

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010720\
 Data File : VD064798.D
 Acq On : 07 Jan 2020 17:42
 Operator : VA/SY
 Sample : L1049-04RE
 Misc : 5.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 08 07:38:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227410	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	190750	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.92	113	135457	31.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.14%	
50) Toluene-d8	10.34	98	833052	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	222865	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	

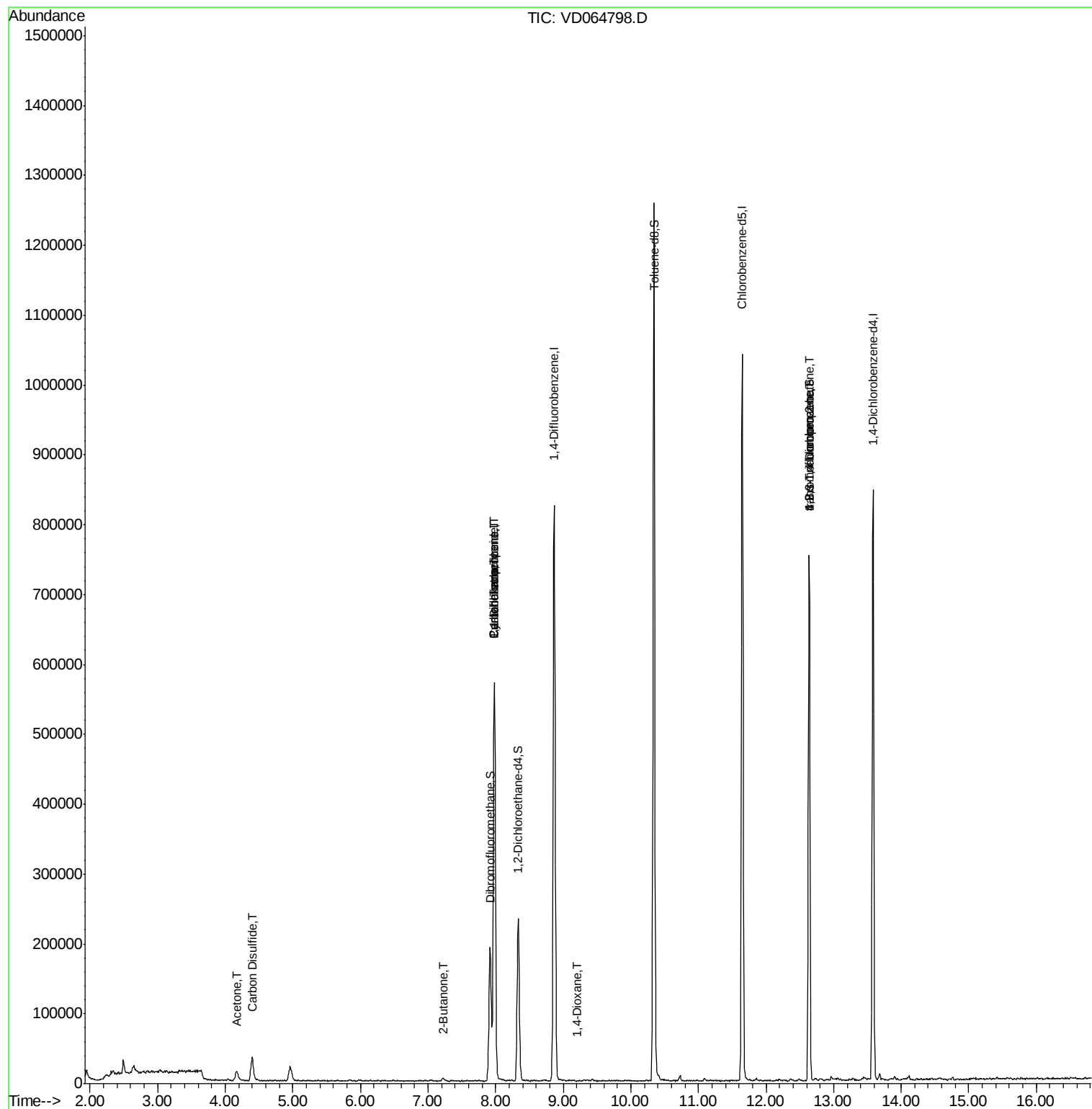
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	25142	31.044	ug/l	95
17) Carbon Disulfide	4.40	76	67179	5.275	ug/l	98
20) Methylene Chloride	4.96	84	15135	Below Cal		89
25) 2-Butanone	7.23	43	4565	4.207	ug/l #	84
31) Cyclohexane	7.99	56	9768	1.327	ug/l #	8
36) 1,1-Dichloropropene	7.98	75	32232	4.788	ug/l #	49
38) Carbon Tetrachloride	7.98	117	41552	5.788	ug/l #	17
49) 1,4-Dioxane	9.21	88	68	2.411	ug/l #	24
76) 1,2,3-Trichloropropane	12.64	75	120330	67.007	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	120330	140.144	ug/l #	10

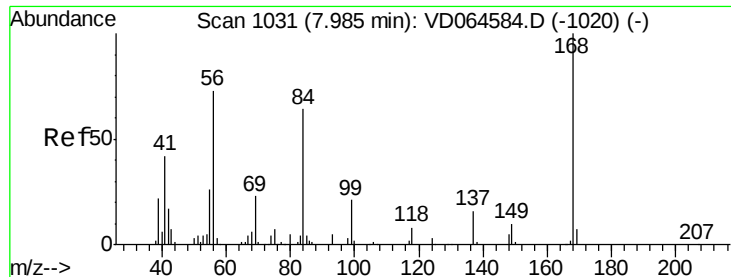
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010720\
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MSVOA_D
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Quant Time: Jan 08 07:38:37 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 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: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_D

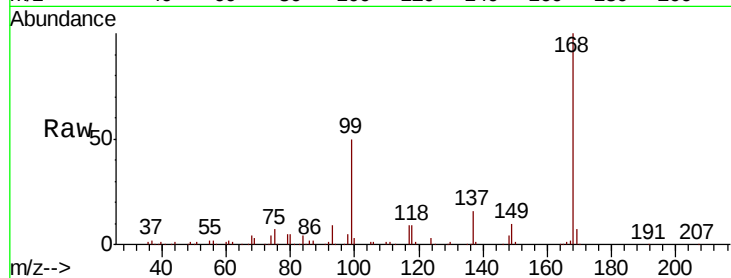
ClientSampleId :

Tot Ion:168 Resp: 447718

Ion Ratio Lower Upper

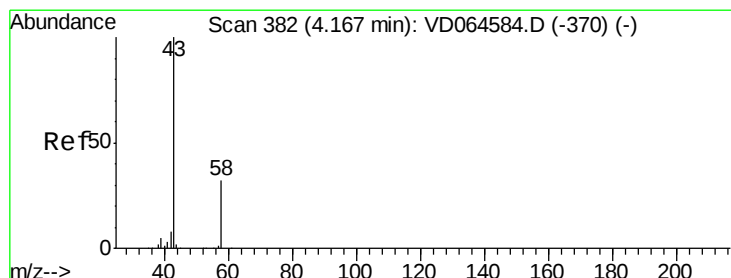
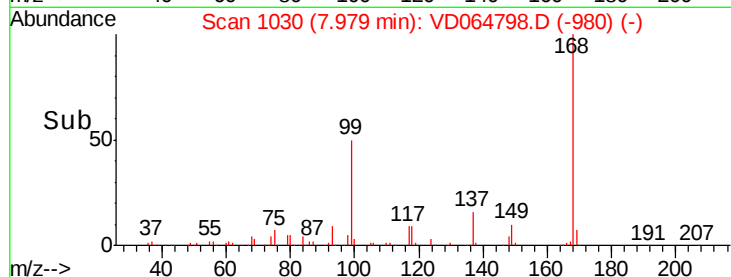
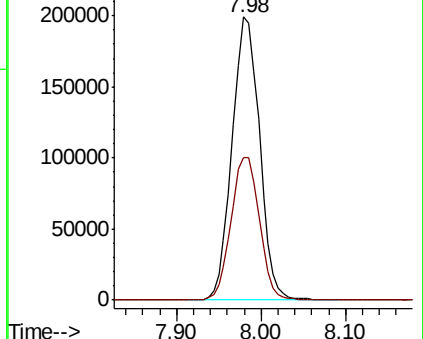
168 100

99 50.4 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 31.044 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064798.D

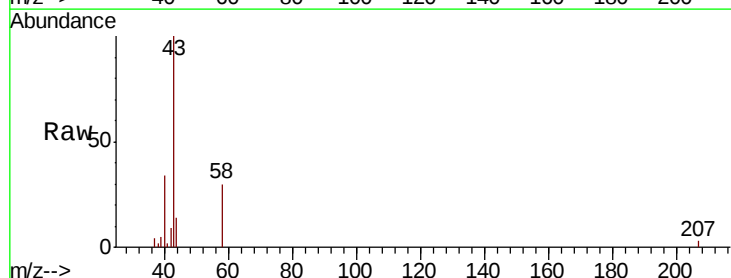
Acq: 07 Jan 2020 17:42

Tgt Ion: 43 Resp: 25142

Ion Ratio Lower Upper

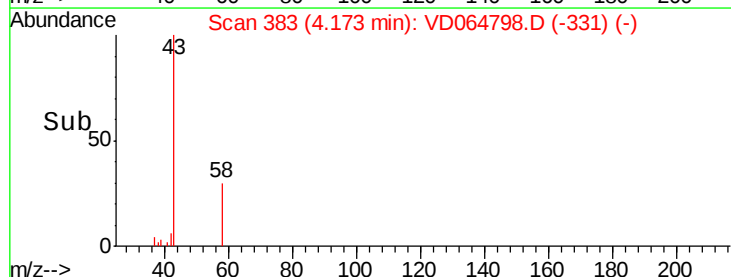
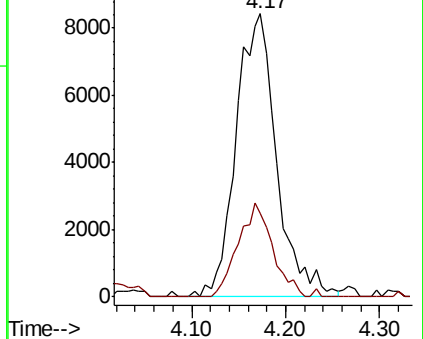
43 100

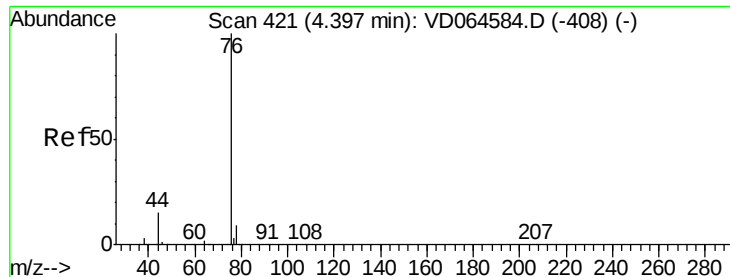
58 29.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.275 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_D

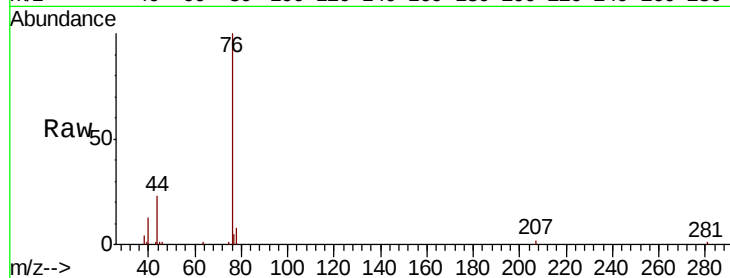
ClientSampled :

Tot Ion: 76 Resp: 67179

Ion Ratio Lower Upper

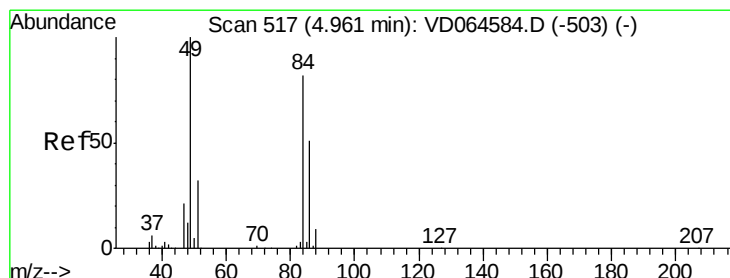
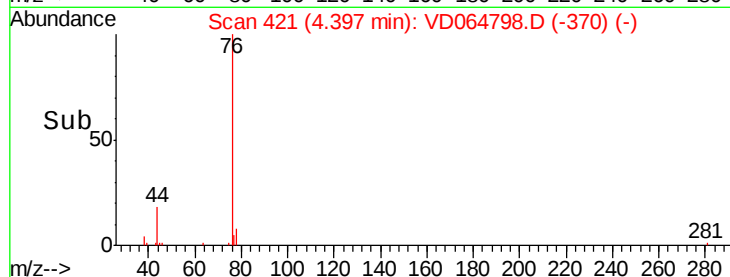
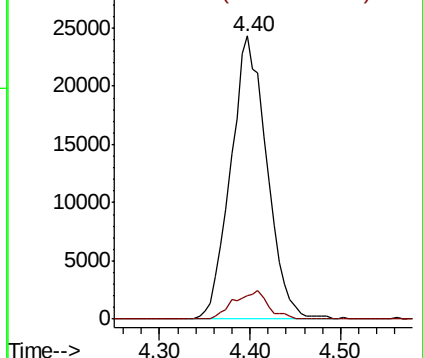
76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Tgt Ion: 84 Resp: 15135

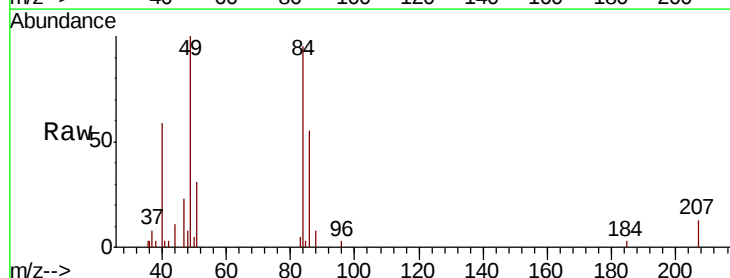
Ion Ratio Lower Upper

84 100

49 104.8 97.2 145.8

51 33.0 31.4 47.0

86 58.1 49.3 73.9

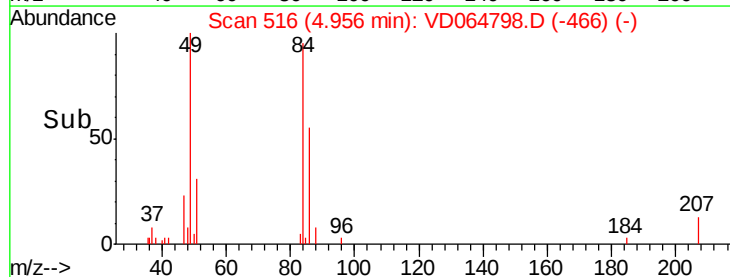
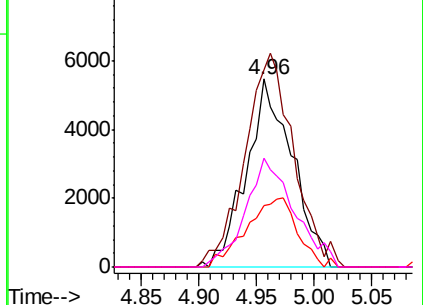


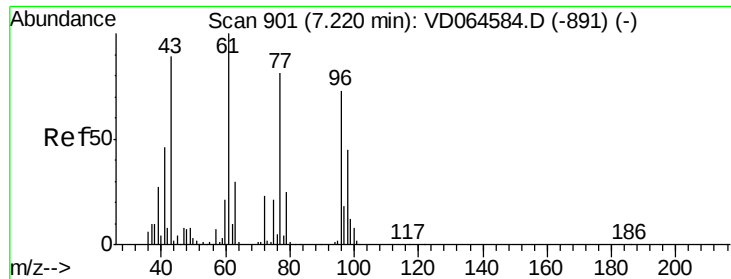
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#25

2-Butanone

Concen: 4.207 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_D

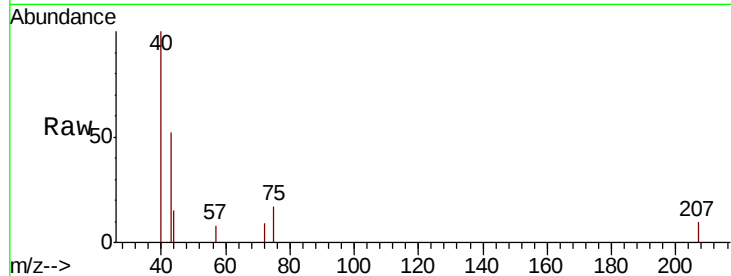
ClientSampleId :

Tot Ion: 43 Resp: 4565

Ion Ratio Lower Upper

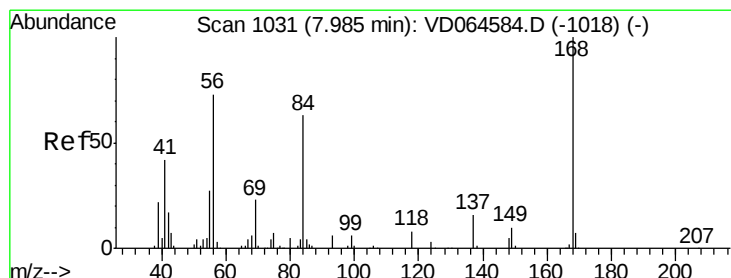
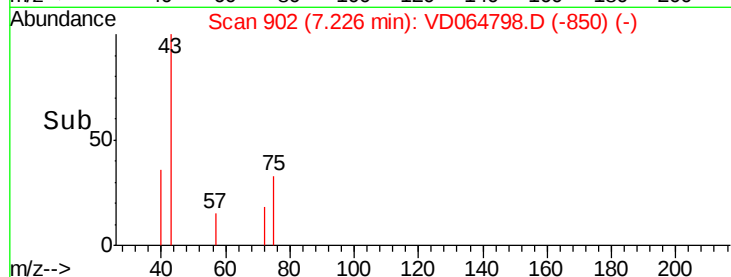
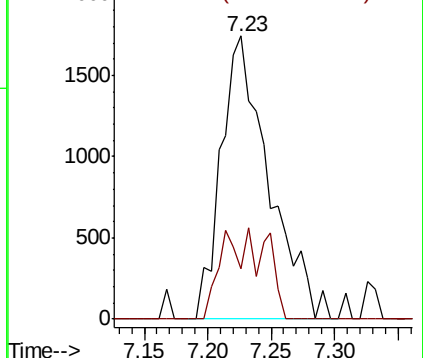
43 100

72 17.9 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

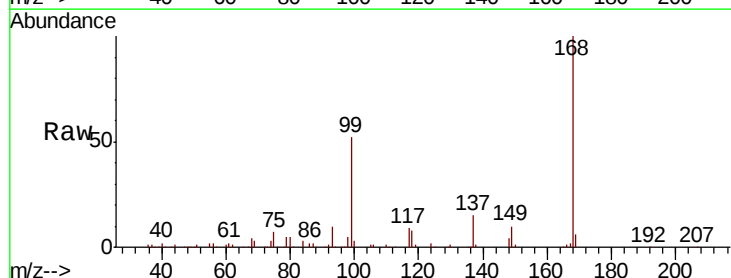
Tgt Ion: 56 Resp: 9768

Ion Ratio Lower Upper

56 100

69 141.9 24.7 37.1#

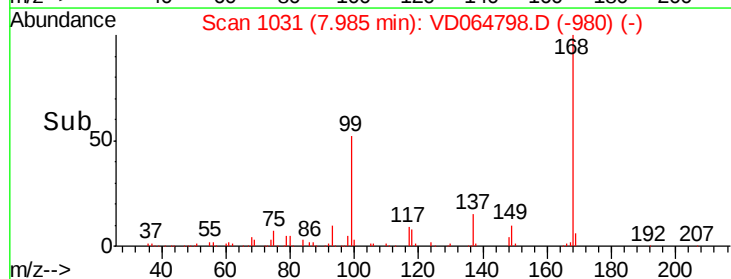
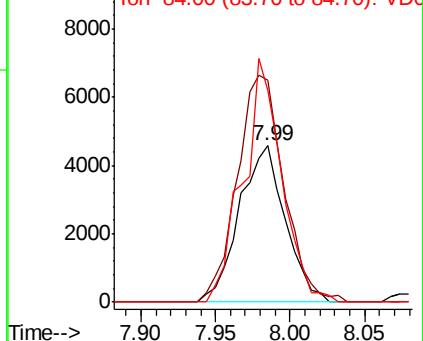
84 135.4 69.4 104.2#

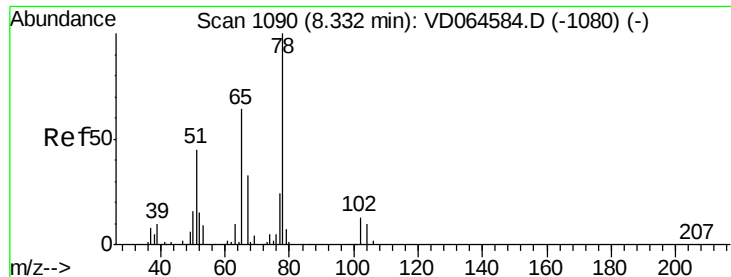


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.317 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_D

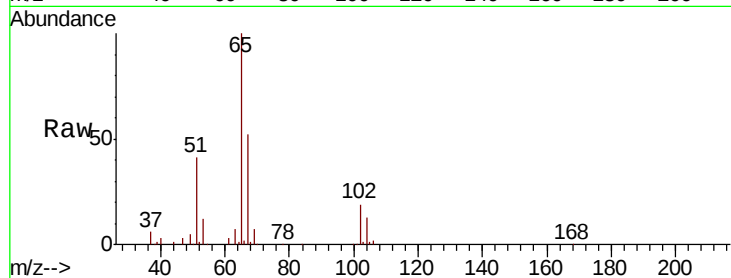
ClientSampleId :

Tot Ion: 65 Resp: 190750

Ion Ratio Lower Upper

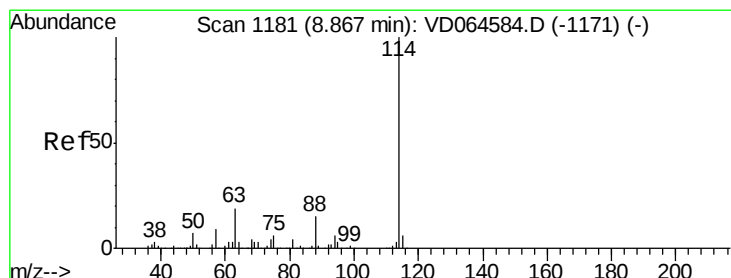
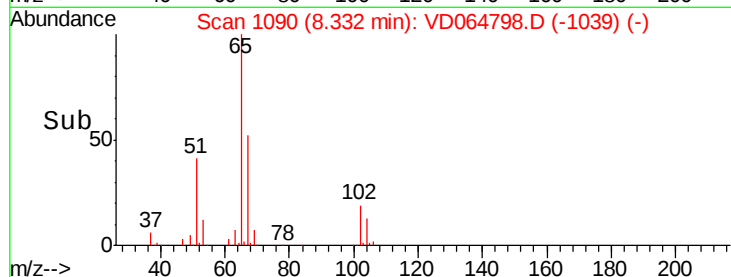
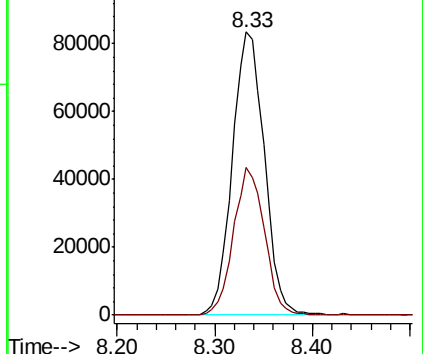
65 100

67 50.3 0.0 106.2



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: VD064798.D

Acq: 07 Jan 2020 17:42

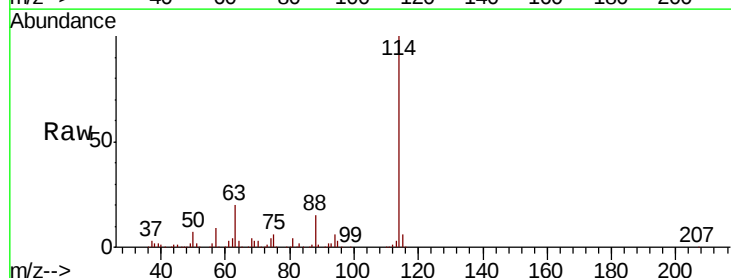
Tgt Ion: 114 Resp: 699450

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

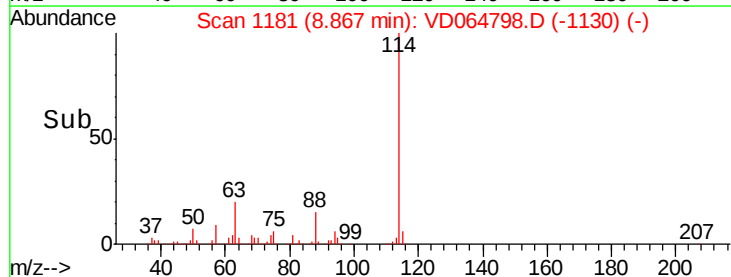
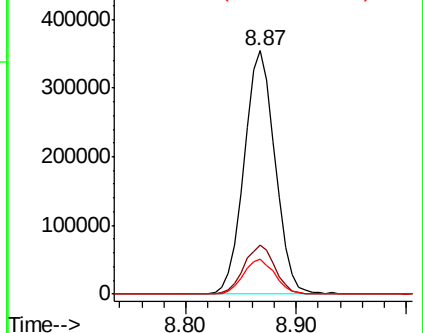
88 14.6 0.0 29.2

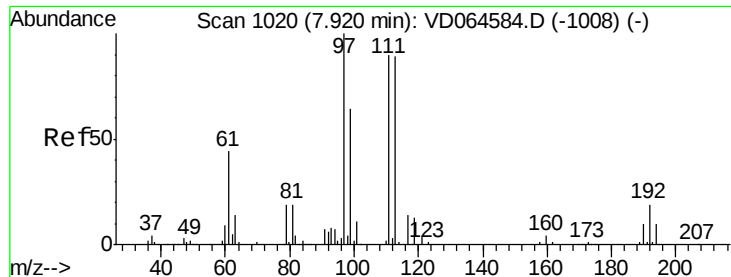


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

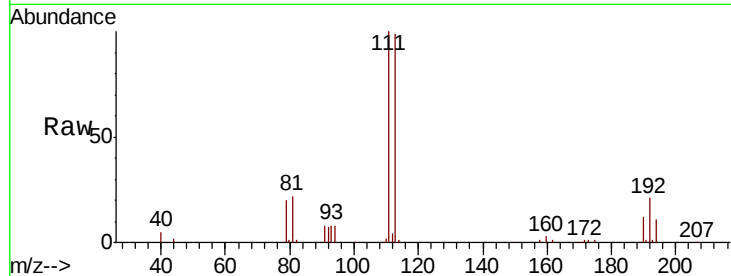




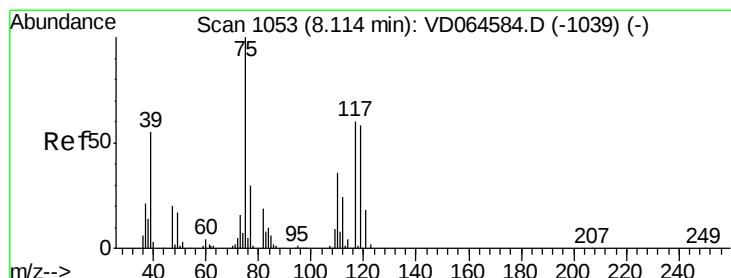
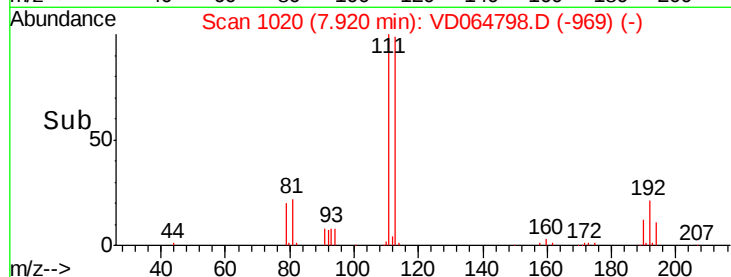
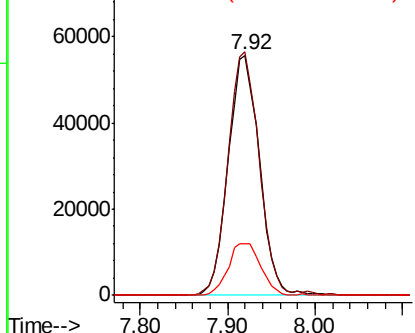
#35
 Dibromofluoromethane
 Concen: 31.566 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064798.D
 Acq: 07 Jan 2020 17:42

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	80.6	121.0
192	22.5	17.9	26.9

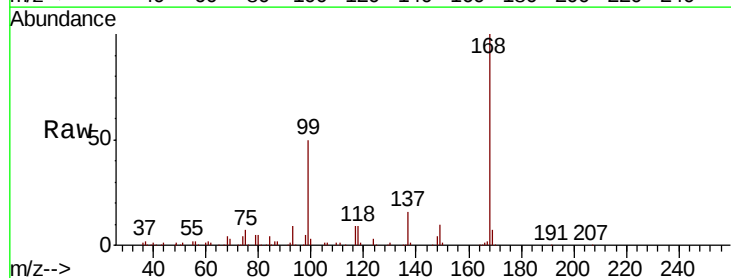


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

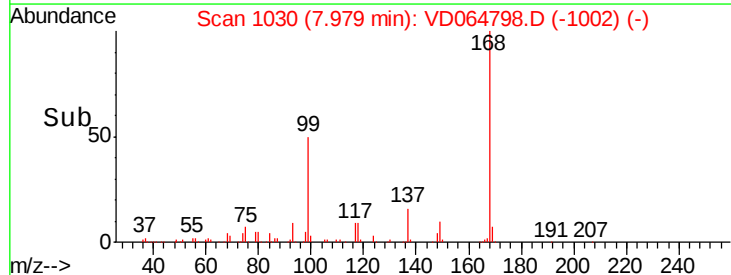
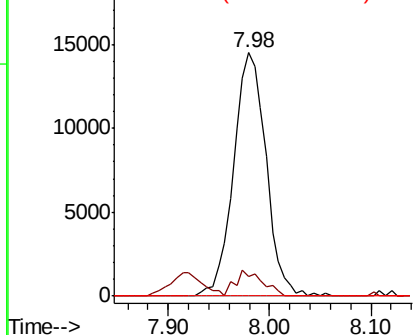


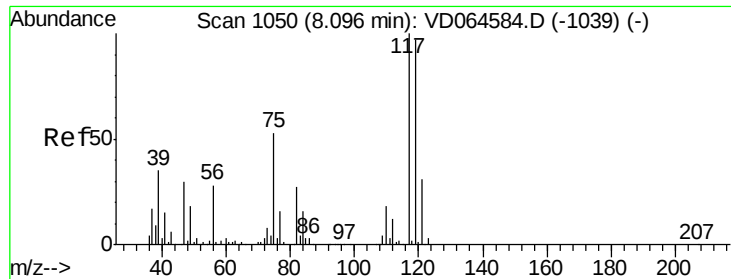
#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD064798.D
 Acq: 07 Jan 2020 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	24.2	36.4#



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





#38

Carbon Tetrachloride

Concen: 5.788 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :
MSVOA_D
ClientSampled :

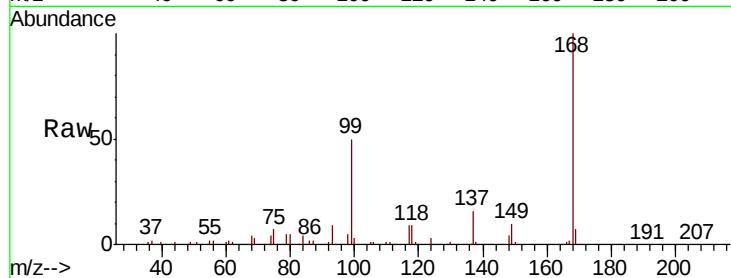
Tot Ion:117 Resp: 41552

Ion Ratio Lower Upper

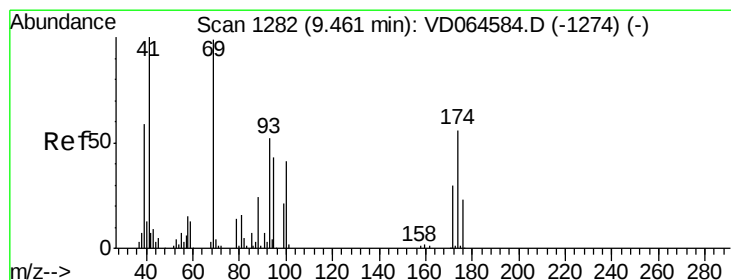
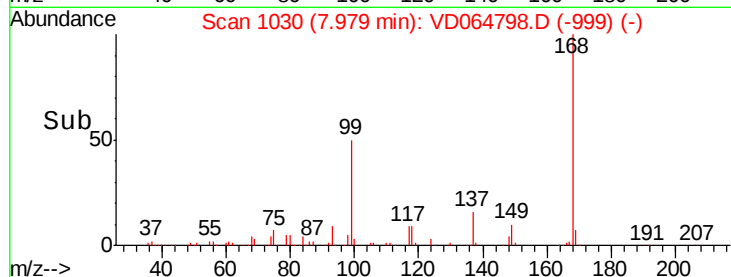
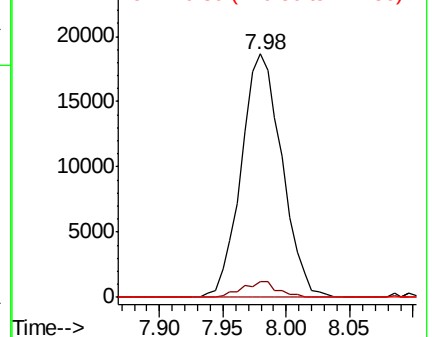
117 100

119 6.3 77.3 115.9#

121 0.0 25.0 37.6#



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



#49

1,4-Dioxane

Concen: 2.411 ug/l

RT: 9.21 min Scan# 1240

Delta R.T. -0.25 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

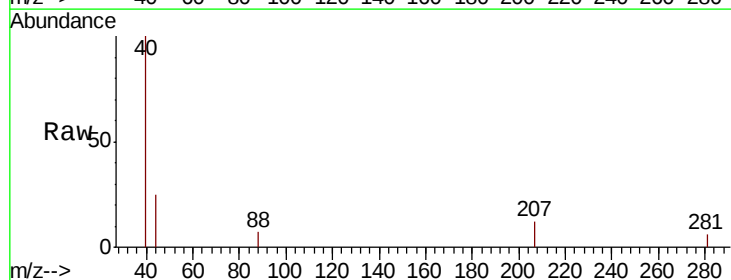
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

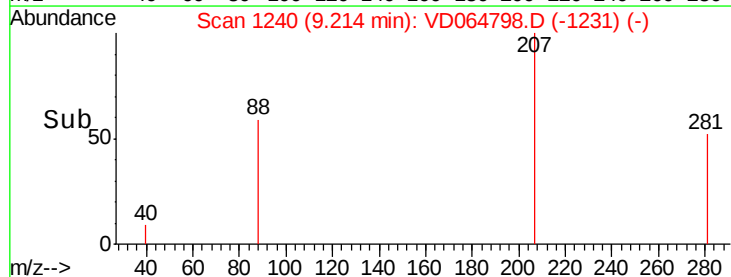
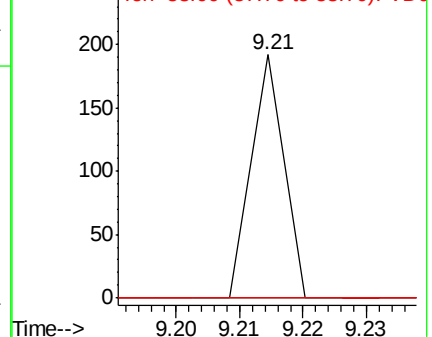
88 100

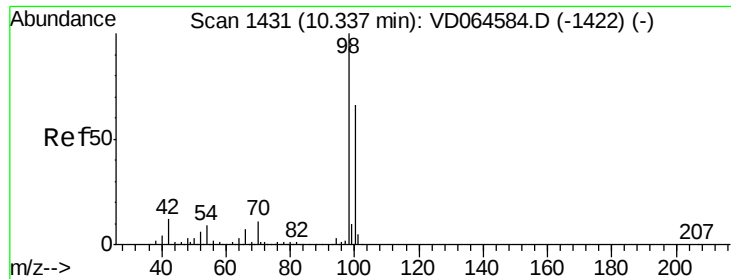
43 0.0 27.7 41.5#

58 0.0 53.8 80.6#



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

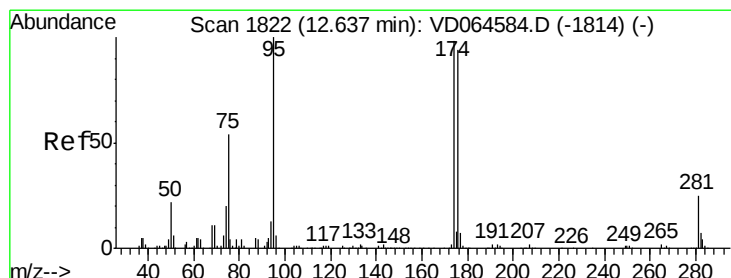
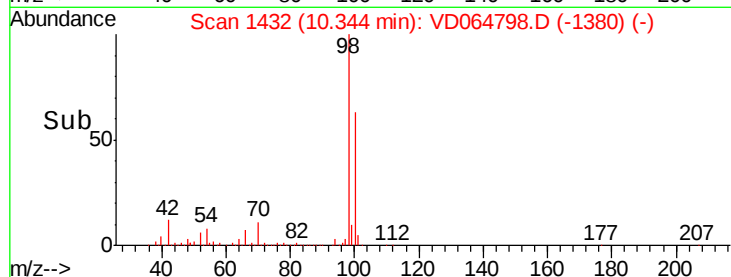
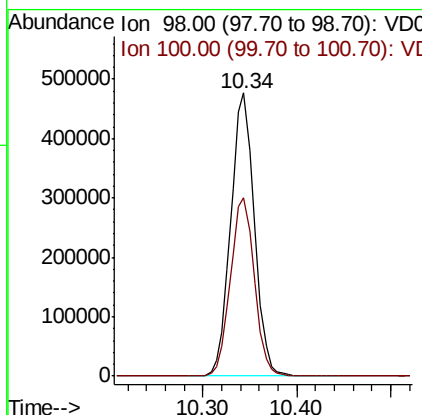
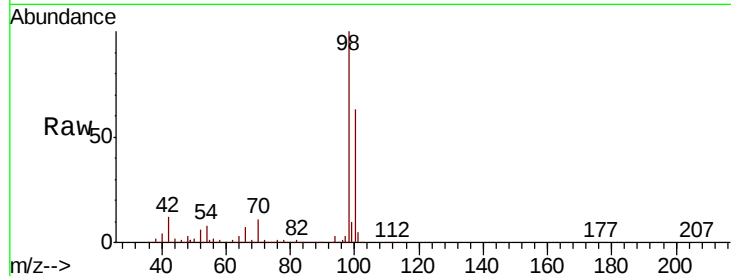




#50
Toluene-d8
Concen: 50.688 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064798.D
Acq: 07 Jan 2020 17:42

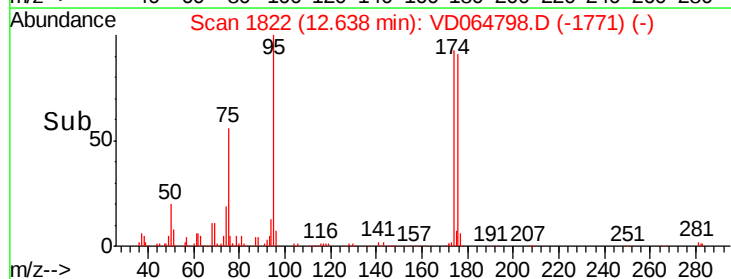
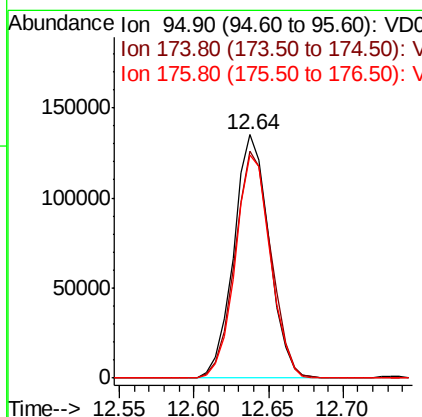
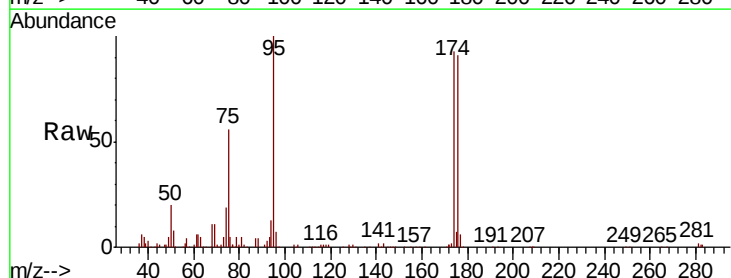
Instrument :
MSVOA_D
ClientSampled :

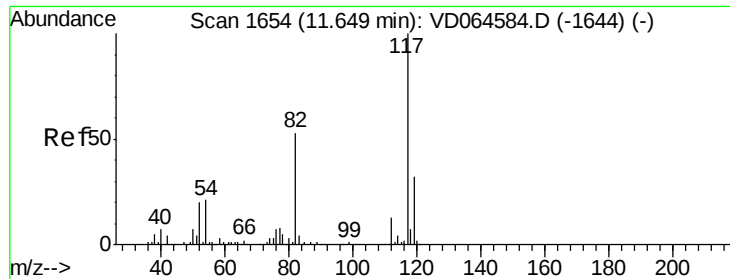
Tot Ion: 98 Resp: 833052
Ion Ratio Lower Upper
98 100
100 63.9 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.884 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064798.D
Acq: 07 Jan 2020 17:42

Tgt Ion: 95 Resp: 222865
Ion Ratio Lower Upper
95 100
174 94.4 0.0 193.2
176 90.4 0.0 184.2

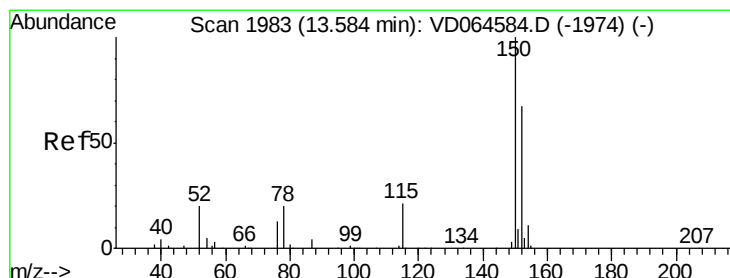
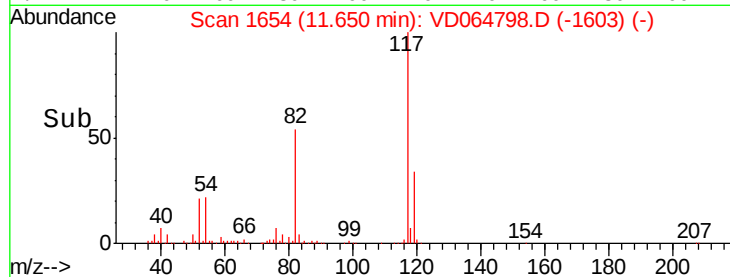
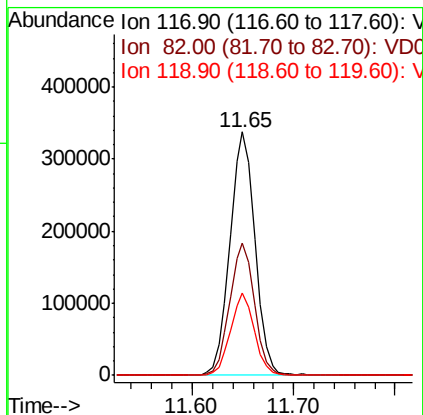
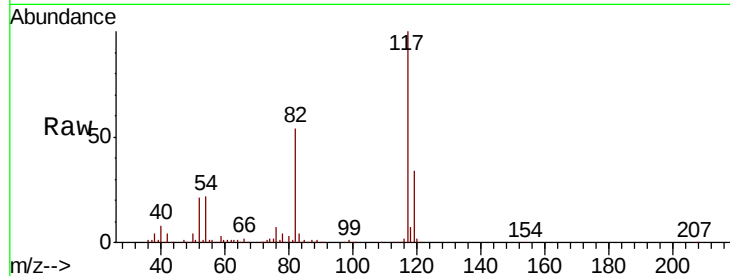




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064798.D
Acq: 07 Jan 2020 17:42

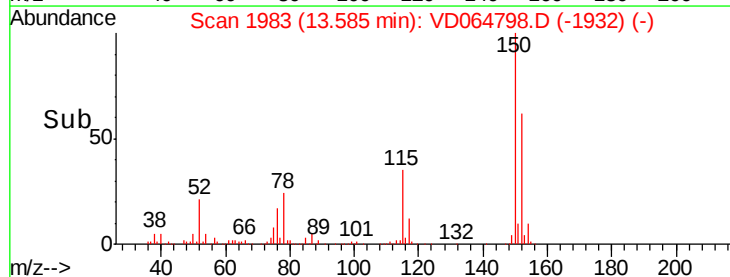
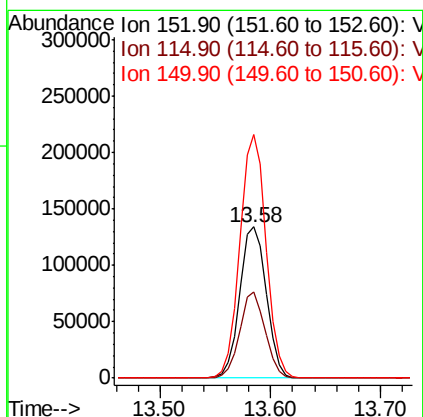
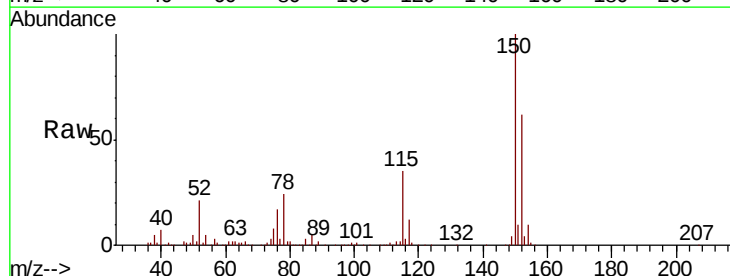
Instrument :
MSVOA_D
ClientSampleId :

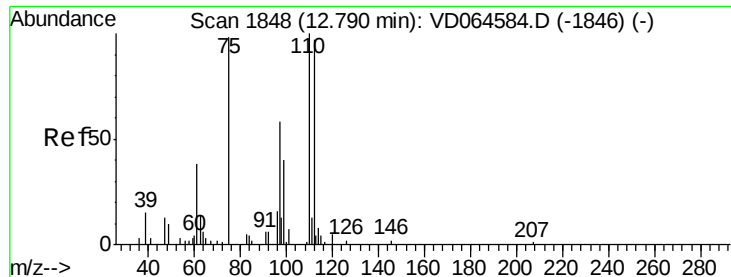
Tot Ion:117 Resp: 579985
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.4
119 33.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064798.D
Acq: 07 Jan 2020 17:42

Tgt Ion:152 Resp: 227410
Ion Ratio Lower Upper
152 100
115 54.4 27.8 83.4
150 157.9 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 67.007 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

Instrument :

MSVOA_D

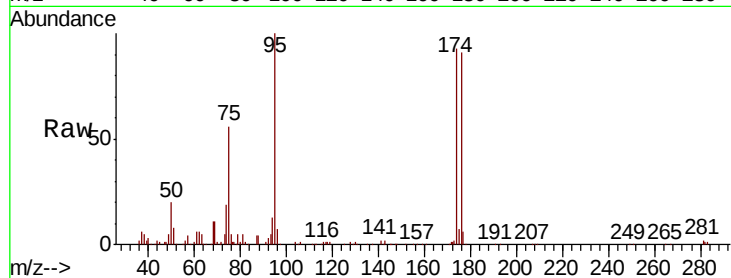
ClientSampleId :

Tot Ion: 75 Resp: 120330

Ion Ratio Lower Upper

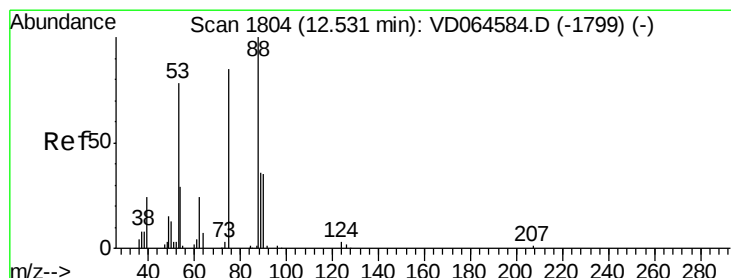
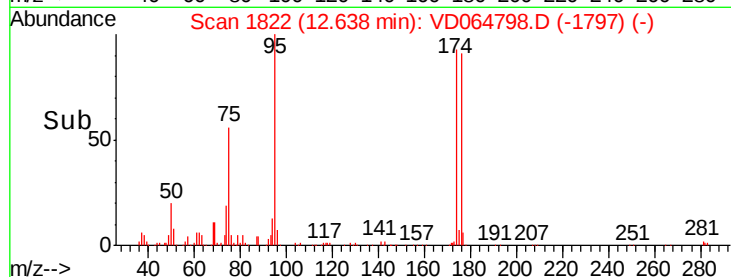
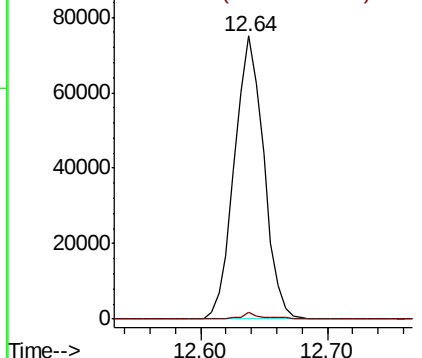
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 140.144 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064798.D

Acq: 07 Jan 2020 17:42

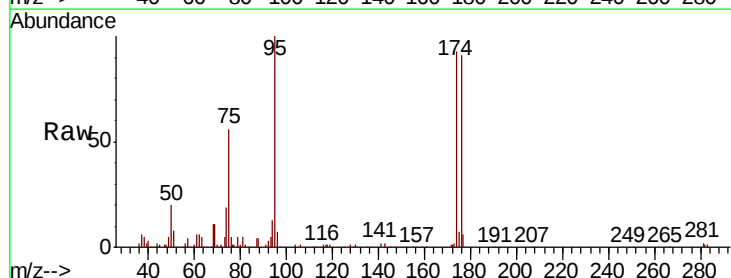
Tgt Ion: 75 Resp: 120330

Ion Ratio Lower Upper

75 100

53 0.1 78.8 118.2#

89 0.1 38.3 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

