

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065449.D
 Acq On : 09 Mar 2020 14:54
 Operator : VA/SY
 Sample : L1844-05
 Misc : 7.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:22:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	532033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	914922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	851462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	395356	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	268778	58.89	ug/l	0.00
Spiked Amount			Recovery	=	117.78%	
35) Dibromofluoromethane	7.92	113	298065	52.68	ug/l	0.00
Spiked Amount			Recovery	=	105.36%	
50) Toluene-d8	10.34	98	1121086	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.64	95	341666	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	

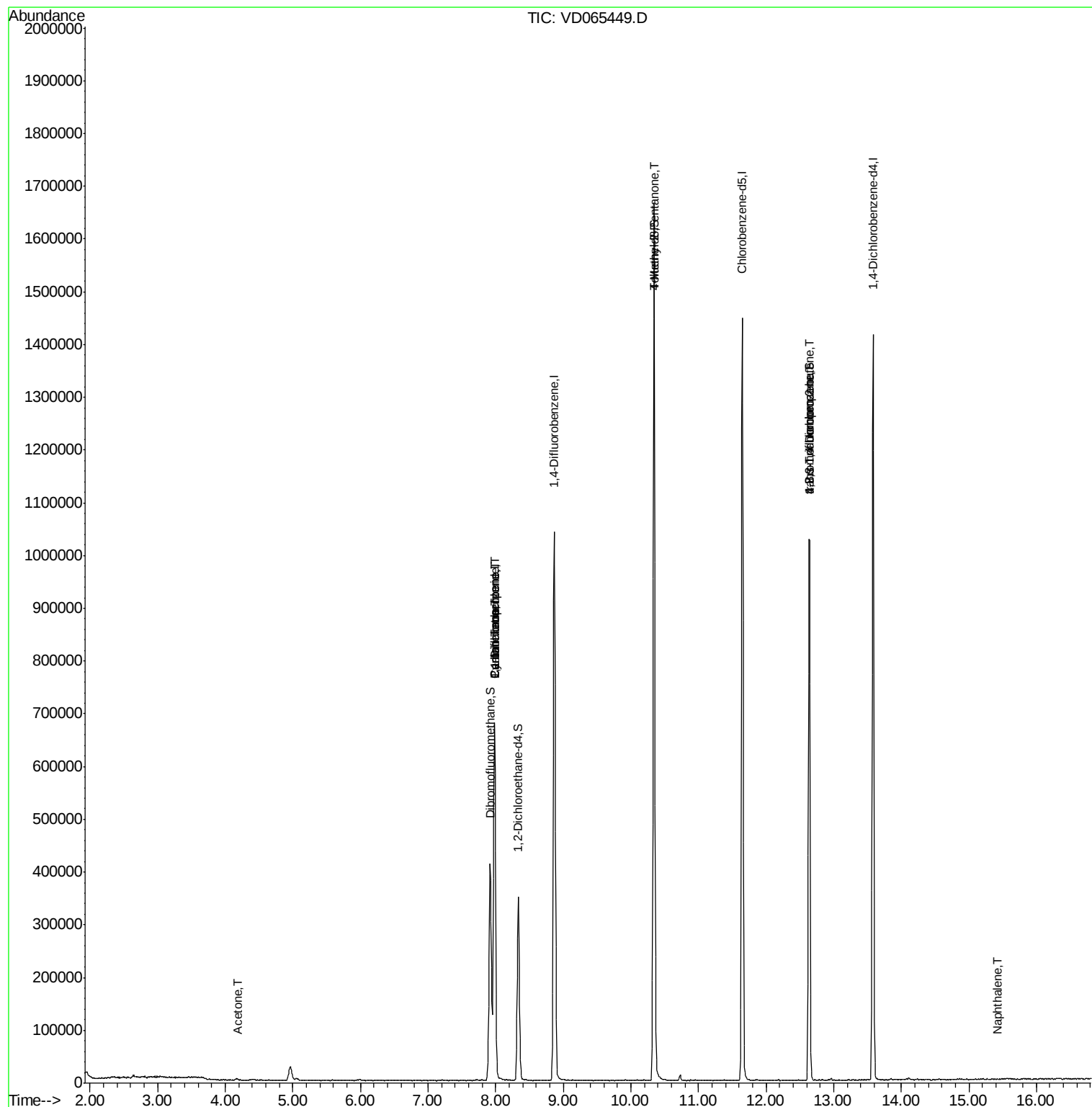
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	491	Below Cal		86
16) Acetone	4.18	43	4046	4.384	ug/l #	72
31) Cyclohexane	7.98	56	9673	1.067	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36278	4.137	ug/l #	49
38) Carbon Tetrachloride	7.98	117	49483	5.441	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	4725	1.500	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	165047	52.905	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	165047	111.645	ug/l #	14
95) Naphthalene	15.41	128	665	4.455	ug/l #	69

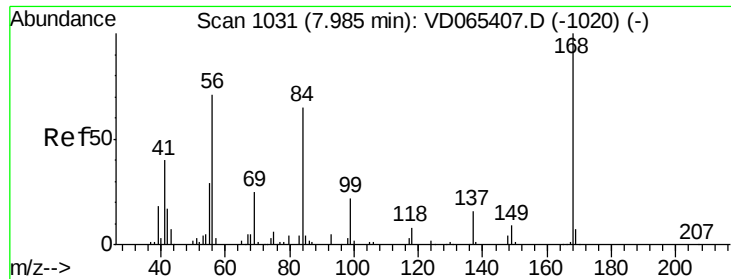
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
Data File : VD065449.D
Acq On : 09 Mar 2020 14:54
Operator : VA/SY
Sample : L1844-05
Misc : 7.21G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Mar 10 12:22:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 01:22:07 2020
Response via : Initial Calibration

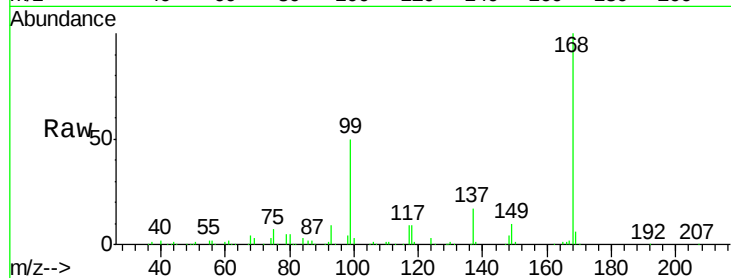




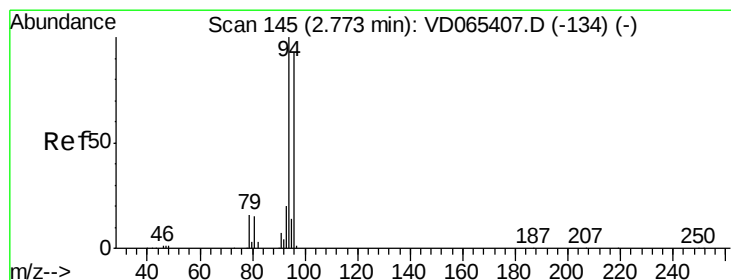
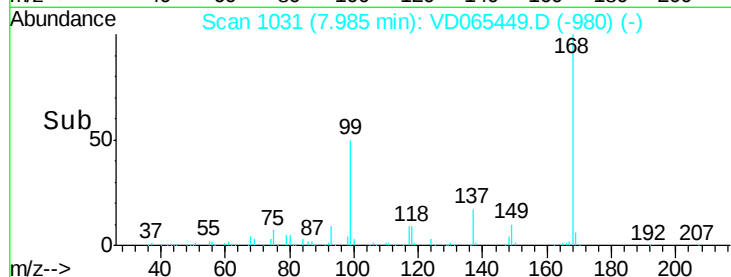
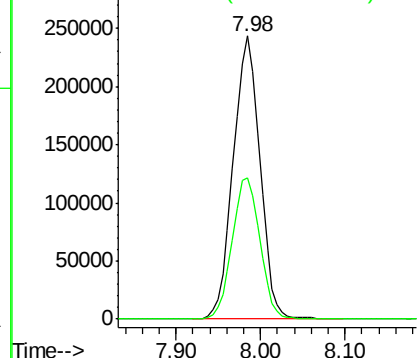
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 532033
Ion Ratio Lower Upper
168 100
99 50.1 41.5 62.3

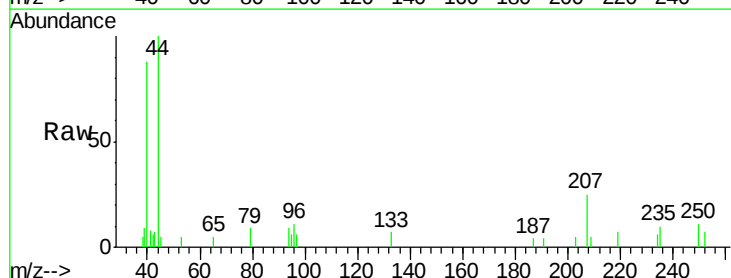


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VDC

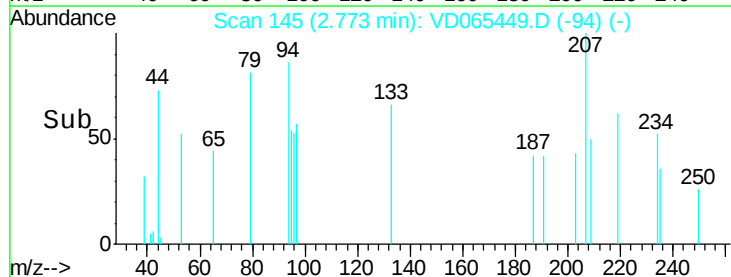
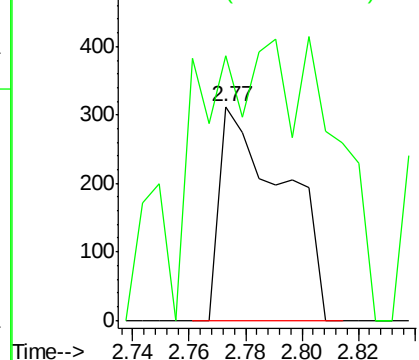


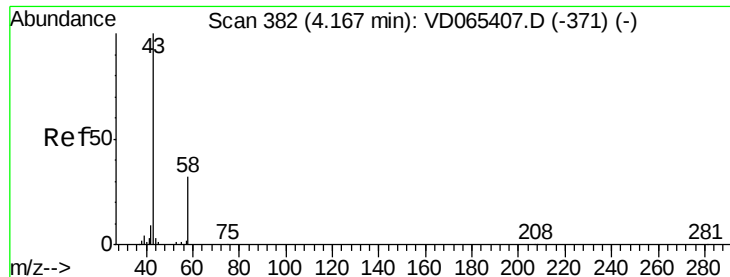
#5
Bromomethane
Concen: Below Cal
RT: 2.77 min Scan# 145
Delta R.T. 0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Tgt Ion: 94 Resp: 491
Ion Ratio Lower Upper
94 100
96 106.7 74.4 111.6



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC





#16

Acetone

Concen: 4.384 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

Instrument :

MSVOA_D

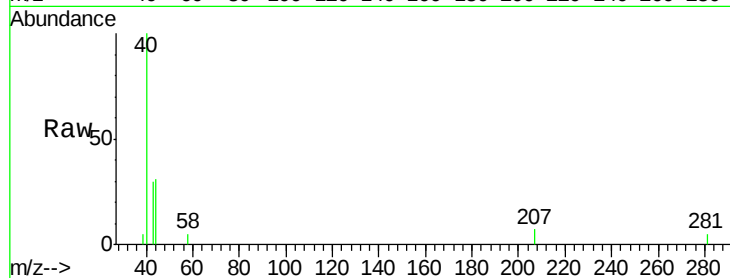
ClientSampleId :

Tot Ion: 43 Resp: 4046

Ion Ratio Lower Upper

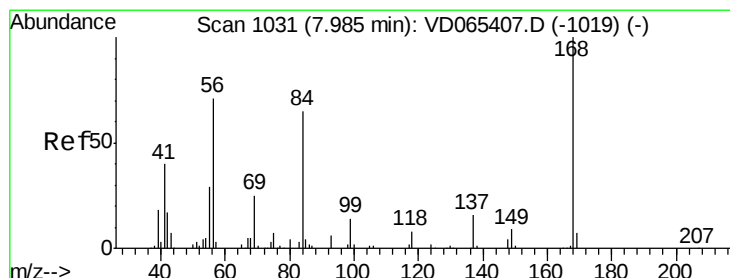
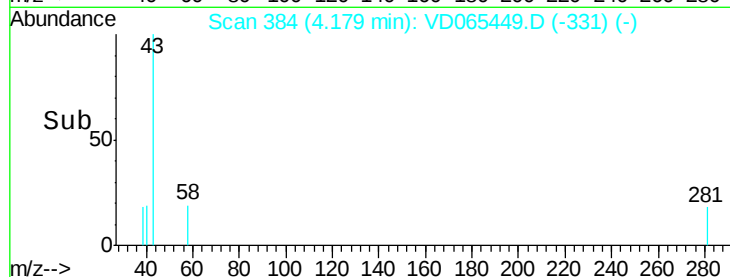
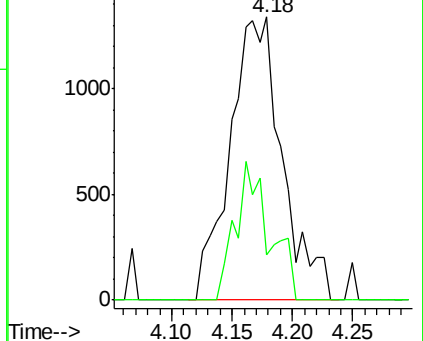
43 100

58 15.8 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

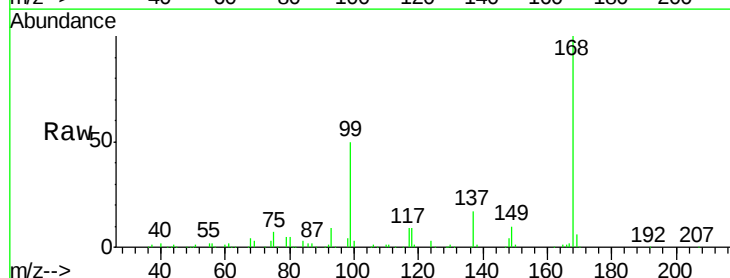
Tgt Ion: 56 Resp: 9673

Ion Ratio Lower Upper

56 100

69 206.1 28.3 42.5#

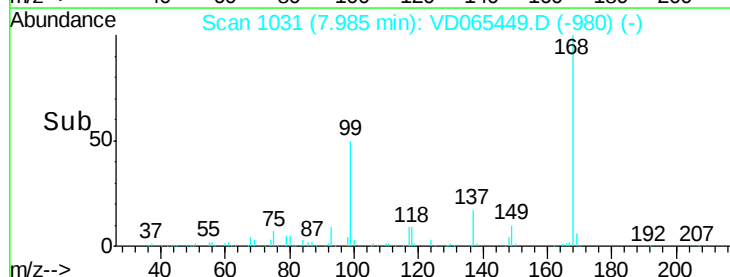
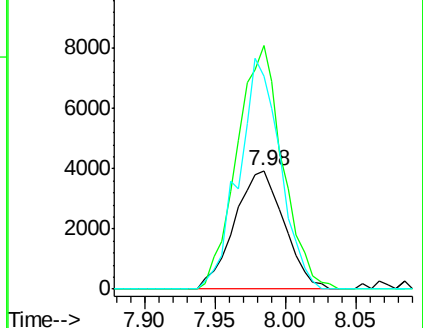
84 180.7 73.1 109.7#

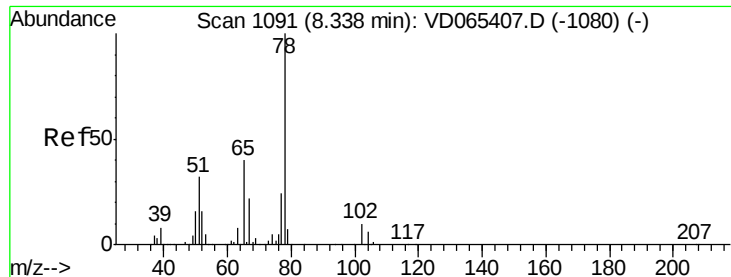


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.894 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

Instrument :

MSVOA_D

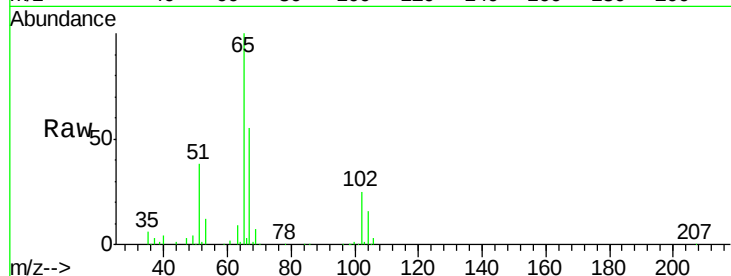
ClientSampleId :

Tot Ion: 65 Resp: 268778

Ion Ratio Lower Upper

65 100

67 54.6 0.0 108.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

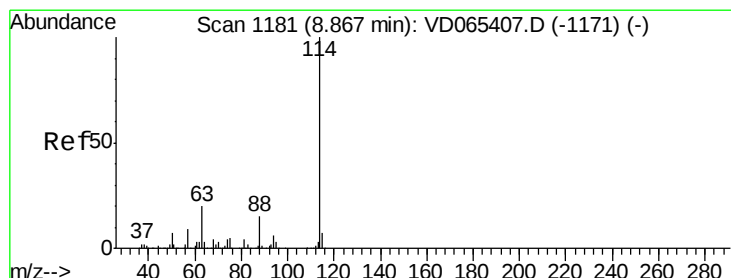
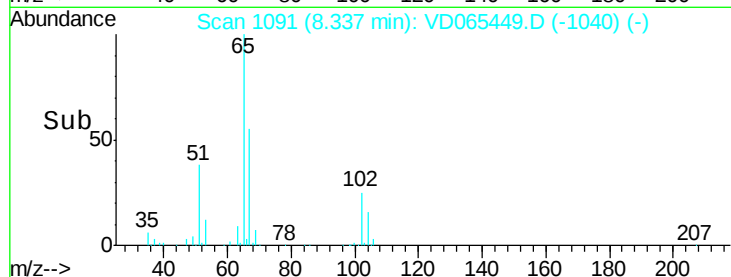
8.34

100000

50000

0

Time--> 8.20 8.30 8.40 8.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

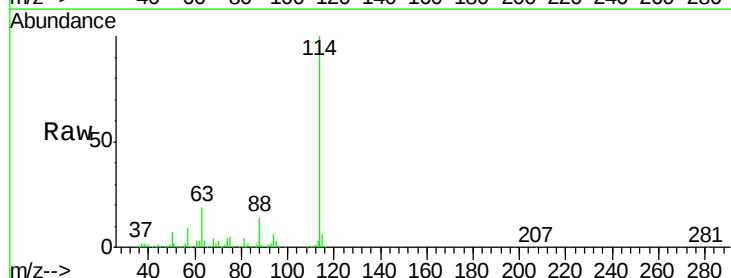
Tgt Ion: 114 Resp: 914922

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 14.2 0.0 30.4



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

600000

500000

400000

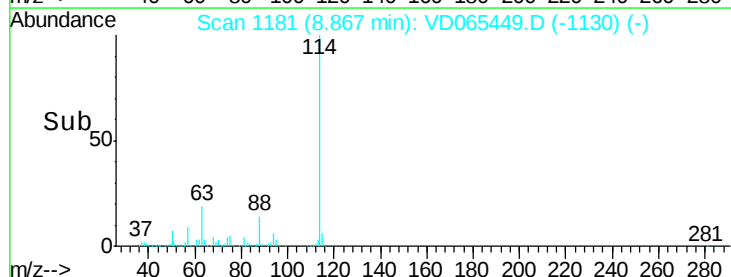
300000

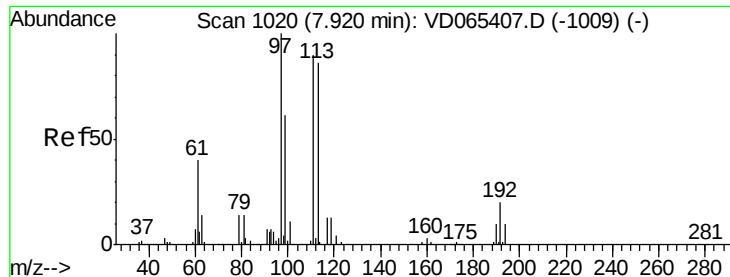
200000

100000

0

Time--> 8.80 8.90 9.00

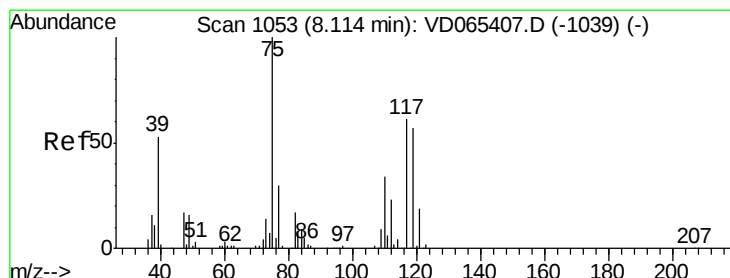
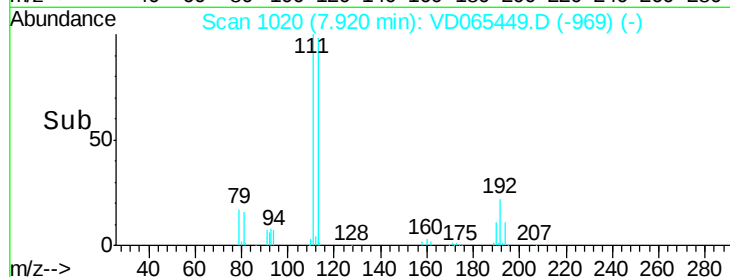
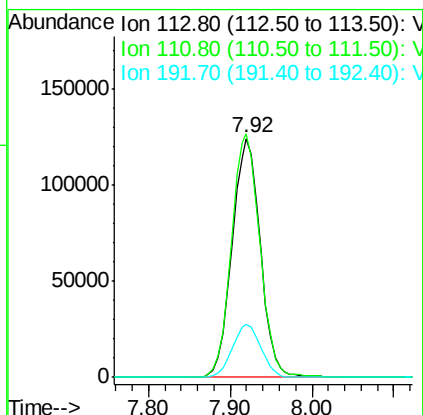
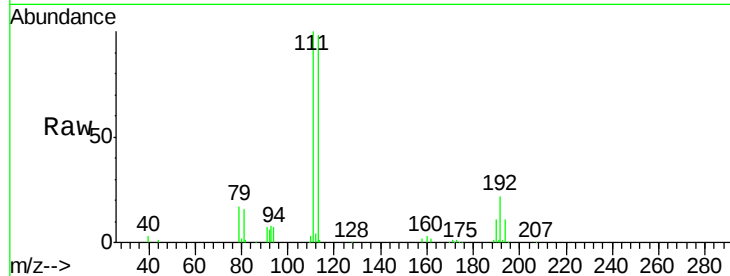




#35
 Dibromofluoromethane
 Concen: 52.681 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065449.D
 Acq: 09 Mar 2020 14:54

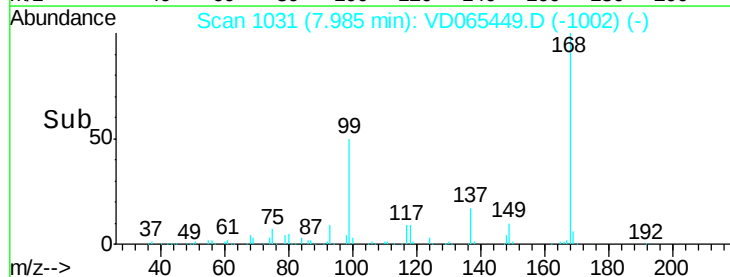
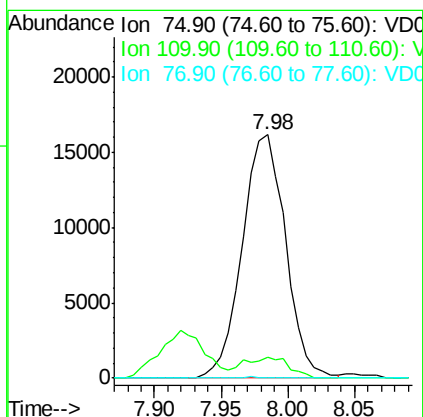
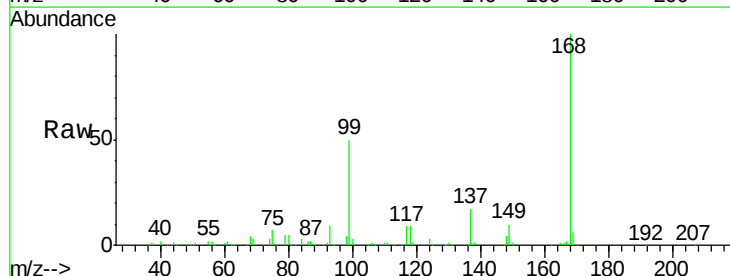
Instrument :
 MSVOA_D
 ClientSampleId :

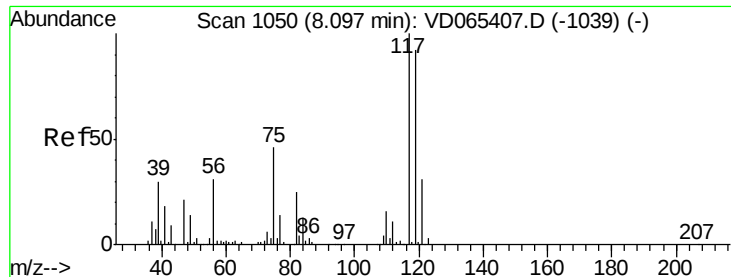
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	22.4	17.2	25.8



#36
 1,1-Dichloropropene
 Concen: 4.137 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065449.D
 Acq: 09 Mar 2020 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.1#
77	0.1	25.2	37.8#

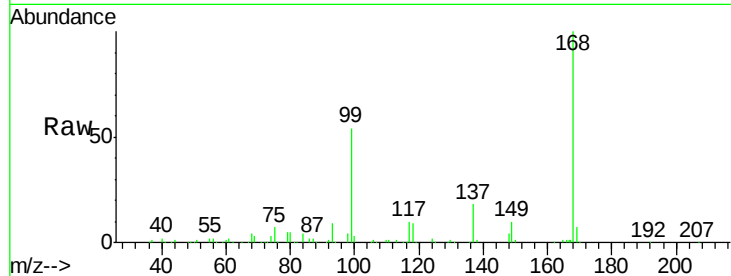




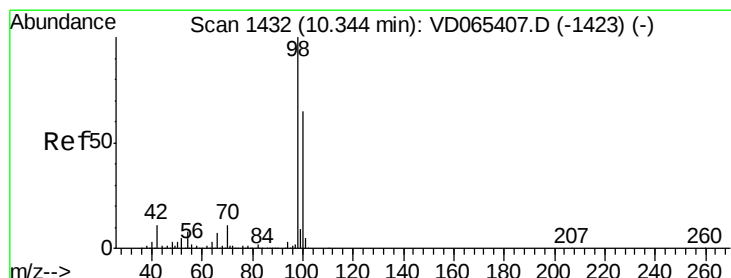
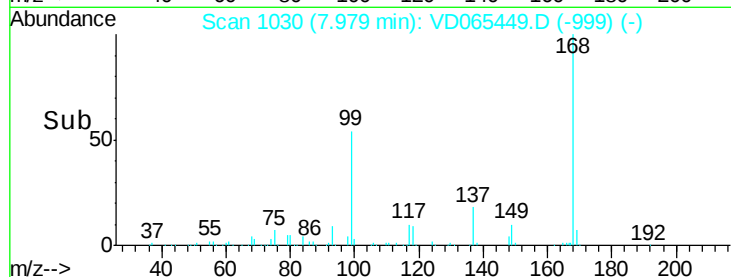
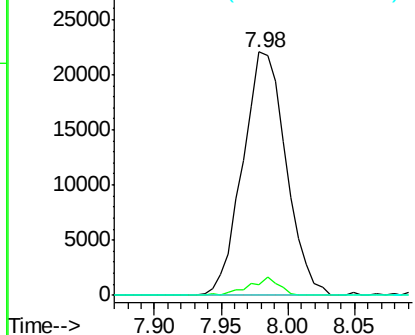
#38
Carbon Tetrachloride
Concen: 5.441 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 49483
Ion Ratio Lower Upper
117 100
119 4.6 73.3 109.9#
121 0.0 25.0 37.4#

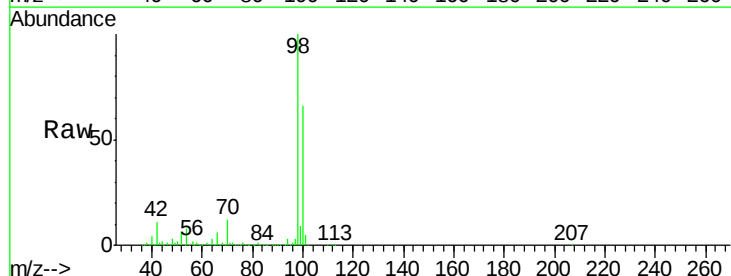


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

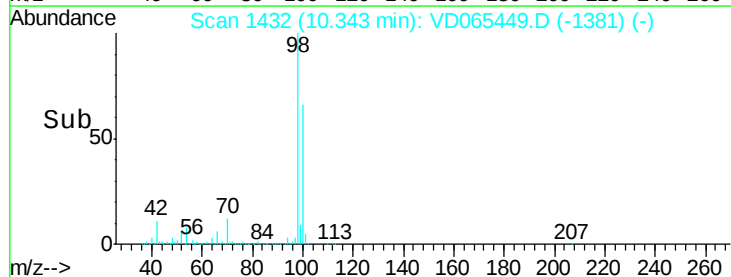
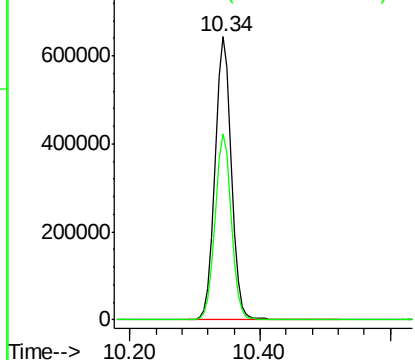


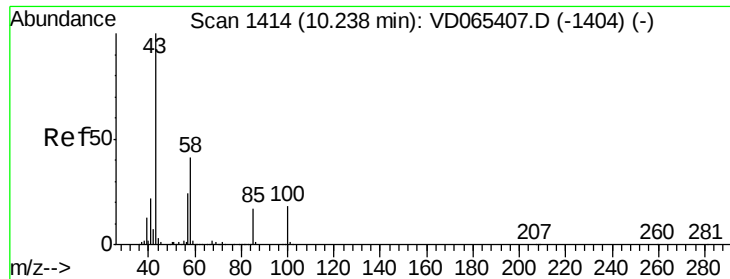
#50
Toluene-d8
Concen: 51.649 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Tgt Ion: 98 Resp: 1121086
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 1.500 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

Instrument :

MSVOA_D

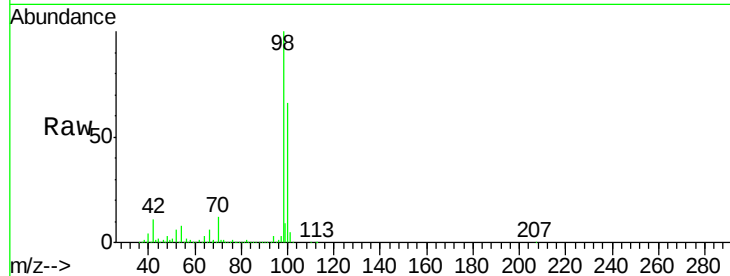
ClientSampleId :

Tot Ion: 43 Resp: 4725

Ion Ratio Lower Upper

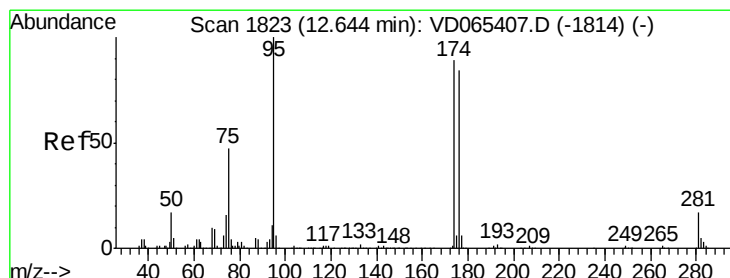
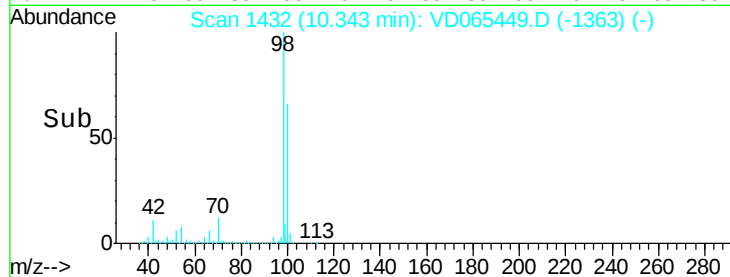
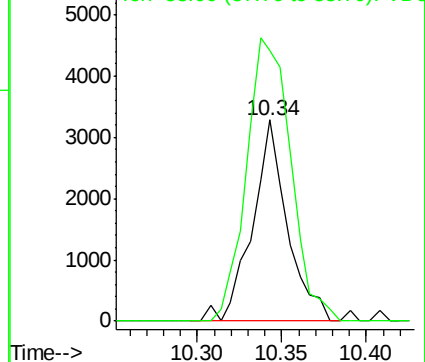
43 100

58 178.9 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 50.989 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

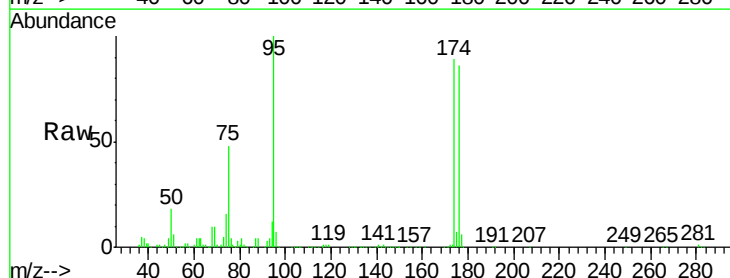
Tgt Ion: 95 Resp: 341666

Ion Ratio Lower Upper

95 100

174 91.0 0.0 176.8

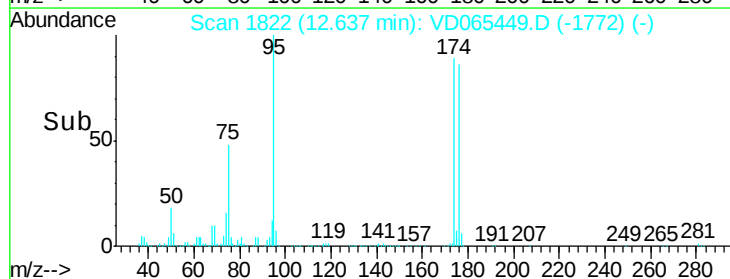
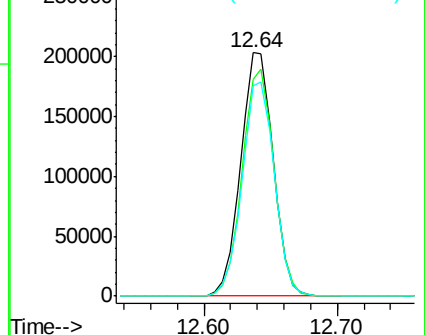
176 87.1 0.0 171.4

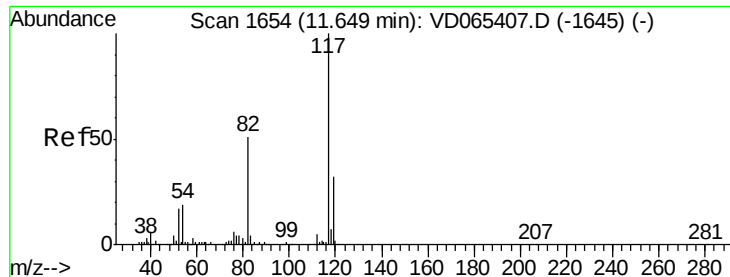


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

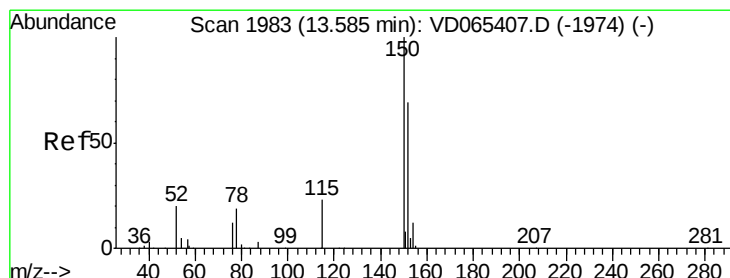
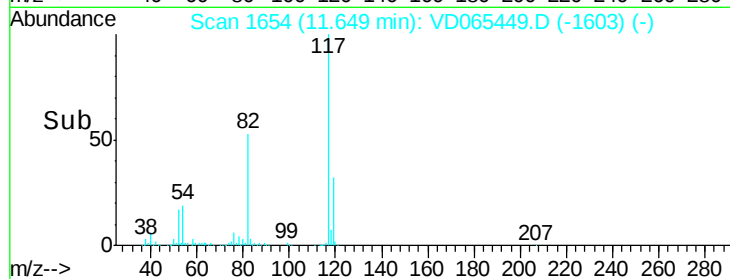
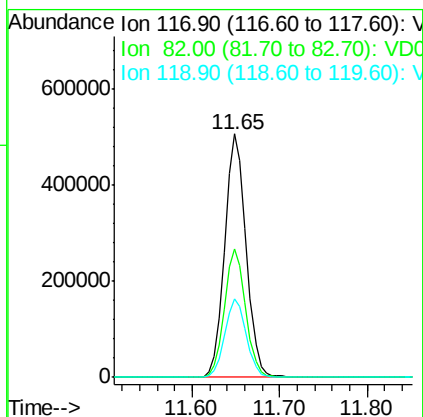
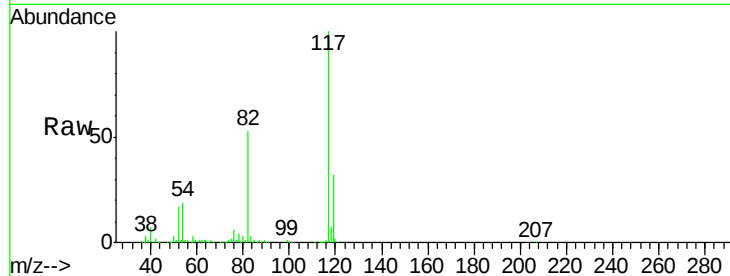




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

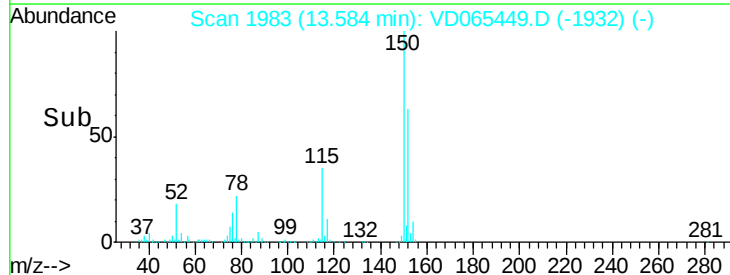
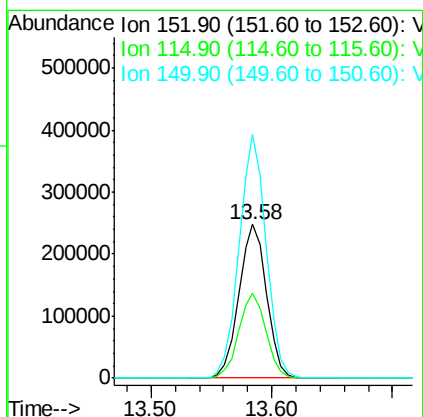
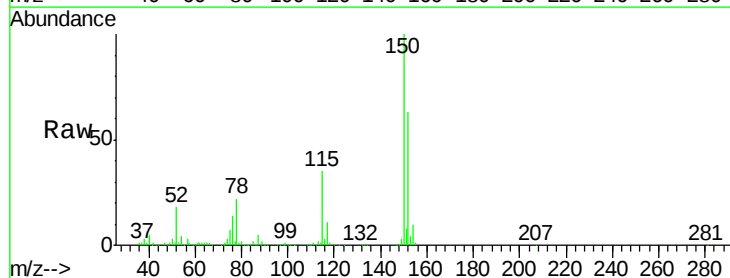
Instrument :
MSVOA_D
ClientSampleId :

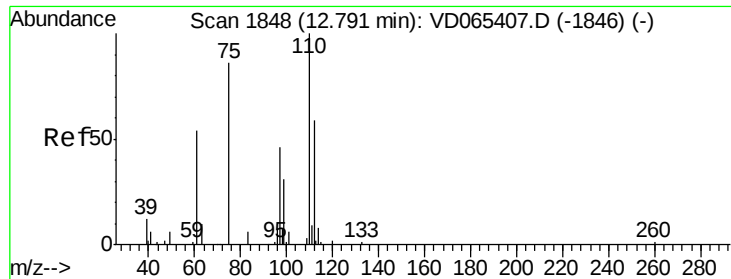
Tot Ion:117 Resp: 851462
Ion Ratio Lower Upper
117 100
82 52.5 40.6 60.8
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Tgt Ion:152 Resp: 395356
Ion Ratio Lower Upper
152 100
115 54.5 27.6 82.8
150 154.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 52.905 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

Instrument :

MSVOA_D

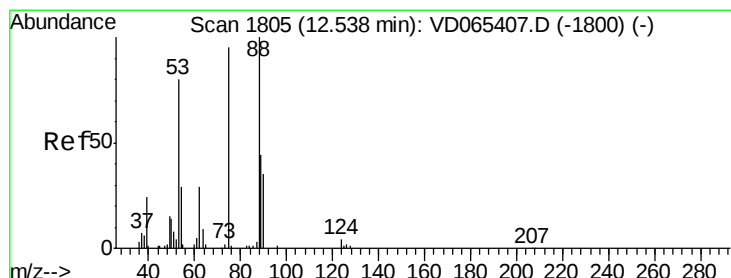
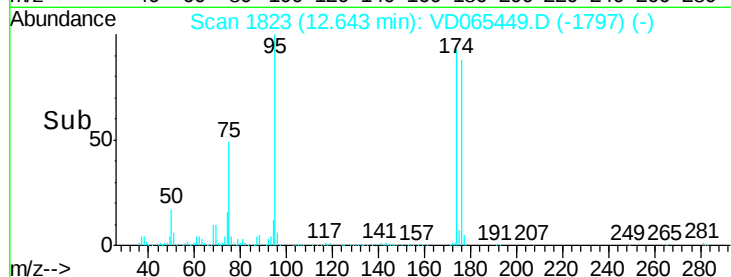
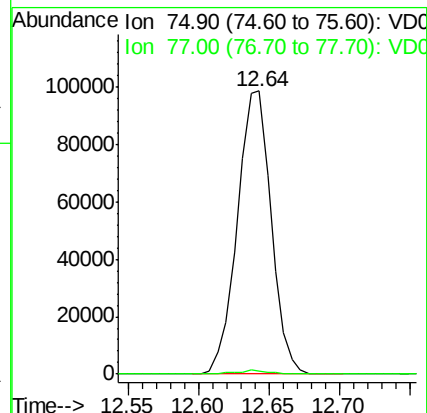
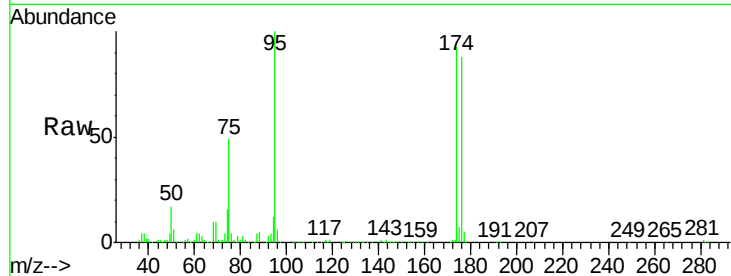
ClientSampled :

Tot Ion: 75 Resp: 165047

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 111.645 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065449.D

Acq: 09 Mar 2020 14:54

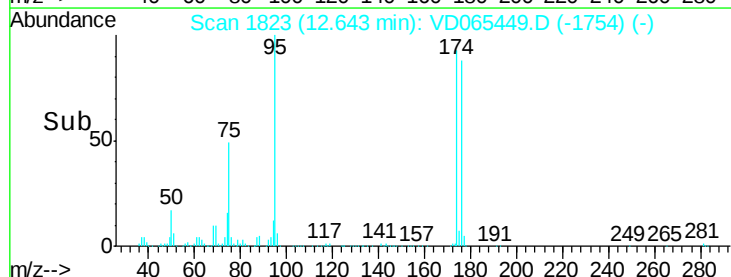
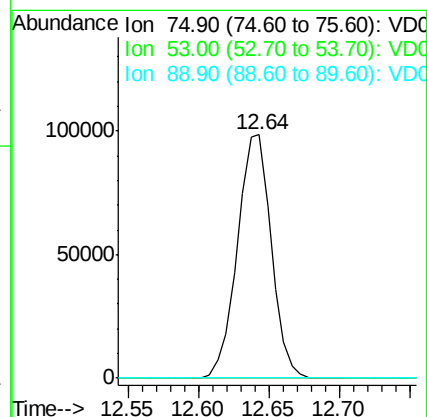
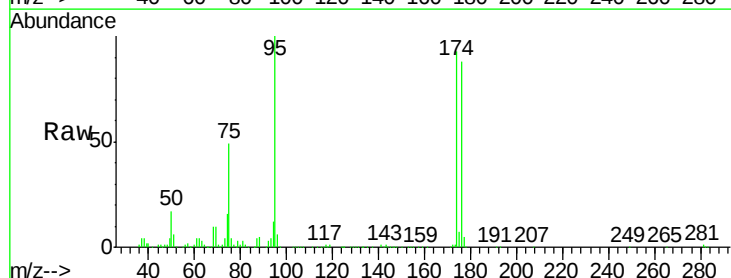
Tgt Ion: 75 Resp: 165047

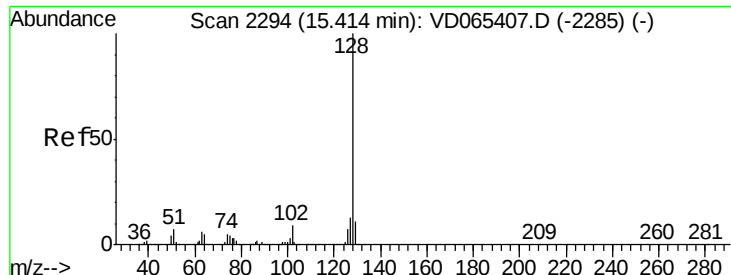
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 37.0 55.6#





#95
Naphthalene
Concen: 4.455 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065449.D
Acq: 09 Mar 2020 14:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0
129	0.0	8.7	13.1

