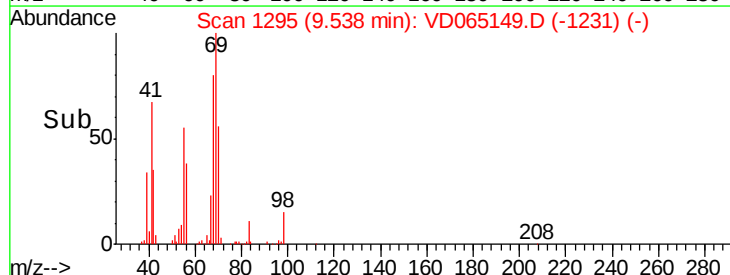
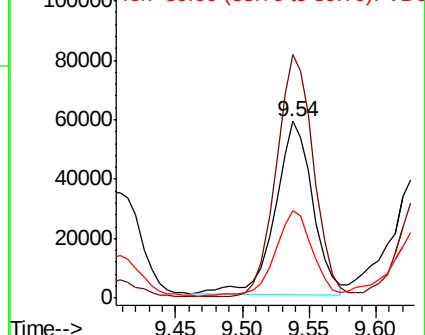
39 51.2 47.0 70.4

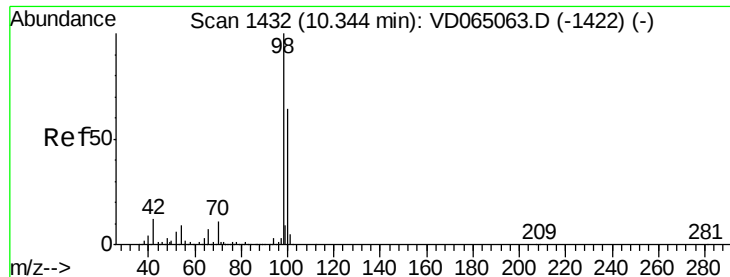


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

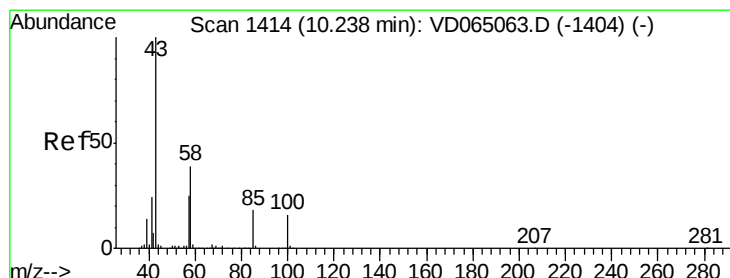
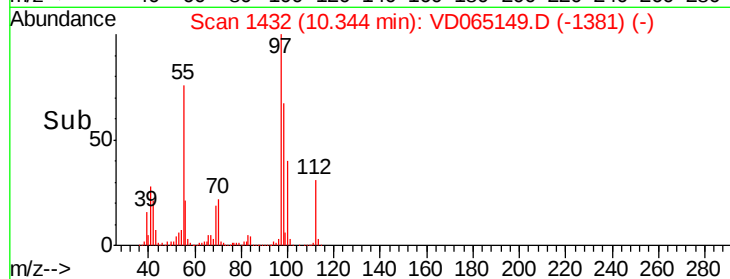
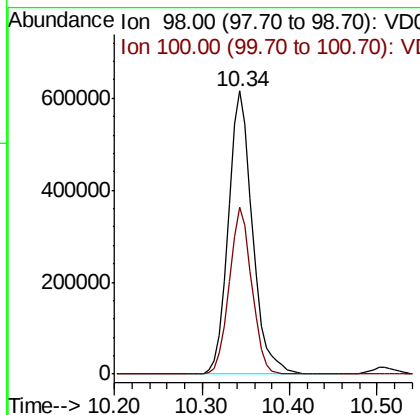
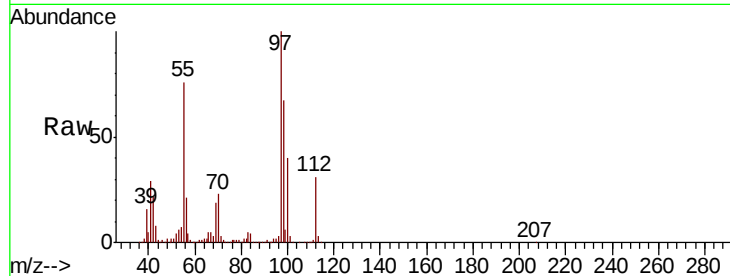




#50
Toluene-d8
Concen: 67.249 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

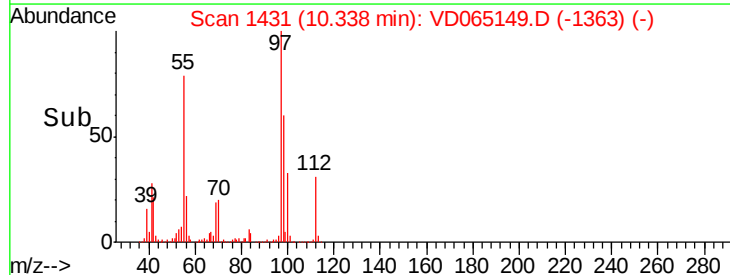
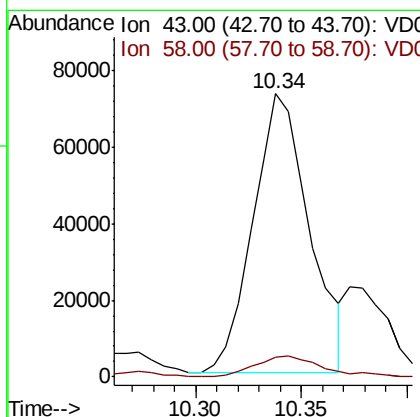
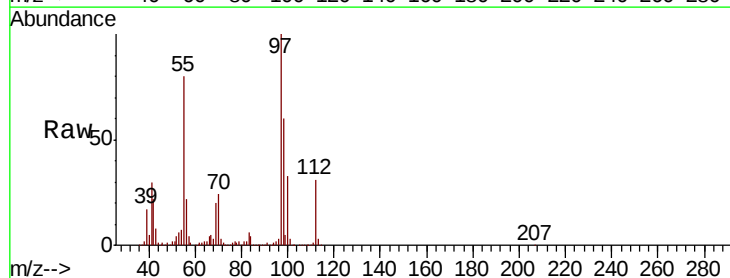
Instrument :
MSVOA_D
ClientSampleId :

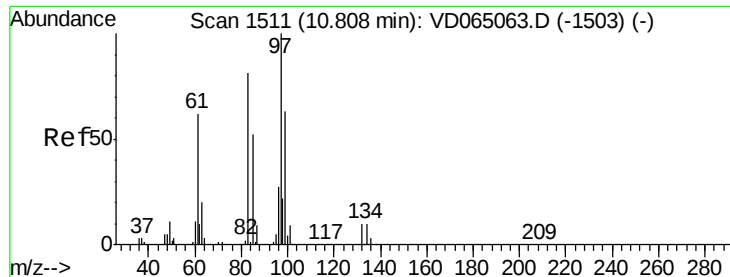
Tot Ion: 98 Resp: 1155137
Ion Ratio Lower Upper
98 100
100 54.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 49.230 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.10 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 136198
Ion Ratio Lower Upper
43 100
58 8.9 30.2 45.2#

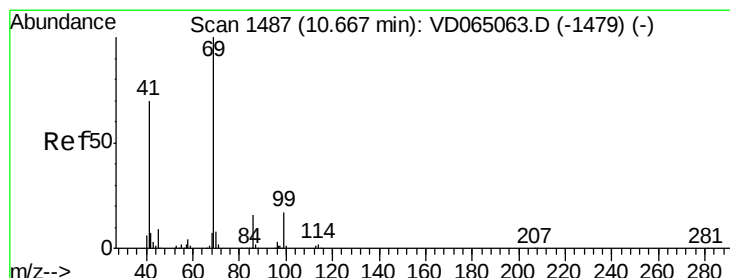
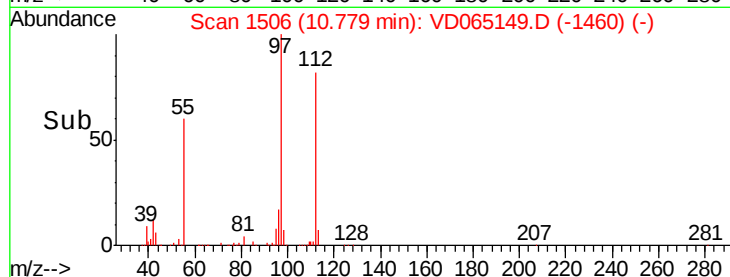
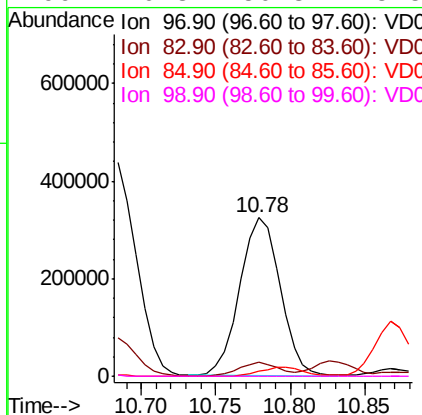
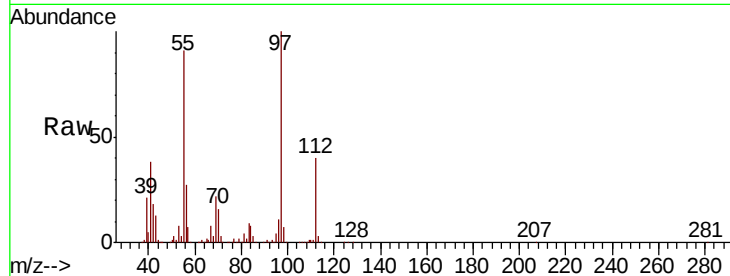




#55
 1,1,2-Trichloroethane
 Concen: 177.146 ug/l
 RT: 10.78 min Scan# 1506
 Delta R.T. -0.03 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

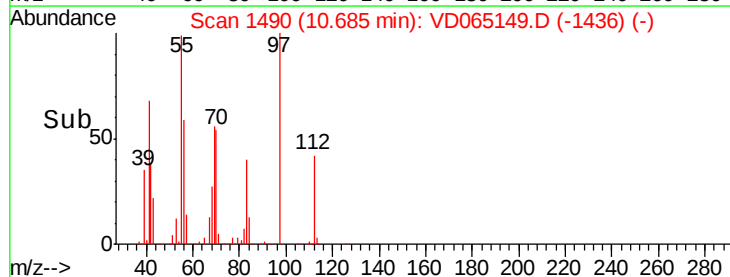
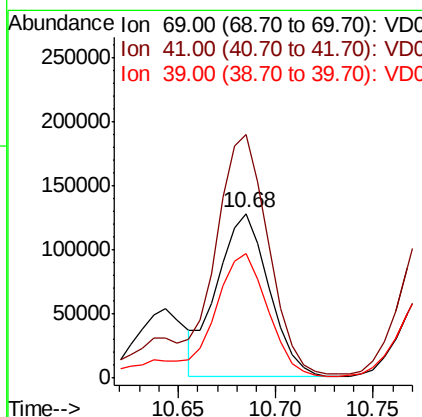
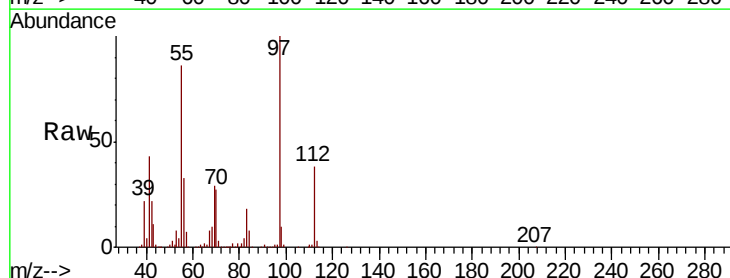
Instrument :
 MSVOA_D
 ClientSampleId :

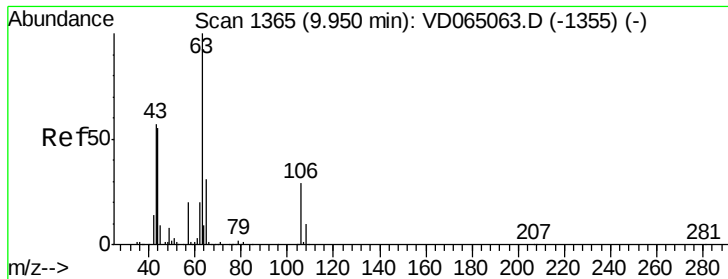
Tot Ion	Ratio	Lower	Upper
97	100		
83	9.1	64.8	97.2#
85	3.0	41.2	61.8#
99	0.3	50.3	75.5#



#56
 Ethyl methacrylate
 Concen: 53.538 ug/l
 RT: 10.68 min Scan# 1490
 Delta R.T. 0.02 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	174.0	55.9	83.9#
39	87.5	29.4	44.0#

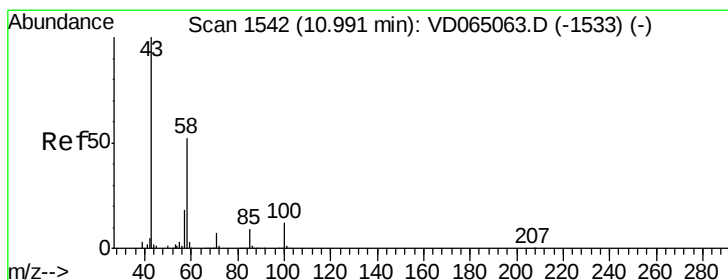
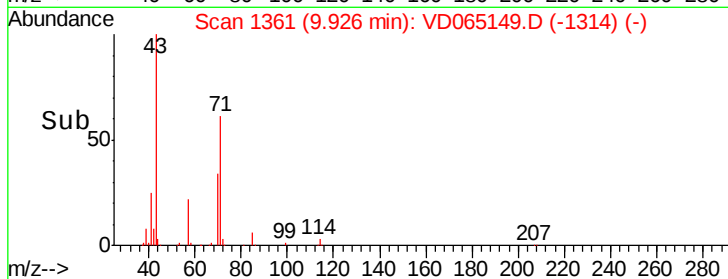
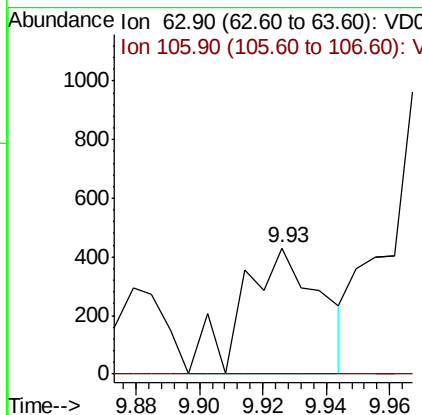
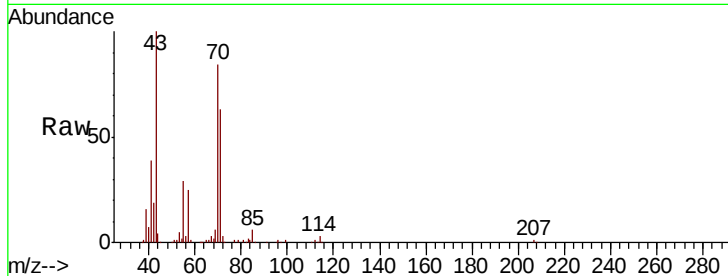




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.93 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

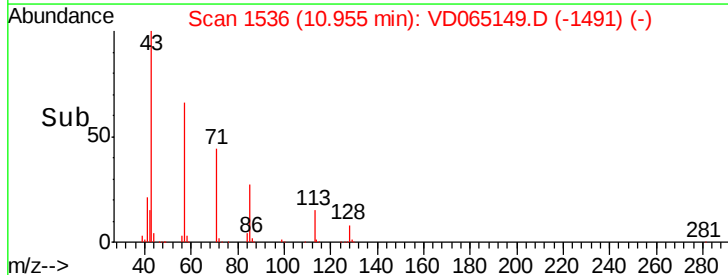
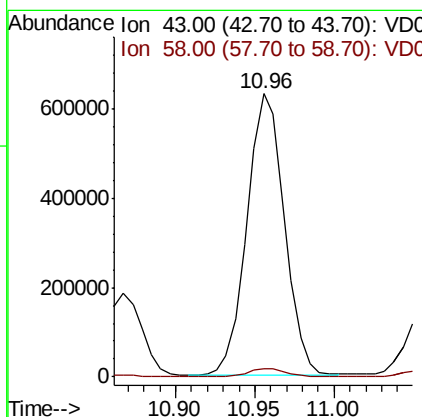
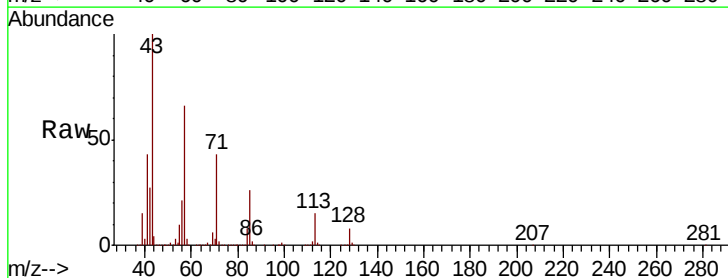
Instrument :
MSVOA_D
ClientSampleId :

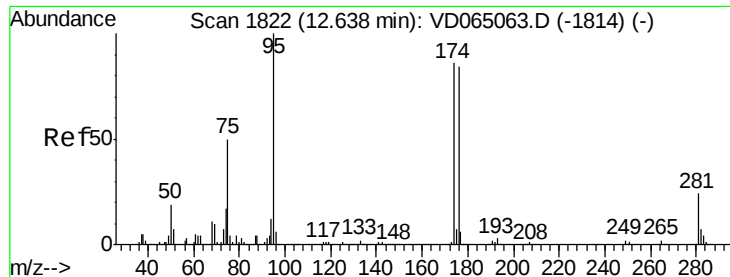
Tot Ion: 63 Resp: 737
Ion Ratio Lower Upper
63 100
106 0.0 23.3 34.9#



#59
2-Hexanone
Concen: 529.607 ug/l
RT: 10.96 min Scan# 1536
Delta R.T. -0.04 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 1037832
Ion Ratio Lower Upper
43 100
58 3.1 26.2 78.6#

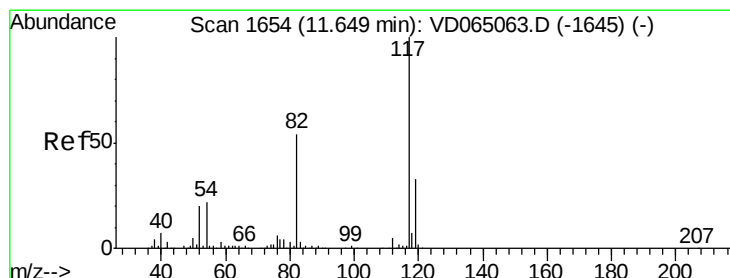
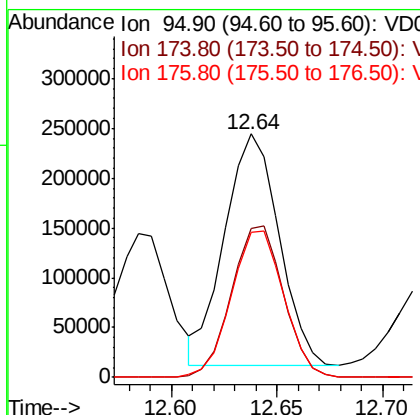
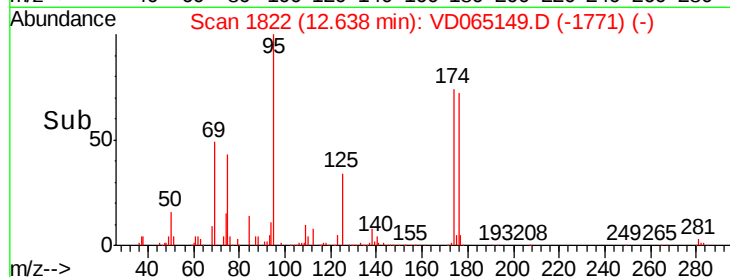
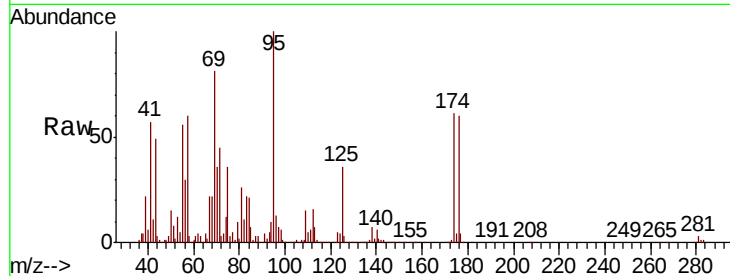




#62
4-Bromofluorobenzene
Concen: 75.964 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

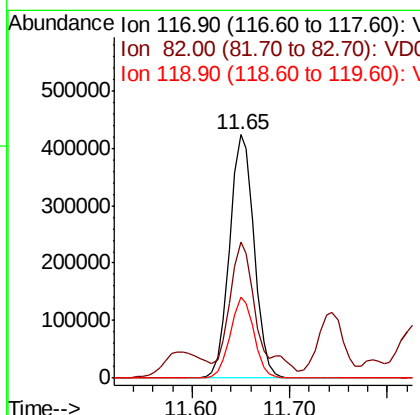
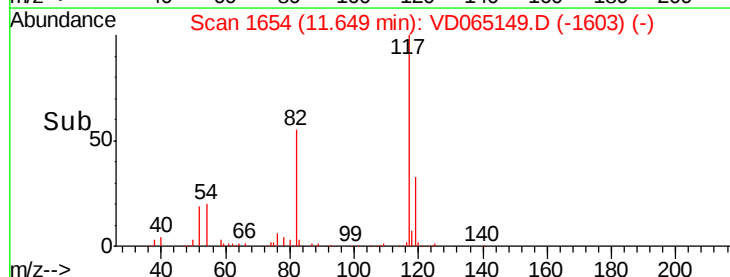
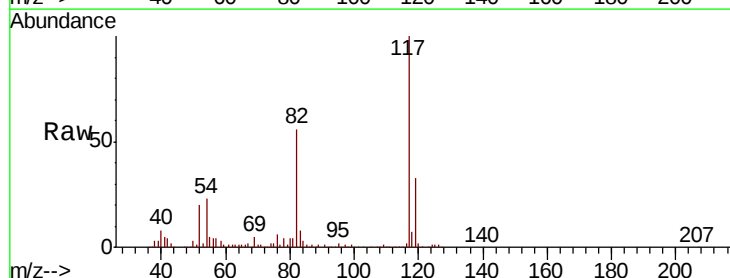
Instrument :
MSVOA_D
ClientSampled :

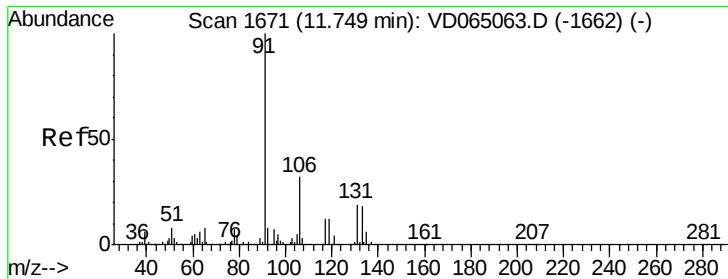
Tot Ion: 95 Resp: 413452
Ion Ratio Lower Upper
95 100
174 63.0 0.0 180.0
176 61.6 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 117 Resp: 736713
Ion Ratio Lower Upper
117 100
82 45.8 43.1 64.7
119 33.1 26.0 39.0





#67

Ethyl Benzene

Concen: 43.868 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

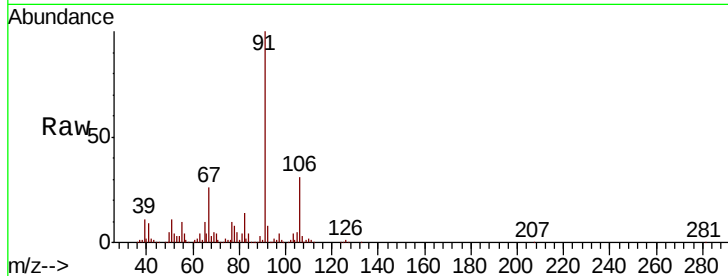
ClientSampleId :

Tot Ion: 91 Resp: 1135639

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VD065149.D (-1670) (-)

Ion 106.00 (105.70 to 106.70): VD065149.D (-1670) (-)

11.75

800000

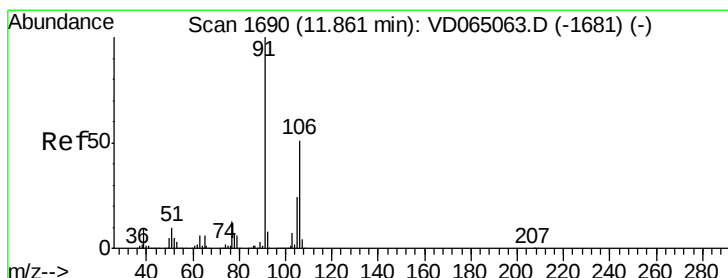
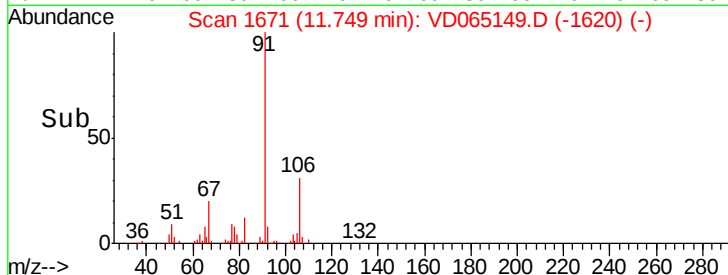
600000

400000

200000

0

Time-->



#68

m/p-Xylenes

Concen: 35.477 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.11 min

Lab File: VD065149.D

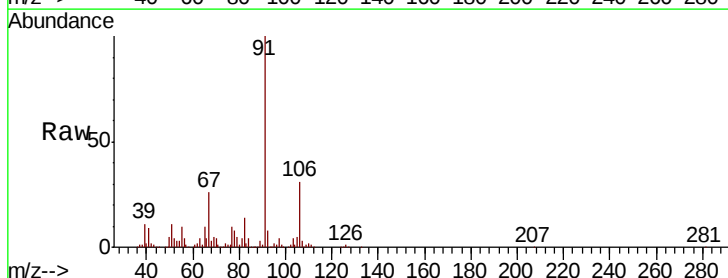
Acq: 11 Feb 2020 17:34

Tgt Ion: 106 Resp: 350539

Ion Ratio Lower Upper

106 100

91 324.0 158.9 238.3#



Abundance Ion 106.00 (105.70 to 106.70): VD065149.D (-1639) (-)

Ion 91.00 (90.70 to 91.70): VD065149.D (-1639) (-)

11.75

800000

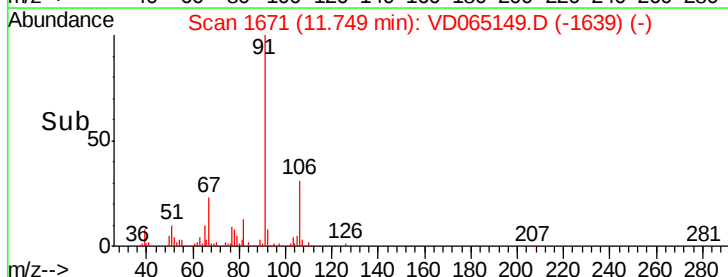
600000

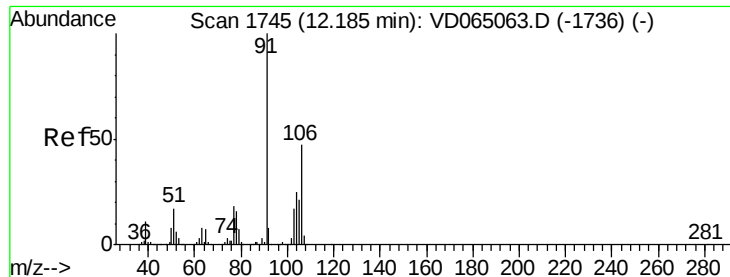
400000

200000

0

Time-->

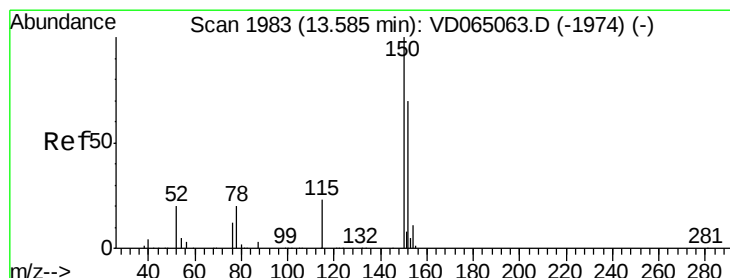
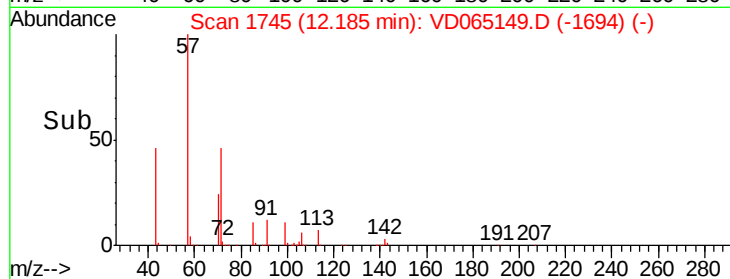
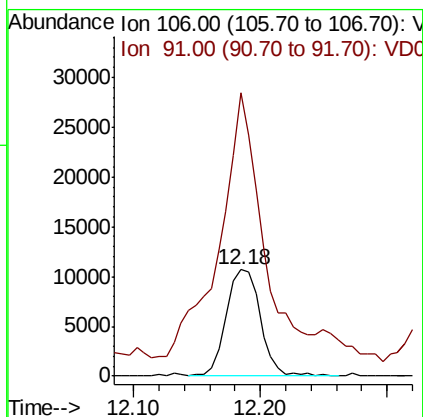
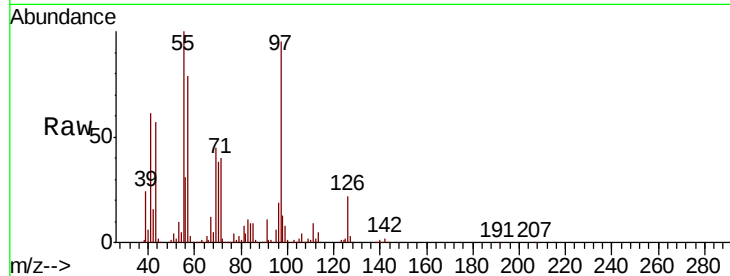




#69
o-Xylene
Concen: 2.258 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

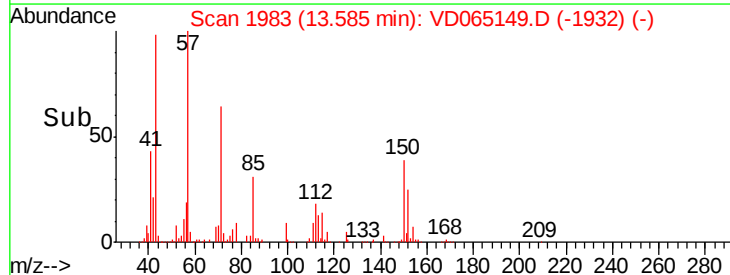
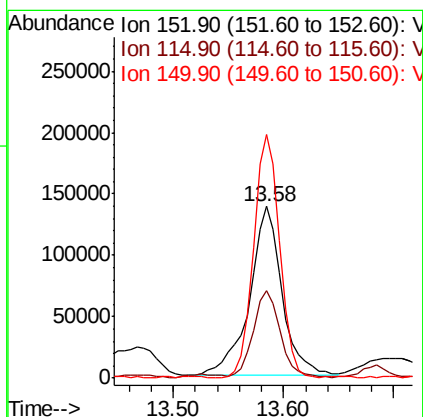
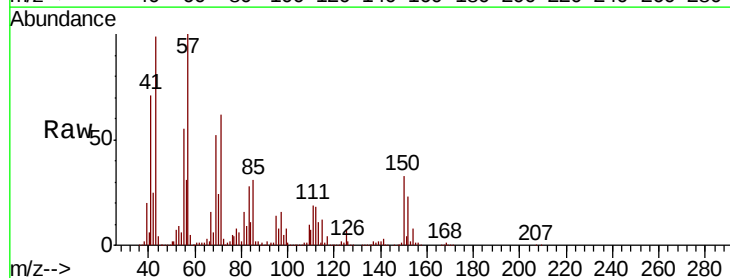
Instrument :
MSVOA_D
ClientSampleID :

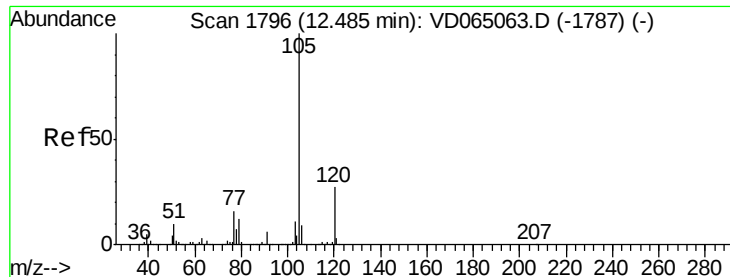
Tot Ion:106 Resp: 20088
Ion Ratio Lower Upper
106 100
91 310.6 104.7 313.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion:152 Resp: 284500
Ion Ratio Lower Upper
152 100
115 41.8 27.5 82.4
150 114.8 0.0 343.2





#73

Isopropylbenzene

Concen: 50.742 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

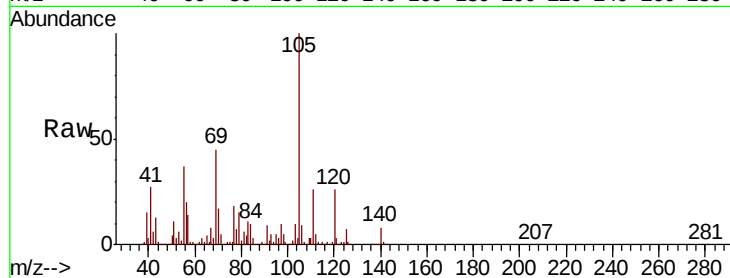
ClientSampleId :

Tot Ion:105 Resp: 990831

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

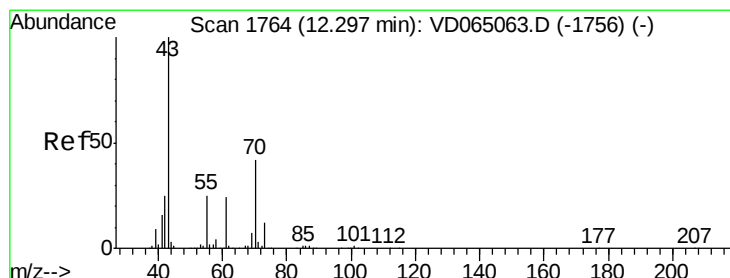
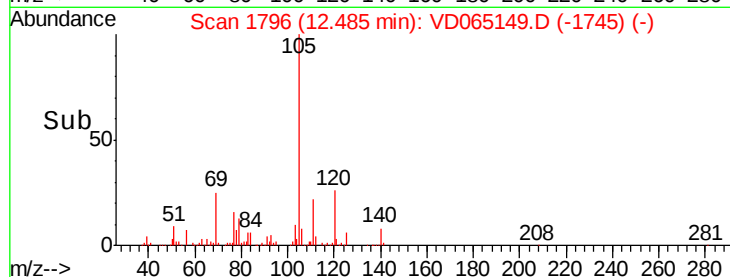
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 346.796 ug/l

RT: 12.28 min Scan# 1761

Delta R.T. -0.02 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Tgt Ion: 43 Resp: 1471905

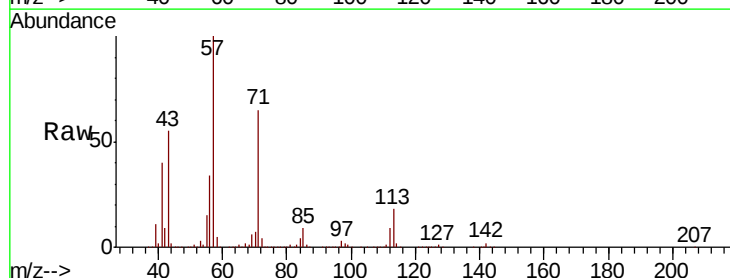
Ion Ratio Lower Upper

43 100

70 16.5 33.5 50.3#

55 13.9 19.4 29.2#

61 0.0 18.6 28.0#



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

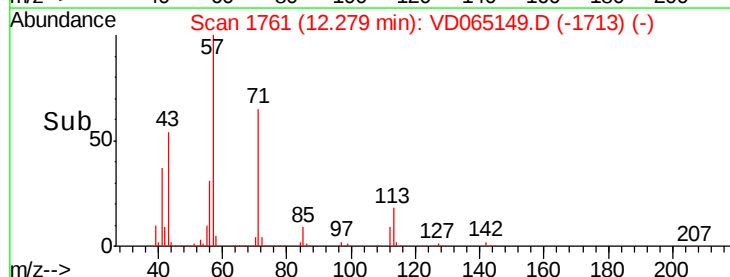
1500000

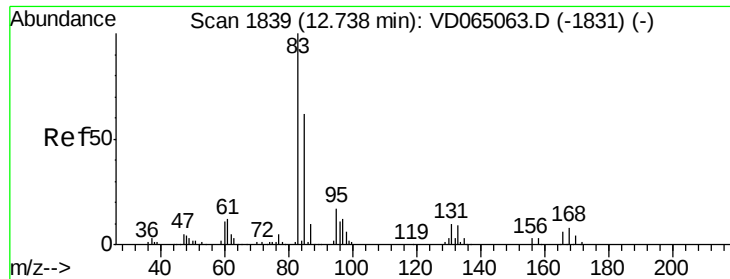
1000000

500000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 32.275 ug/l

RT: 12.71 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

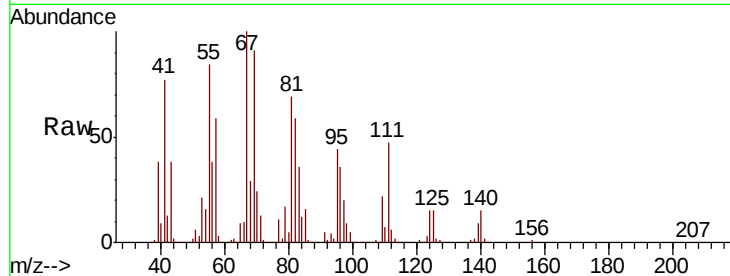
Tot Ion: 83 Resp: 99190

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

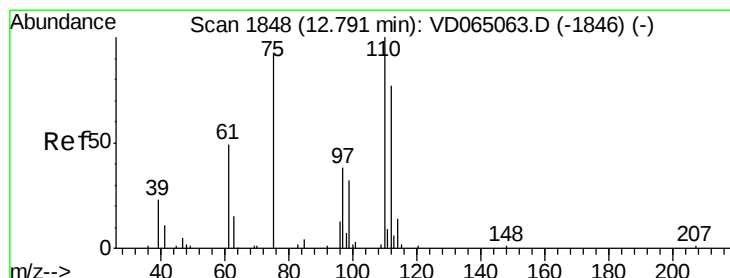
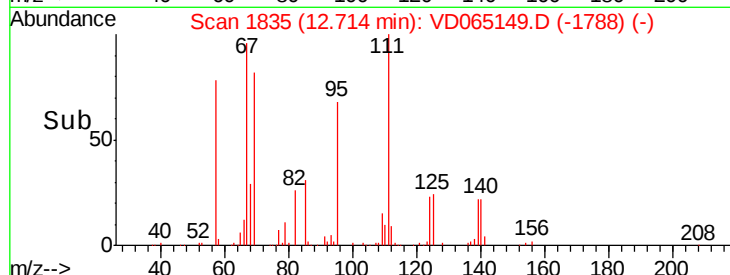
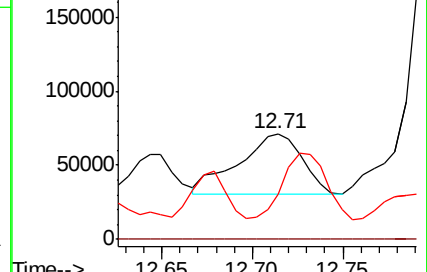
85 76.4 31.8 95.4



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: 5.195 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.04 min

Lab File: VD065149.D

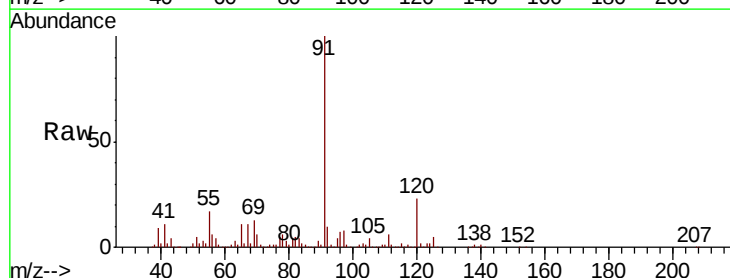
Acq: 11 Feb 2020 17:34

Tgt Ion: 75 Resp: 11189

Ion Ratio Lower Upper

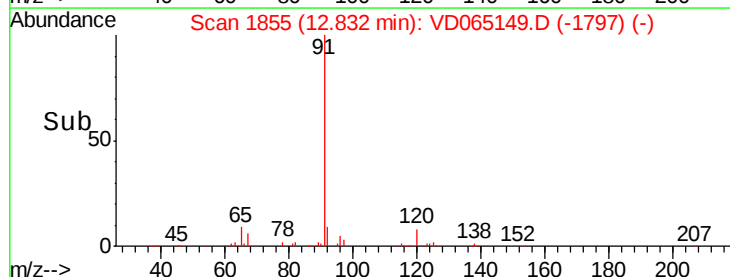
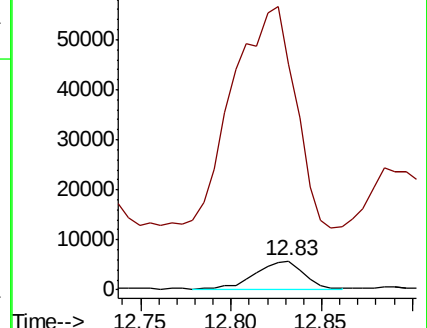
75 100

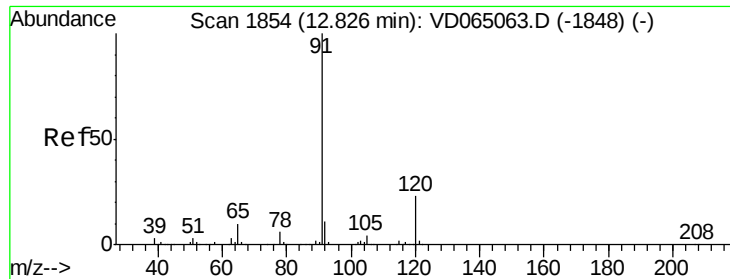
77 1046.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#78

n-propylbenzene

Concen: 69.945 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

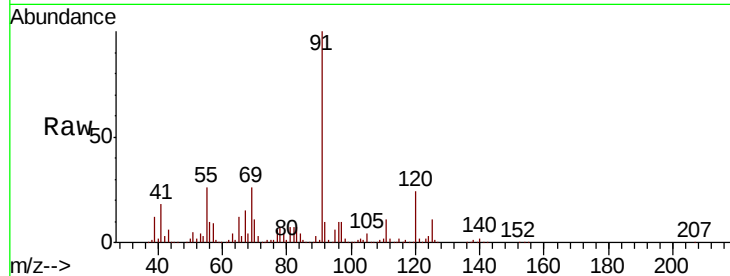
ClientSampled :

Tot Ion: 91 Resp: 1599492

Ion Ratio Lower Upper

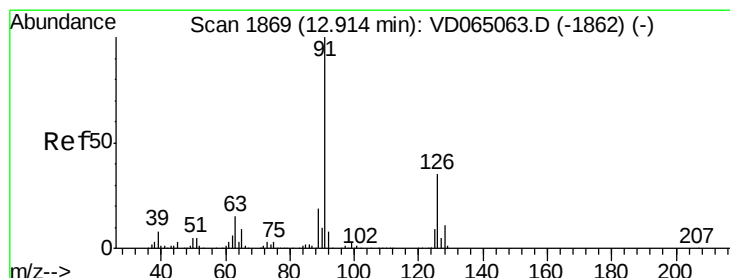
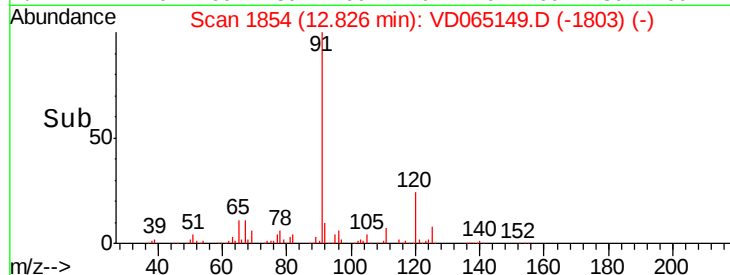
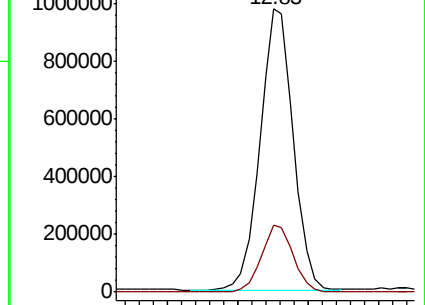
91 100

120 23.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 125.482 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.09 min

Lab File: VD065149.D

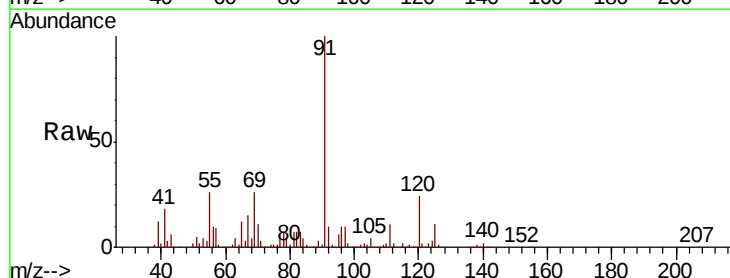
Acq: 11 Feb 2020 17:34

Tgt Ion: 91 Resp: 1599492

Ion Ratio Lower Upper

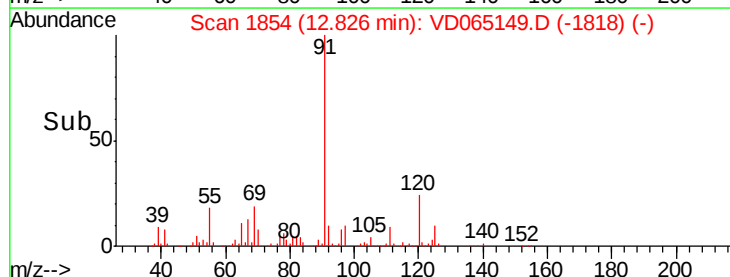
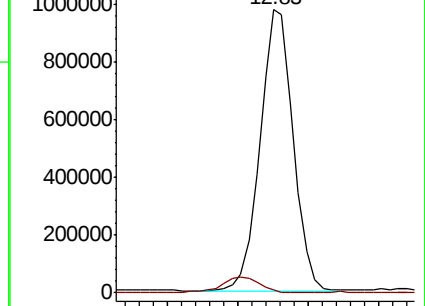
91 100

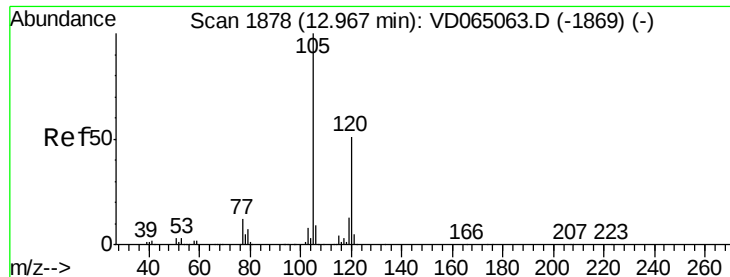
126 0.0 17.4 52.3#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

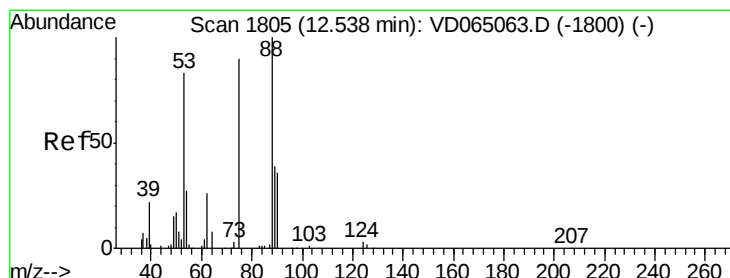
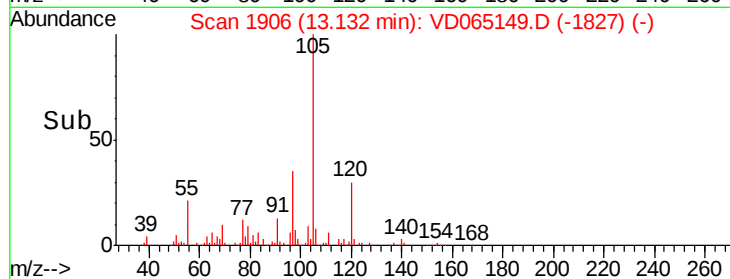
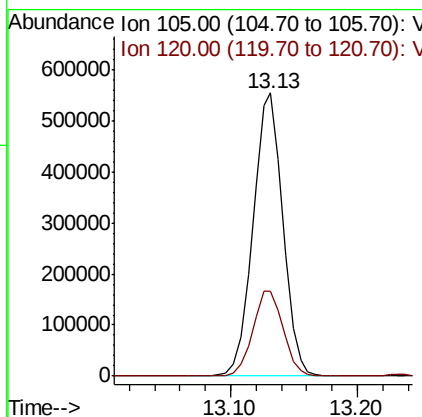
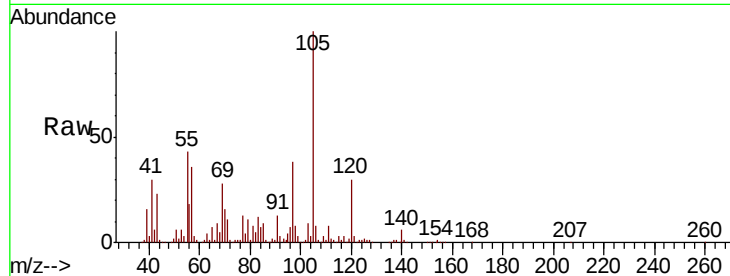




#80
 1,3,5-Trimethylbenzene
 Concen: 56.310 ug/l
 RT: 13.13 min Scan# 1906
 Delta R.T. 0.16 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

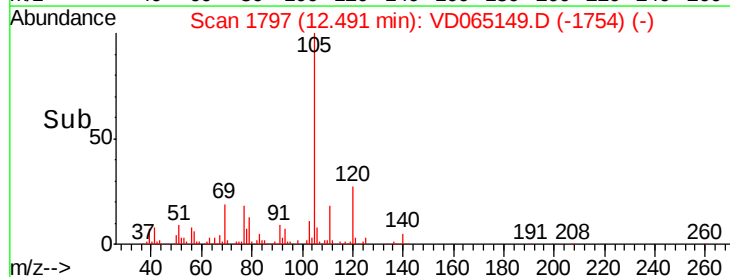
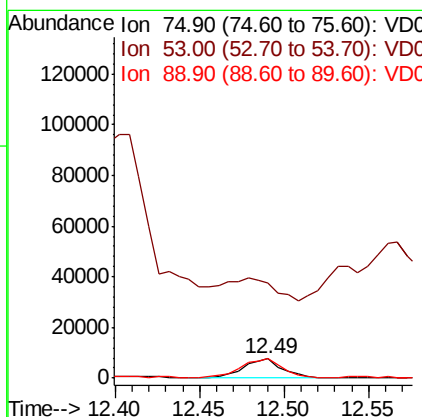
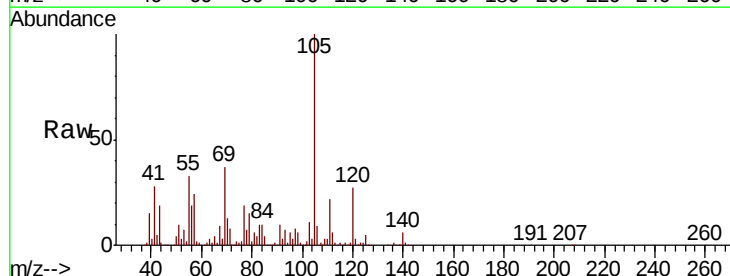
Instrument :
 MSVOA_D
 ClientSampleId :

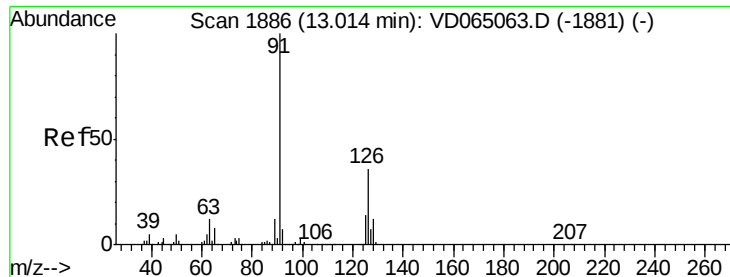
Tot Ion:105 Resp: 899564
 Ion Ratio Lower Upper
 105 100
 120 31.0 25.1 75.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 10.545 ug/l
 RT: 12.49 min Scan# 1797
 Delta R.T. -0.05 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion: 75 Resp: 11357
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 111.7 37.0 55.4#





#82

4-Chlorotoluene

Concen: 8.990 ug/l

RT: 13.13 min Scan# 1906

Delta R.T. 0.12 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

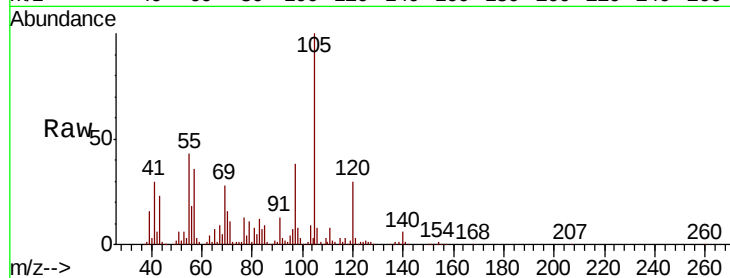
ClientSampleId :

Tot Ion: 91 Resp: 120358

Ion Ratio Lower Upper

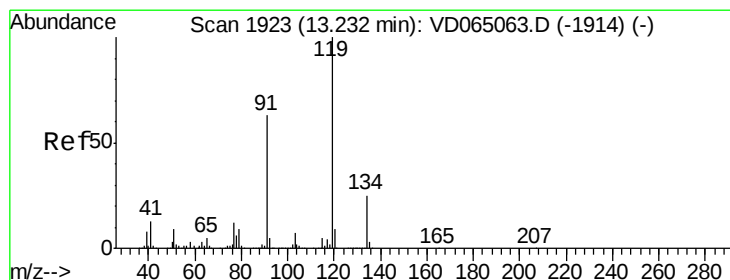
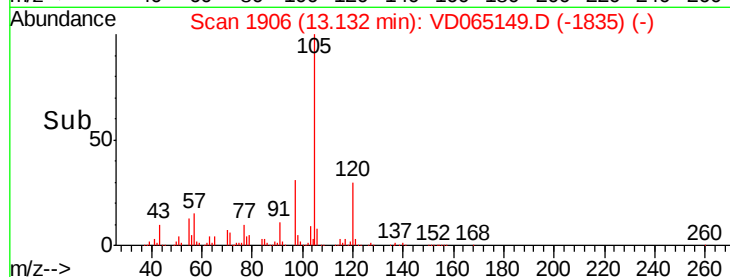
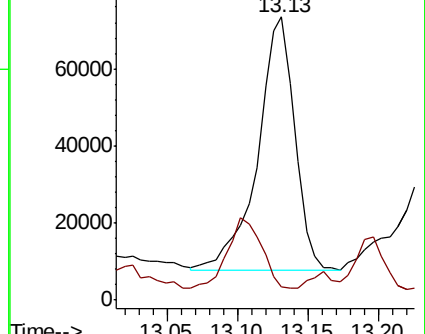
91 100

126 0.0 17.5 52.5#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): VDC



#83

tert-Butylbenzene

Concen: 4.198 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

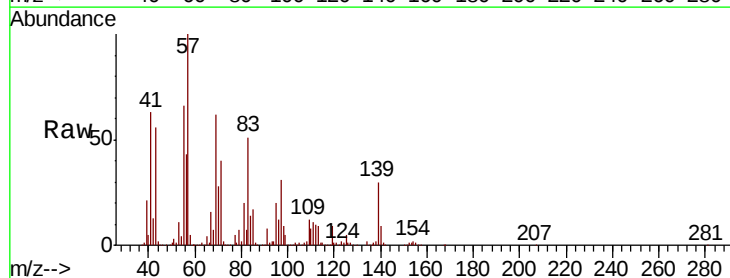
Tgt Ion: 119 Resp: 57862

Ion Ratio Lower Upper

119 100

91 88.2 32.3 96.9

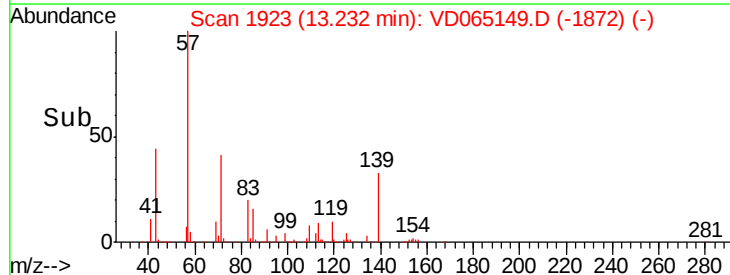
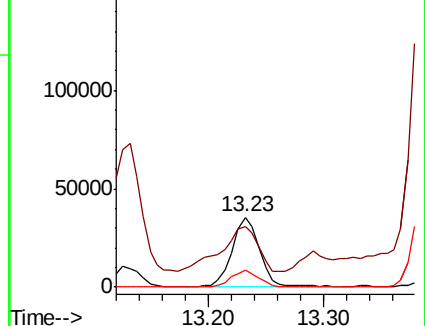
134 24.9 13.8 41.3

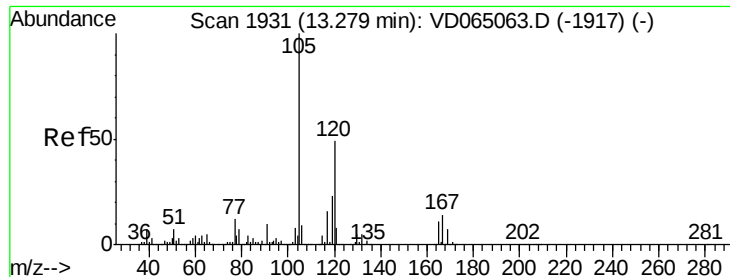


Abundance Ion 119.00 (118.70 to 119.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

Ion 134.00 (133.70 to 134.70): VDC

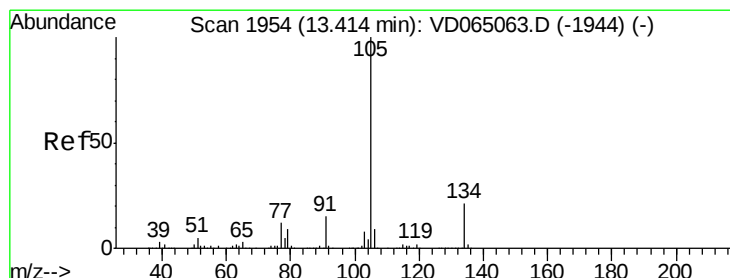
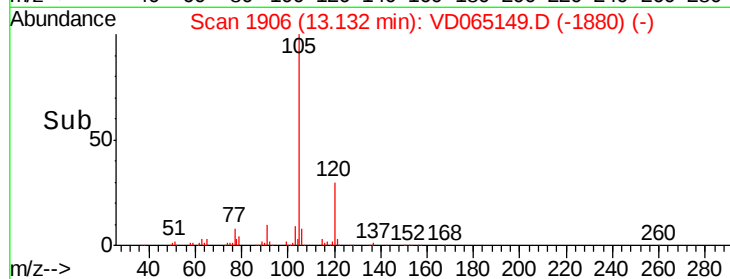
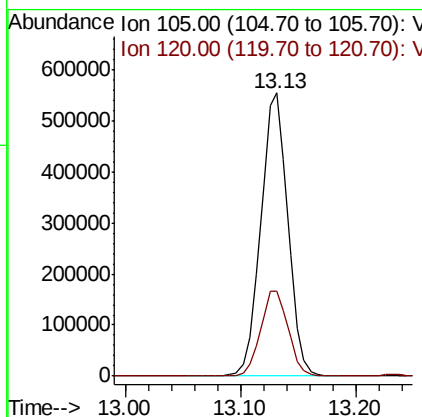
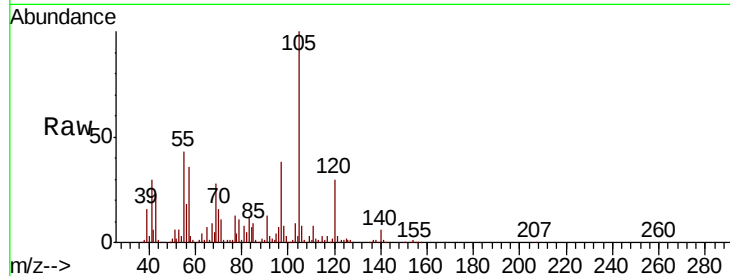




#84
 1,2,4-Trimethylbenzene
 Concen: 56.793 ug/l
 RT: 13.13 min Scan# 1906
 Delta R.T. -0.15 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

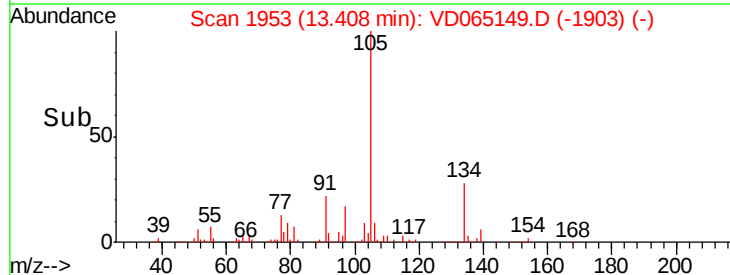
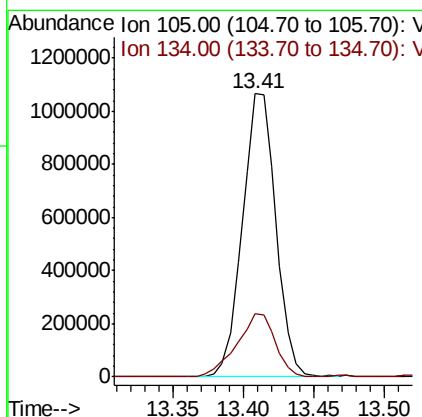
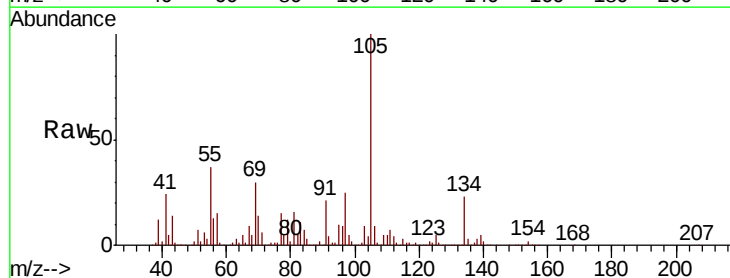
Instrument :
 MSVOA_D
 ClientSampleId :

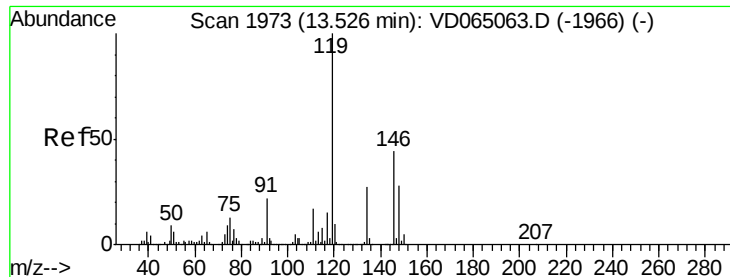
Tot Ion:105 Resp: 900732
 Ion Ratio Lower Upper
 105 100
 120 30.9 23.5 70.5



#85
 sec-Butylbenzene
 Concen: 93.793 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion:105 Resp: 1765554
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.4 31.1

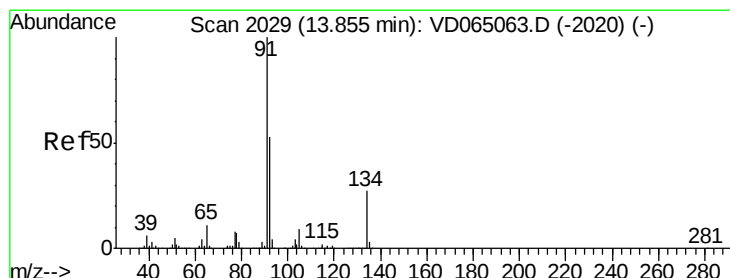
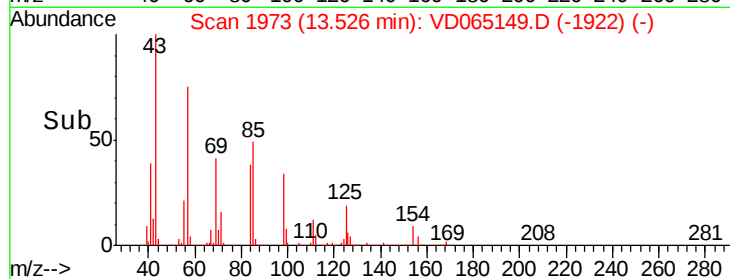
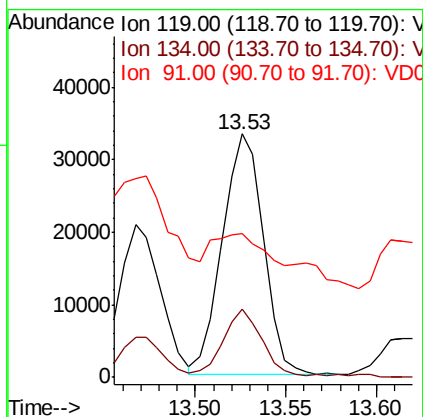
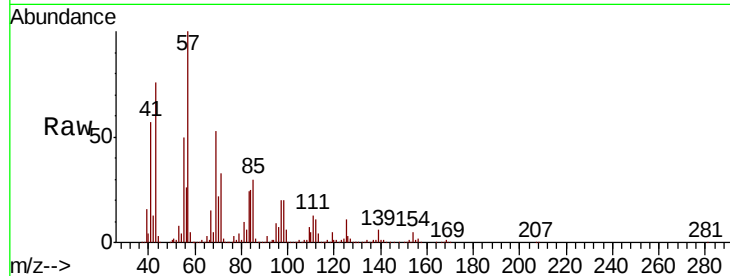




#86
p-Isopropyltoluene
Concen: 2.969 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

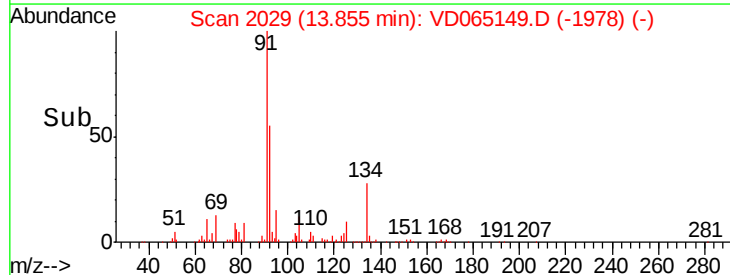
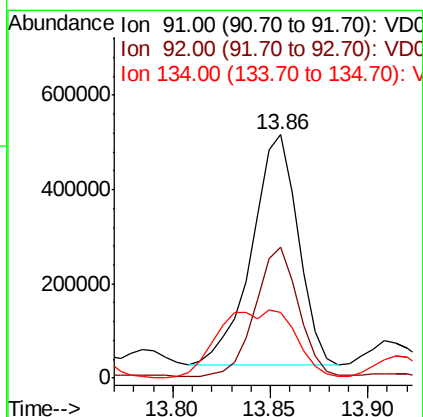
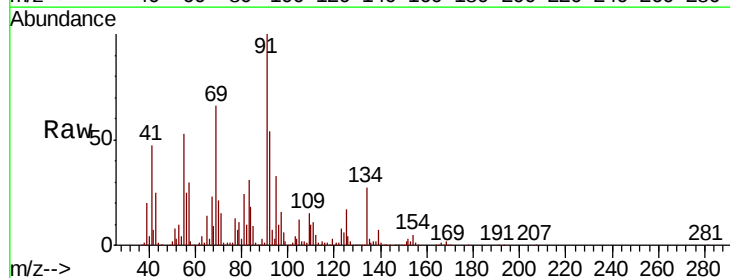
Instrument :
MSVOA_D
ClientSampled :

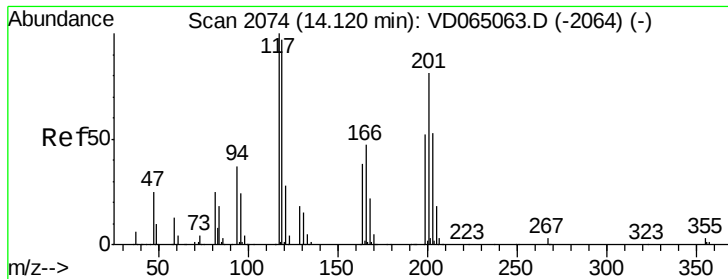
Tot Ion:119 Resp: 51921
Ion Ratio Lower Upper
119 100
134 0.0 13.5 40.5#
91 40.6 11.3 33.9#



#89
n-Butylbenzene
Concen: 49.758 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 91 Resp: 803228
Ion Ratio Lower Upper
91 100
92 52.1 26.7 80.1
134 27.6 13.4 40.2

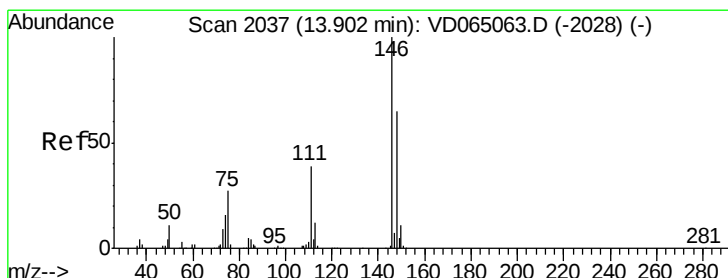
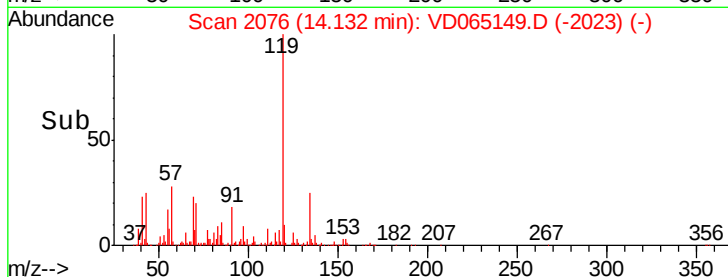
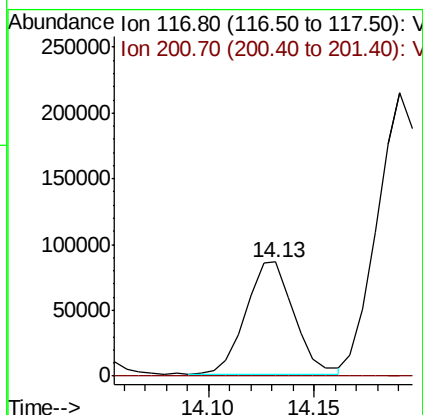
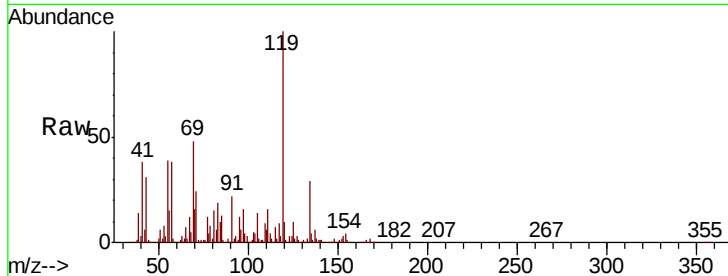




#90
Hexachloroethane
Concen: 40.629 ug/l
RT: 14.13 min Scan# 2076
Delta R.T. 0.01 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

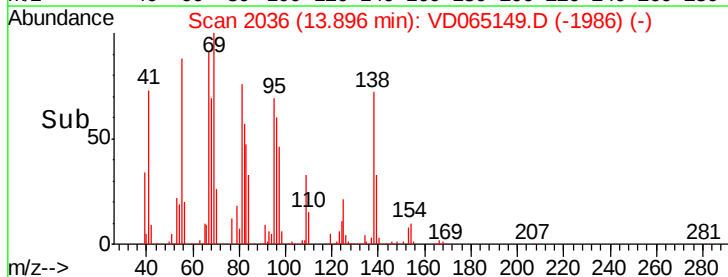
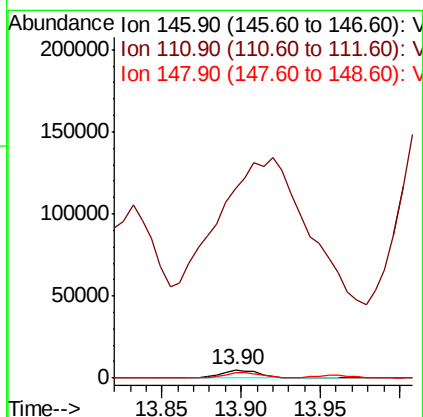
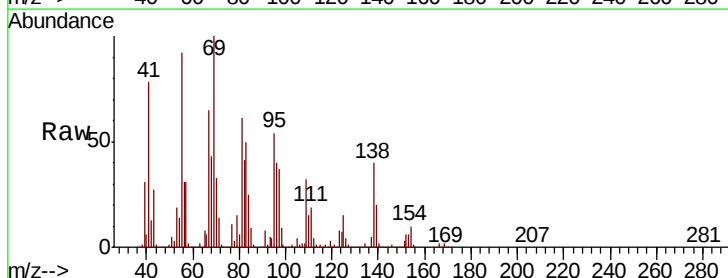
Instrument :
MSVOA_D
ClientSampled :

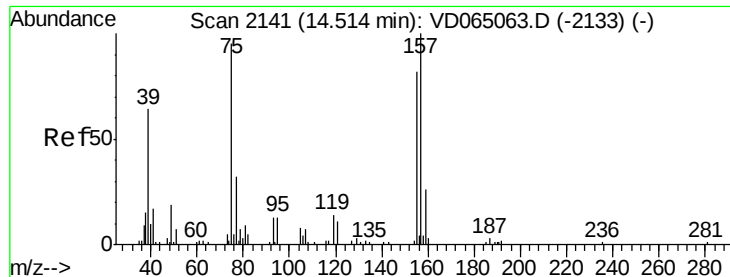
Tot Ion:117 Resp: 134554
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#91
1,2-Dichlorobenzene
Concen: 1.173 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion:146 Resp: 8848
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.1#
148 68.5 31.9 95.5

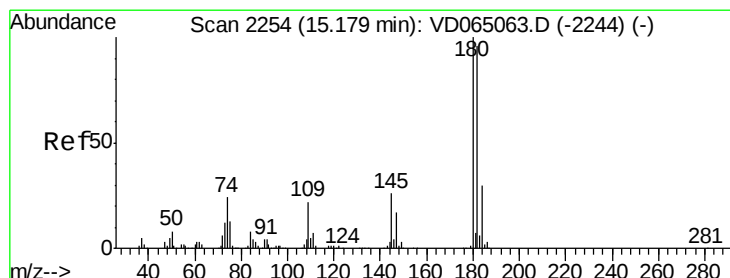
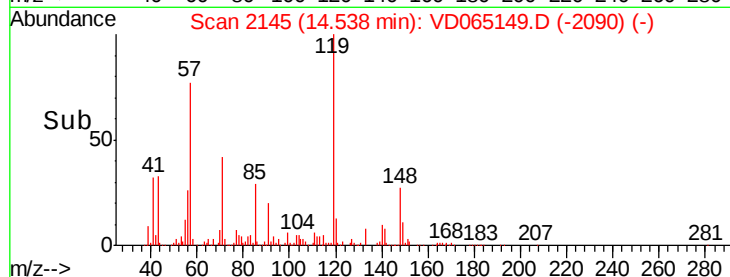
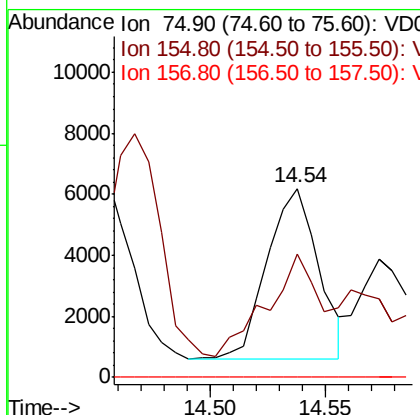
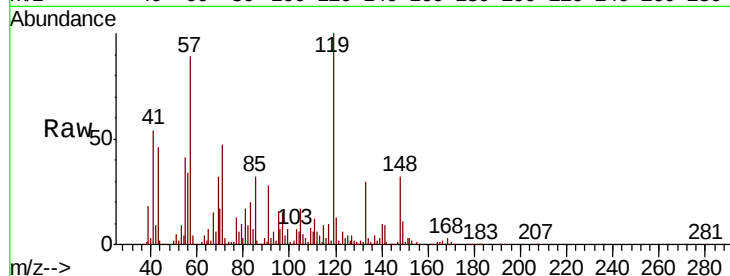




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.381 ug/l
 RT: 14.54 min Scan# 2145
 Delta R.T. 0.02 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

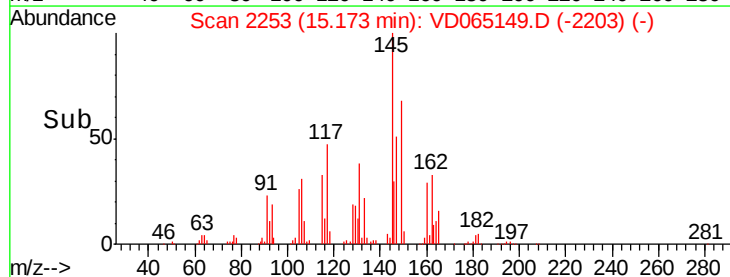
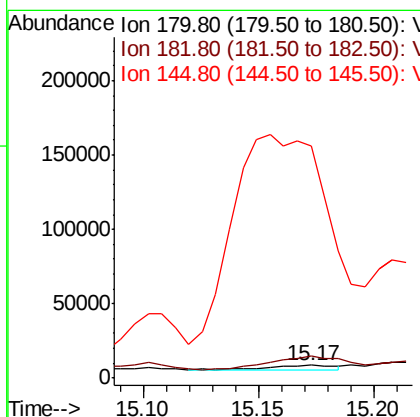
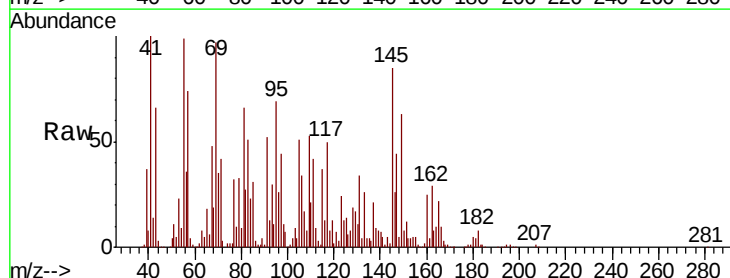
Instrument :
 MSVOA_D
 ClientSampleId :

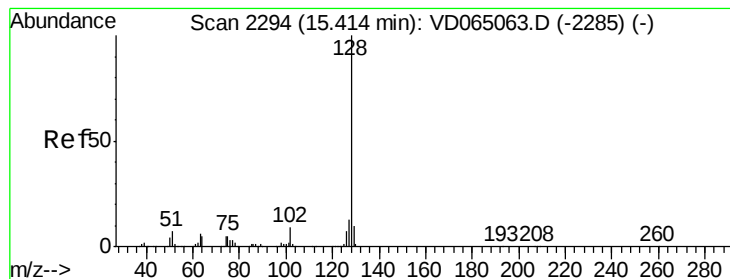
Tot Ion: 75 Resp: 8720
 Ion Ratio Lower Upper
 75 100
 155 56.9 43.4 130.1
 157 0.0 55.8 167.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.508 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion: 180 Resp: 8134
 Ion Ratio Lower Upper
 180 100
 182 270.8 47.4 142.3#
 145 6200.7 14.1 42.4#





#95

Naphthalene

Concen: 8.081 ug/l

RT: 15.37 min Scan# 2287

Delta R.T. -0.04 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

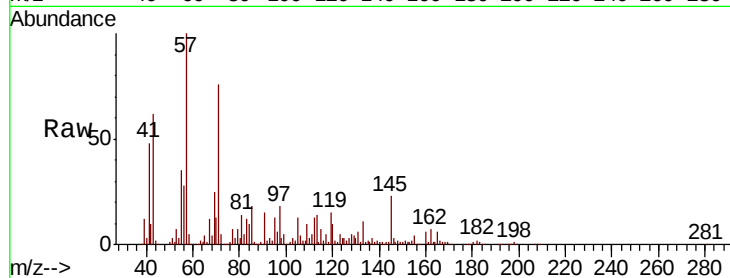
Tot Ion:128 Resp: 72429

Ion Ratio Lower Upper

128 100

127 84.5 10.6 15.8#

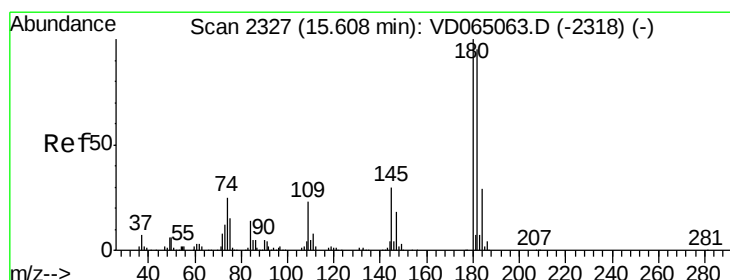
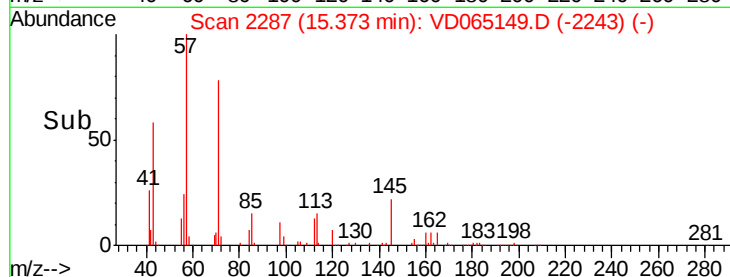
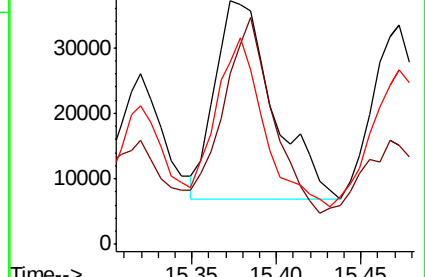
129 69.8 8.7 13.1#



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: 3.111 ug/l

RT: 15.63 min Scan# 2331

Delta R.T. 0.02 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

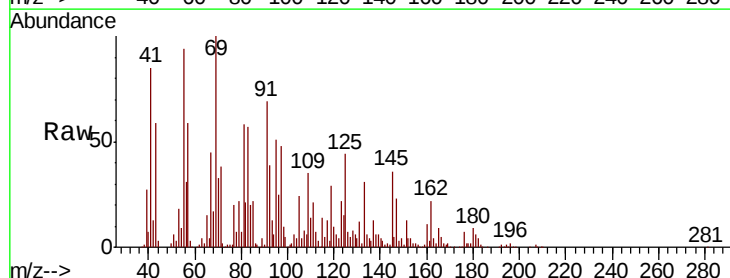
Tgt Ion:180 Resp: 14350

Ion Ratio Lower Upper

180 100

182 40.2 47.1 141.4#

145 0.0 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

