

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103119\
 Data File : VD064142.D
 Acq On : 31 Oct 2019 19:41
 Operator : VA/SY
 Sample : K5603-02RE
 Misc : 4.99G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 01 06:06:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	322347	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168445	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	80695	48.72	ug/l	0.00
Spiked Amount						
			Recovery	=	97.44%	
35) Dibromofluoromethane	7.91	113	40402	20.37	ug/l	0.00
Spiked Amount						
			Recovery	=	40.74%	
50) Toluene-d8	10.34	98	389709	49.14	ug/l	0.00
Spiked Amount						
			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.64	95	137332	52.23	ug/l	0.00
Spiked Amount						
			Recovery	=	104.46%	

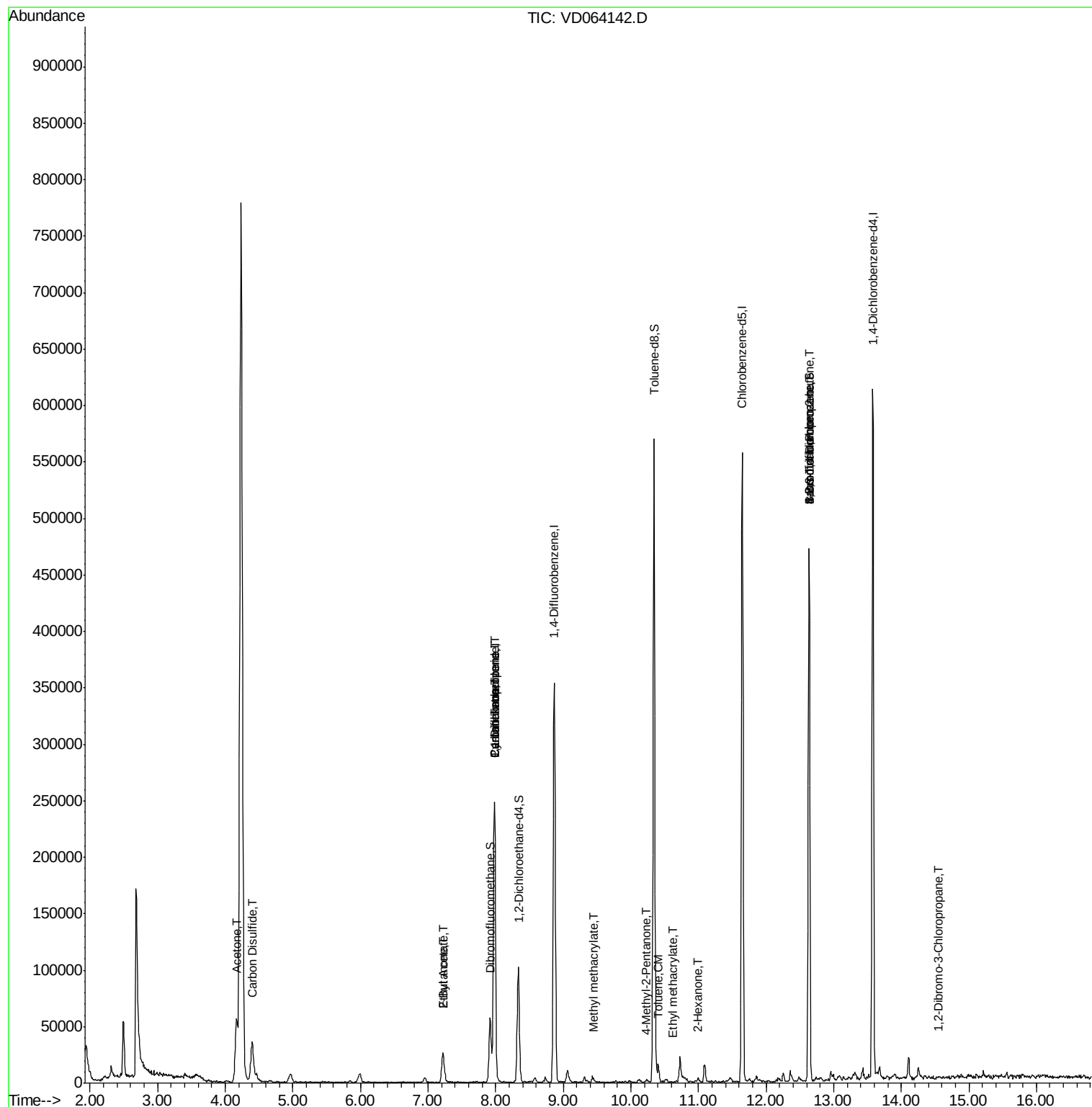
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	99563	315.959	ug/l	94
17) Carbon Disulfide	4.40	76	72410	13.044	ug/l #	95
20) Methylene Chloride	4.96	84	6158	Below Cal	#	74
25) 2-Butanone	7.22	43	23952	54.982	ug/l	97
31) Cyclohexane	7.98	56	4104	1.332	ug/l #	35
36) 1,1-Dichloropropene	7.98	75	13802	4.569	ug/l #	45
37) Ethyl Acetate	7.22	43	23952	25.763	ug/l #	72
38) Carbon Tetrachloride	7.98	117	18056	5.479	ug/l #	18
48) Methyl methacrylate	9.44	41	1837	2.114	ug/l #	7
51) 4-Methyl-2-Pentanone	10.23	43	1897	1.855	ug/l	96
52) Toluene	10.40	92	6105	1.058	ug/l	100
56) Ethyl methacrylate	10.62	69	58	3.046	ug/l #	49
59) 2-Hexanone	10.99	43	3162	12.815	ug/l	78
71) Bromoform	12.63	173	1837	1.329	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	70120	61.951	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	70120	126.521	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.56	75	535	1.985	ug/l #	1

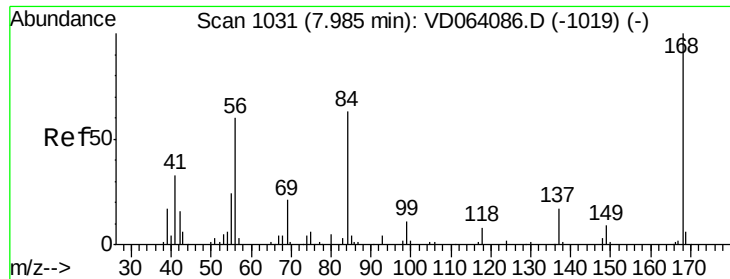
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

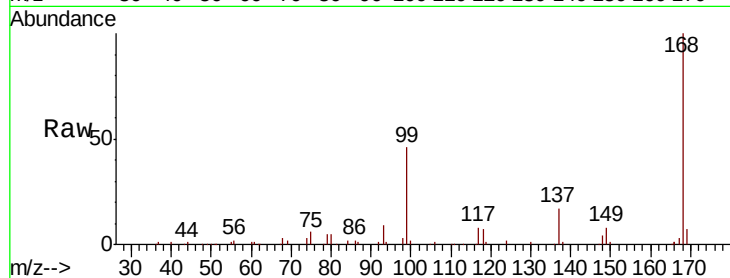
ClientSampleId :

Tot Ion:168 Resp: 208240

Ion Ratio Lower Upper

168 100

99 46.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

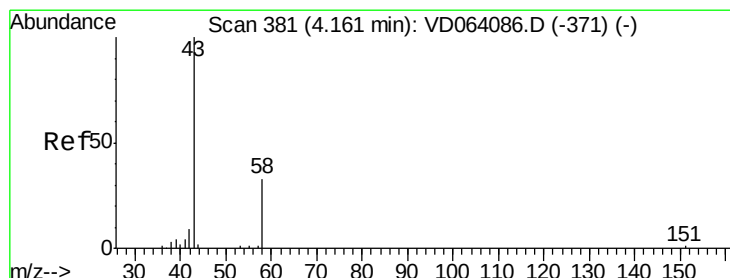
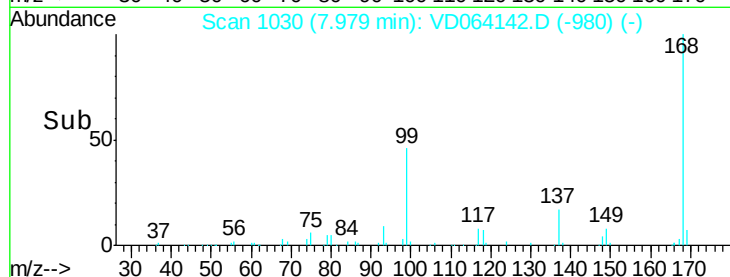
60000

40000

20000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#16

Acetone

Concen: 315.959 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD064142.D

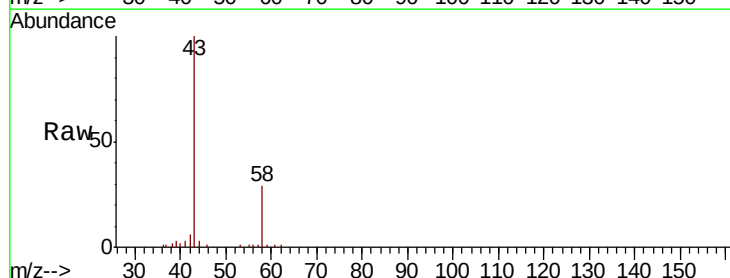
Acq: 31 Oct 2019 19:41

Tgt Ion: 43 Resp: 99563

Ion Ratio Lower Upper

43 100

58 29.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

40000

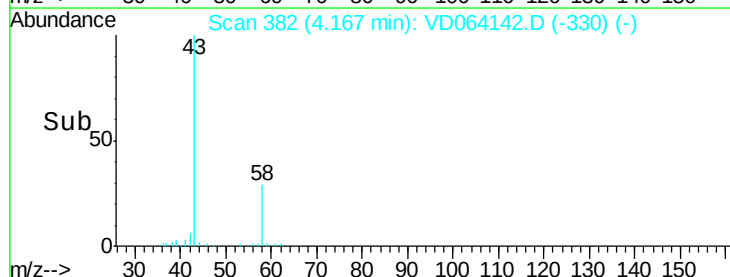
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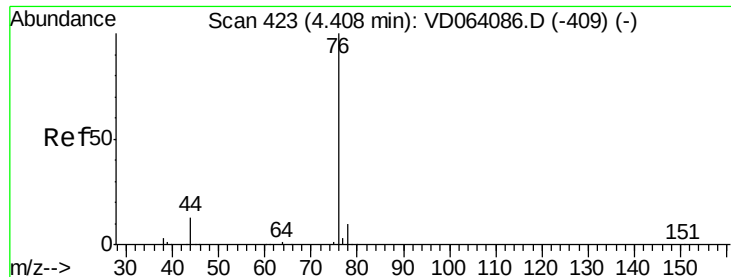
20000

10000

0

Time--> 4.10 4.20





#17

Carbon Disulfide

Concen: 13.044 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

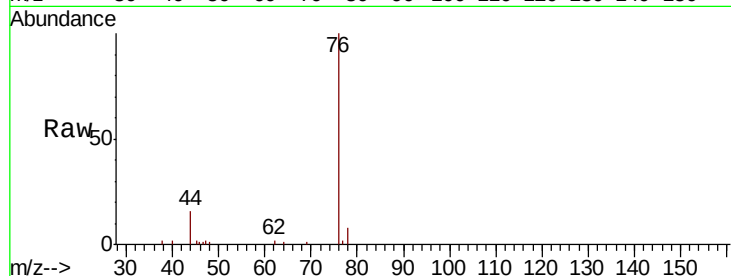
ClientSampleId :

Tot Ion: 76 Resp: 72410

Ion Ratio Lower Upper

76 100

78 8.1 8.1 12.1#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

25000

20000

15000

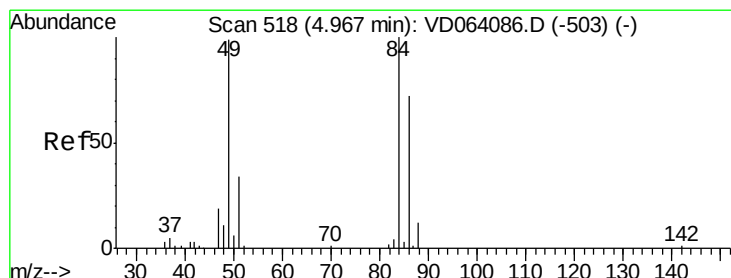
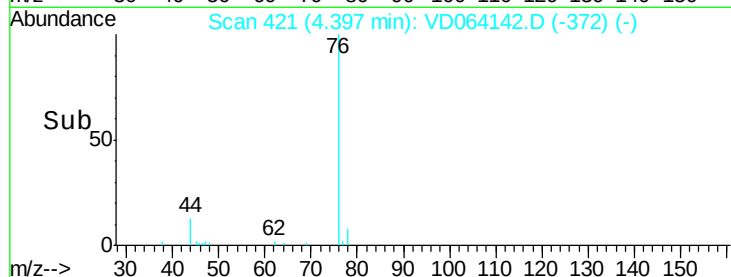
10000

5000

0

Time-->

4.30 4.40 4.50



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Tgt Ion: 84 Resp: 6158

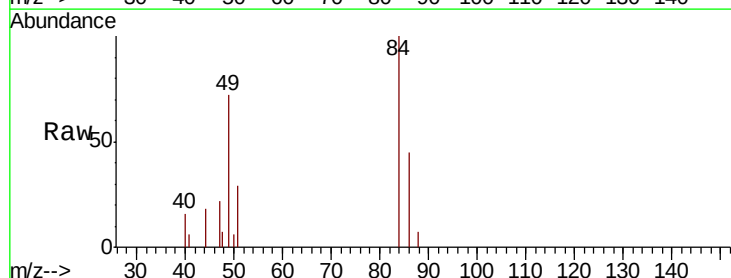
Ion Ratio Lower Upper

84 100

49 71.8 79.4 119.0#

51 28.9 27.4 41.2

86 45.4 57.4 86.0#



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

4.96

4000

3000

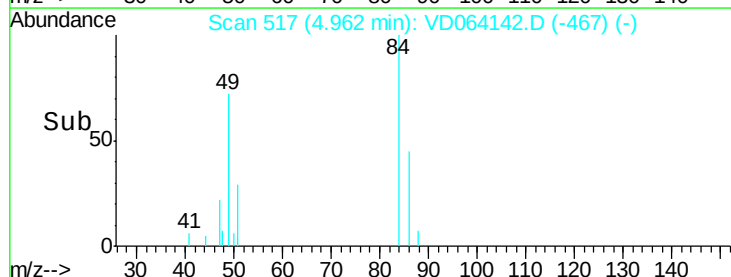
2000

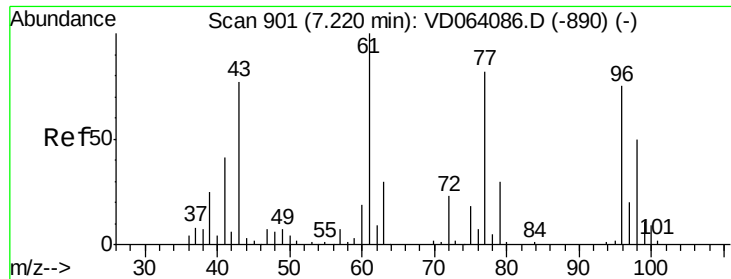
1000

0

Time-->

4.85 4.90 4.95 5.00 5.05

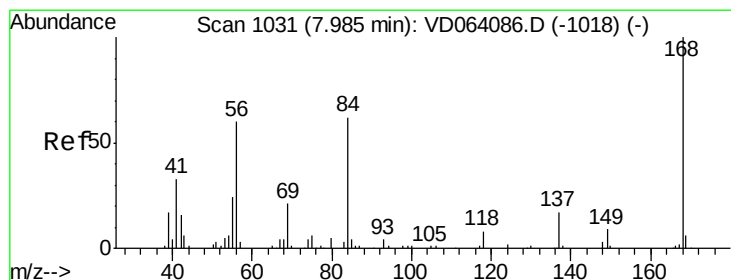
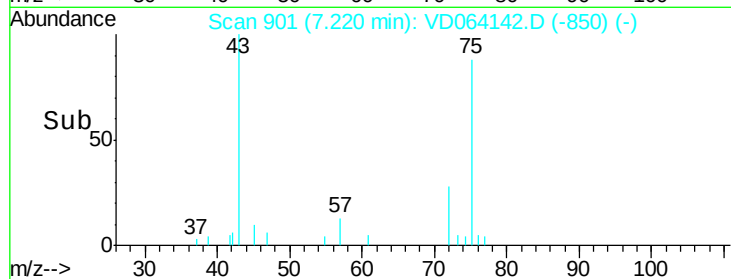
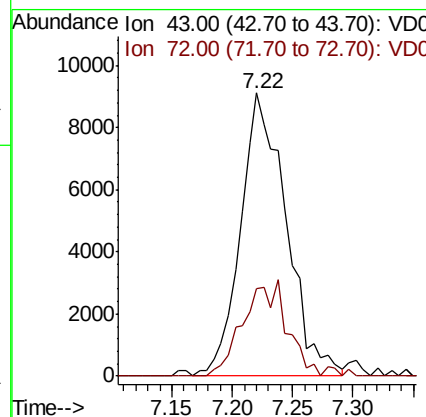
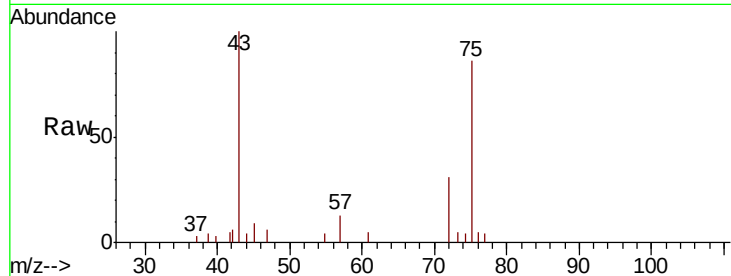




#25
2-Butanone
Concen: 54.982 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

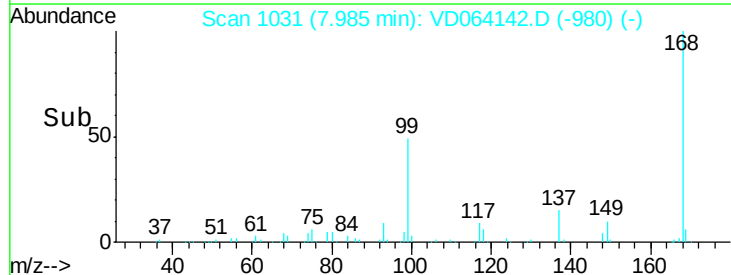
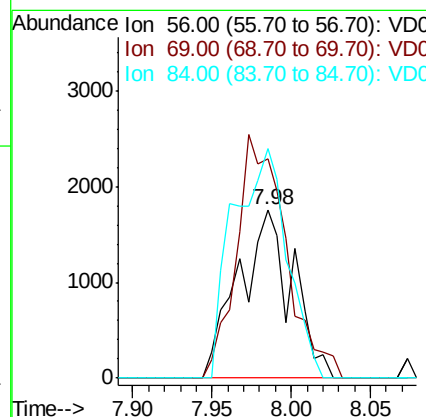
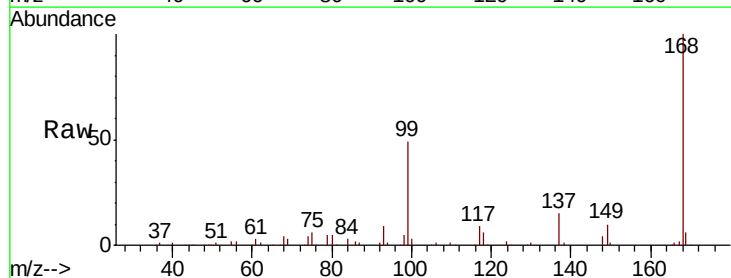
Instrument :
MSVOA_D
ClientSampled :

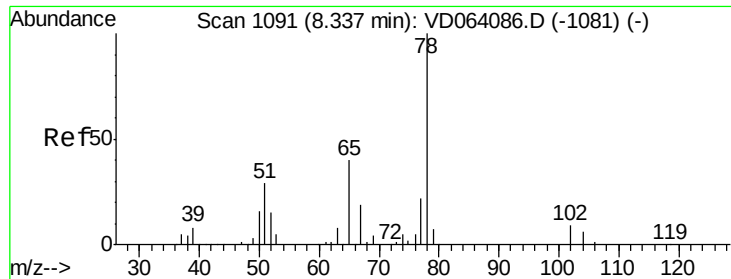
Tot Ion: 43 Resp: 23952
Ion Ratio Lower Upper
43 100
72 30.8 23.4 35.0



#31
Cyclohexane
Concen: 1.332 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

Tgt Ion: 56 Resp: 4104
Ion Ratio Lower Upper
56 100
69 130.4 27.7 41.5#
84 136.3 83.1 124.7#





#33

1,2-Dichloroethane-d4

Concen: 48.724 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

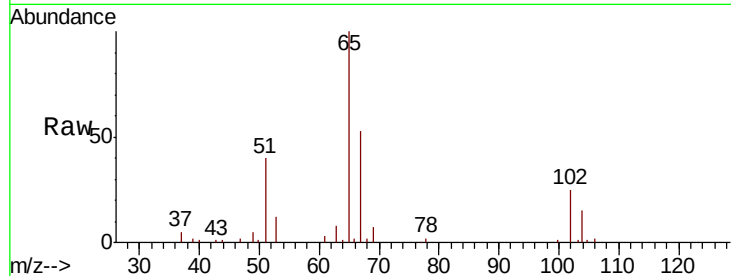
ClientSampleId :

Tot Ion: 65 Resp: 80695

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

40000

30000

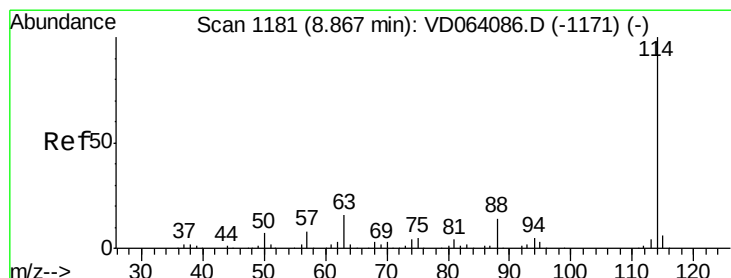
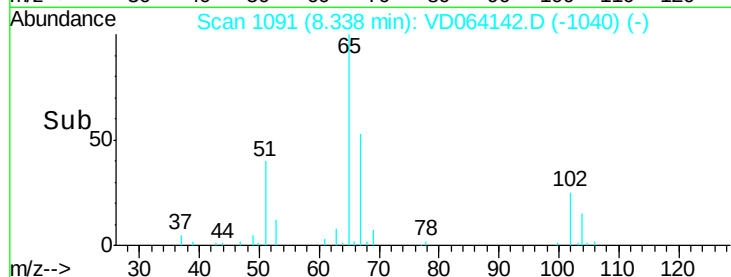
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

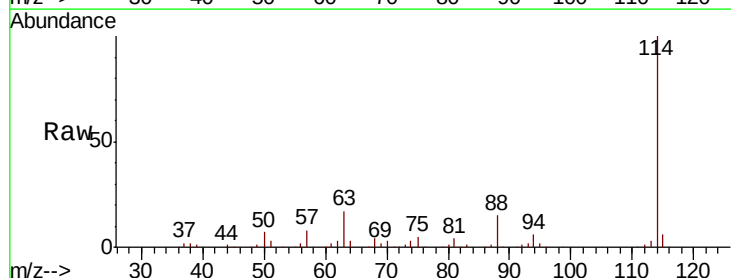
Tgt Ion: 114 Resp: 322347

Ion Ratio Lower Upper

114 100

63 17.5 0.0 32.8

88 15.1 0.0 27.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

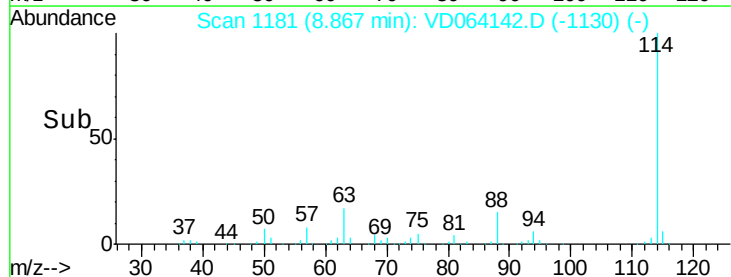
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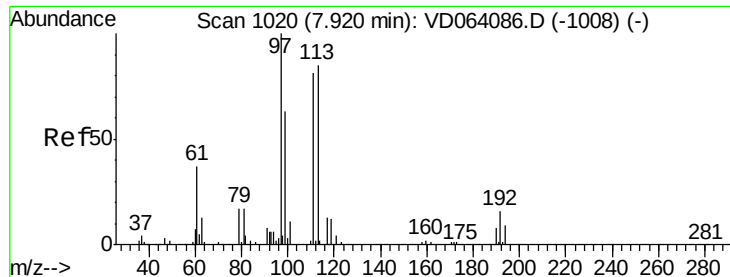
50000

0

8.80 8.85 8.90 8.95

Time-->

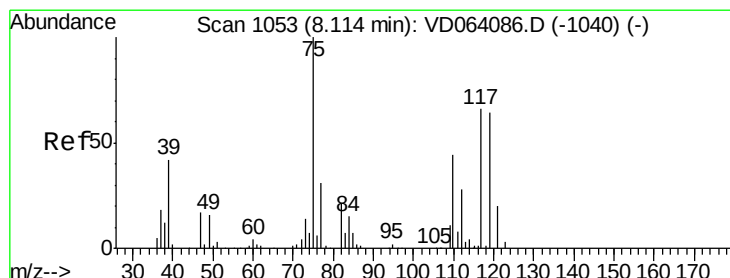
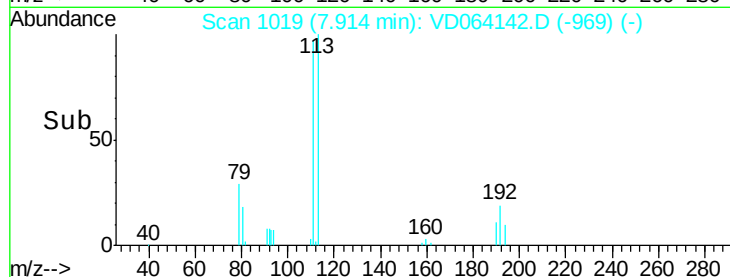
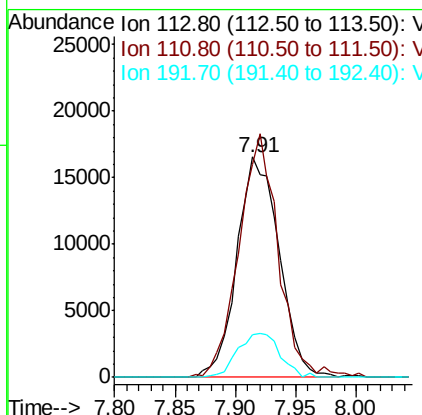
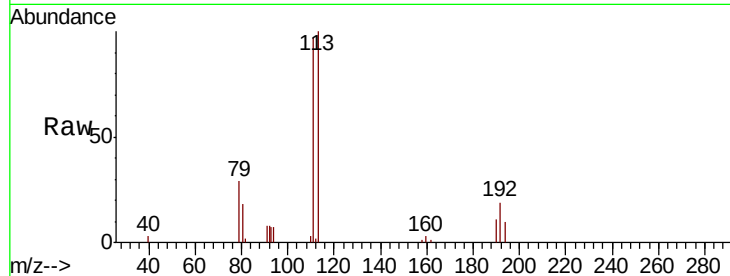




#35
 Dibromofluoromethane
 Concen: 20.372 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064142.D
 Acq: 31 Oct 2019 19:41

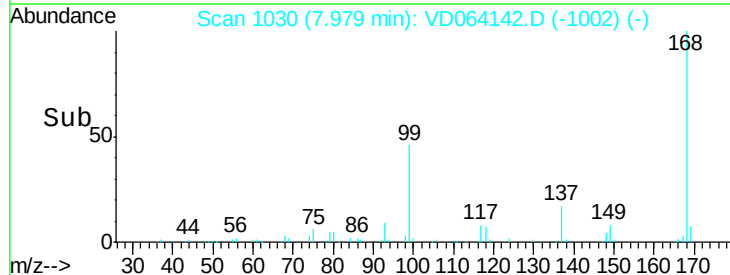
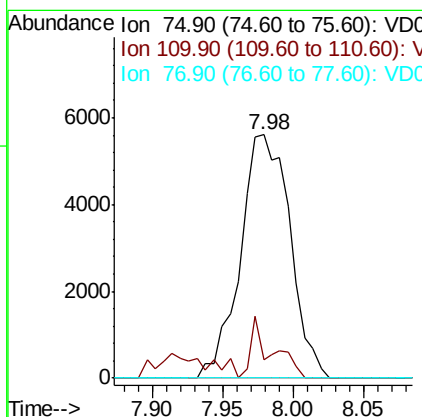
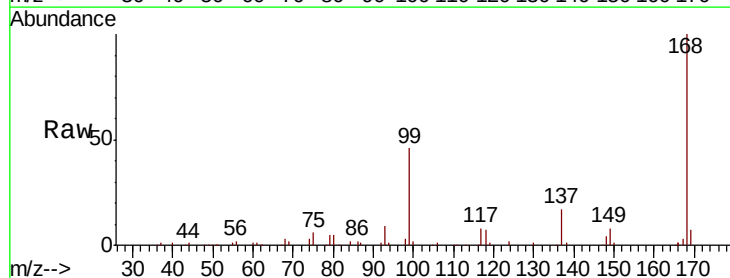
Instrument :
 MSVOA_D
 ClientSampleId :

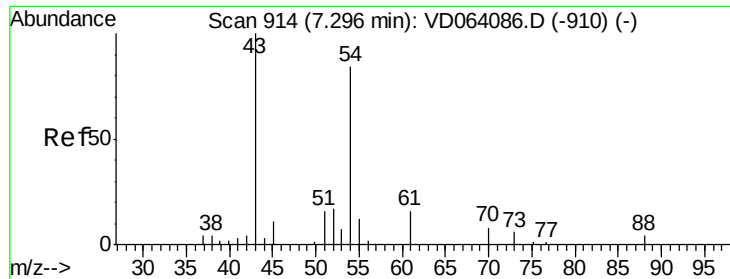
Tot Ion:113 Resp: 40402
 Ion Ratio Lower Upper
 113 100
 111 103.4 79.3 118.9
 192 20.0 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.569 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064142.D
 Acq: 31 Oct 2019 19:41

Tgt Ion: 75 Resp: 13802
 Ion Ratio Lower Upper
 75 100
 110 6.7 20.0 59.9#
 77 0.0 24.7 37.1#

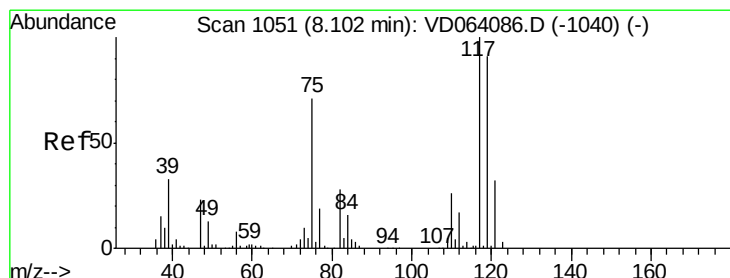
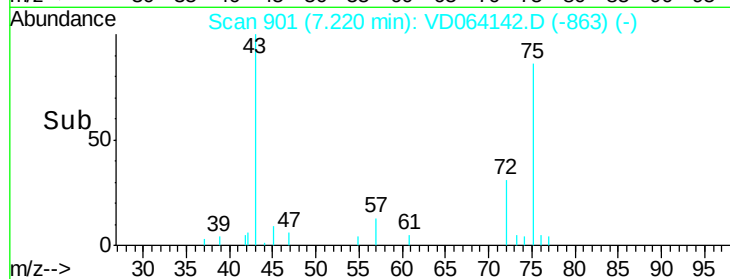
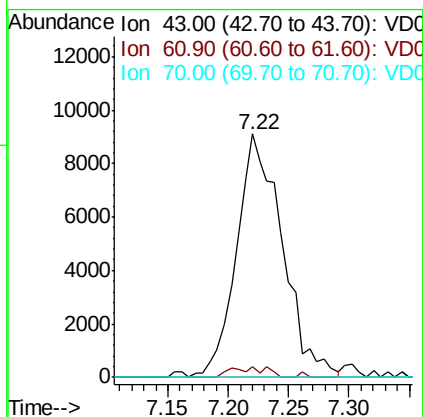
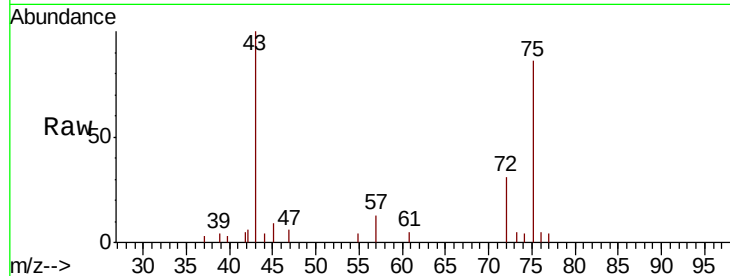




#37
Ethyl Acetate
Concen: 25.763 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.08 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

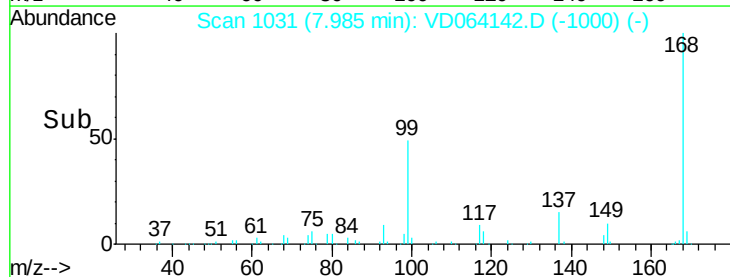
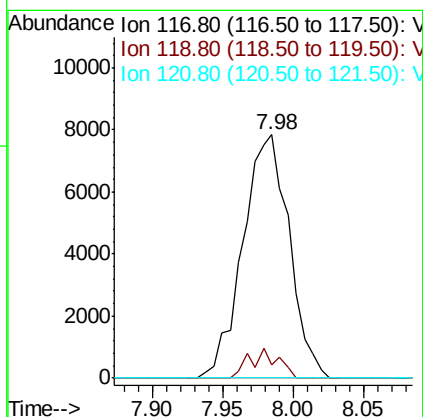
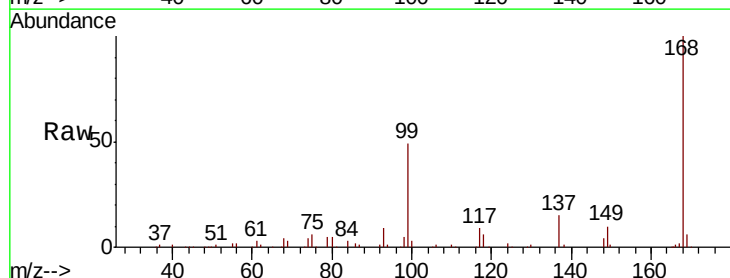
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MSVOA_D
ClientSampleId :

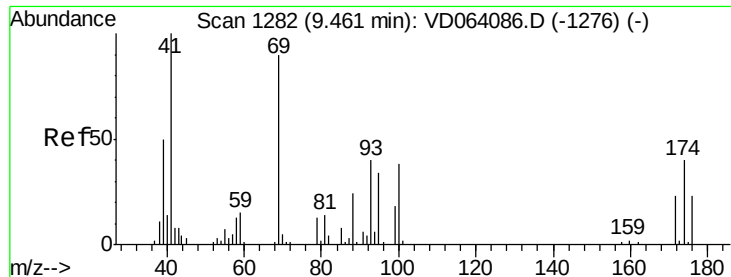
Tot Ion: 43 Resp: 23952
Ion Ratio Lower Upper
43 100
61 1.6 12.0 18.0#
70 0.0 3.8 5.6#



#38
Carbon Tetrachloride
Concen: 5.479 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

Tgt Ion: 117 Resp: 18056
Ion Ratio Lower Upper
117 100
119 5.3 72.6 108.8#
121 0.0 25.8 38.6#

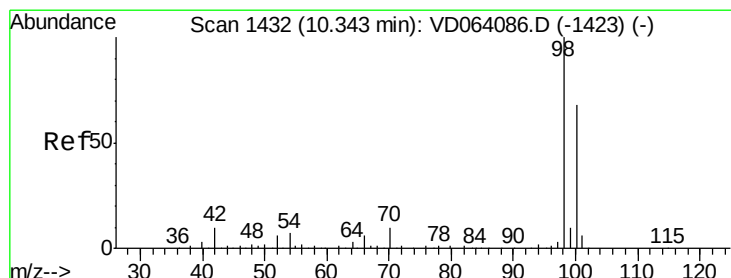
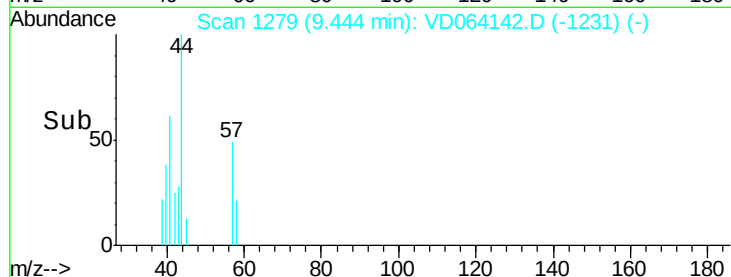
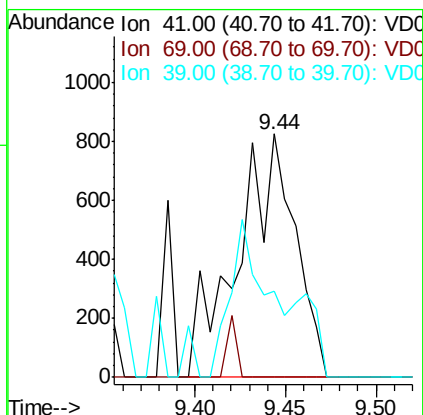
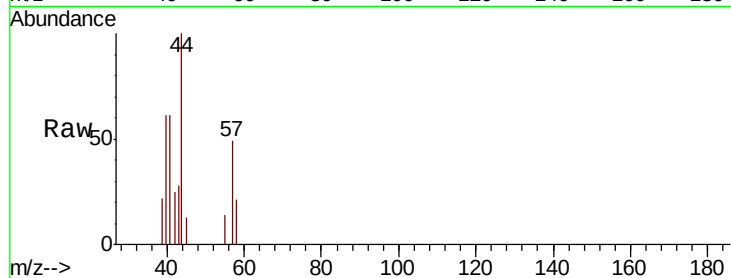




#48
Methyl methacrylate
Concen: 2.114 ug/l
RT: 9.44 min Scan# 1279
Delta R.T. -0.02 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

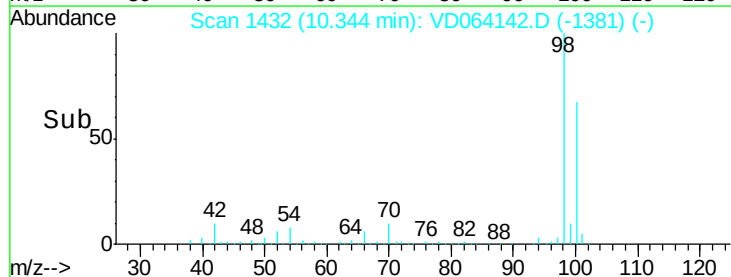
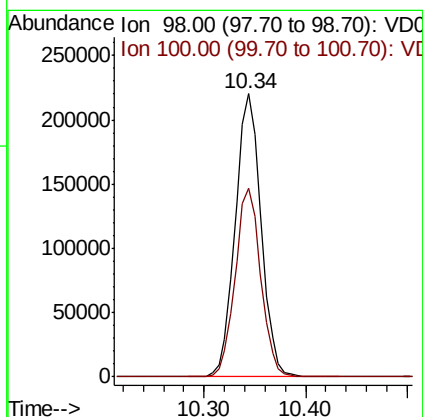
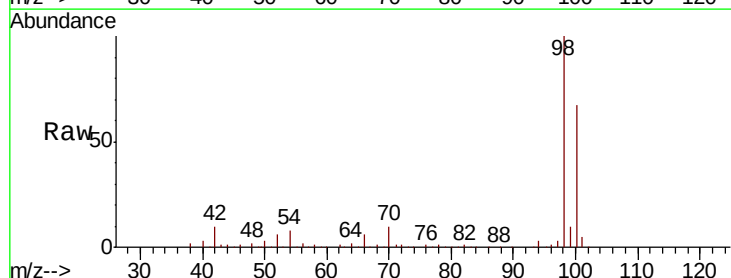
Instrument :
MSVOA_D
ClientSampled :

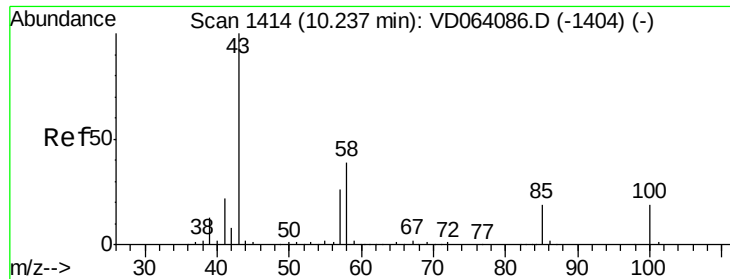
Tot Ion: 41 Resp: 1837
Ion Ratio Lower Upper
41 100
69 0.0 82.6 124.0#
39 0.0 47.0 70.4#



#50
Toluene-d8
Concen: 49.137 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

Tgt Ion: 98 Resp: 389709
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0

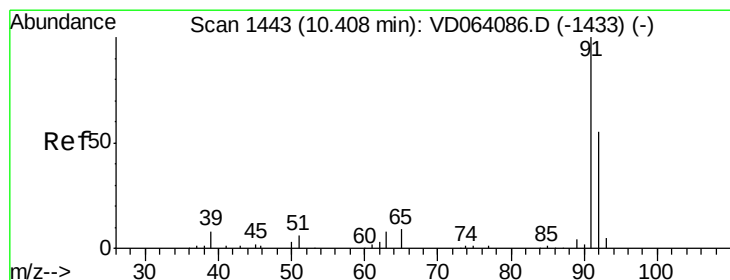
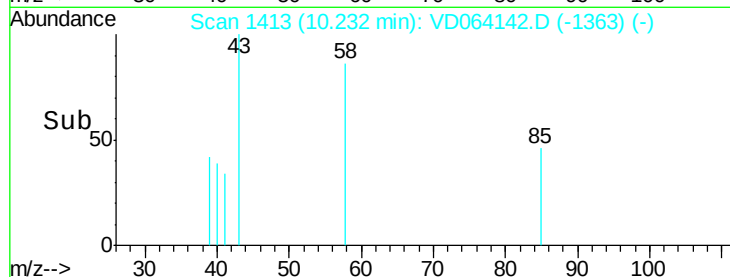
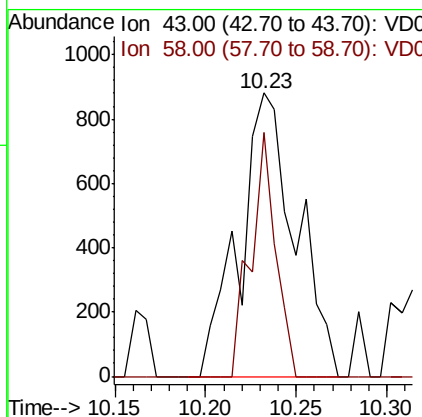
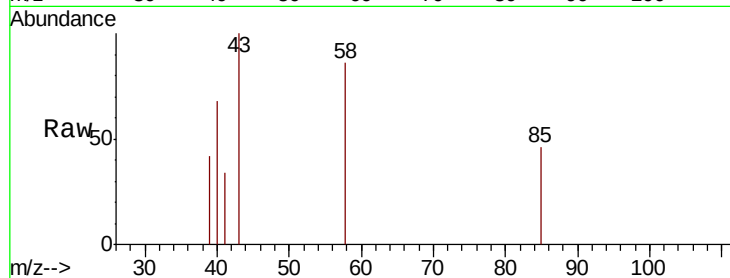




#51
4-Methyl-2-Pentanone
Concen: 1.855 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

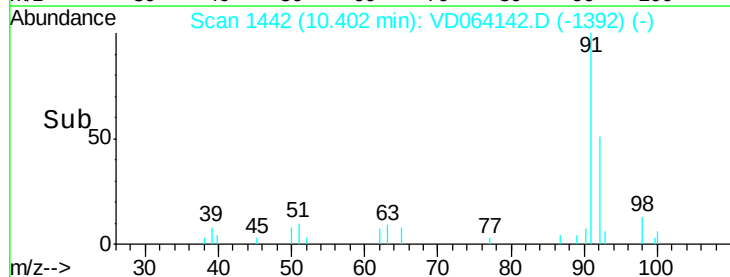
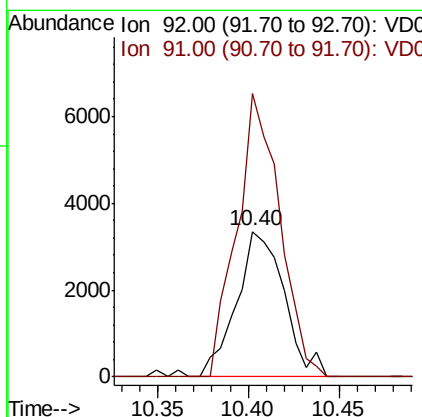
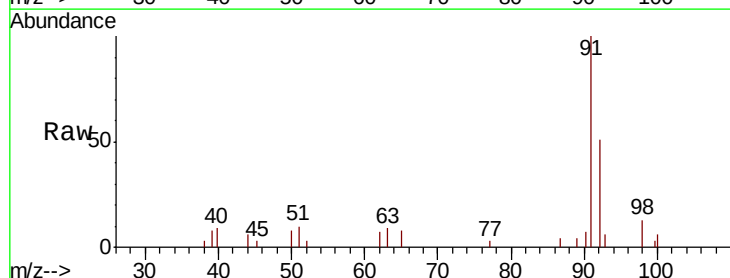
Instrument :
MSVOA_D
ClientSampleId :

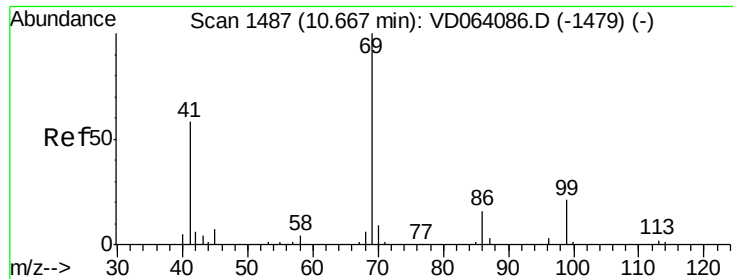
Tot Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
58 38.5 33.0 49.4



#52
Toluene
Concen: 1.058 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

Tgt Ion: 92 Resp: 6105
Ion Ratio Lower Upper
92 100
91 176.1 140.7 211.1

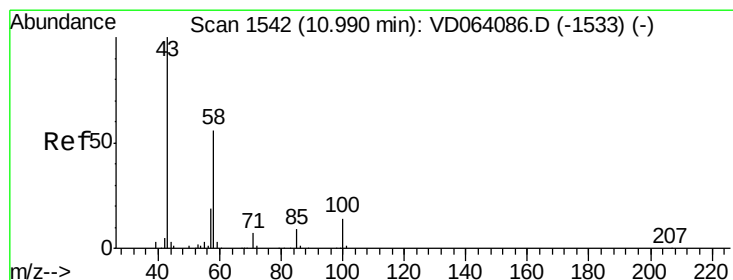
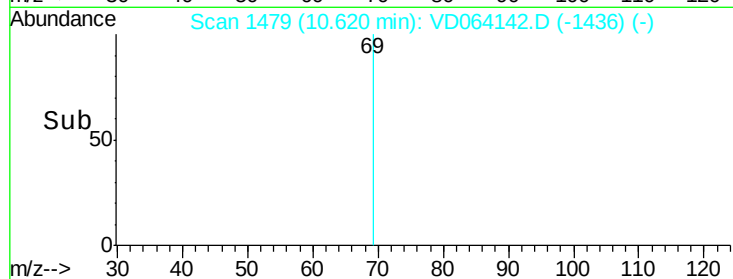
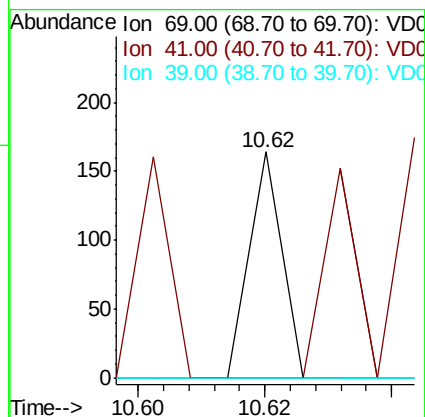
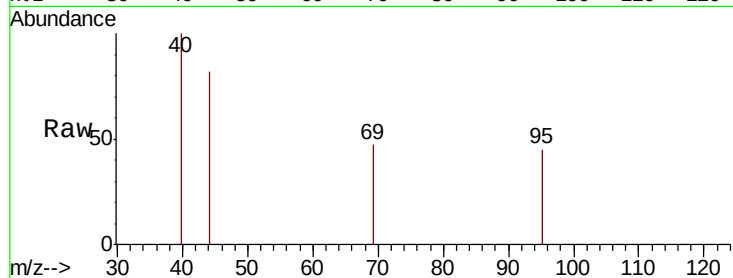




#56
Ethyl methacrylate
Concen: 3.046 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.05 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

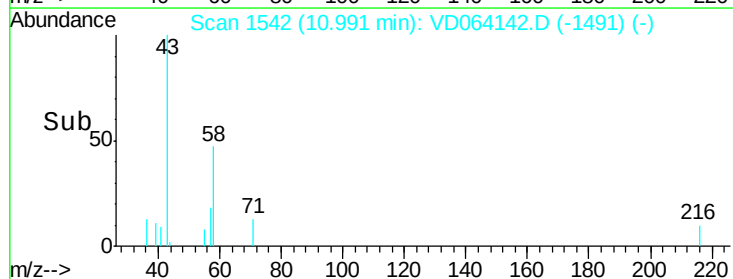
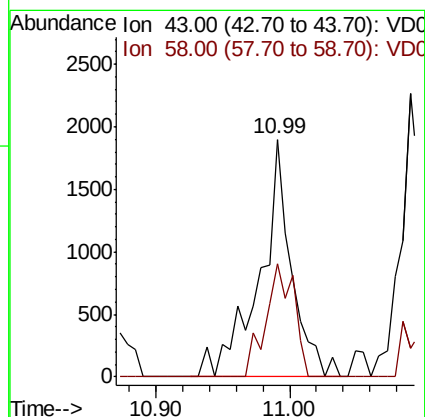
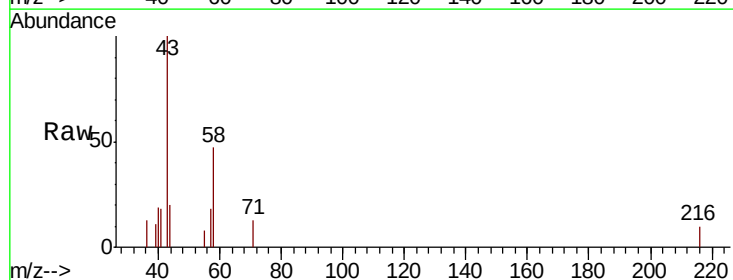
Instrument :
MSVOA_D
ClientSampleID :

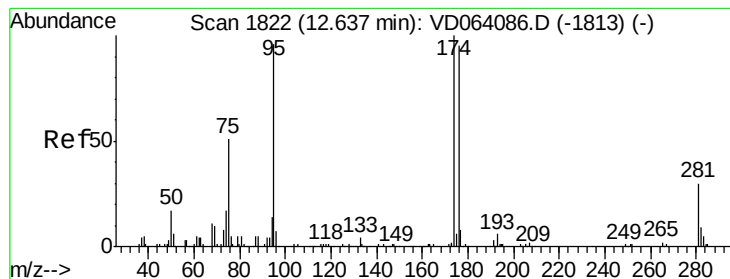
Tot Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 93.1 46.9 70.3#
39 0.0 27.3 40.9#



#59
2-Hexanone
Concen: 12.815 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064142.D
Acq: 31 Oct 2019 19:41

Tgt Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
58 42.3 29.2 87.6





#62

4-Bromofluorobenzene

Concen: 52.230 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

ClientSampled :

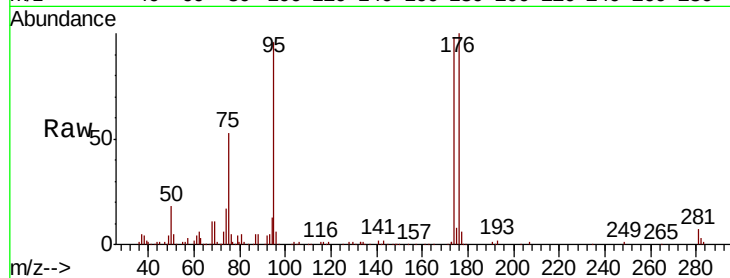
Tot Ion: 95 Resp: 137332

Ion Ratio Lower Upper

95 100

174 98.3 0.0 201.6

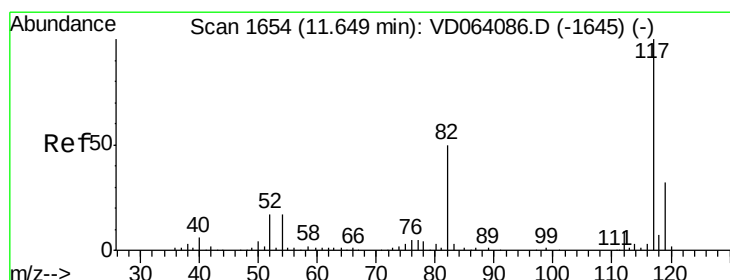
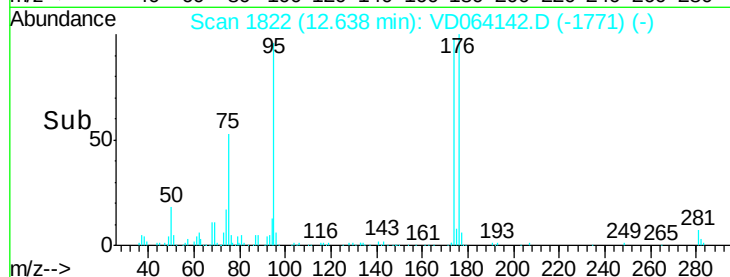
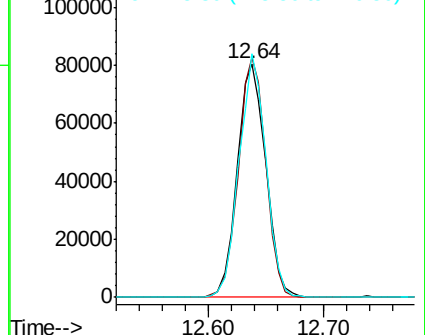
176 98.2 0.0 192.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

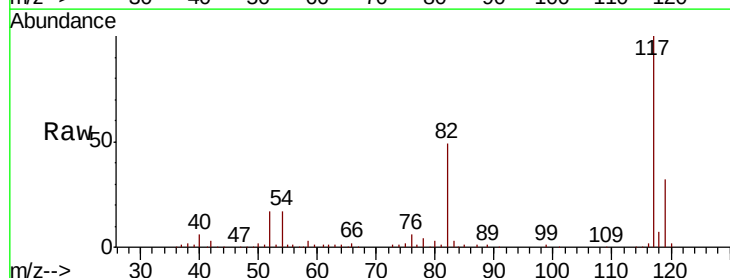
Tgt Ion: 117 Resp: 334710

Ion Ratio Lower Upper

117 100

82 48.5 40.2 60.4

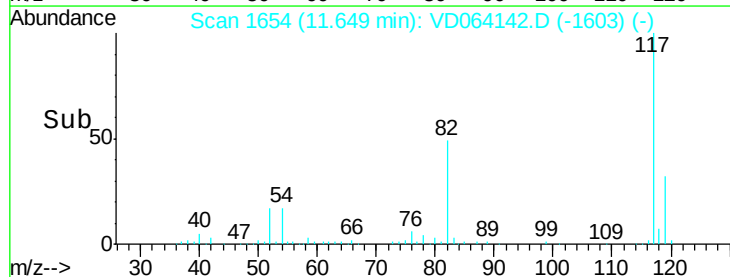
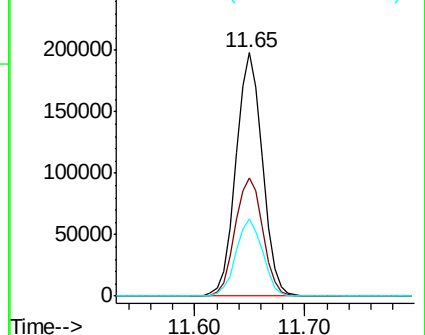
119 32.0 26.0 39.0

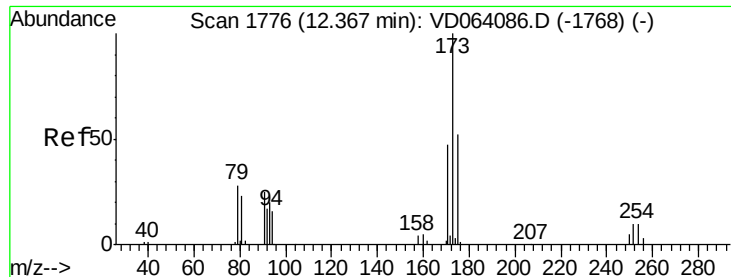


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 1.329 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.27 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

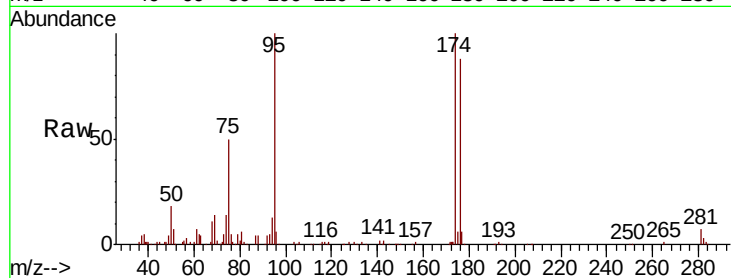
Tot Ion:173 Resp: 1837

Ion Ratio Lower Upper

173 100

175 421.5 24.3 72.9#

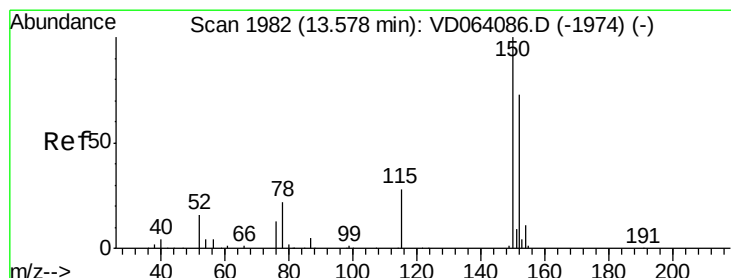
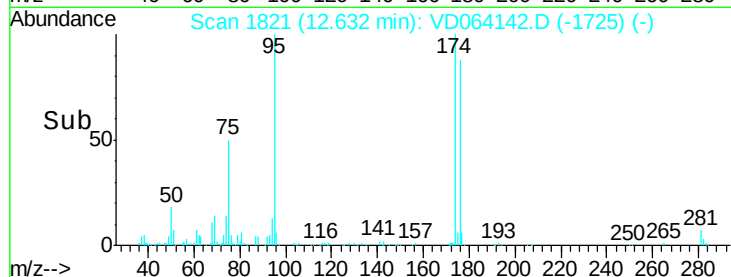
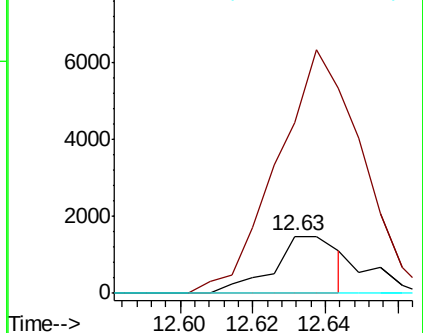
254 0.0 0.0 0.0



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# 1982

Delta R.T. 0.00 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

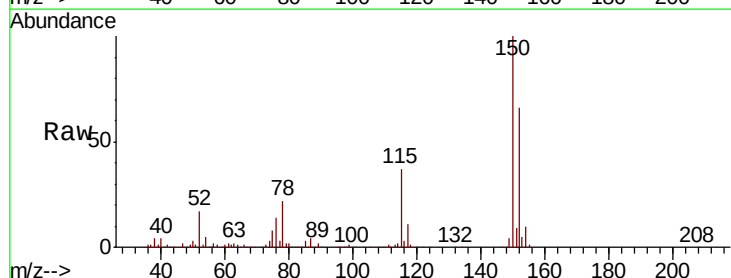
Tgt Ion:152 Resp: 168445

Ion Ratio Lower Upper

152 100

115 54.3 26.2 78.6

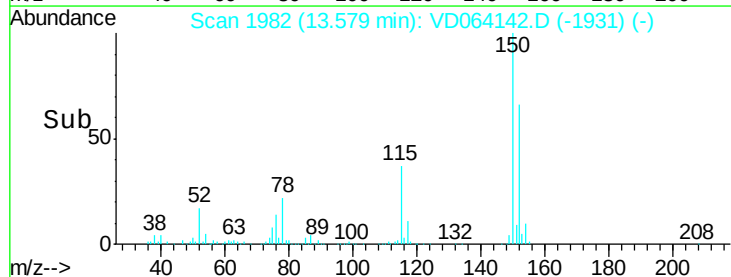
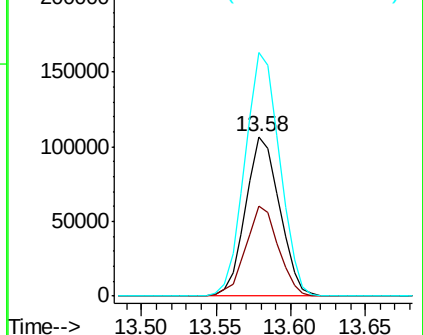
150 156.1 0.0 338.8

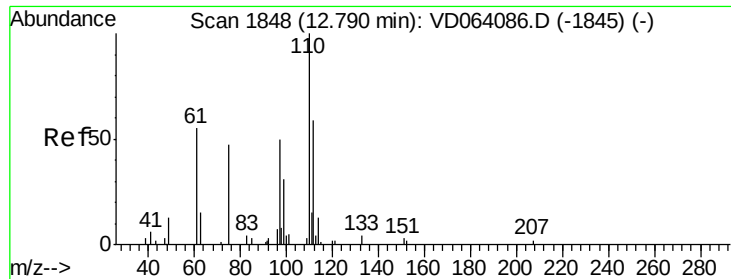


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

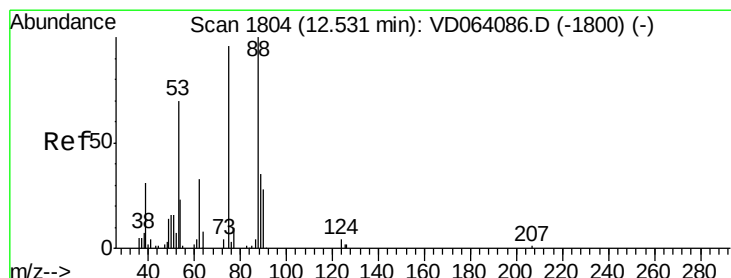
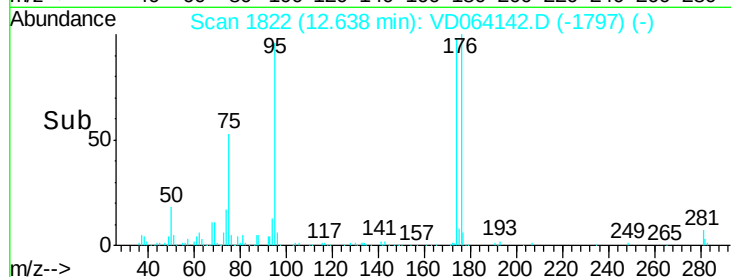
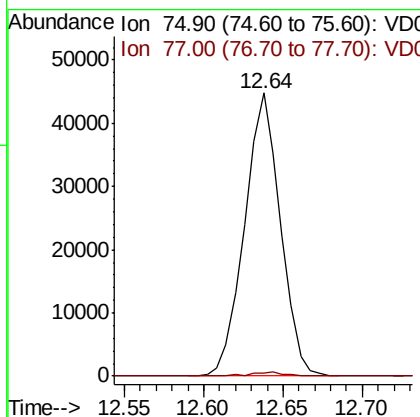
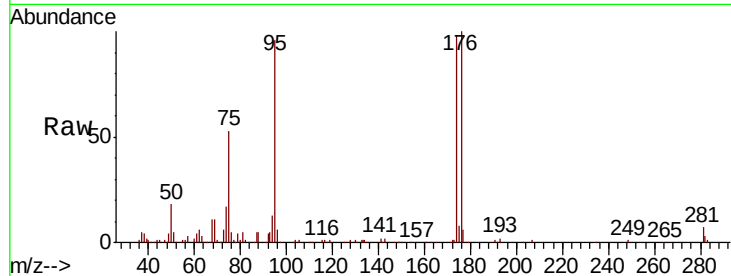




#76
 1,2,3-Trichloropropane
 Concen: 61.951 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064142.D
 Acq: 31 Oct 2019 19:41

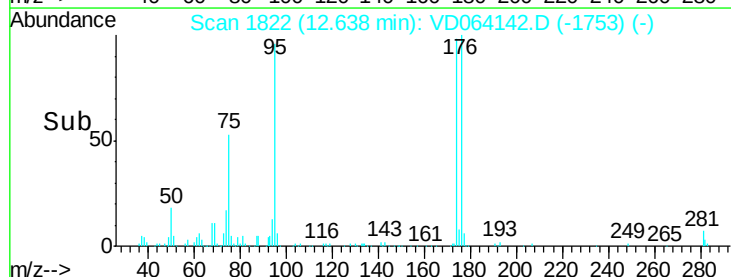
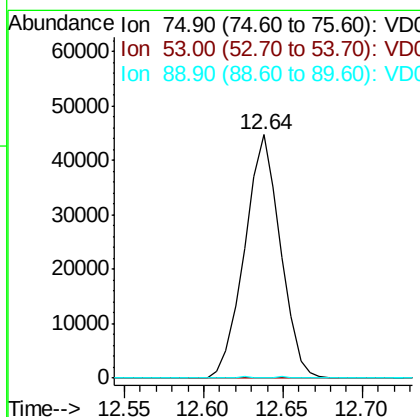
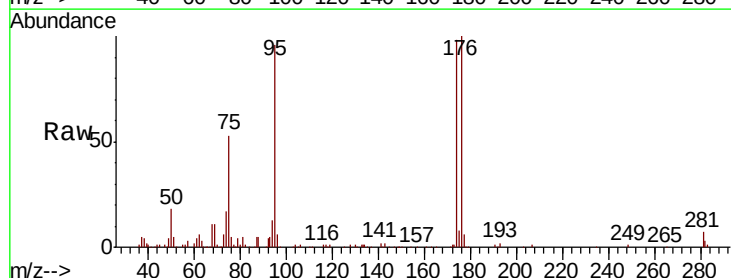
Instrument :
 MSVOA_D
 ClientSampleID :

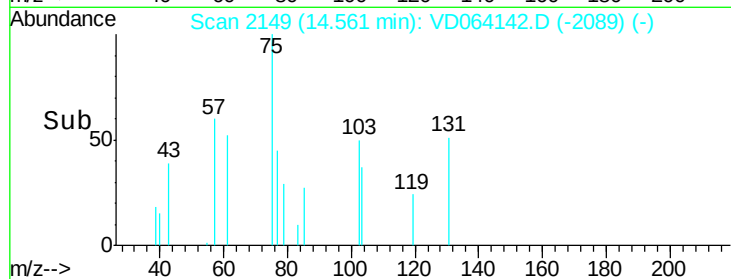
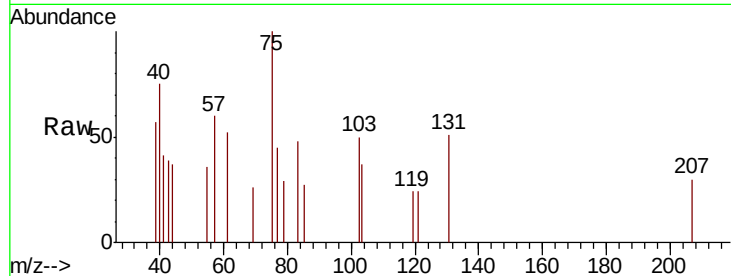
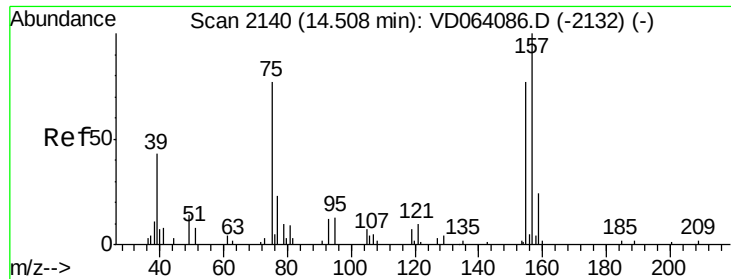
Tot Ion: 75 Resp: 70120
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.521 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064142.D
 Acq: 31 Oct 2019 19:41

Tgt Ion: 75 Resp: 70120
 Ion Ratio Lower Upper
 75 100
 53 0.0 68.6 103.0#
 89 0.2 36.9 55.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.985 ug/l

RT: 14.56 min Scan# 2149

Delta R.T. 0.05 min

Lab File: VD064142.D

Acq: 31 Oct 2019 19:41

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 535

Ion Ratio Lower Upper

75 100

155 0.0 56.3 168.9#

157 0.0 72.2 216.6#

