

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065455.D
 Acq On : 09 Mar 2020 17:46
 Operator : VA/SY
 Sample : L1844-06RE
 Misc : 8.47G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:24:44 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	522839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	900503	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	799954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287389	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	268915	59.96	ug/l	0.00
Spiked Amount			Recovery	=	119.92%	
35) Dibromofluoromethane	7.92	113	297547	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	
50) Toluene-d8	10.34	98	1100362	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.64	95	287914	43.66	ug/l	0.00
Spiked Amount			Recovery	=	87.32%	

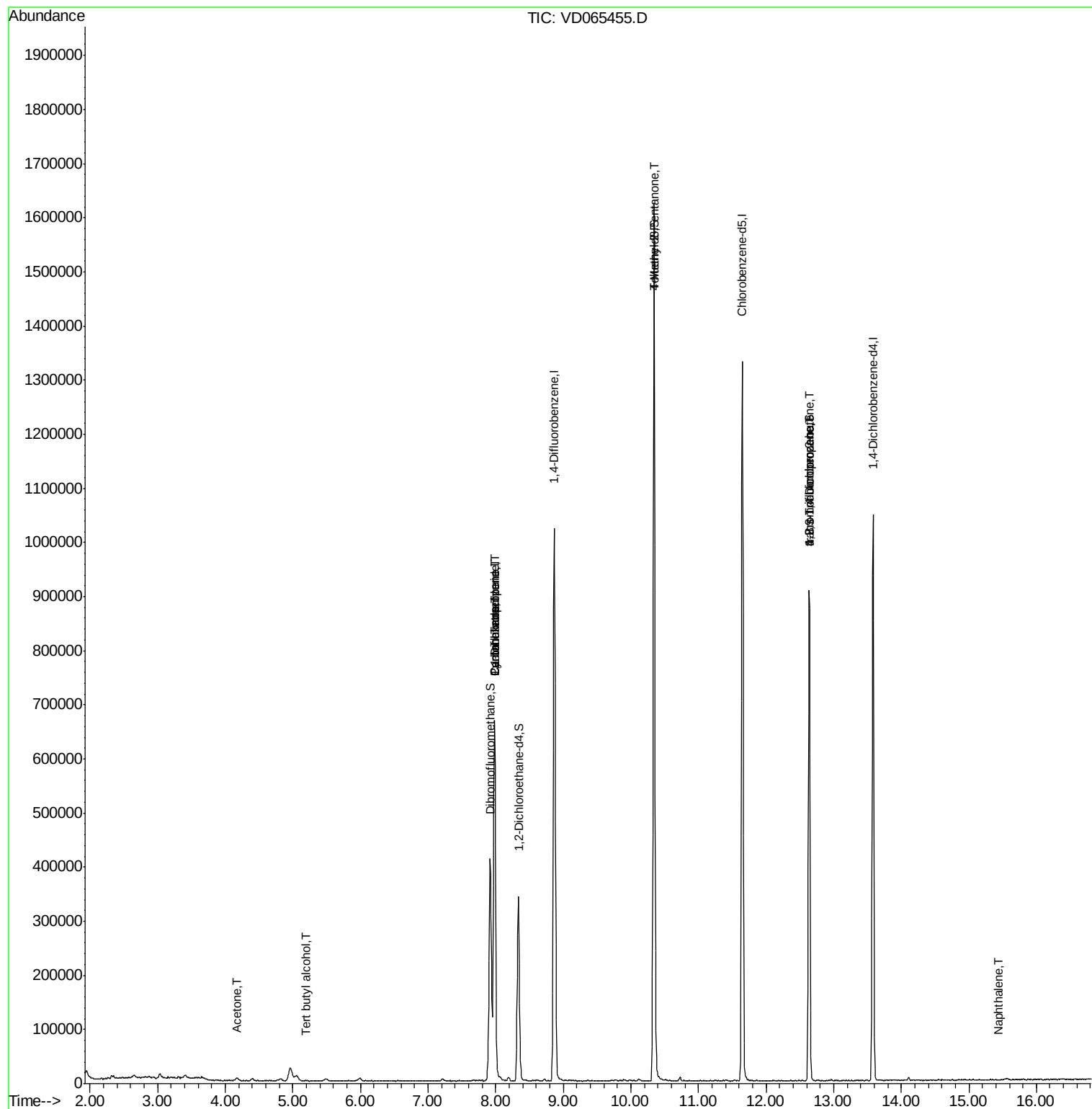
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	588	Below Cal	#	37
11) Tert butyl alcohol	5.19	59	368	1.431	ug/l #	76
16) Acetone	4.17	43	9805	10.810	ug/l	96
31) Cyclohexane	7.98	56	10253	1.151	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	36230	4.197	ug/l #	49
38) Carbon Tetrachloride	7.98	117	47885	5.350	ug/l #	20
51) 4-Methyl-2-Pentanone	10.34	43	4655	1.502	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	141432	62.367	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	141432	131.613	ug/l #	14
95) Naphthalene	15.43	128	300	4.437	ug/l #	69

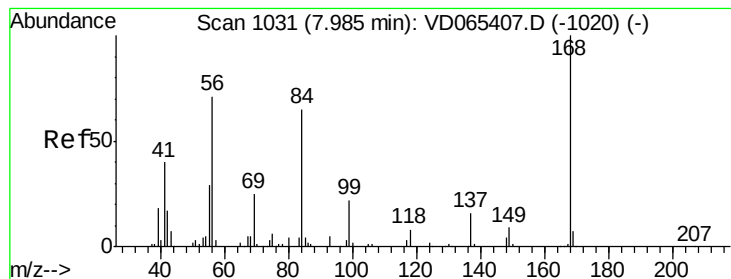
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065455.D

Acq: 09 Mar 2020 17:46

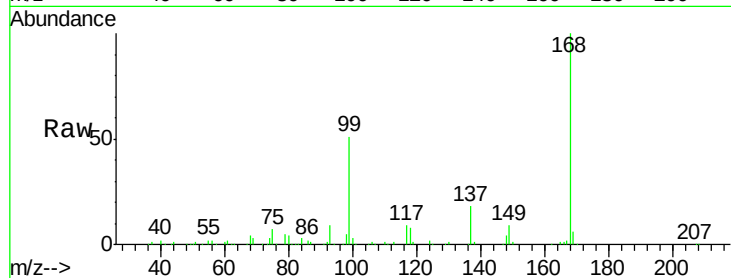
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 522839

Ion Ratio Lower Upper

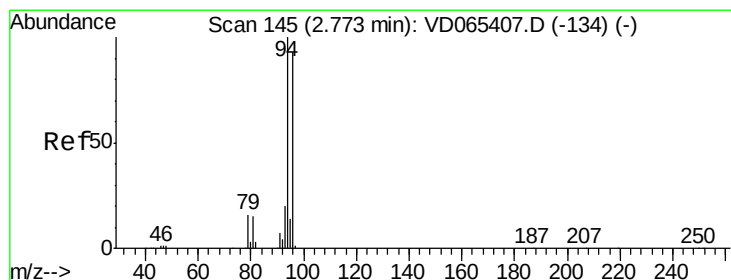
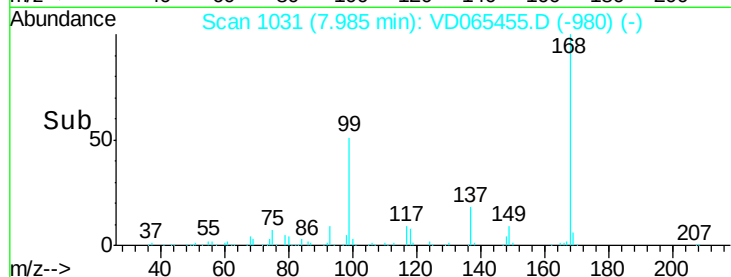
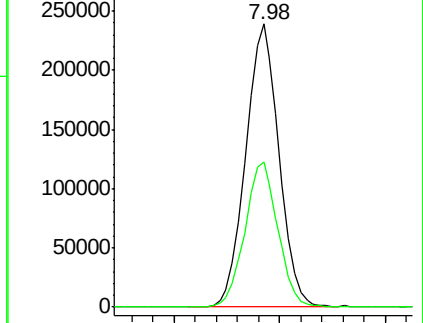
168 100

99 51.4 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: VD065455.D

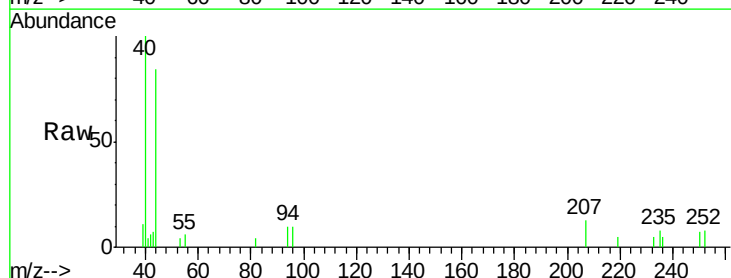
Acq: 09 Mar 2020 17:46

Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

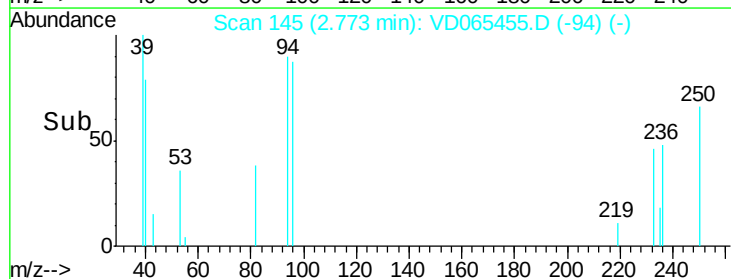
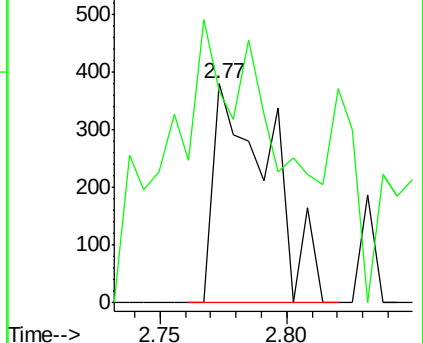
94 100

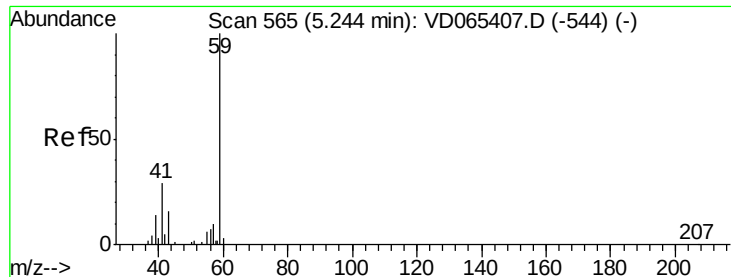
96 32.1 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#11

Tert butyl alcohol

Concen: 1.431 ug/l

RT: 5.19 min Scan# 556

Delta R.T. -0.05 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

Instrument :

MSVOA_D

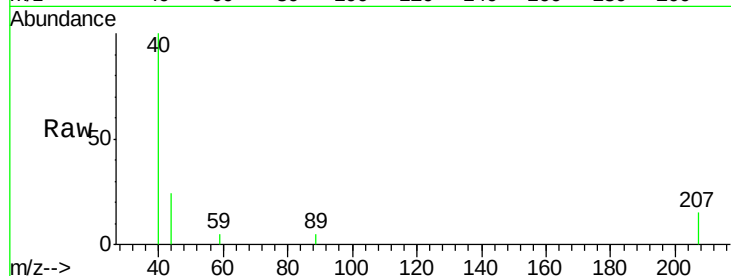
ClientSampleId :

Tot Ion: 59 Resp: 368

Ion Ratio Lower Upper

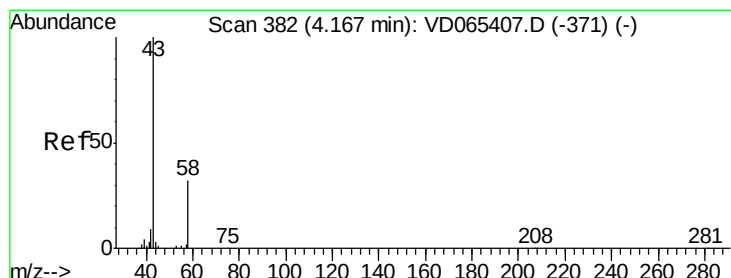
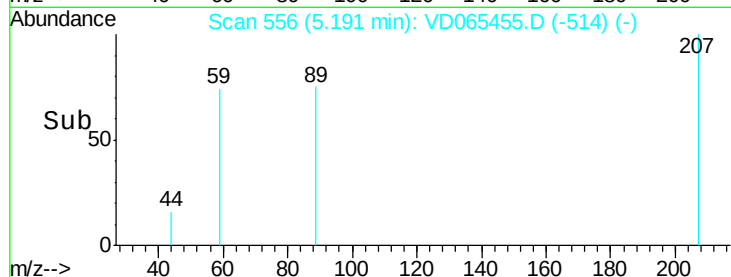
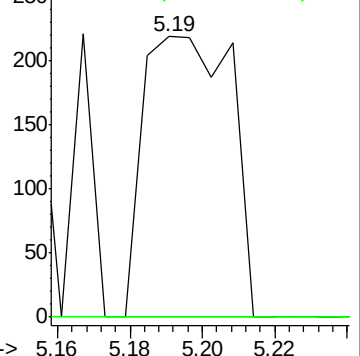
59 100

57 0.0 6.9 10.3#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#16

Acetone

Concen: 10.810 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065455.D

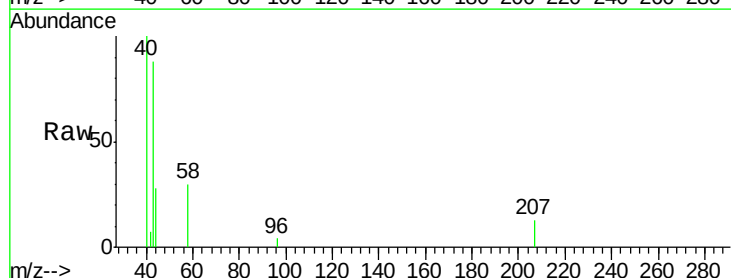
Acq: 09 Mar 2020 17:46

Tgt Ion: 43 Resp: 9805

Ion Ratio Lower Upper

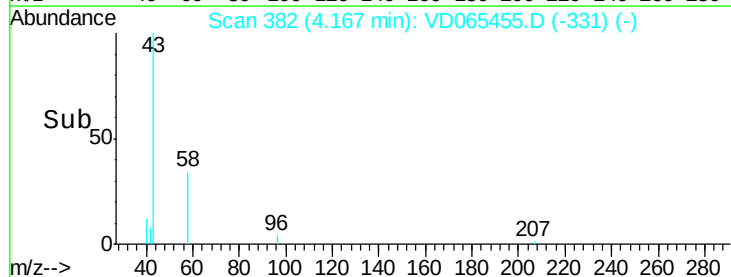
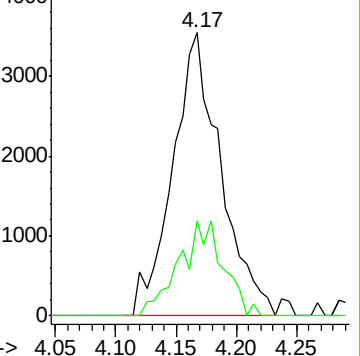
43 100

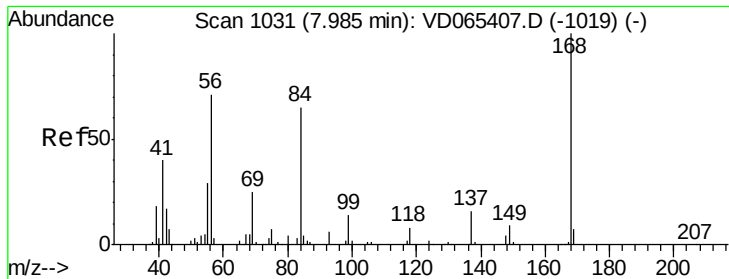
58 33.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

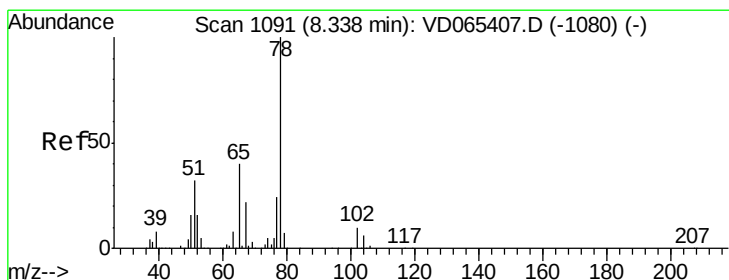
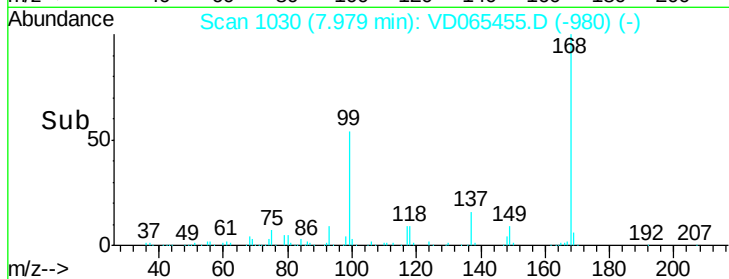
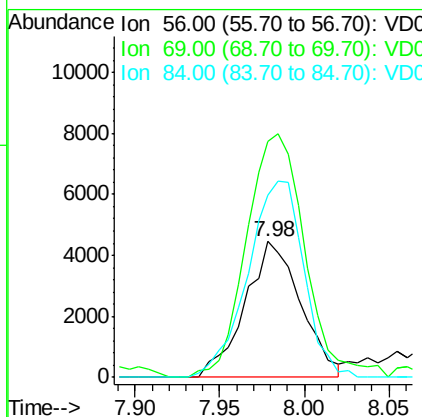
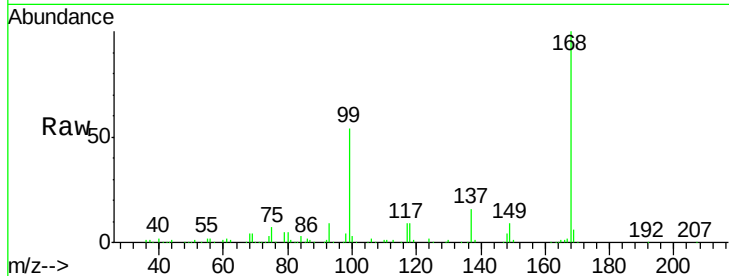




#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

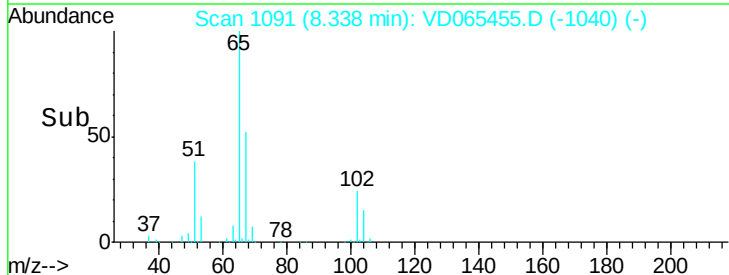
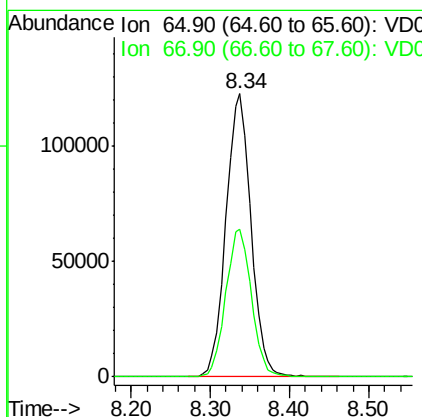
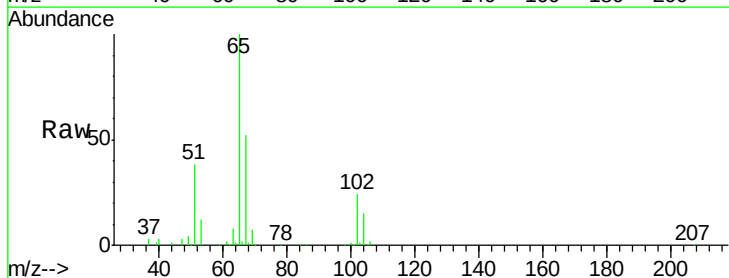
Instrument :
MSVOA_D
ClientSampleId :

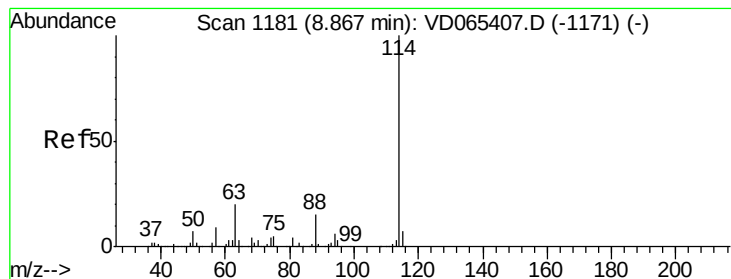
Tot Ion: 56 Resp: 10253
Ion Ratio Lower Upper
56 100
69 174.1 28.3 42.5#
84 134.5 73.1 109.7#



#33
1,2-Dichloroethane-d4
Concen: 59.960 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

Tgt Ion: 65 Resp: 268915
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

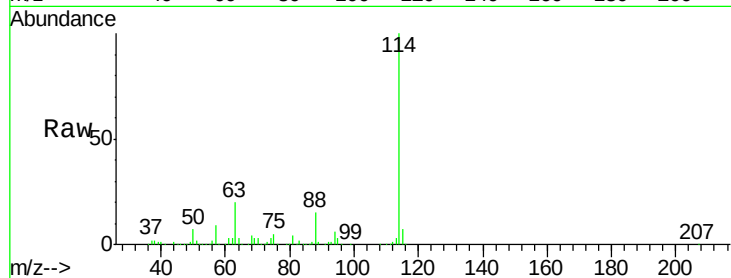
Tot Ion:114 Resp: 900503

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

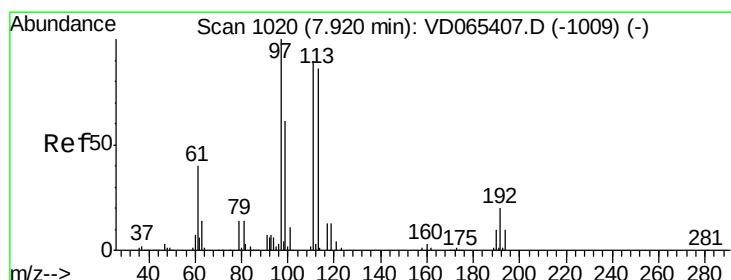
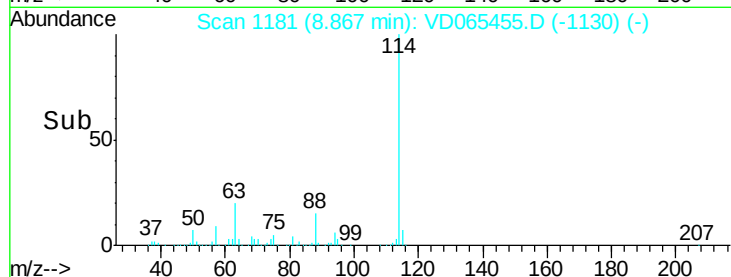
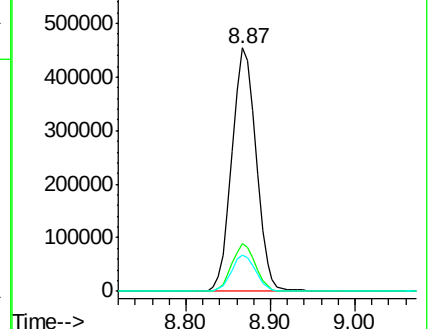
88 15.1 0.0 30.4



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: 53.431 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

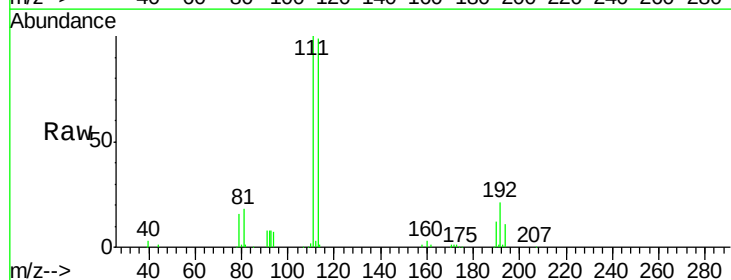
Tgt Ion:113 Resp: 297547

Ion Ratio Lower Upper

113 100

111 101.2 82.1 123.1

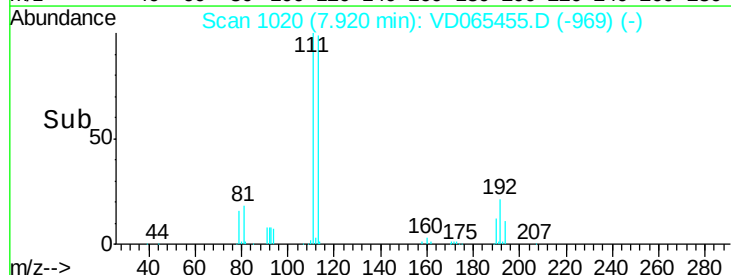
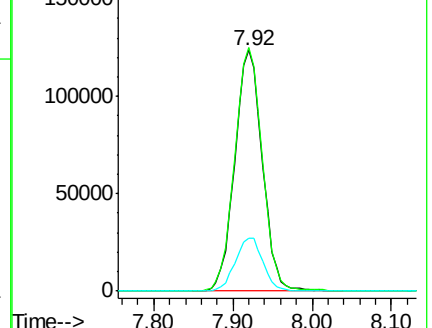
192 22.0 17.2 25.8

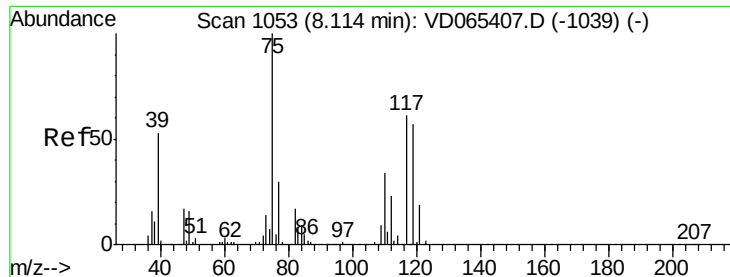


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

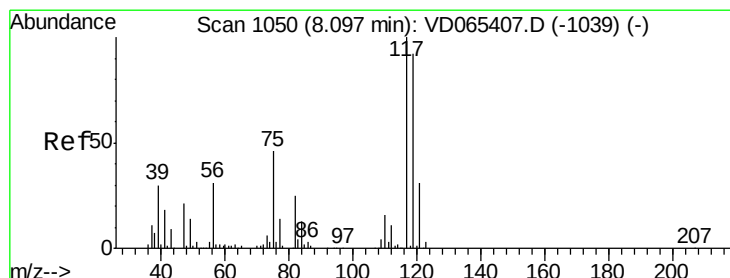
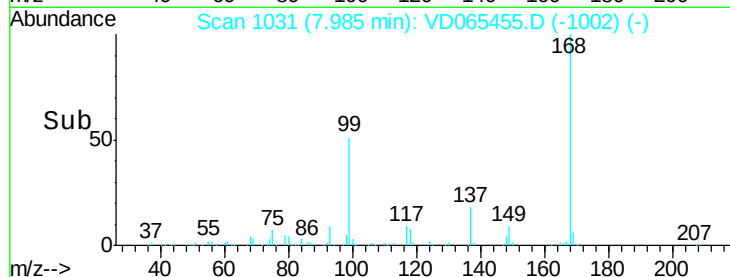
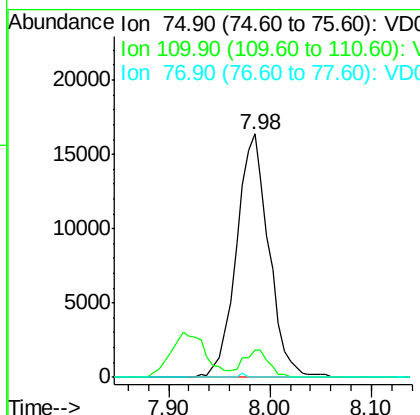
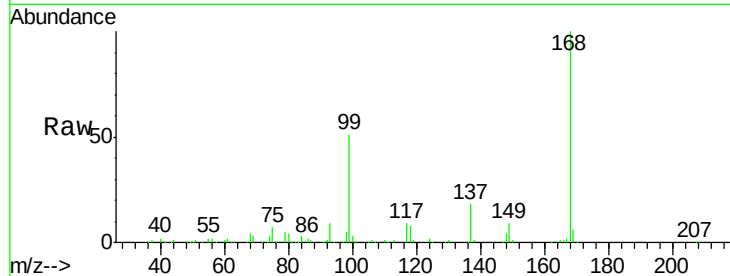




#36
 1,1-Dichloropropene
 Concen: 4.197 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065455.D
 Acq: 09 Mar 2020 17:46

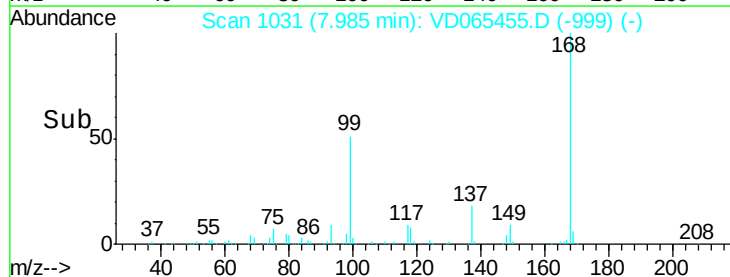
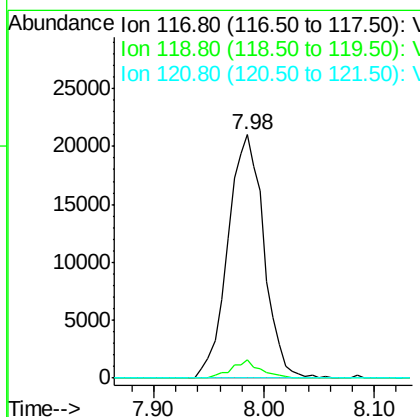
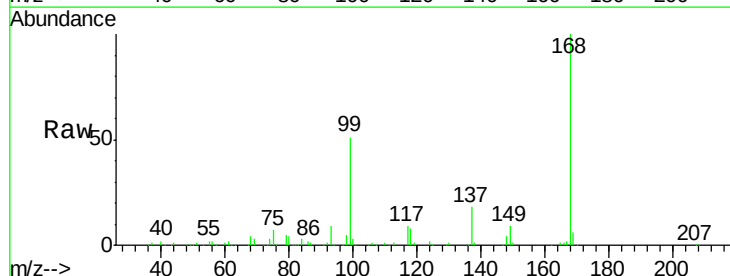
Instrument :
 MSVOA_D
 ClientSampleId :

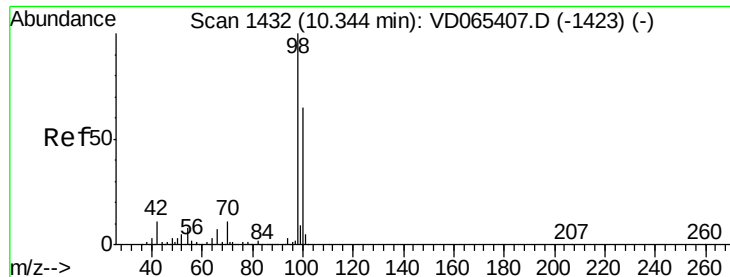
Tot Ion	75	Resp	36230
Ion Ratio	Lower	Upper	
75	100		
110	9.3	18.1	54.1#
77	0.3	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.350 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065455.D
 Acq: 09 Mar 2020 17:46

Tgt Ion	117	Resp	47885
Ion Ratio	Lower	Upper	
117	100		
119	7.3	73.3	109.9#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 51.506 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

Instrument :

MSVOA_D

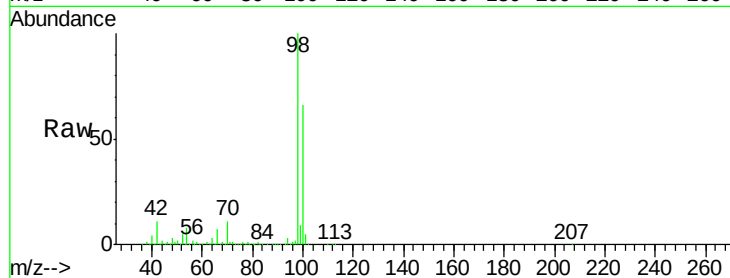
ClientSampleId :

Tot Ion: 98 Resp: 1100362

Ion Ratio Lower Upper

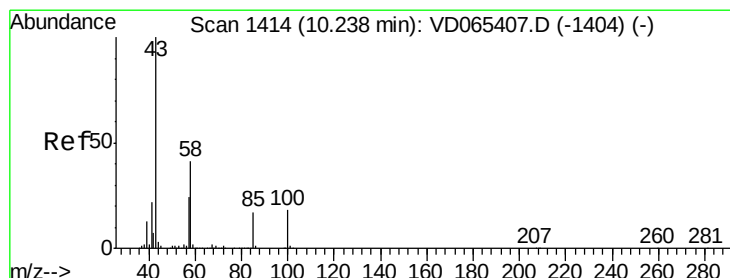
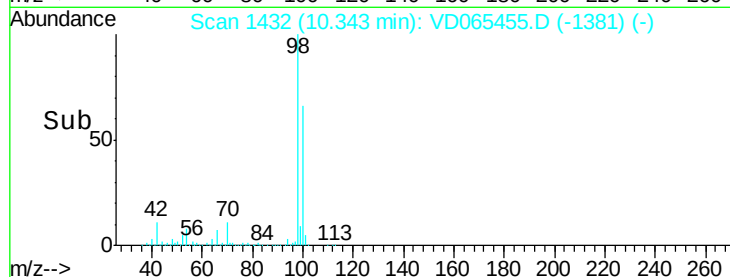
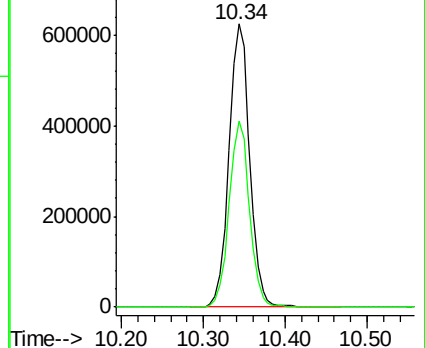
98 100

100 64.5 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: 1.502 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065455.D

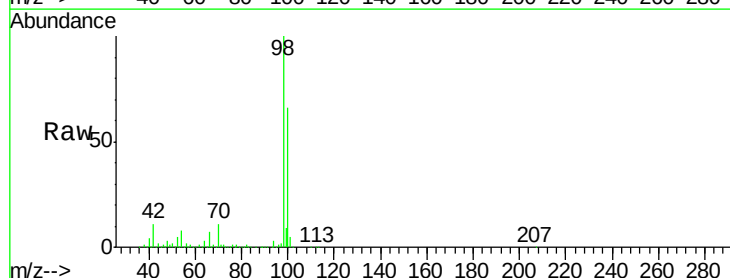
Acq: 09 Mar 2020 17:46

Tgt Ion: 43 Resp: 4655

Ion Ratio Lower Upper

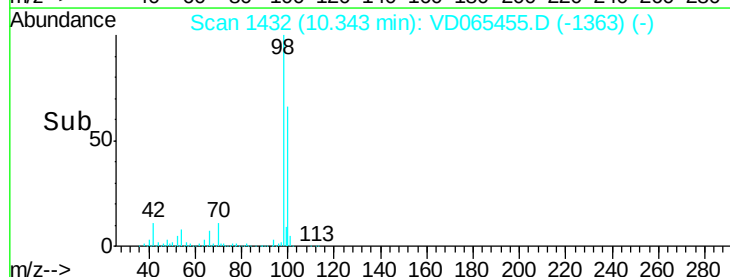
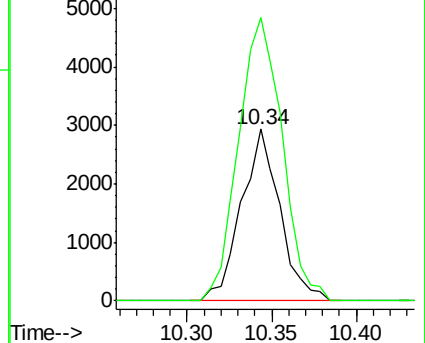
43 100

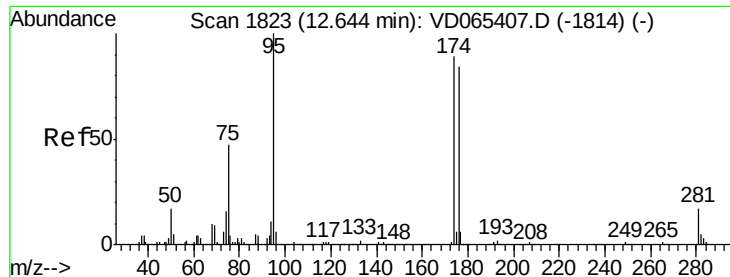
58 187.2 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

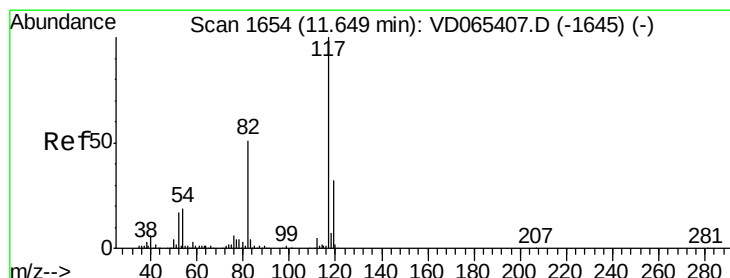
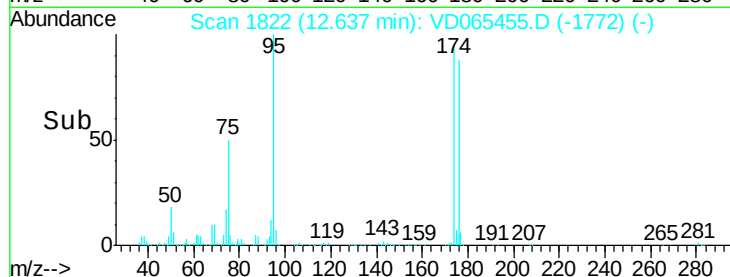
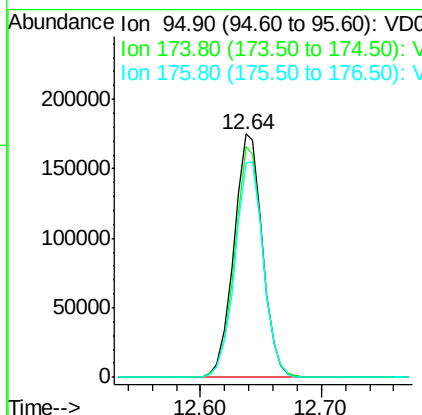
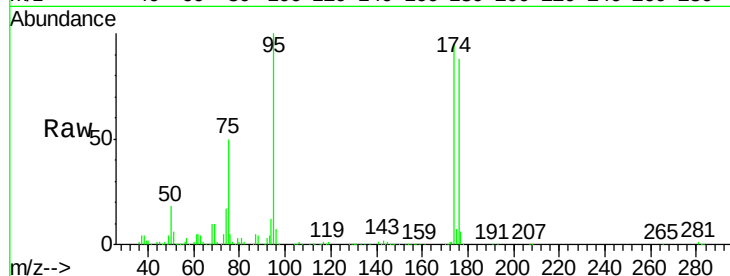




#62
4-Bromofluorobenzene
Concen: 43.655 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

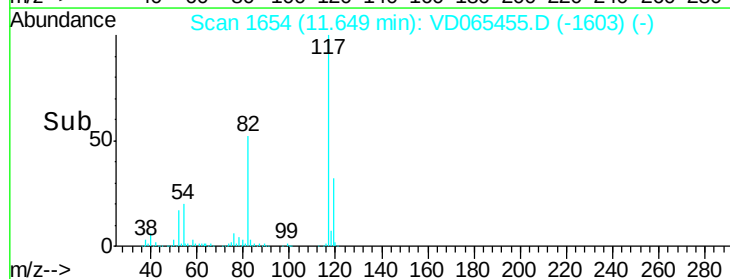
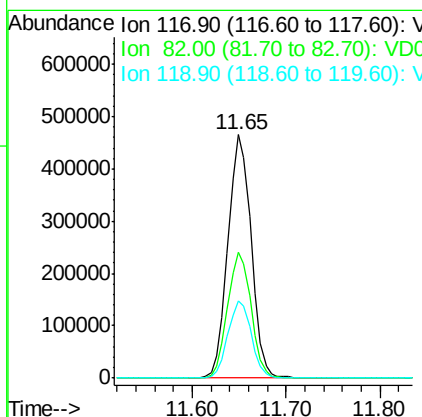
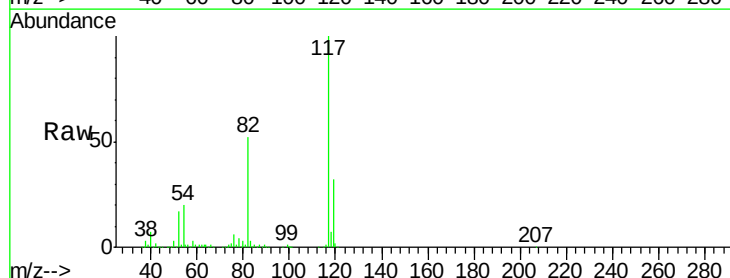
Instrument :
MSVOA_D
ClientSampleId :

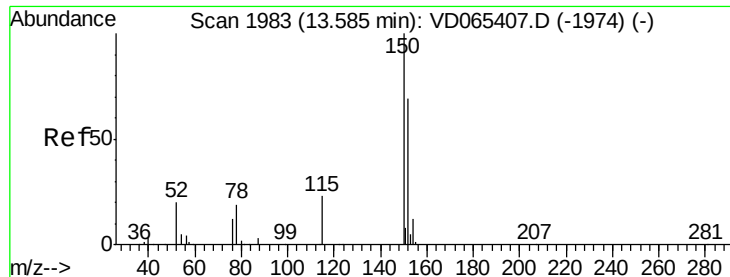
Tot Ion: 95 Resp: 287914
Ion Ratio Lower Upper
95 100
174 92.9 0.0 176.8
176 88.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

Tgt Ion: 117 Resp: 799954
Ion Ratio Lower Upper
117 100
82 51.7 40.6 60.8
119 31.5 25.4 38.2



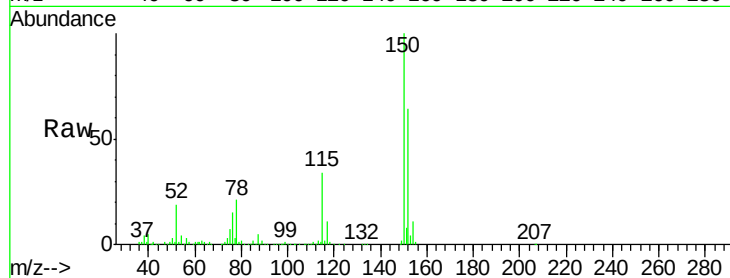


#72

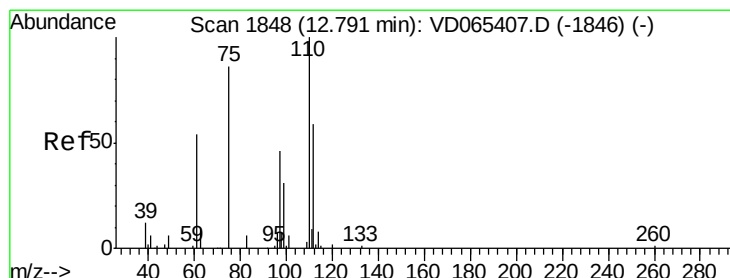
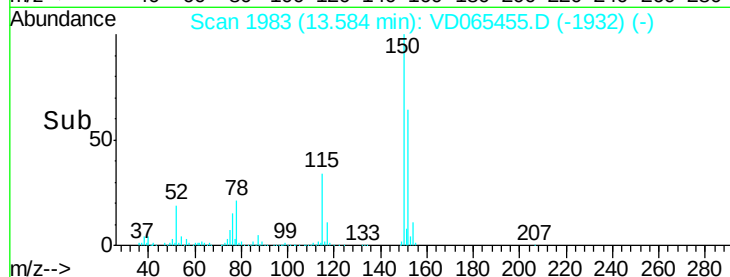
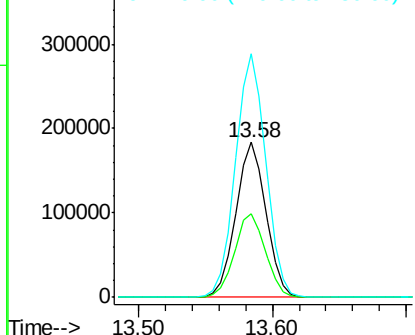
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	158.1	0.0	345.0



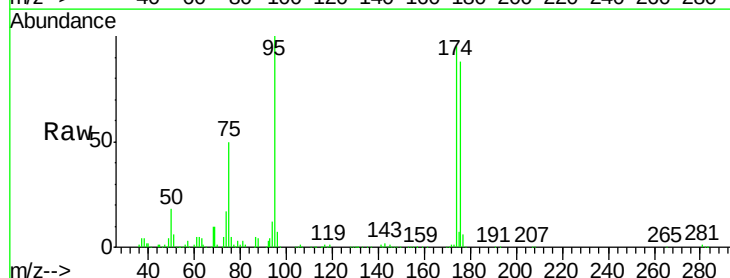
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



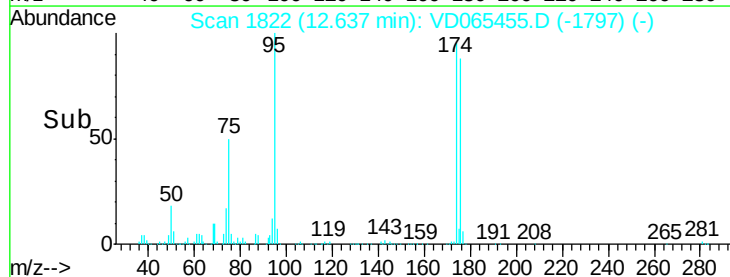
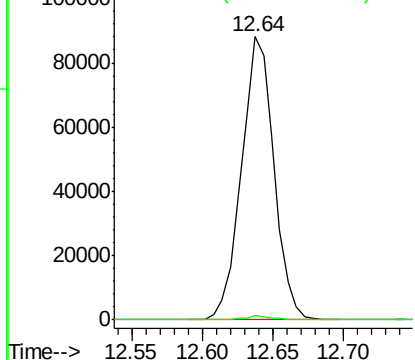
#76

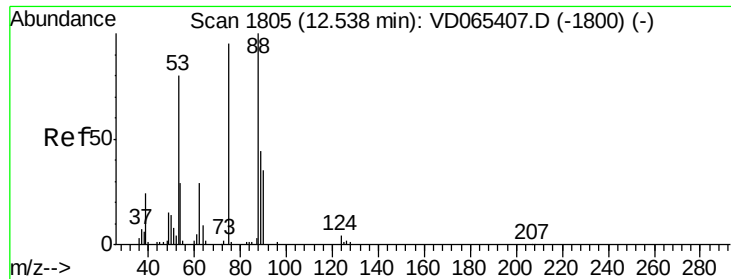
1,2,3-Trichloropropane
Concen: 62.367 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065455.D
Acq: 09 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 131.613 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

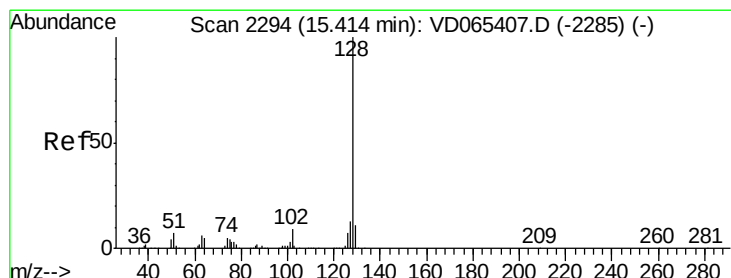
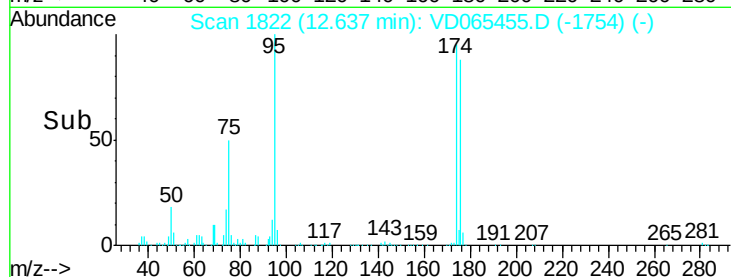
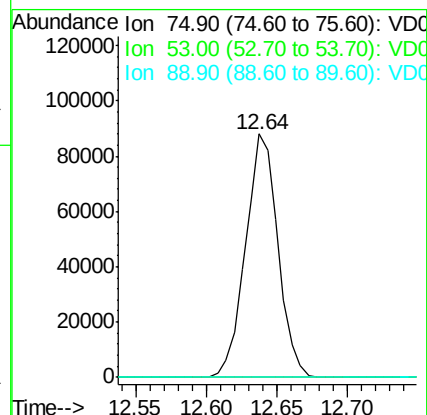
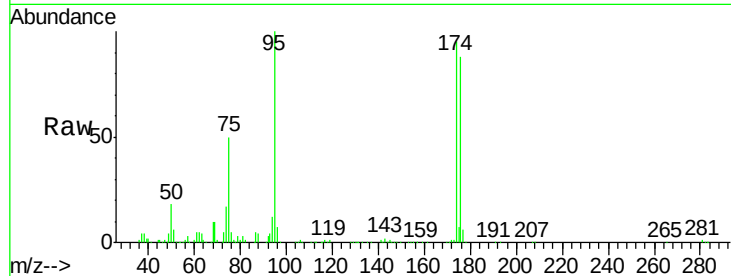
Tot Ion: 75 Resp: 141432

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 37.0 55.6#



#95

Naphthalene

Concen: 4.437 ug/l

RT: 15.43 min Scan# 2296

Delta R.T. 0.01 min

Lab File: VD065455.D

Acq: 09 Mar 2020 17:46

Tgt Ion: 128 Resp: 300

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#

