

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064812.D
 Acq On : 09 Jan 2020 12:57
 Operator : VA/SY
 Sample : L1060-01
 Misc : 5.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 09 13:58:43 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

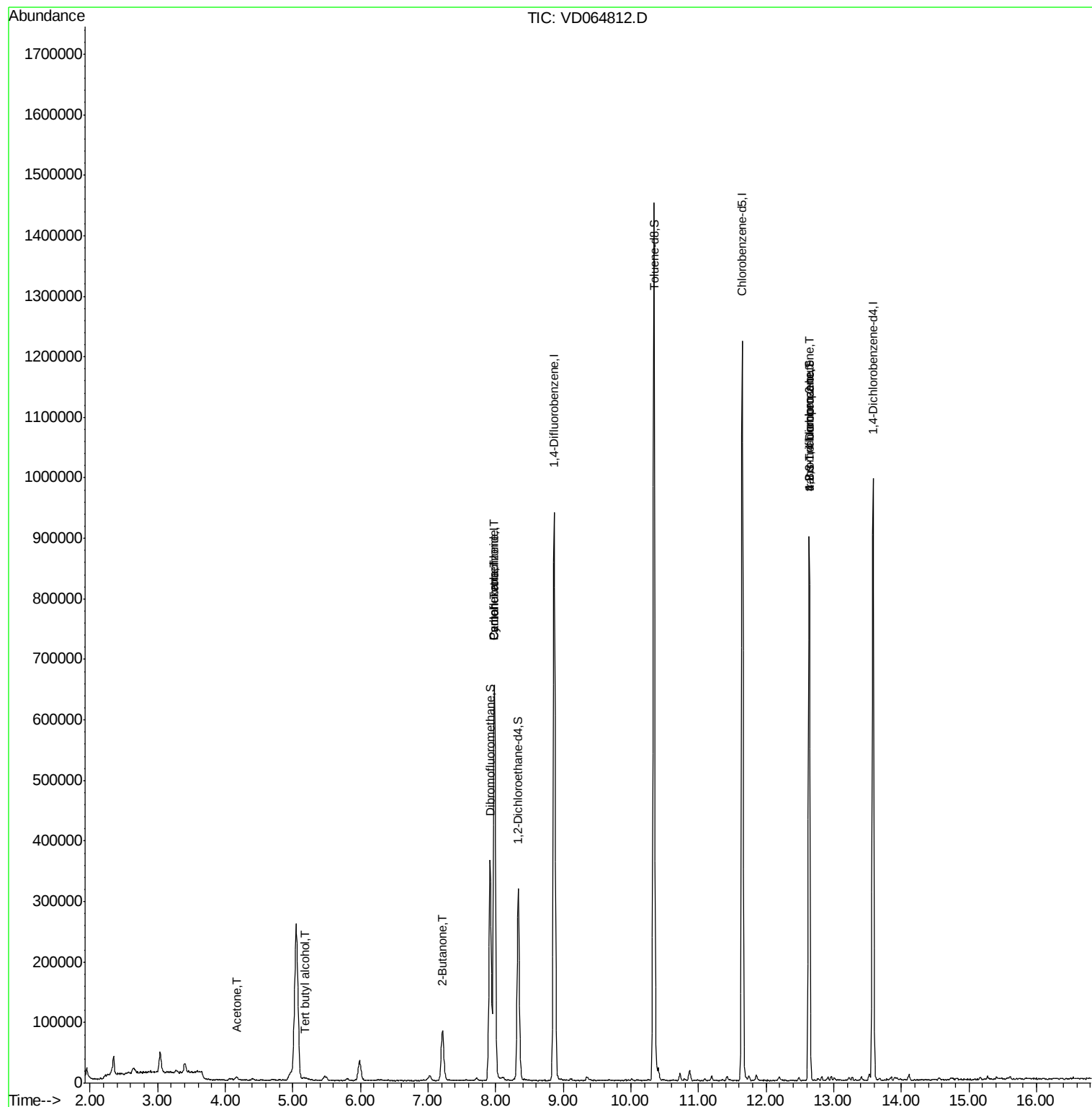
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	514258	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	802295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264047	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	252999	55.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.58%	
35) Dibromofluoromethane	7.92	113	250271	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
50) Toluene-d8	10.34	98	959836	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.64	95	262175	43.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.96%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.18	59	5938	22.849	ug/l #	70
16) Acetone	4.17	43	8820	12.328	ug/l	96
20) Methylene Chloride	4.97	84	7965	Below Cal	#	85
25) 2-Butanone	7.21	43	5599	4.492	ug/l	95
31) Cyclohexane	7.98	56	13058	1.544	ug/l #	33
38) Carbon Tetrachloride	7.98	117	50604	6.146	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	141302	67.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	141302	141.735	ug/l #	10

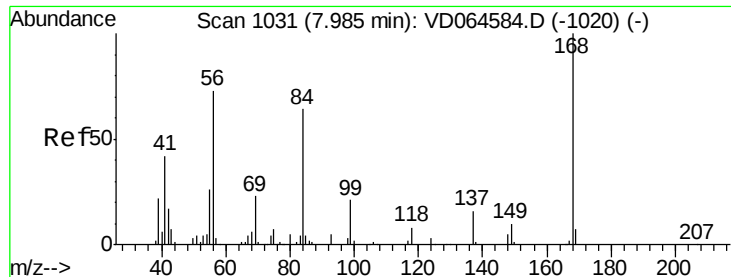
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD010920\
Data File : VD064812.D
Acq On : 09 Jan 2020 12:57
Operator : VA/SY
Sample : L1060-01
Misc : 5.61G/5.00ml/MSVOA D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jan 09 13:58:43 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: VD064812.D

Acq: 09 Jan 2020 12:57

Instrument :

MSVOA_D

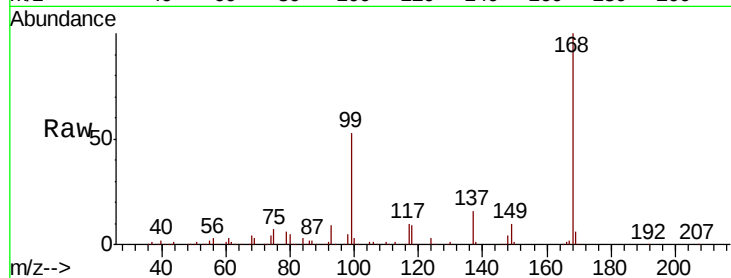
ClientSampleId :

Tot Ion:168 Resp: 514258

Ion Ratio Lower Upper

168 100

99 53.3 41.8 62.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

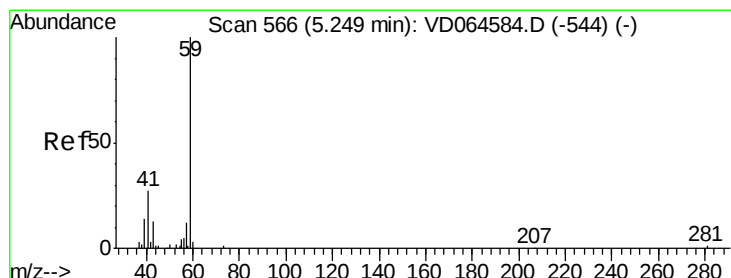
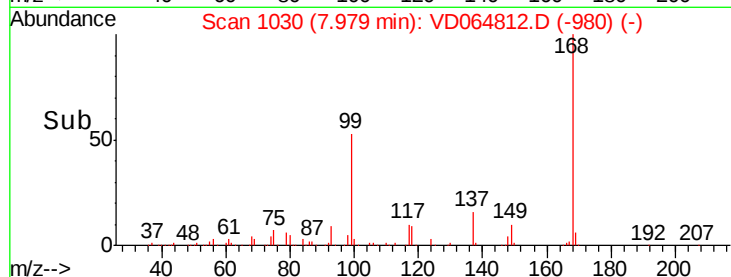
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 22.849 ug/l

RT: 5.18 min Scan# 555

Delta R.T. -0.06 min

Lab File: VD064812.D

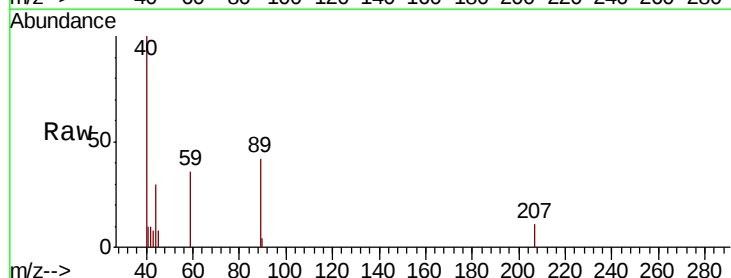
Acq: 09 Jan 2020 12:57

Tgt Ion: 59 Resp: 5938

Ion Ratio Lower Upper

59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

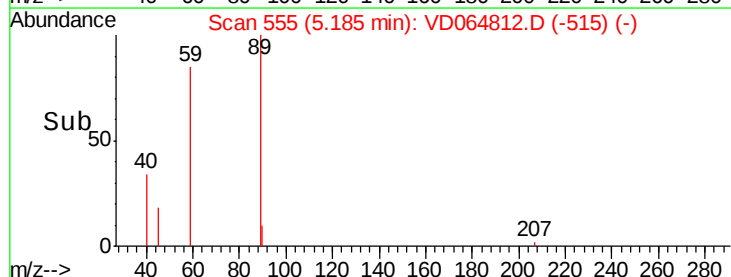
1500

1000

500

0

Time-->





#16

Acetone

Concen: 12.328 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

Instrument :

MSVOA_D

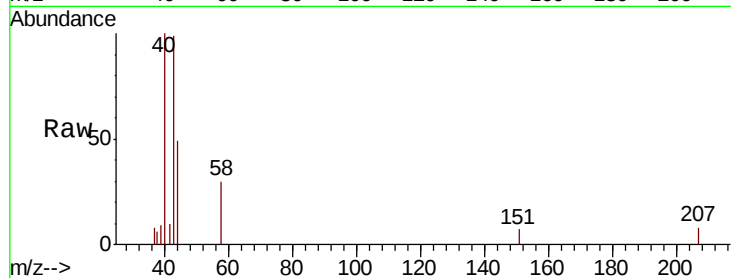
ClientSampleId :

Tot Ion: 43 Resp: 8820

Ion Ratio Lower Upper

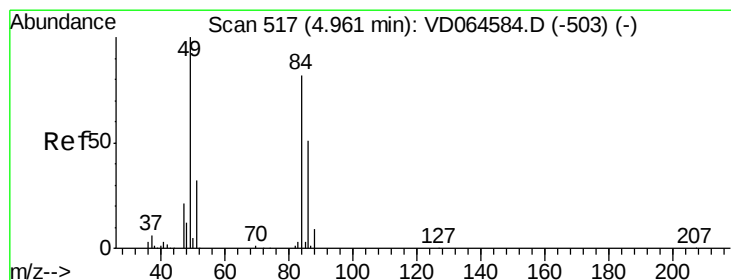
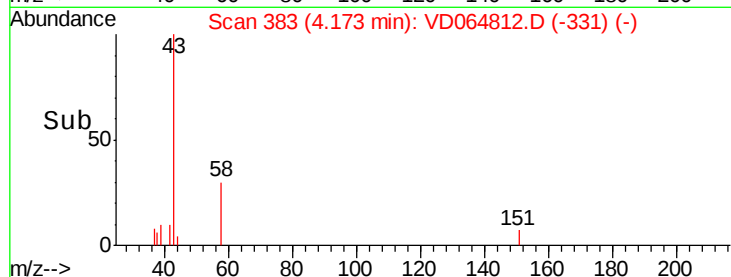
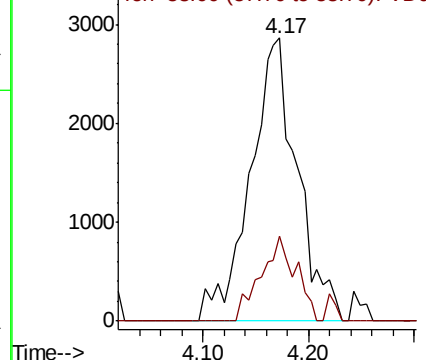
43 100

58 30.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

Tgt Ion: 84 Resp: 7965

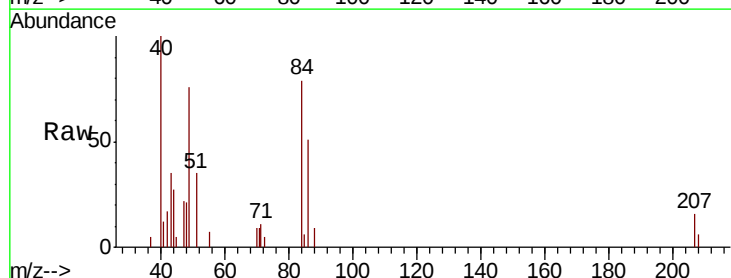
Ion Ratio Lower Upper

84 100

49 96.9 97.2 145.8#

51 43.8 31.4 47.0

86 65.1 49.3 73.9

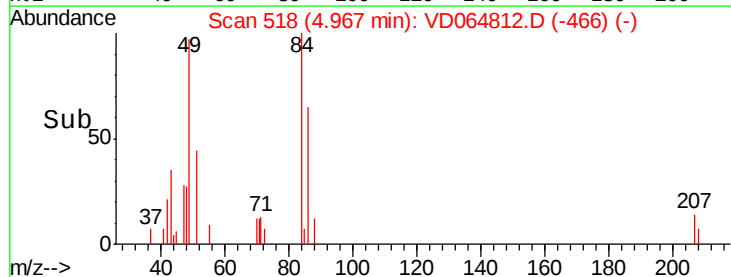
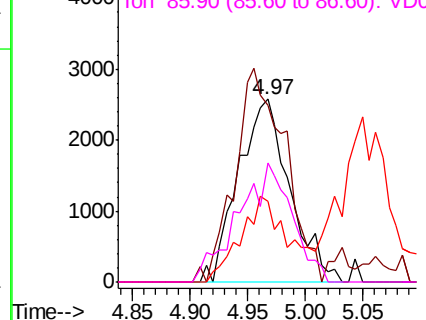


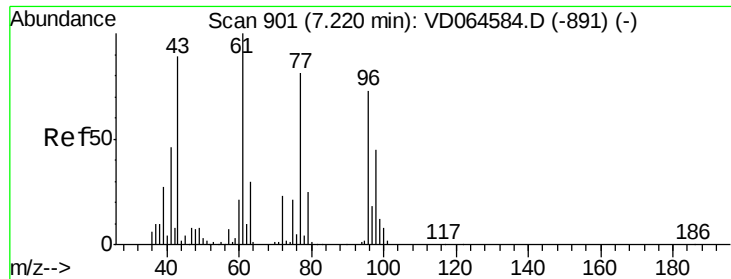
Abundance Ion 83.90 (83.60 to 84.60): VDC

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: 4.492 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

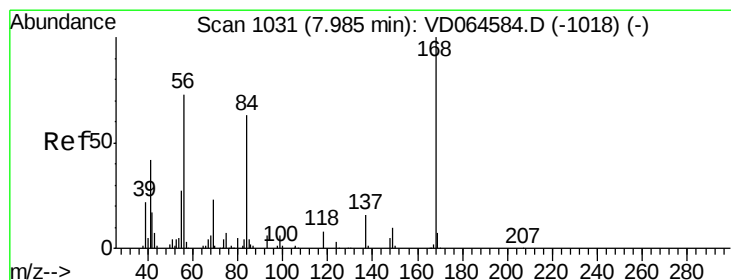
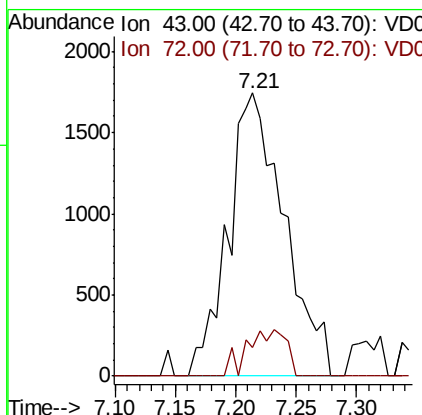
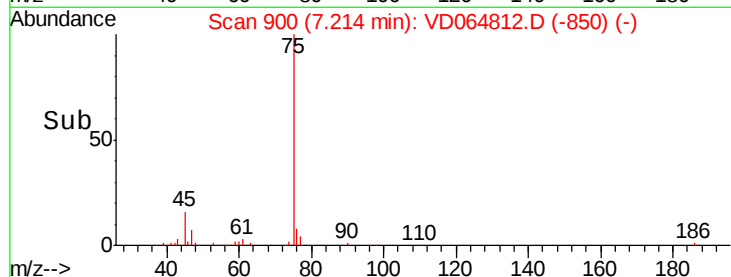
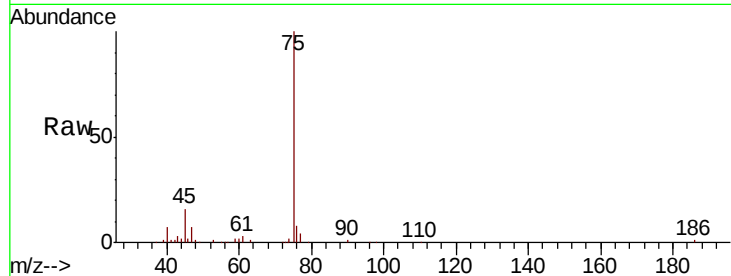
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 5599

Ion Ratio Lower Upper

43 100

72 23.4 20.7 31.1



#31

Cyclohexane

Concen: 1.544 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

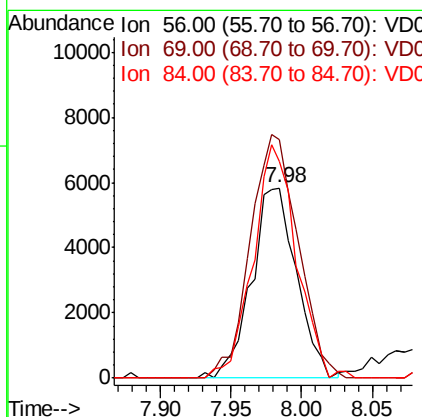
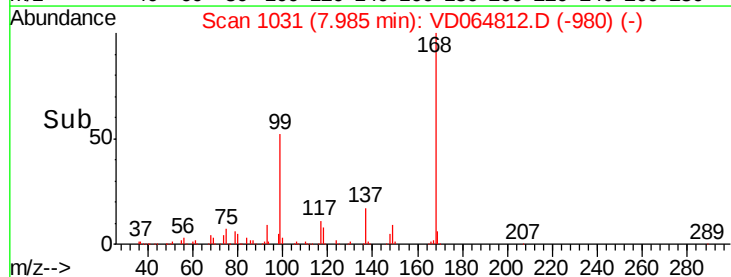
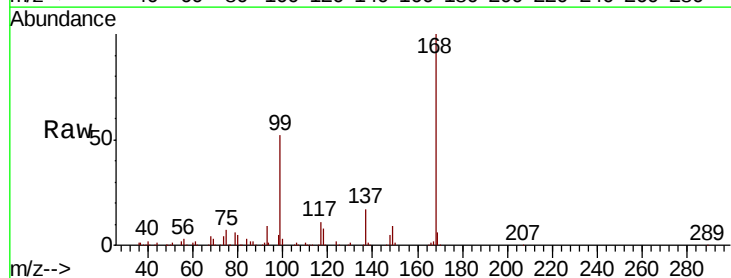
Tgt Ion: 56 Resp: 13058

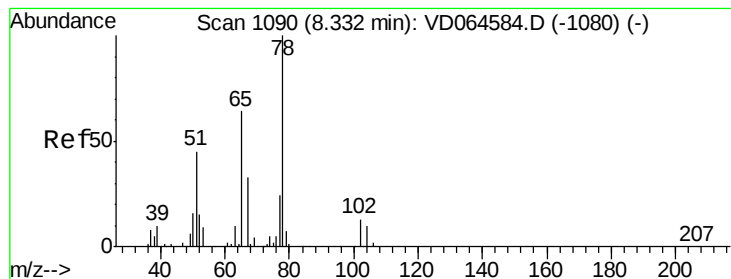
Ion Ratio Lower Upper

56 100

69 125.2 24.7 37.1#

84 113.8 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.792 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

Instrument :

MSVOA_D

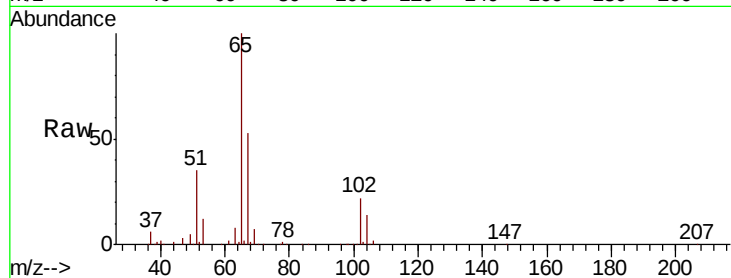
ClientSampleId :

Tot Ion: 65 Resp: 252999

Ion Ratio Lower Upper

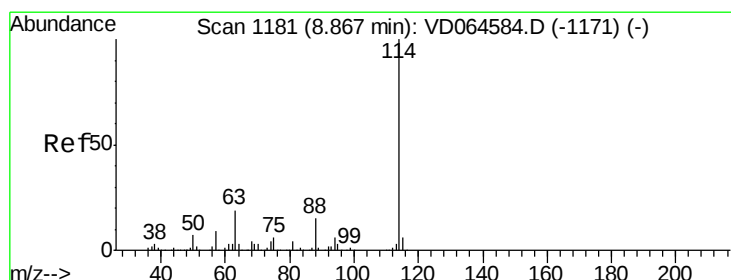
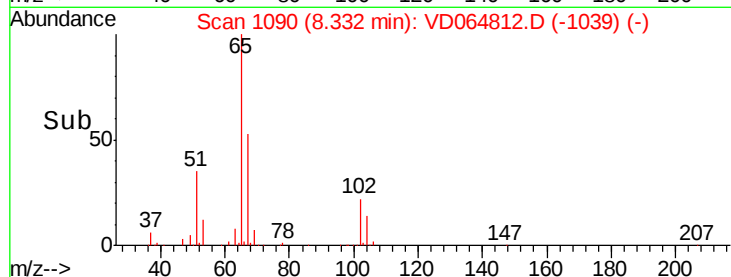
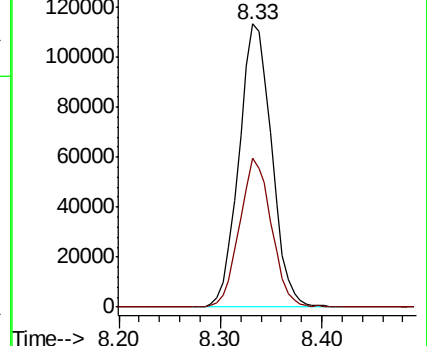
65 100

67 51.7 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: VD064812.D

Acq: 09 Jan 2020 12:57

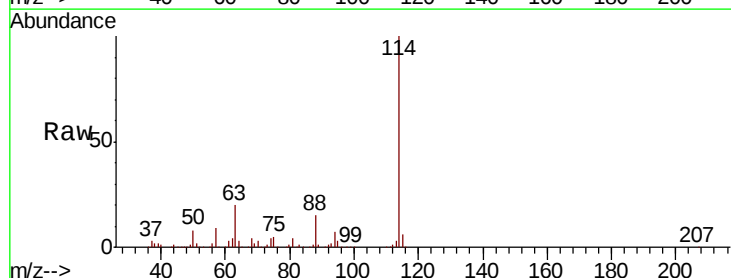
Tgt Ion: 114 Resp: 802295

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.0

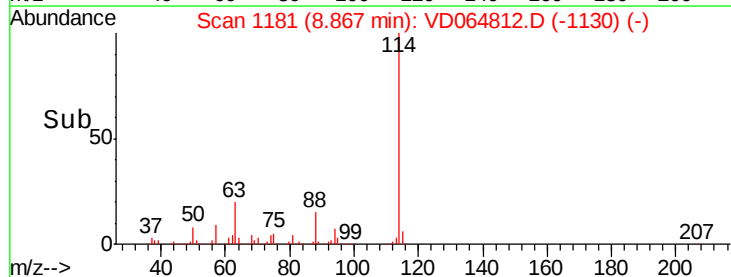
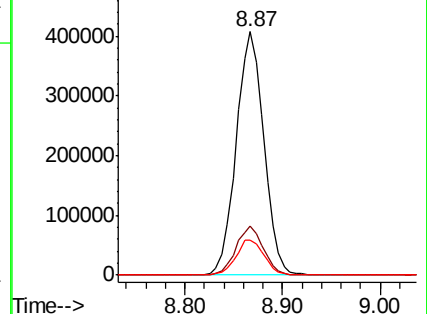
88 14.6 0.0 29.2

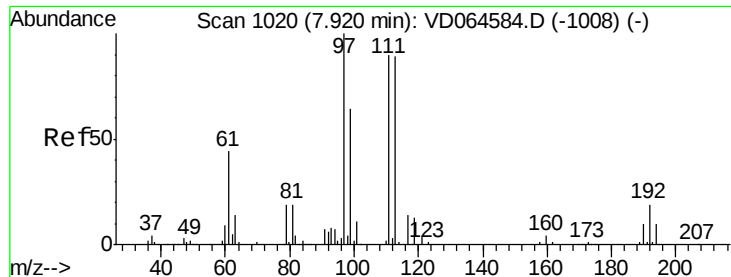


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

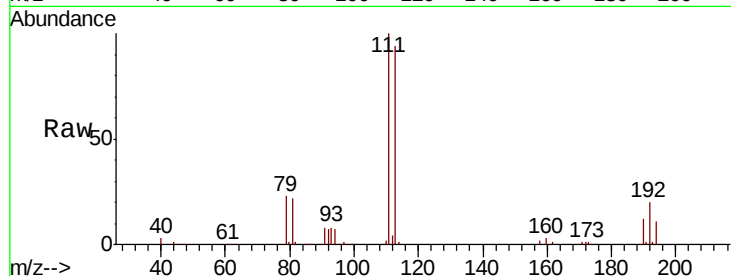




#35
 Dibromofluoromethane
 Concen: 50.845 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064812.D
 Acq: 09 Jan 2020 12:57

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.6	121.0
192	22.4	17.9	26.9

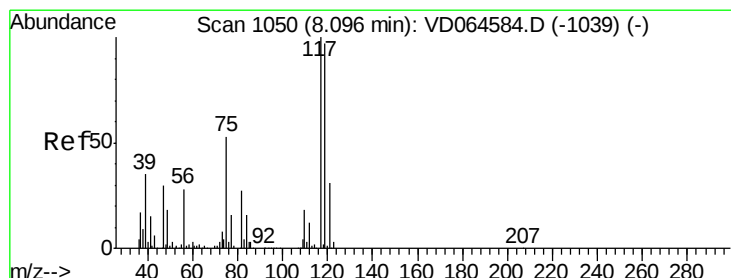
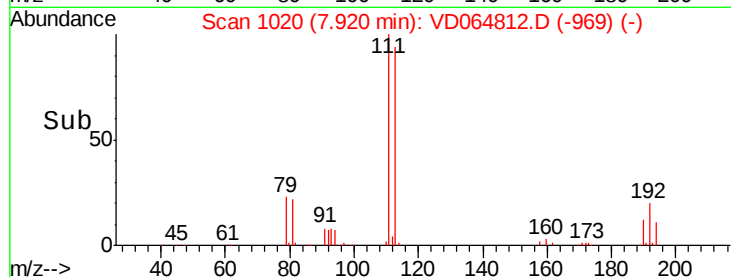
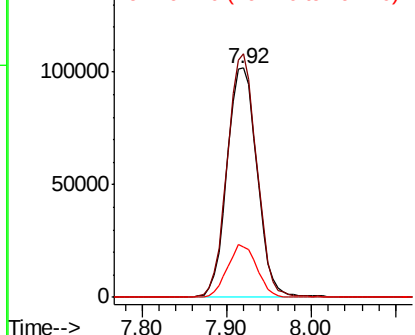


Abundance

Ion 112.80 (112.50 to 113.50): V

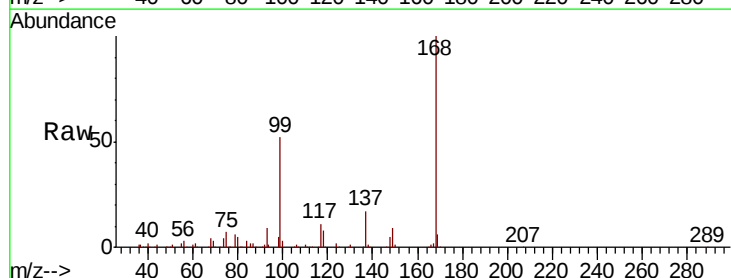
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#38
 Carbon Tetrachloride
 Concen: 6.146 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064812.D
 Acq: 09 Jan 2020 12:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.3	115.9#
121	0.0	25.0	37.6#

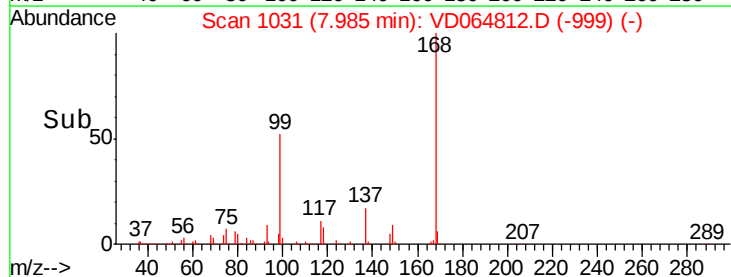
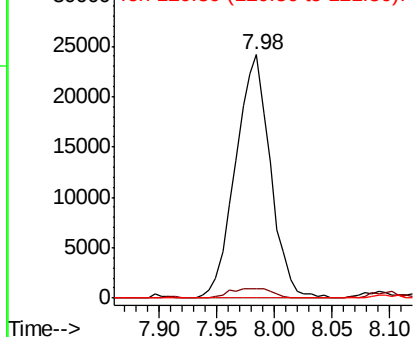


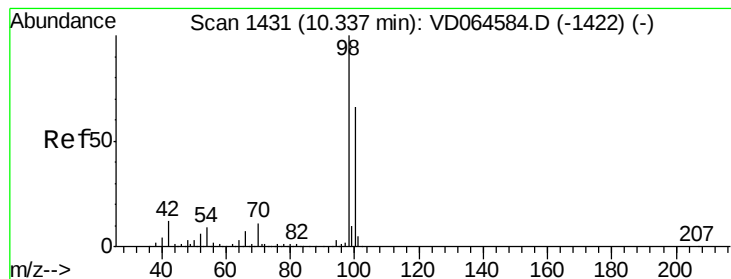
Abundance

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





#50

Toluene-d8

Concen: 50.915 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

Instrument :

MSVOA_D

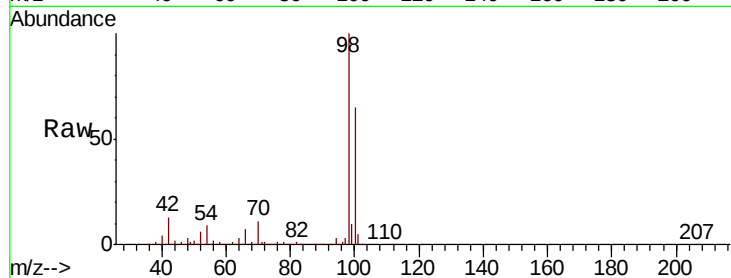
ClientSampleId :

Tot Ion: 98 Resp: 959836

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VD064584.D (-1422) (-)

Ion 100.00 (99.70 to 100.70): VD064584.D (-1422) (-)

10.34

600000

500000

400000

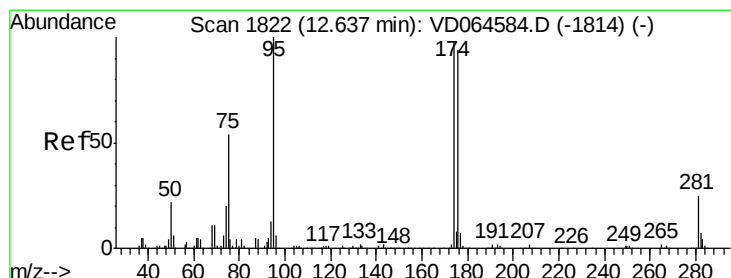
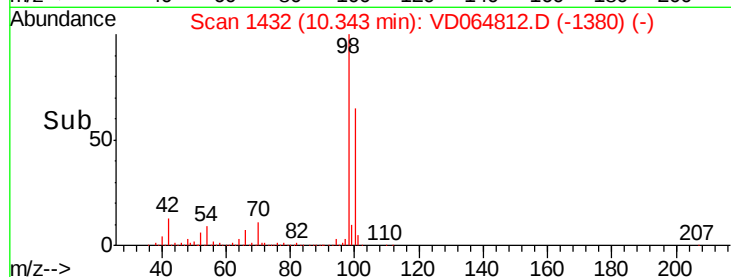
300000

200000

100000

0

Time--> 10.20 10.30 10.40 10.50



#62

4-Bromofluorobenzene

Concen: 43.981 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

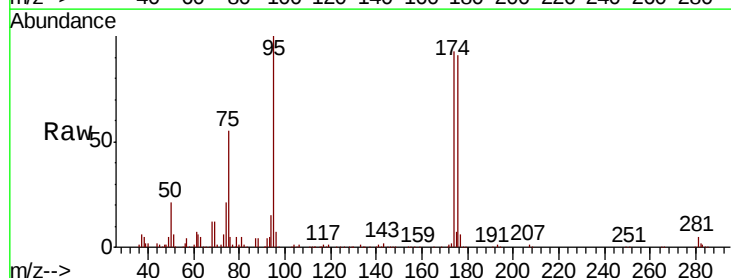
Tgt Ion: 95 Resp: 262175

Ion Ratio Lower Upper

95 100

174 92.8 0.0 193.2

176 90.5 0.0 184.2



Abundance Ion 94.90 (94.60 to 95.60): VD064584.D (-1814) (-)

Ion 173.80 (173.50 to 174.50): VD064584.D (-1814) (-)

Ion 175.80 (175.50 to 176.50): VD064584.D (-1814) (-)

12.64

200000

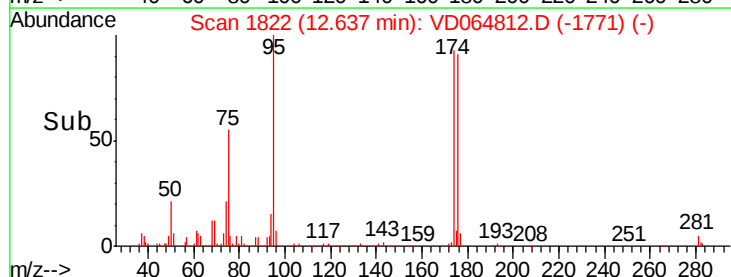
150000

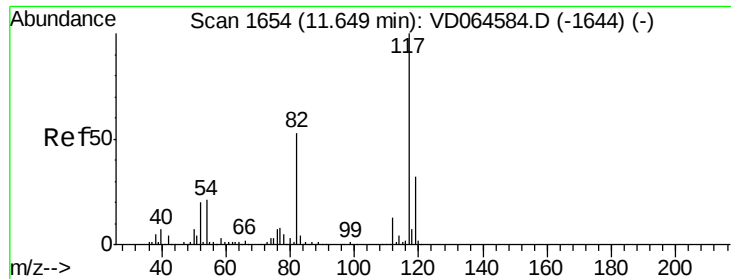
100000

50000

0

Time--> 12.55 12.60 12.65 12.70

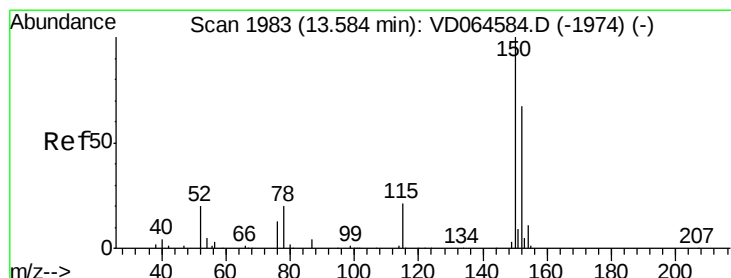
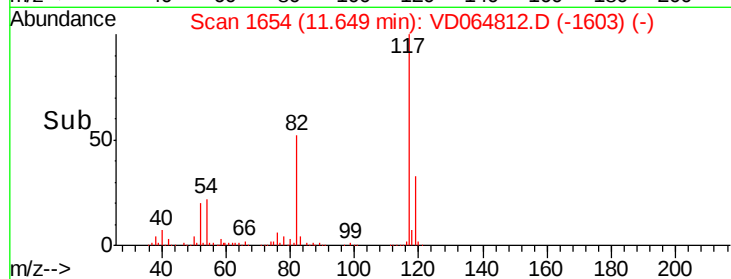
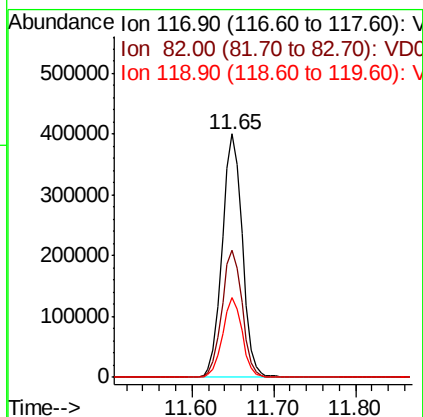
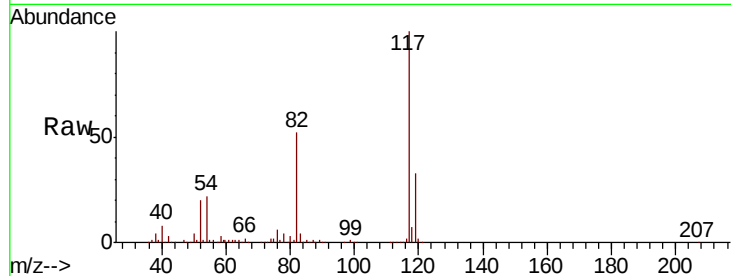




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064812.D
Acq: 09 Jan 2020 12:57

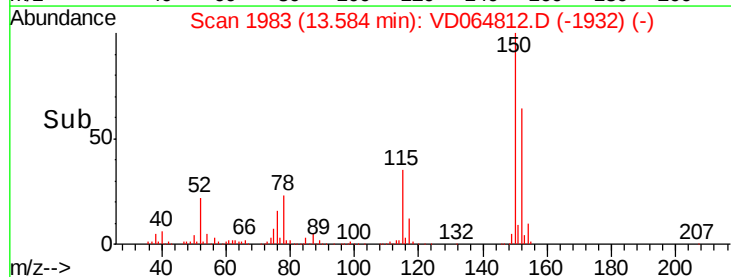
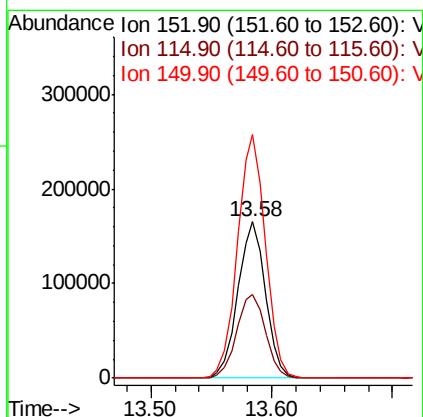
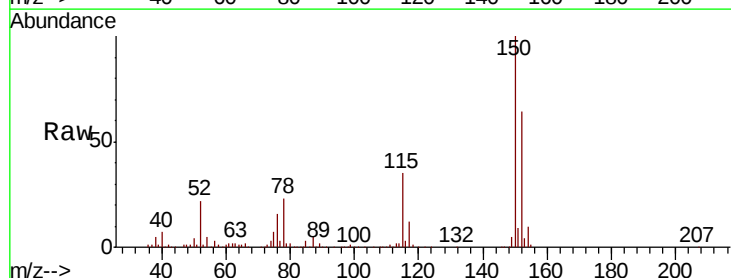
Instrument :
MSVOA_D
ClientSampleId :

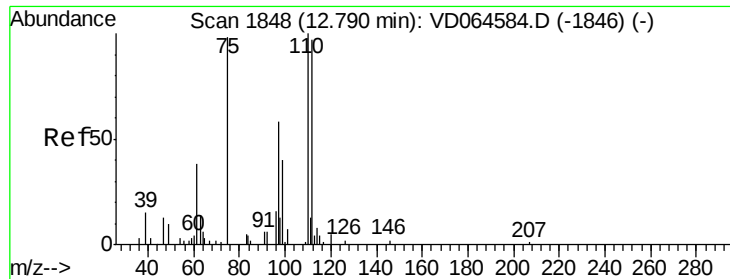
Tot Ion:117 Resp: 686404
Ion Ratio Lower Upper
117 100
82 52.4 42.2 63.4
119 32.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064812.D
Acq: 09 Jan 2020 12:57

Tgt Ion:152 Resp: 264047
Ion Ratio Lower Upper
152 100
115 55.7 27.8 83.4
150 156.9 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 67.768 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

Instrument :

MSVOA_D

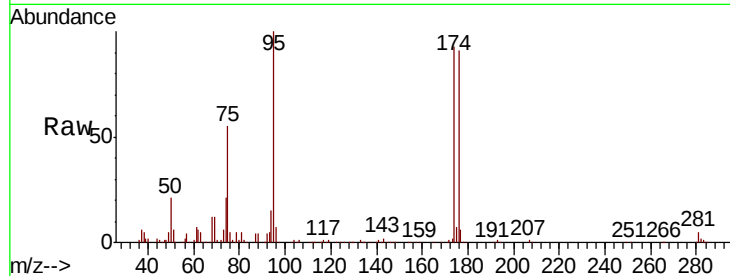
ClientSampleId :

Tot Ion: 75 Resp: 141302

Ion Ratio Lower Upper

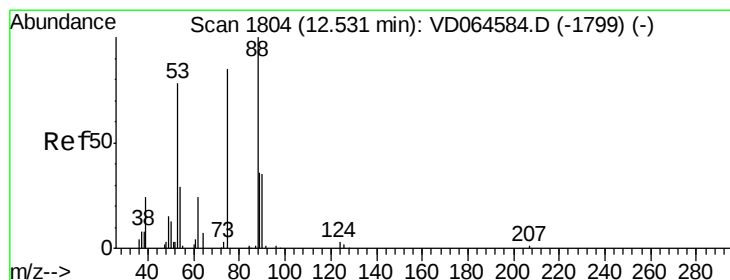
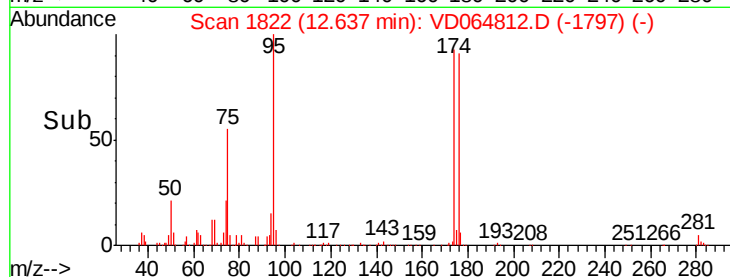
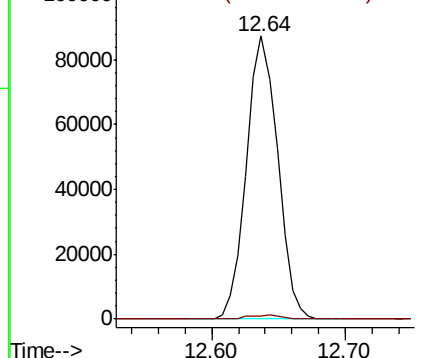
75 100

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: 141.735 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064812.D

Acq: 09 Jan 2020 12:57

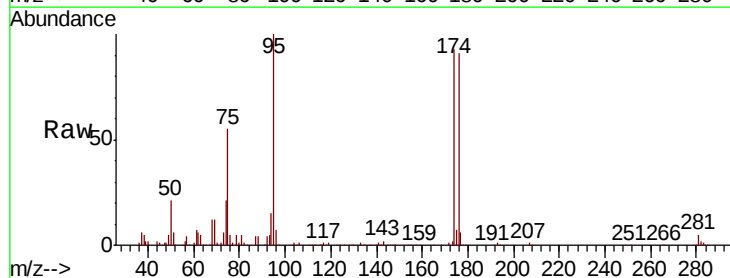
Tgt Ion: 75 Resp: 141302

Ion Ratio Lower Upper

75 100

53 0.0 78.8 118.2#

89 0.0 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

