

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065237.D
 Acq On : 19 Feb 2020 14:26
 Operator : VA/SY
 Sample : L1576-02
 Misc : 5.08G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 20 03:41:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	503295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	846567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	812872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385214	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	264330	58.38	ug/l	0.00
Spiked Amount			Recovery	=	116.76%	
35) Dibromofluoromethane	7.92	113	272352	52.76	ug/l	0.00
Spiked Amount			Recovery	=	105.52%	
50) Toluene-d8	10.34	98	1036800	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.64	95	336533	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	

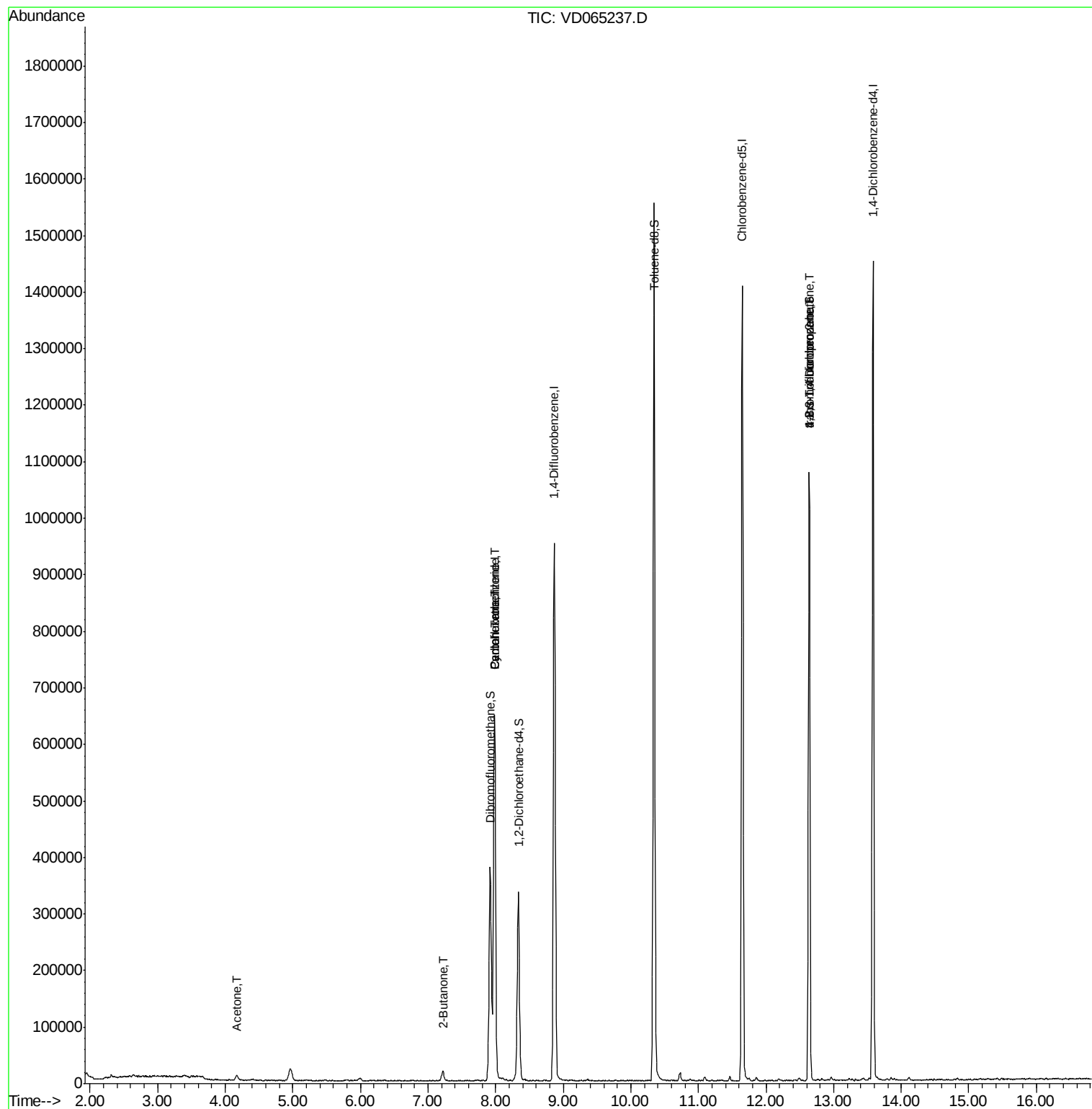
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.94	56	129	Below Cal	#	14
16) Acetone	4.18	43	15231	13.761	ug/l #	82
20) Methylene Chloride	4.97	84	17909	Below Cal	#	84
25) 2-Butanone	7.23	43	2131	1.522	ug/l	99
31) Cyclohexane	7.98	56	11034	1.239	ug/l #	1
38) Carbon Tetrachloride	7.99	117	47961	5.720	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	171087	52.200	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	171087	112.710	ug/l #	11

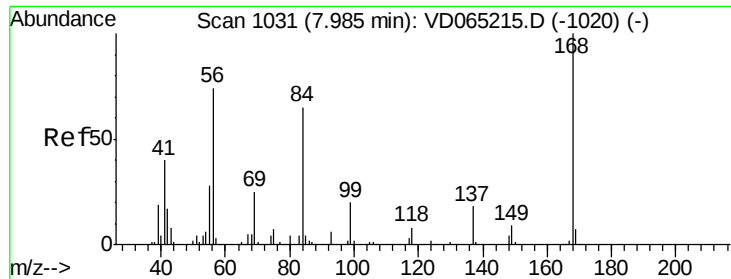
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 20 03:41:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:26:54 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065237.D

Acq: 19 Feb 2020 14:26

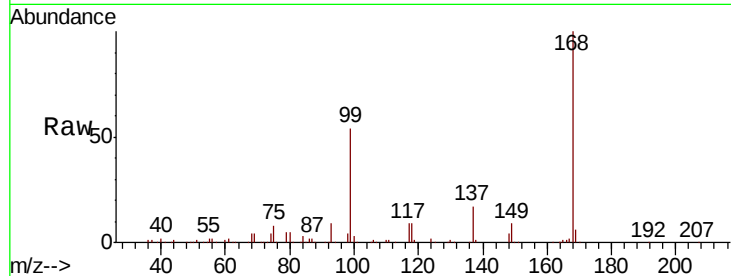
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 503295

Ion Ratio Lower Upper

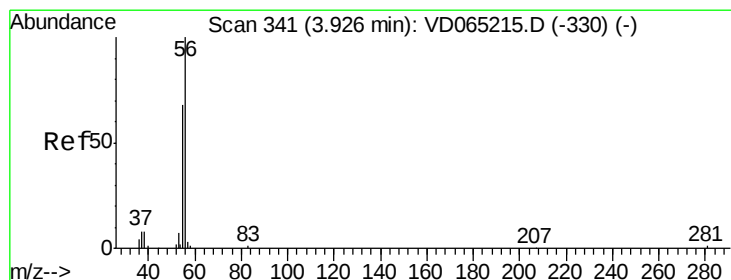
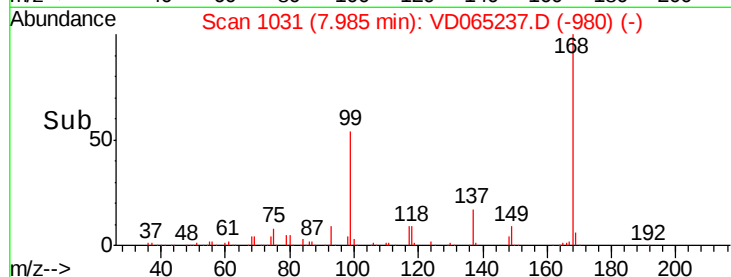
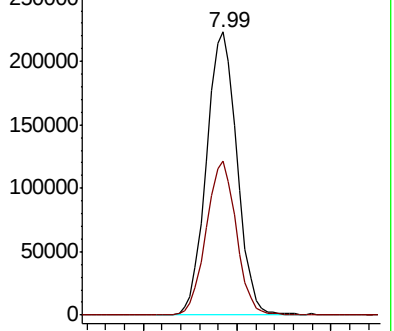
168 100

99 54.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.94 min Scan# 344

Delta R.T. 0.02 min

Lab File: VD065237.D

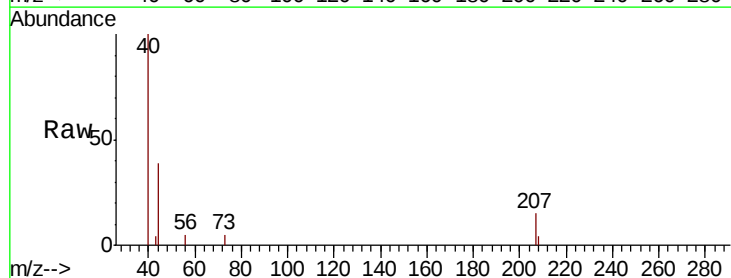
Acq: 19 Feb 2020 14:26

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

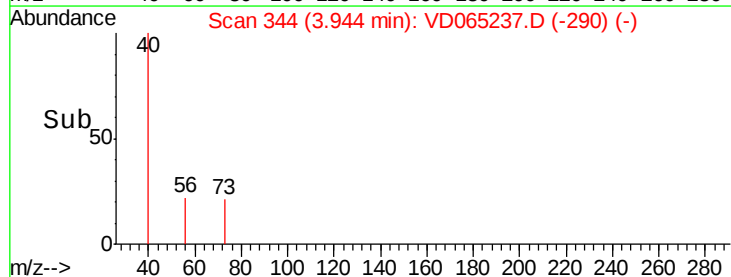
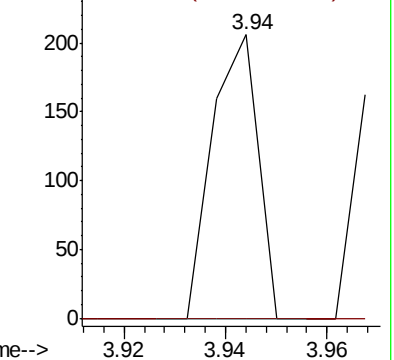
56 100

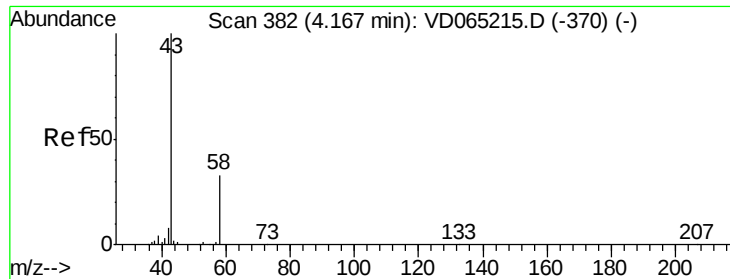
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

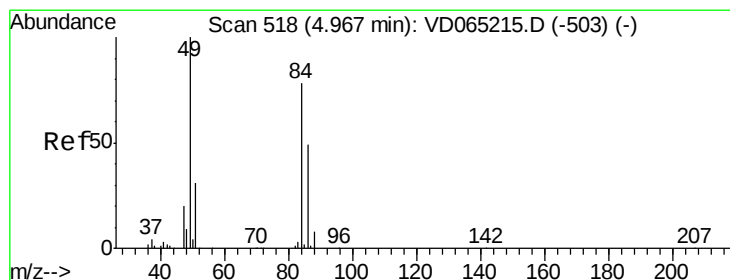
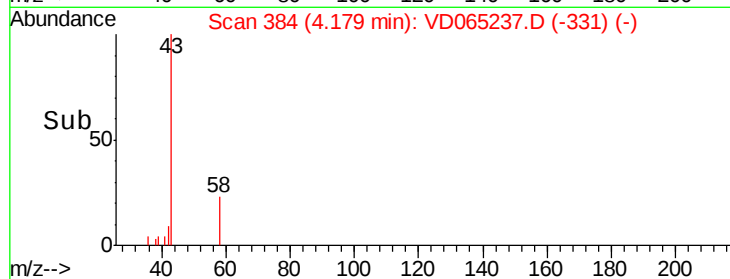
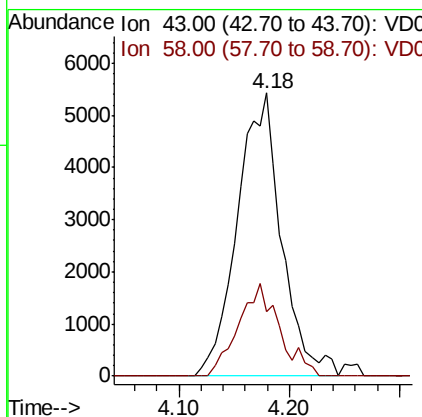
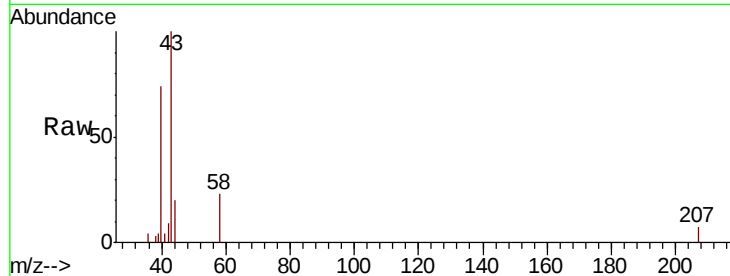




#16
Acetone
Concen: 13.761 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

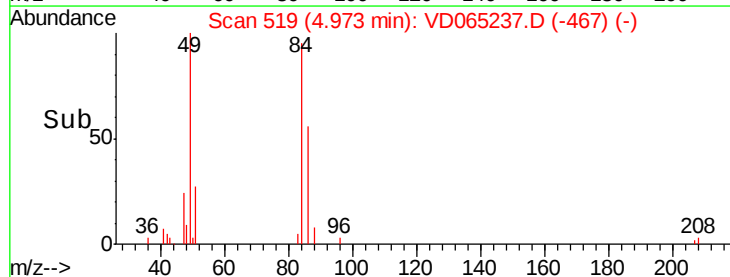
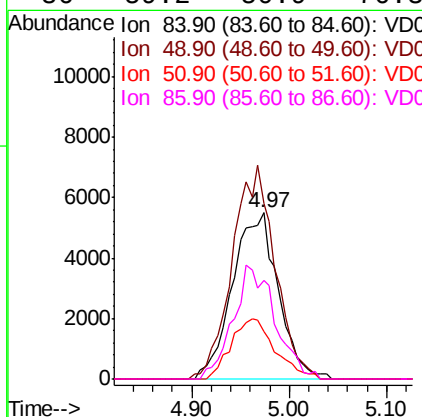
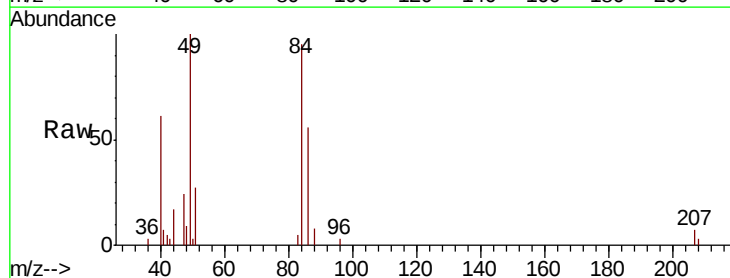
Instrument :
MSVOA_D
ClientSampleId :

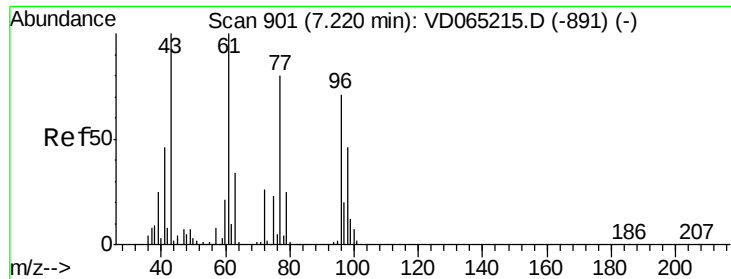
Tot Ion: 43 Resp: 15231
Ion Ratio Lower Upper
43 100
58 22.8 26.2 39.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

Tgt Ion: 84 Resp: 17909
Ion Ratio Lower Upper
84 100
49 105.6 103.1 154.7
51 28.2 31.7 47.5#
86 59.2 50.9 76.3

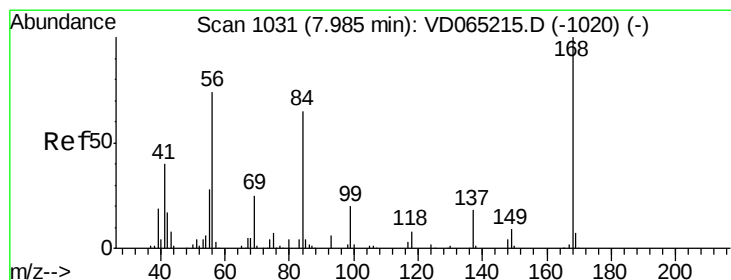
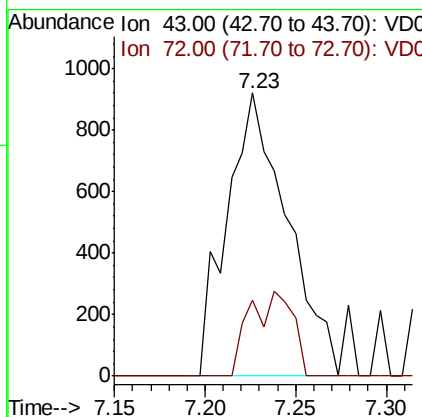
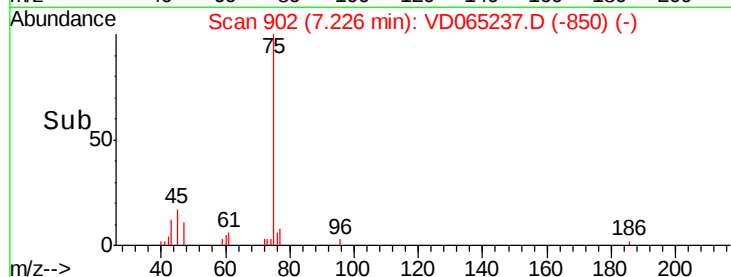
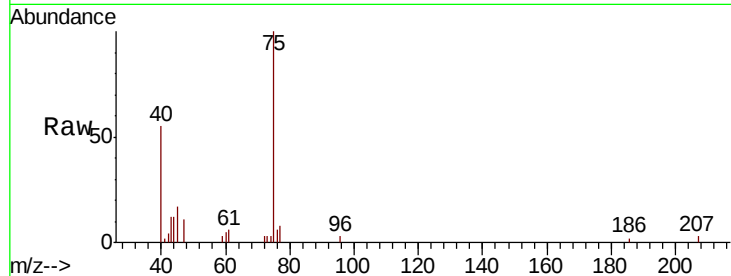




#25
2-Butanone
Concen: 1.522 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

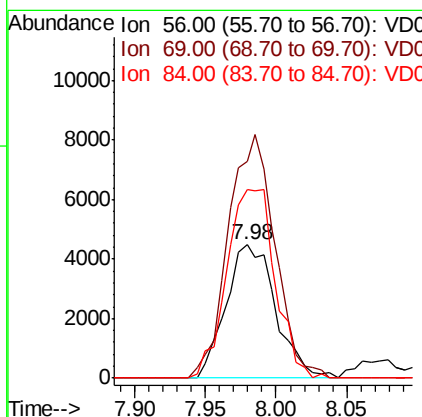
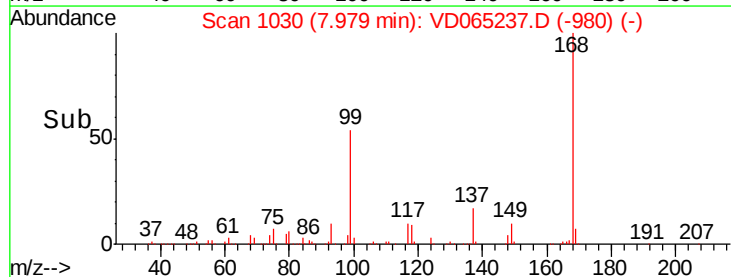
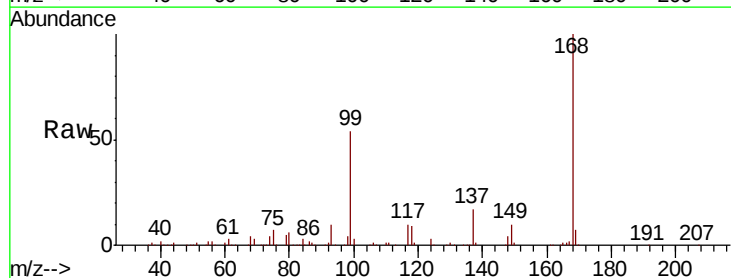
Instrument :
MSVOA_D
ClientSampled :

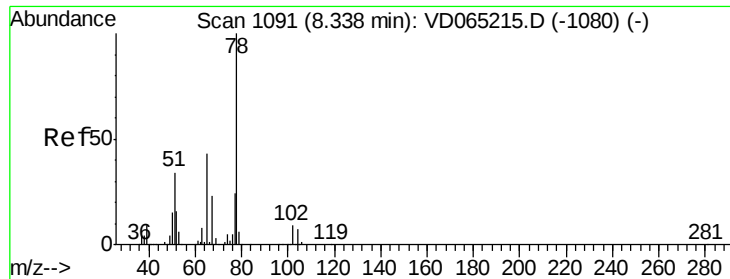
Tot Ion: 43 Resp: 2131
Ion Ratio Lower Upper
43 100
72 26.8 20.9 31.3



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

Tgt Ion: 56 Resp: 11034
Ion Ratio Lower Upper
56 100
69 162.6 27.4 41.0#
84 145.1 71.1 106.7#

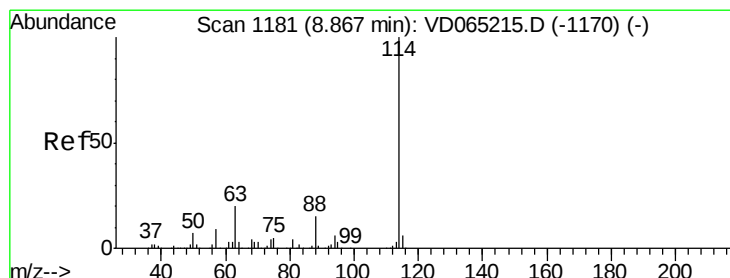
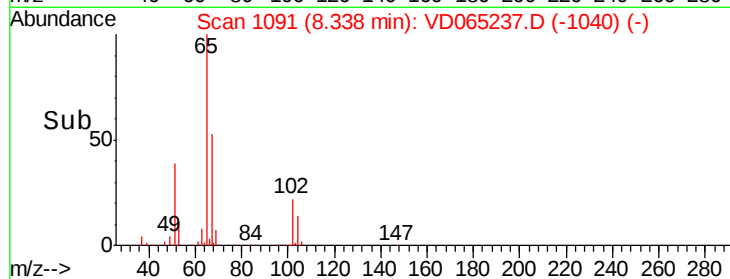
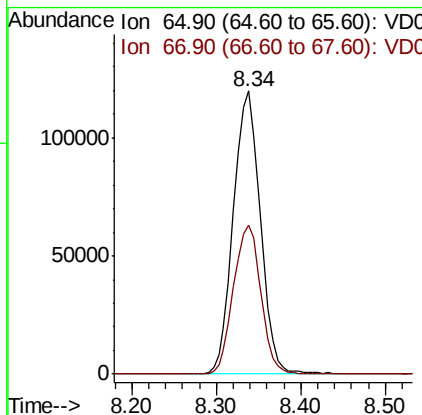
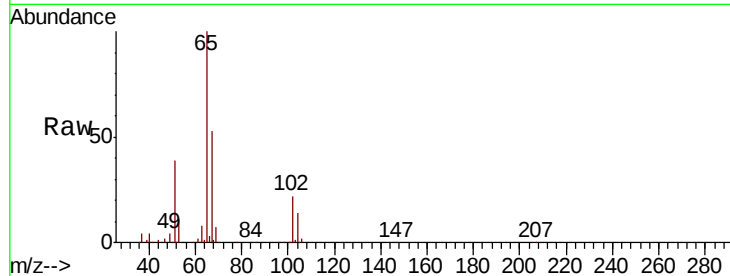




#33
 1,2-Dichloroethane-d4
 Concen: 58.381 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065237.D
 Acq: 19 Feb 2020 14:26

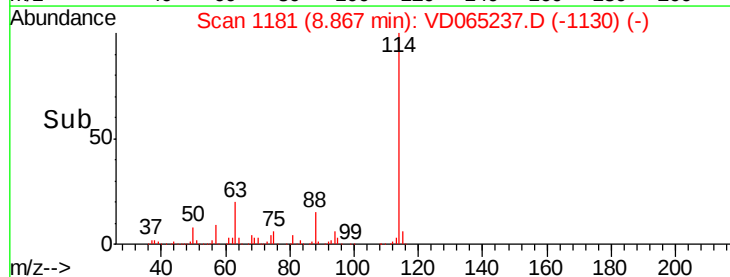
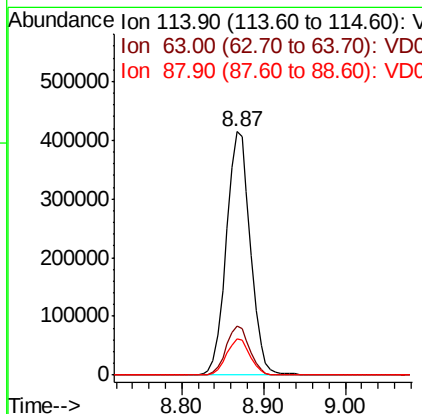
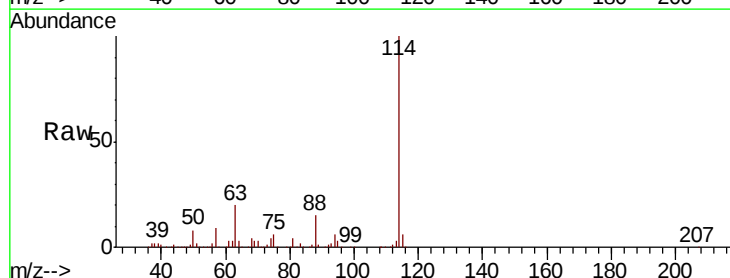
Instrument :
 MSVOA_D
 ClientSampleId :

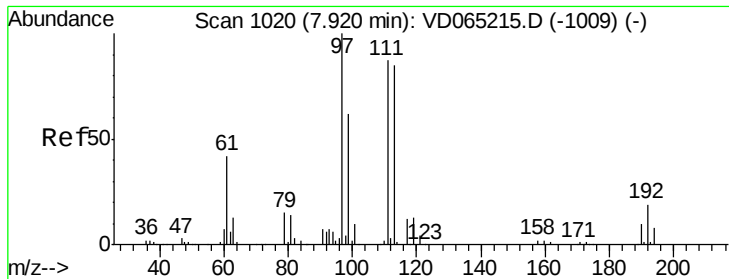
Tot Ion: 65 Resp: 264330
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065237.D
 Acq: 19 Feb 2020 14:26

Tgt Ion: 114 Resp: 846567
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 15.0 0.0 30.4

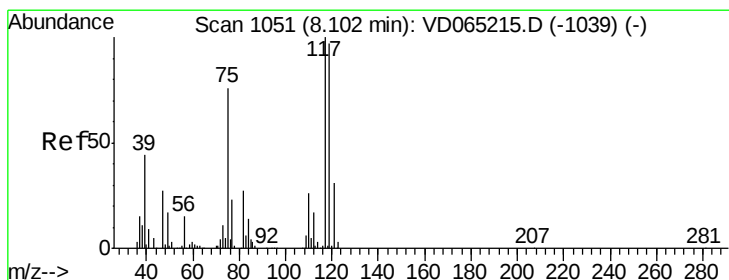
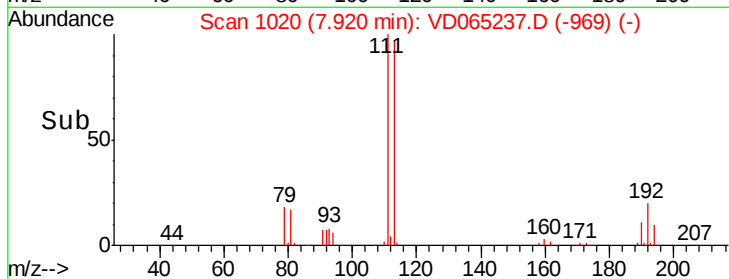
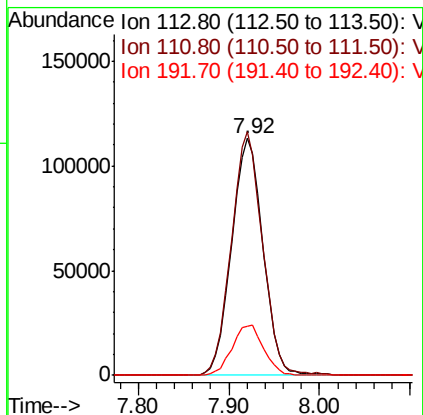
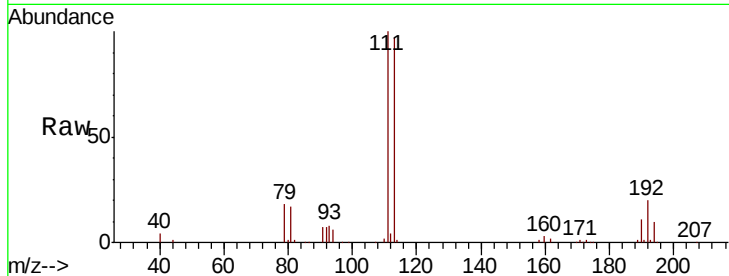




#35
 Dibromofluoromethane
 Concen: 52.762 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065237.D
 Acq: 19 Feb 2020 14:26

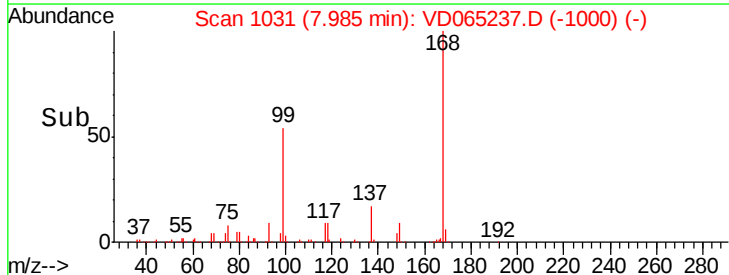
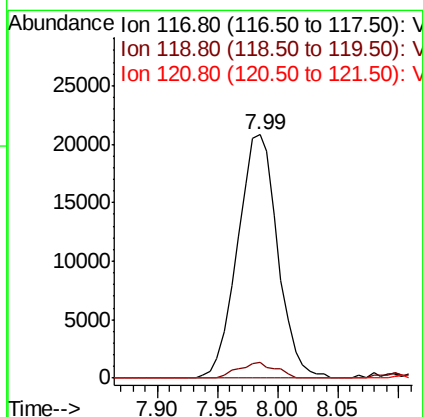
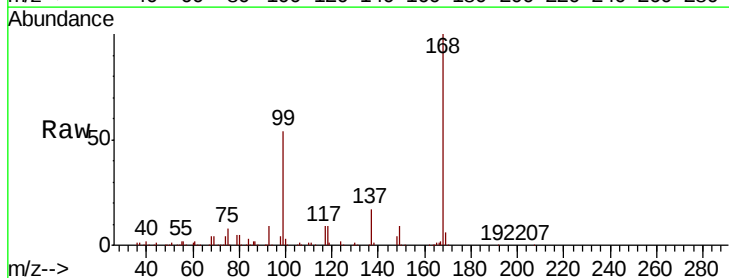
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	21.4	17.3	25.9



#38
 Carbon Tetrachloride
 Concen: 5.720 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065237.D
 Acq: 19 Feb 2020 14:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.6	116.4#
121	0.0	24.8	37.2#

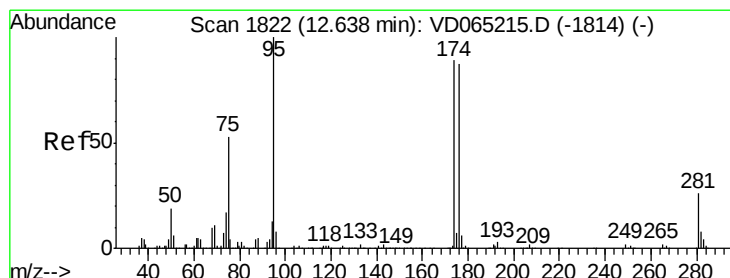
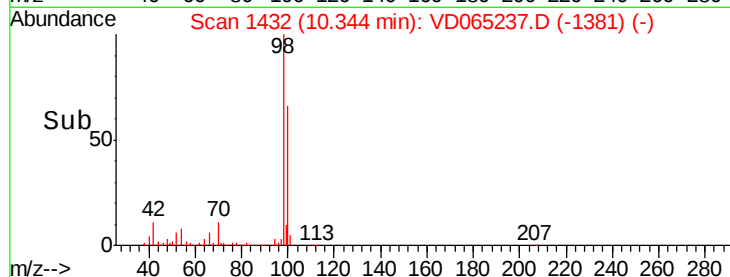
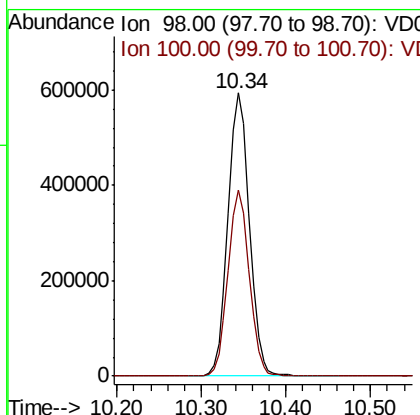
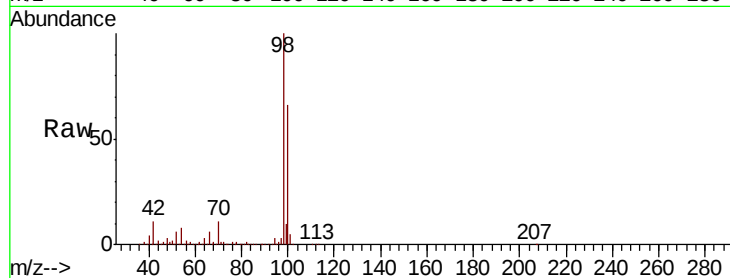




#50
Toluene-d8
Concen: 52.541 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

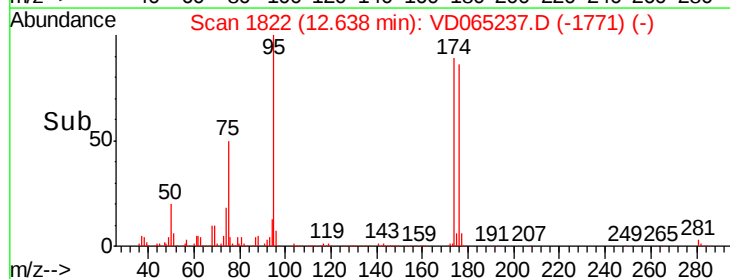
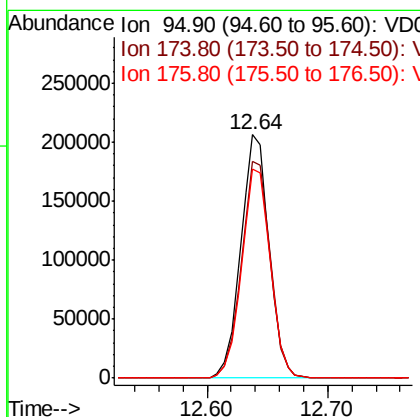
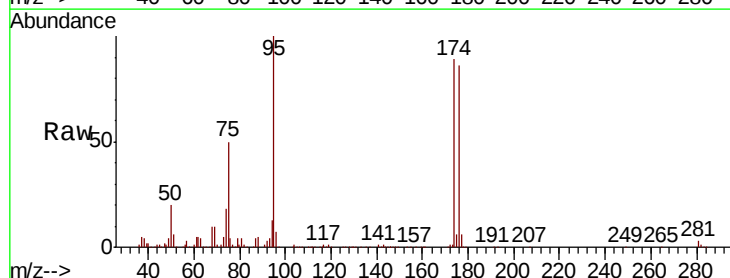
Instrument :
MSVOA_D
ClientSampleId :

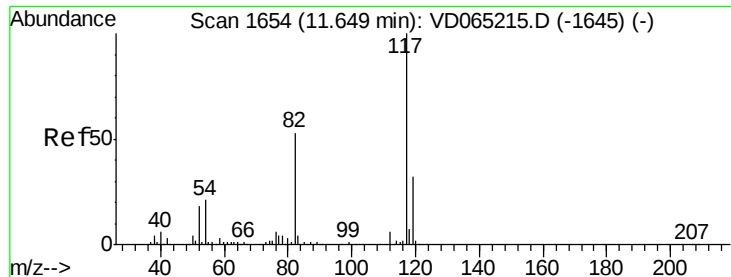
Tot Ion: 98 Resp: 1036800
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.834 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

Tgt Ion: 95 Resp: 336533
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.0
176 87.5 0.0 174.4

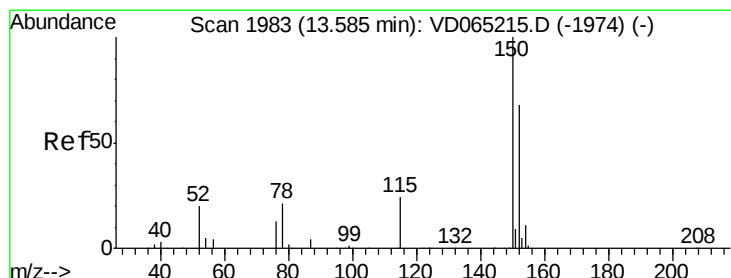
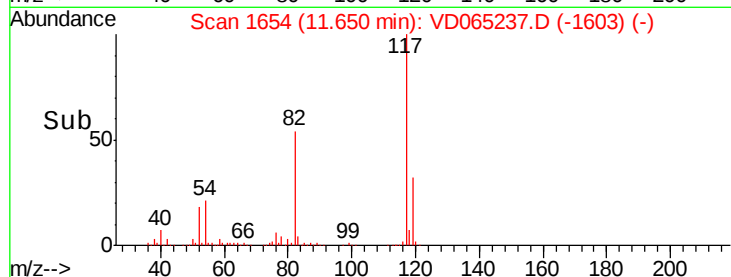
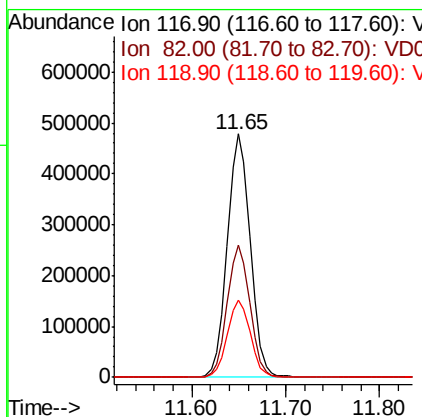
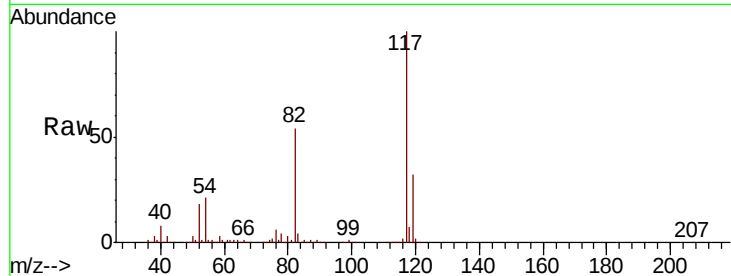




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

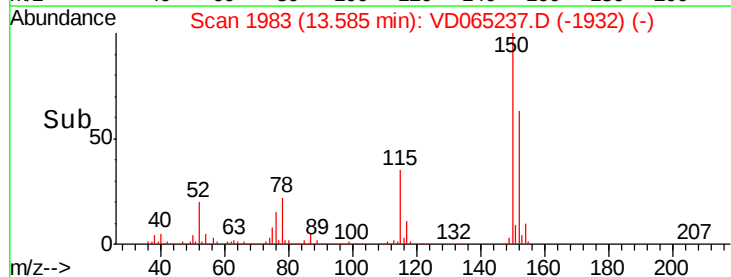
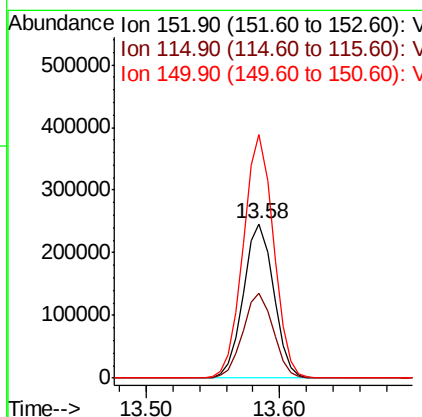
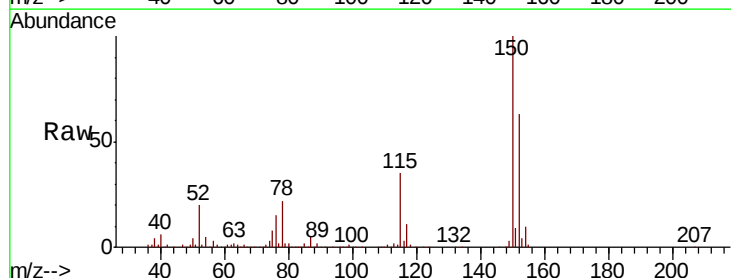
Instrument :
MSVOA_D
ClientSampleId :

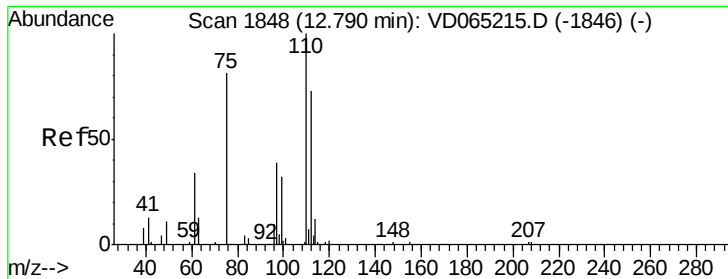
Tot Ion:117 Resp: 812872
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065237.D
Acq: 19 Feb 2020 14:26

Tgt Ion:152 Resp: 385214
Ion Ratio Lower Upper
152 100
115 55.4 27.6 82.8
150 157.6 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 52.200 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065237.D

Acq: 19 Feb 2020 14:26

Instrument :

MSVOA_D

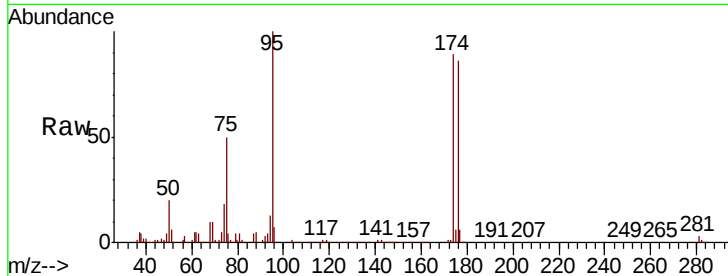
ClientSampleId :

Tot Ion: 75 Resp: 171087

Ion Ratio Lower Upper

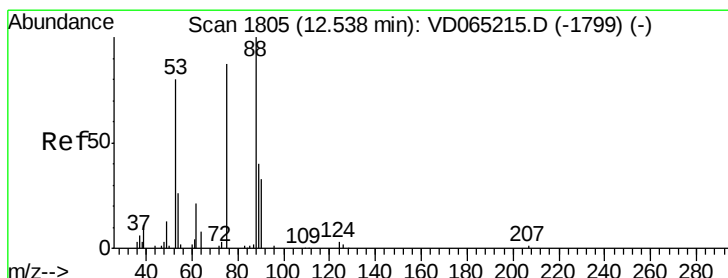
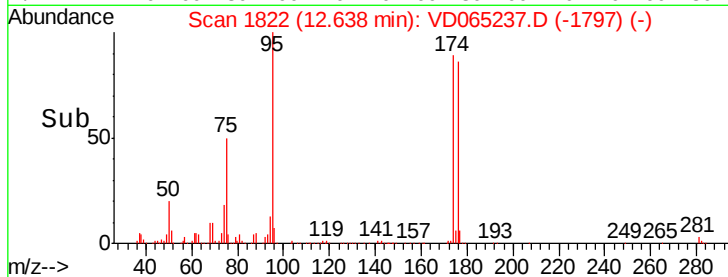
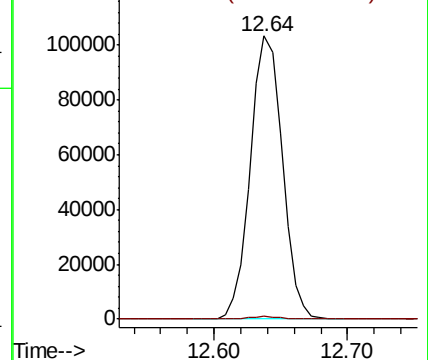
75 100

77 1.1 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: 112.710 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065237.D

Acq: 19 Feb 2020 14:26

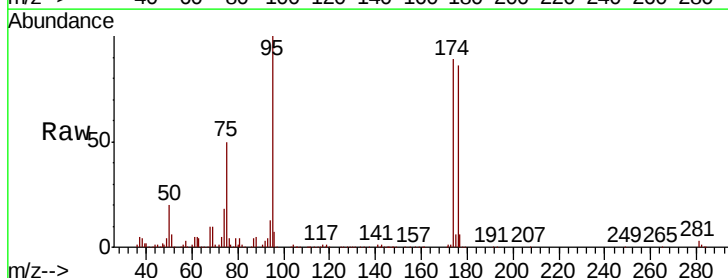
Tgt Ion: 75 Resp: 171087

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.2 55.8#



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

