

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065346.D
 Acq On : 27 Feb 2020 15:55
 Operator : VA/SY
 Sample : L1719-02
 Misc : 7.95G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:36:02 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	492841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	826869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	745979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	271388	61.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.42%	
35) Dibromofluoromethane	7.92	113	270776	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	
50) Toluene-d8	10.34	98	988005	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
62) 4-Bromofluorobenzene	12.64	95	299601	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	

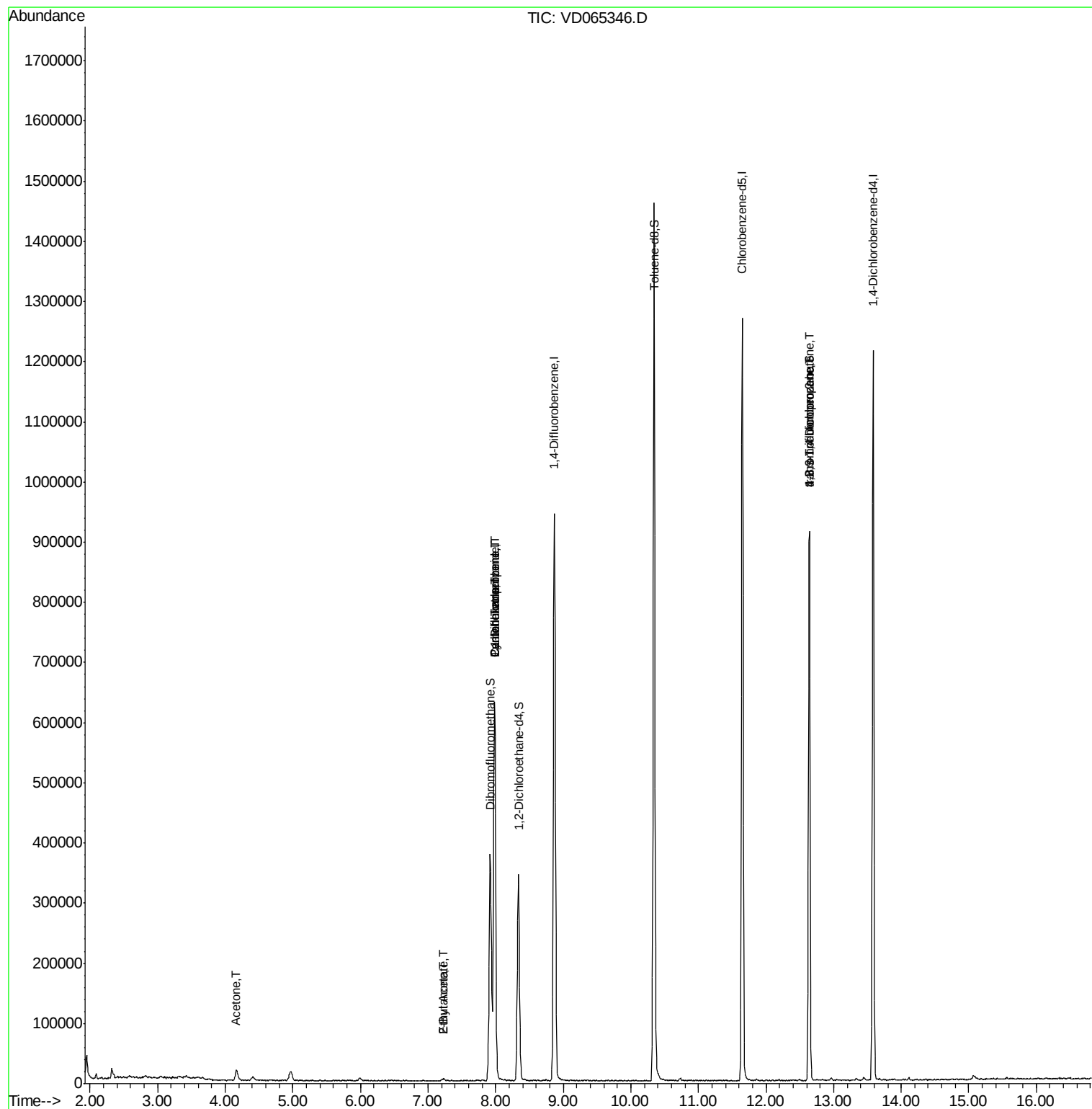
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	29427	27.152	ug/l	96
20) Methylene Chloride	4.97	84	12581	Below Cal		89
25) 2-Butanone	7.23	43	5188	3.783	ug/l	95
31) Cyclohexane	7.98	56	9682	1.111	ug/l #	1
36) 1,1-Dichloropropene	7.99	75	35851	4.456	ug/l #	48
37) Ethyl Acetate	7.23	43	5188	1.542	ug/l #	69
38) Carbon Tetrachloride	7.99	117	46138	5.633	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	147786	51.962	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	147786	112.195	ug/l #	11

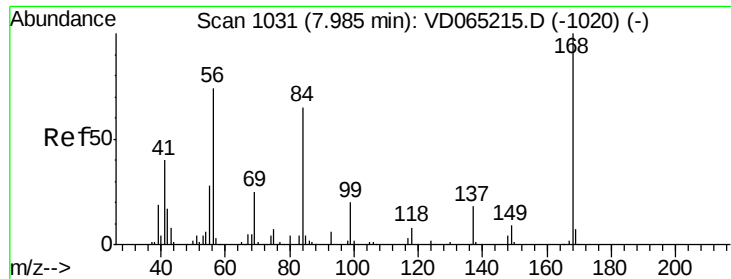
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065346.D

Acq: 27 Feb 2020 15:55

Instrument :

MSVOA_D

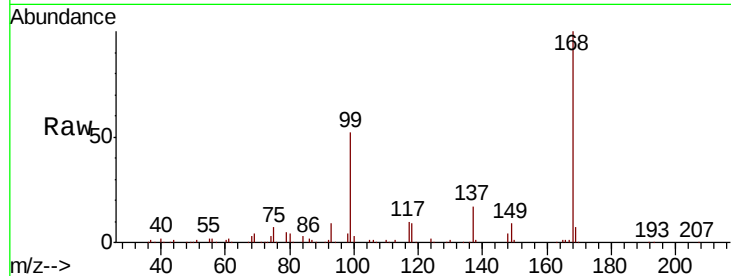
ClientSampled :

Tot Ion:168 Resp: 492841

Ion Ratio Lower Upper

168 100

99 52.2 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

150000

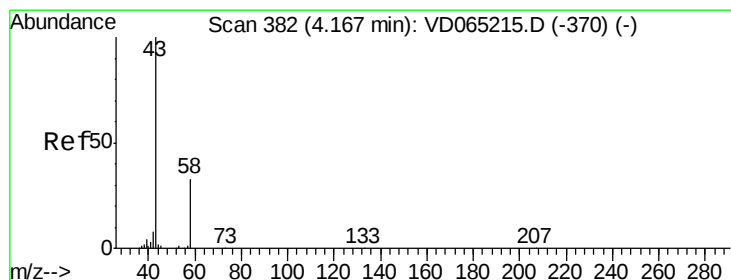
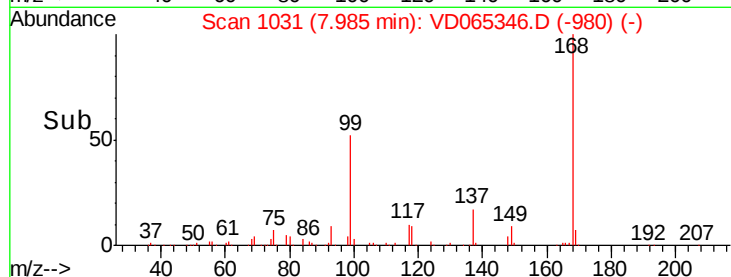
100000

50000

0

Time-->

7.90 8.00 8.10



#16

Acetone

Concen: 27.152 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065346.D

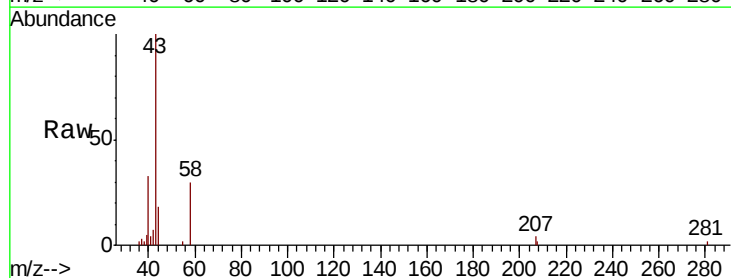
Acq: 27 Feb 2020 15:55

Tgt Ion: 43 Resp: 29427

Ion Ratio Lower Upper

43 100

58 30.5 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

12000

10000

8000

6000

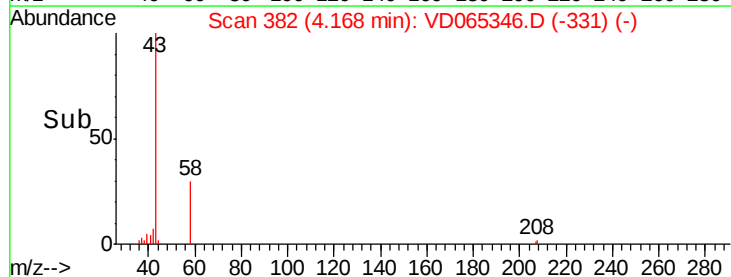
4000

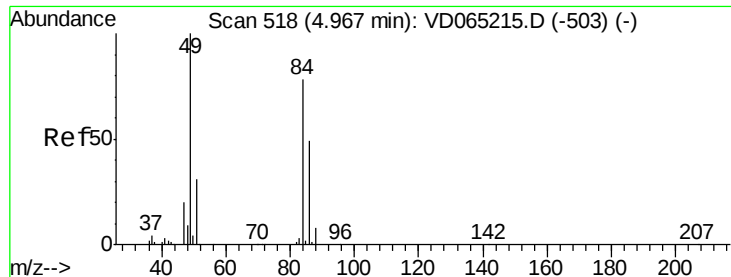
2000

0

Time-->

4.10 4.20 4.30

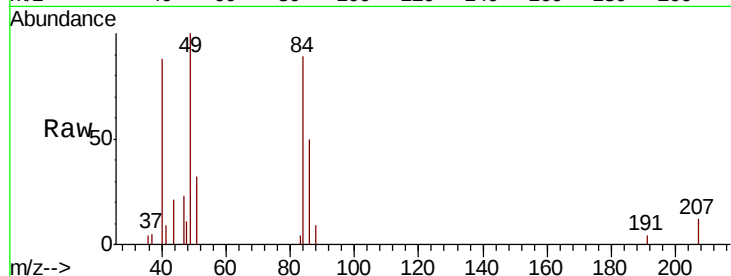




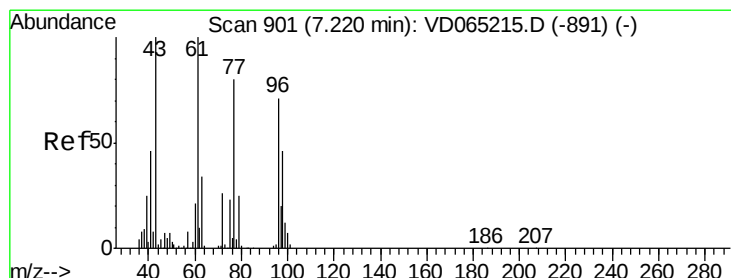
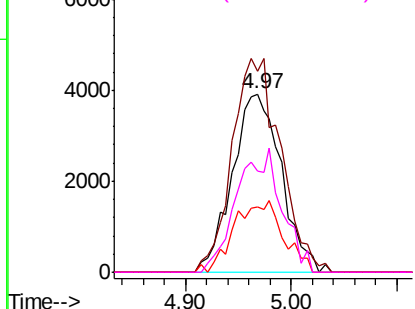
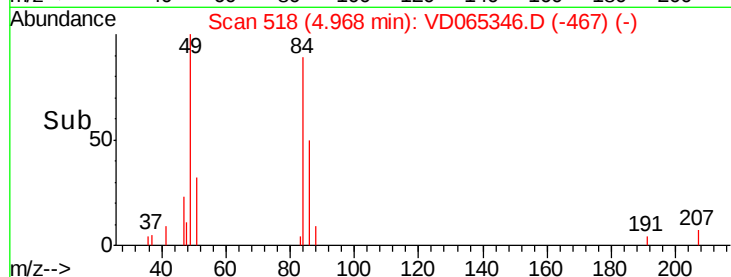
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 12581
Ion Ratio Lower Upper
84 100
49 112.8 103.1 154.7
51 36.3 31.7 47.5
86 56.4 50.9 76.3

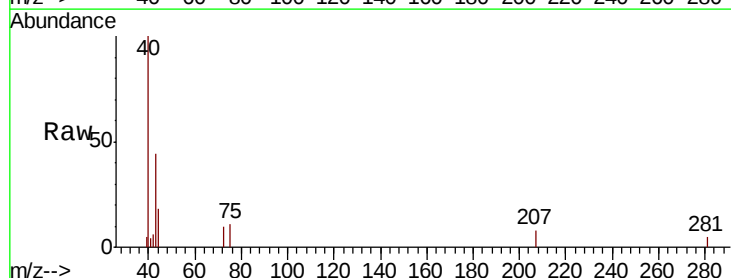


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

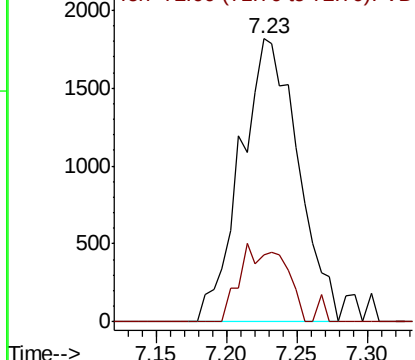
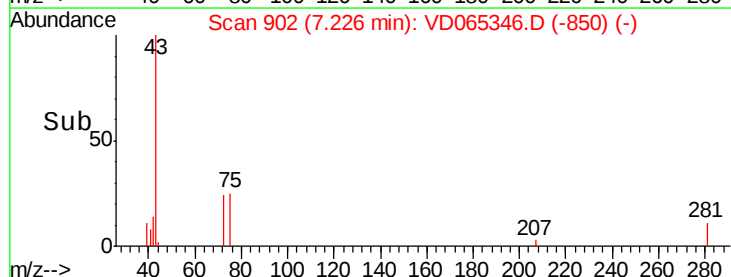


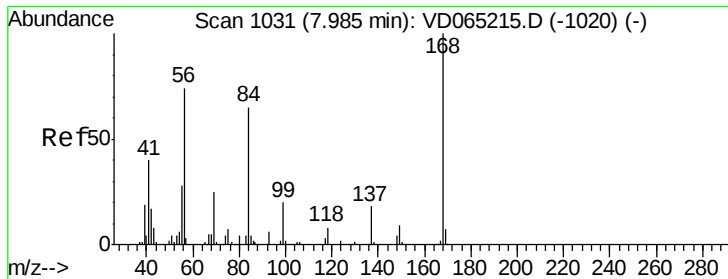
#25
2-Butanone
Concen: 3.783 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Tgt Ion: 43 Resp: 5188
Ion Ratio Lower Upper
43 100
72 23.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

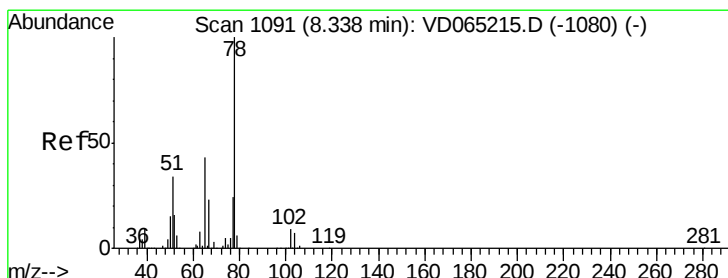
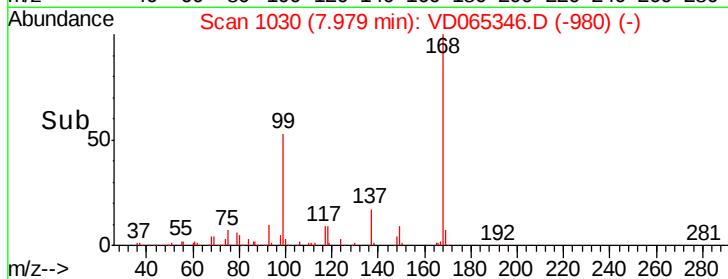
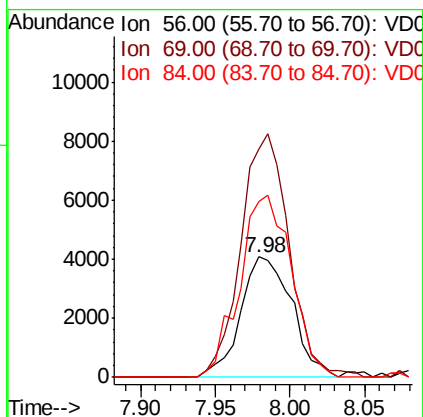
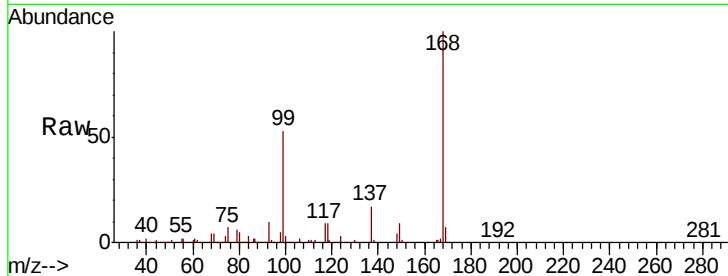




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

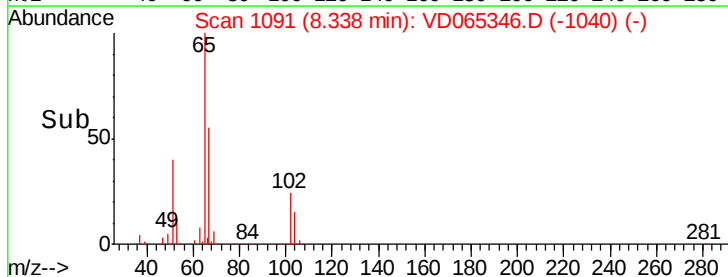
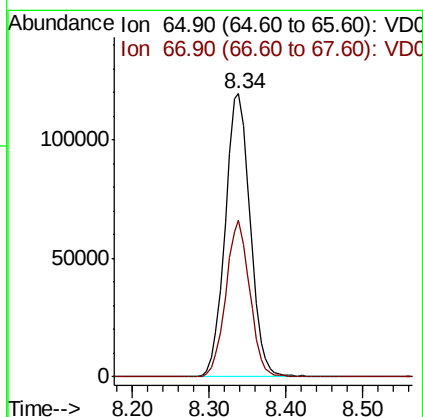
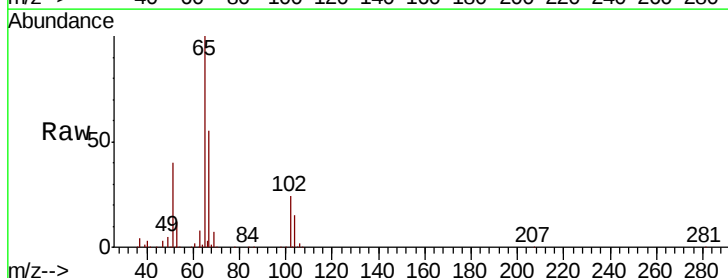
Instrument :
MSVOA_D
ClientSampled :

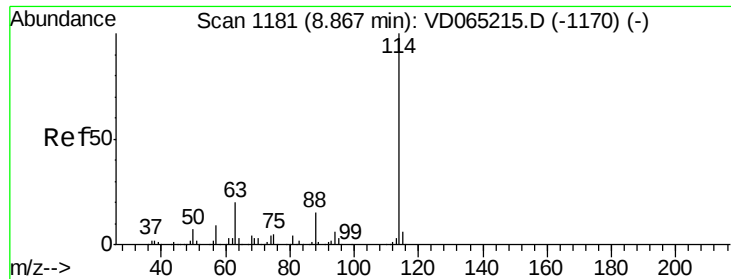
Tot Ion: 56 Resp: 9682
Ion Ratio Lower Upper
56 100
69 189.9 27.4 41.0#
84 146.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 61.211 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Tgt Ion: 65 Resp: 271388
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

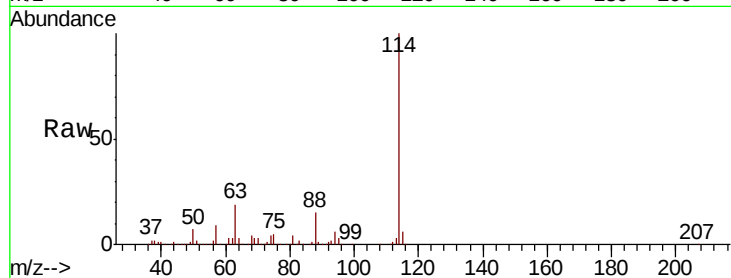




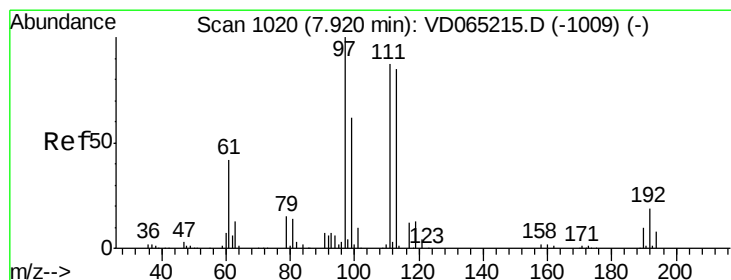
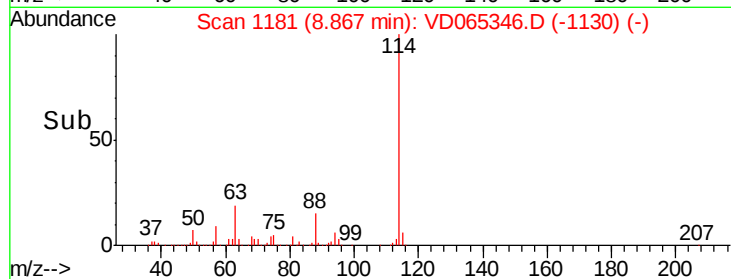
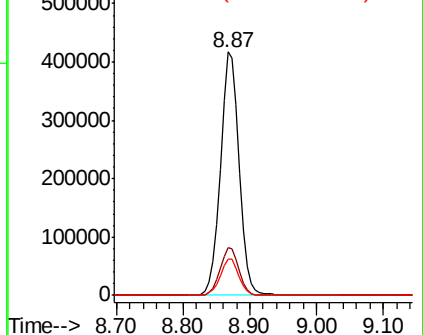
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.2	0.0	30.4

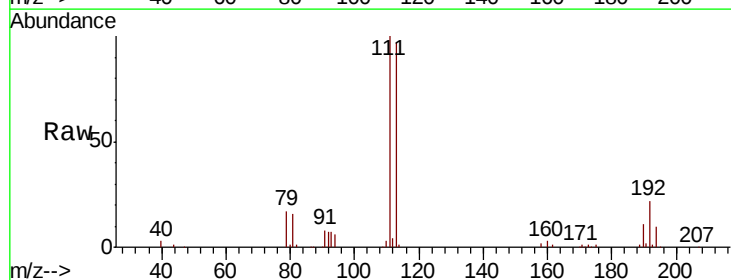


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

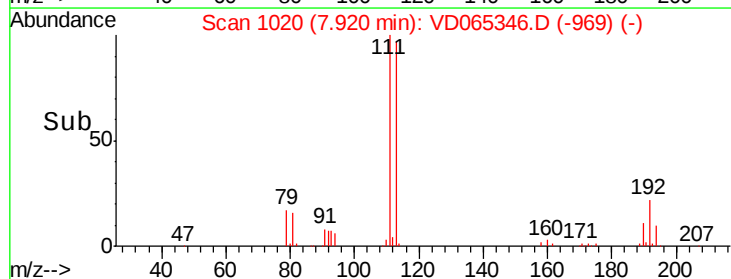
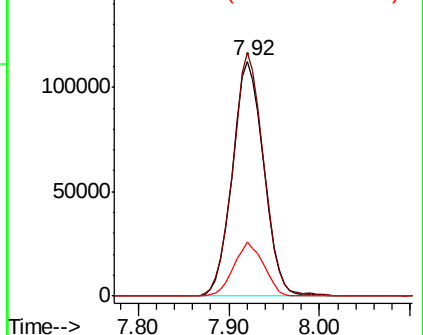


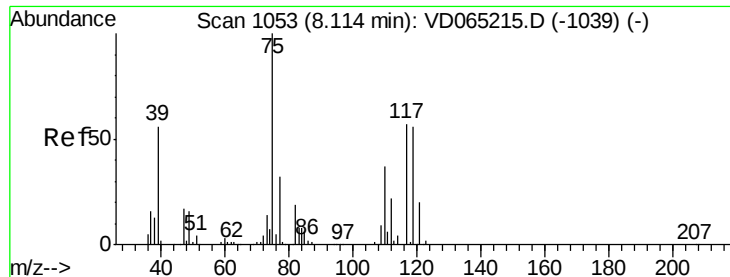
#35
Dibromofluoromethane
Concen: 53.707 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	22.2	17.3	25.9



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: 4.456 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065346.D

Acq: 27 Feb 2020 15:55

Instrument :

MSVOA_D

ClientSampled :

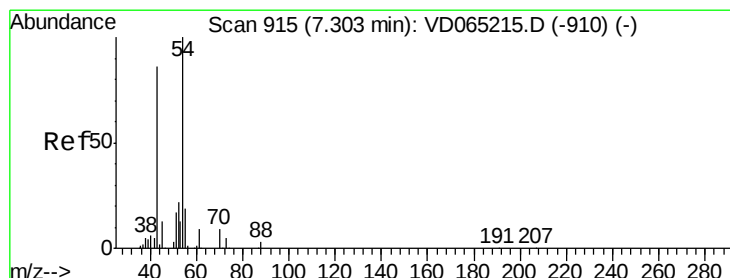
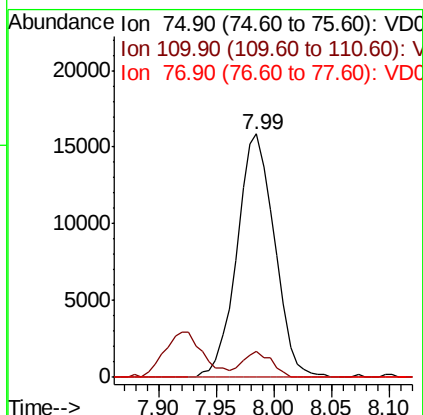
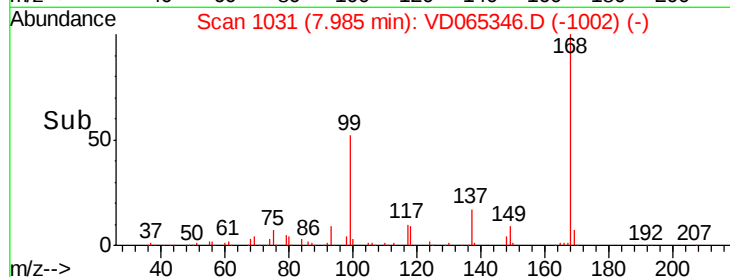
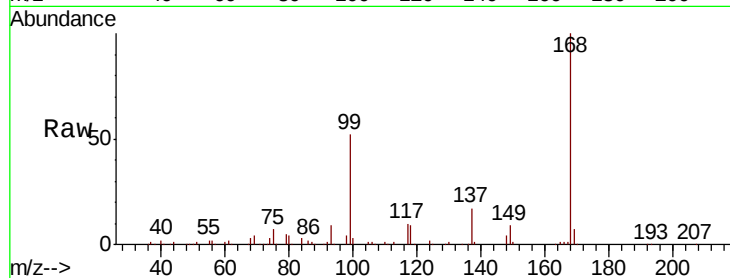
Tot Ion: 75 Resp: 35851

Ion Ratio Lower Upper

75 100

110 8.3 17.9 53.7#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.542 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.08 min

Lab File: VD065346.D

Acq: 27 Feb 2020 15:55

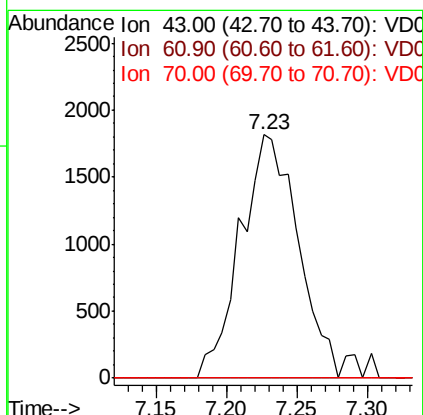
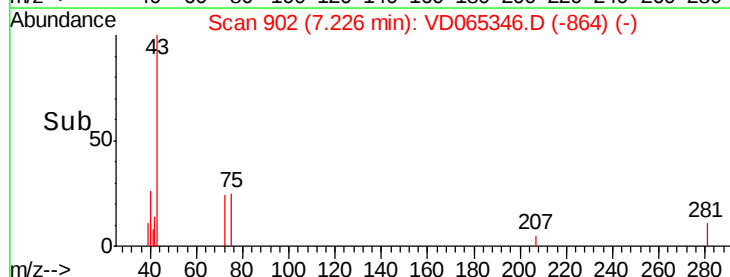
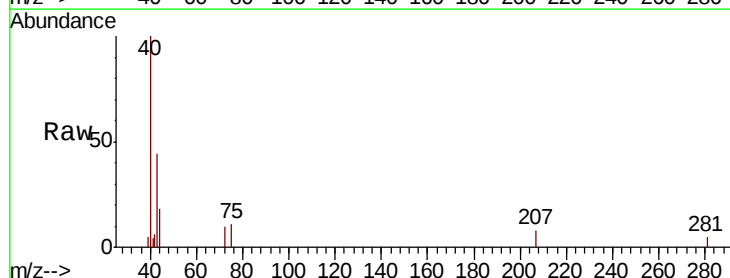
Tgt Ion: 43 Resp: 5188

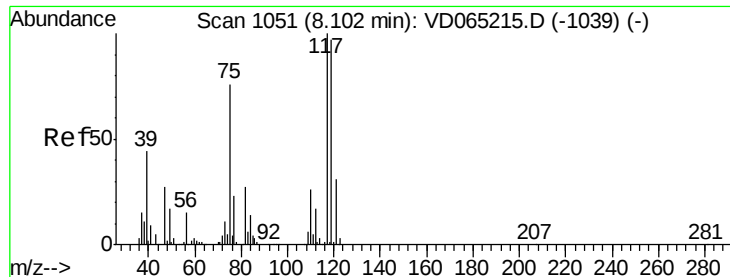
Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

70 0.0 8.2 12.2#

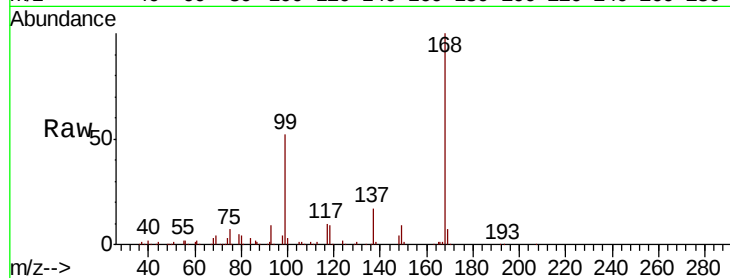




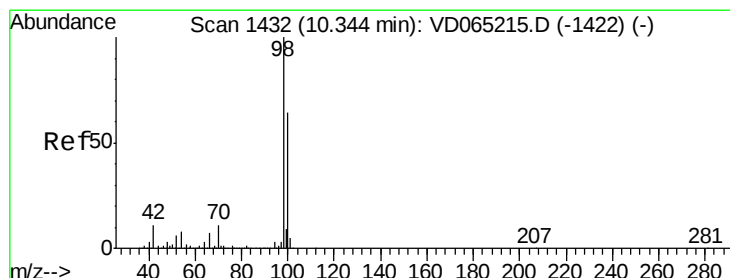
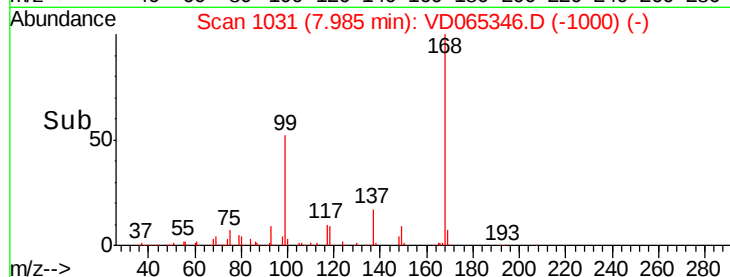
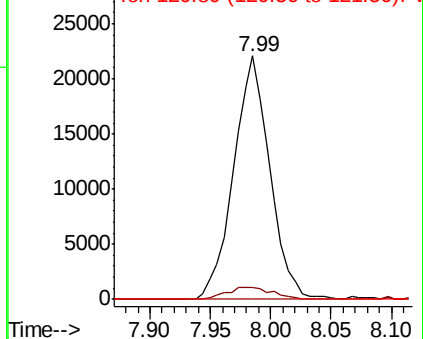
#38
Carbon Tetrachloride
Concen: 5.633 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 46138
Ion Ratio Lower Upper
117 100
119 4.9 77.6 116.4#
121 0.0 24.8 37.2#

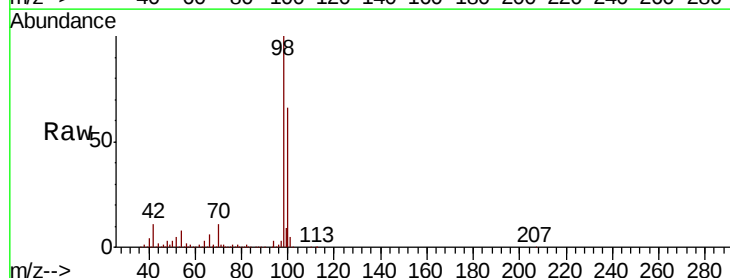


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

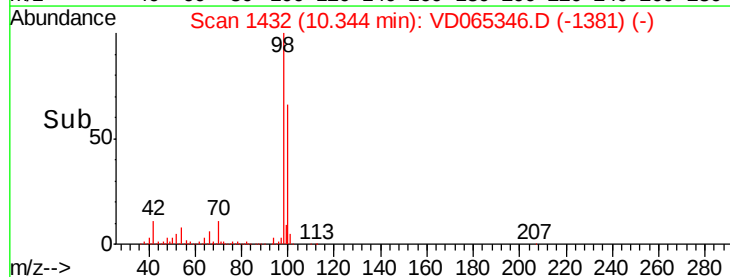
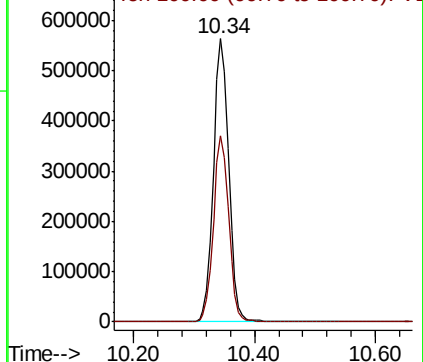


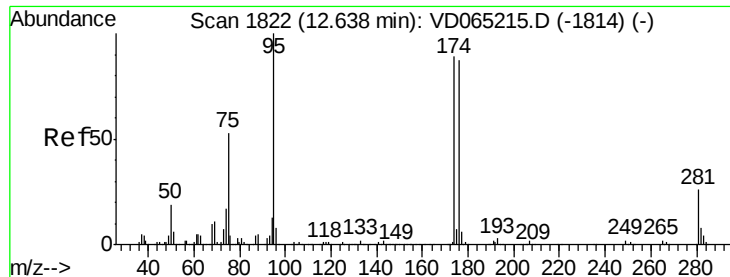
#50
Toluene-d8
Concen: 51.261 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Tgt Ion: 98 Resp: 988005
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



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

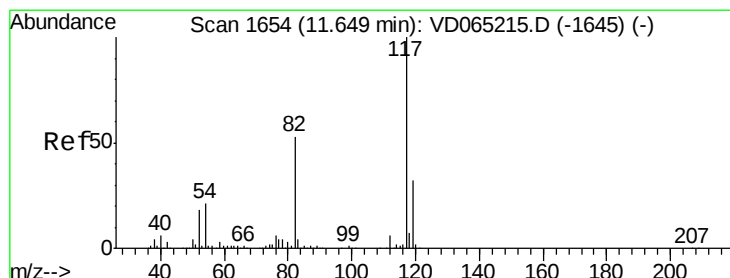
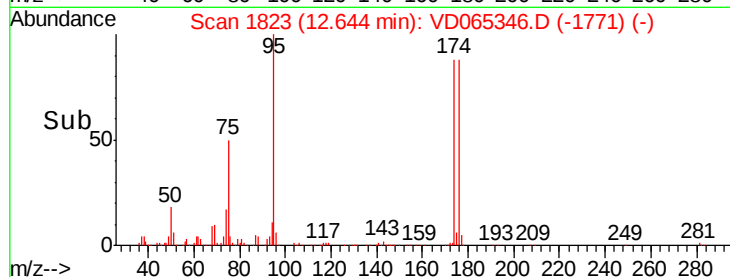
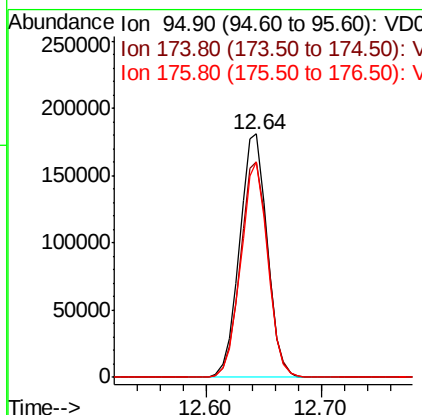
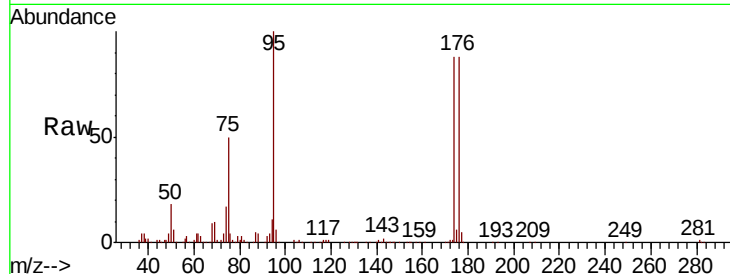




#62
4-Bromofluorobenzene
Concen: 49.067 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

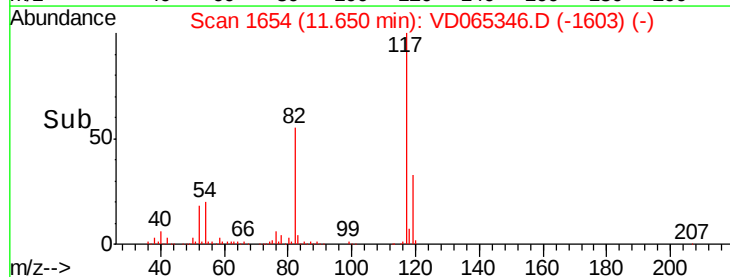
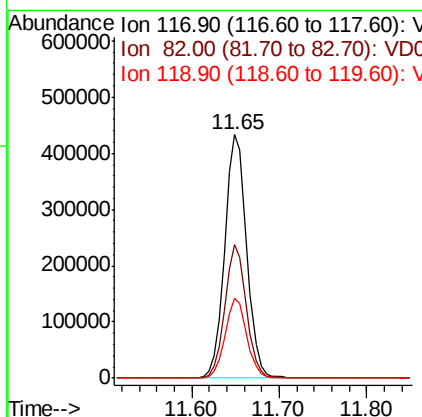
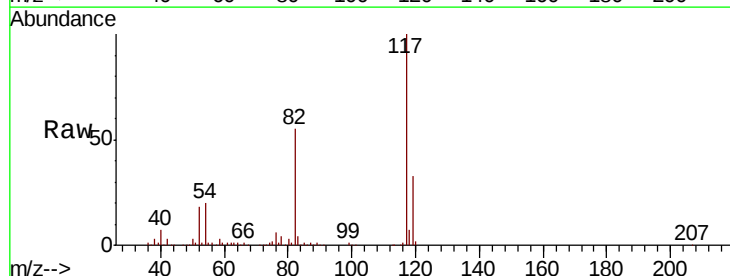
Instrument :
MSVOA_D
ClientSampleId :

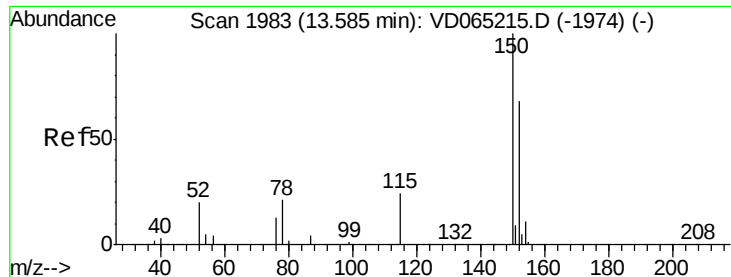
Tot Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	178.0
176	85.9	0.0	174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065346.D
Acq: 27 Feb 2020 15:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.7	64.1
119	32.9	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: VD065346.D

Acq: 27 Feb 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

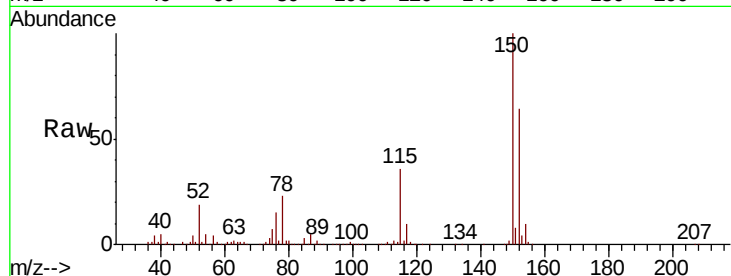
Tot Ion:152 Resp: 334277

Ion Ratio Lower Upper

152 100

115 56.0 27.6 82.8

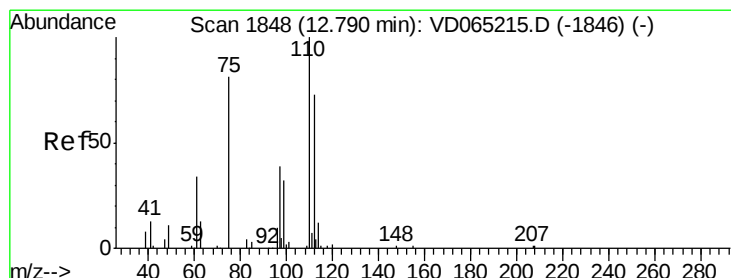
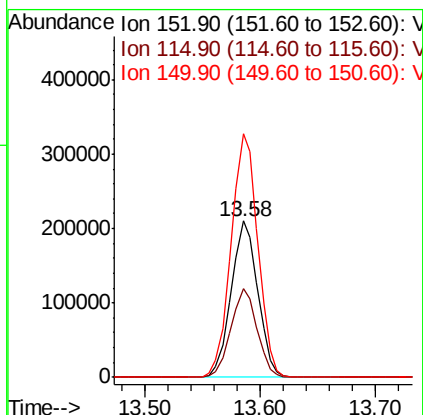
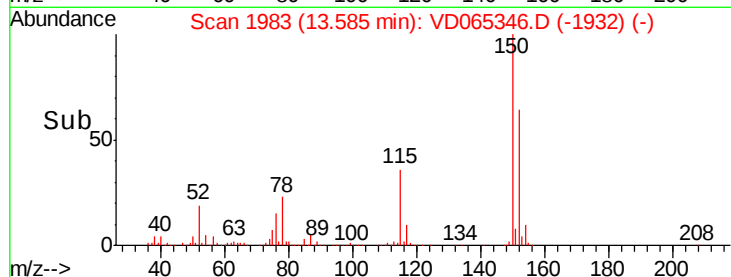
150 156.8 0.0 347.4



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: 51.962 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065346.D

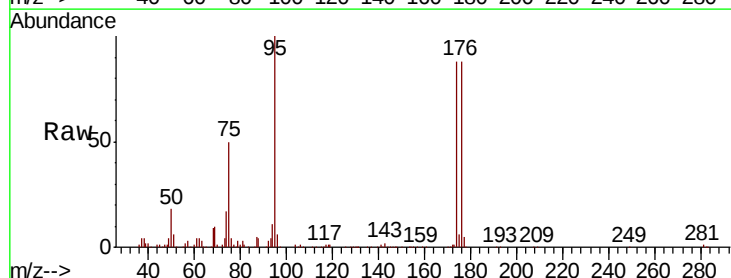
Acq: 27 Feb 2020 15:55

Tgt Ion: 75 Resp: 147786

Ion Ratio Lower Upper

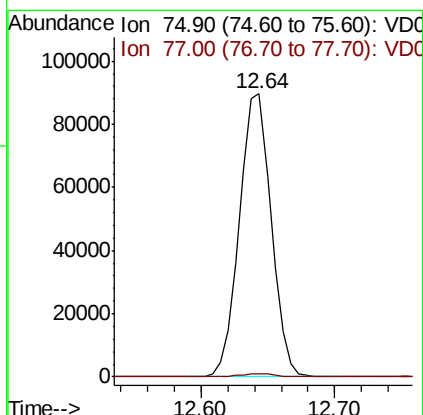
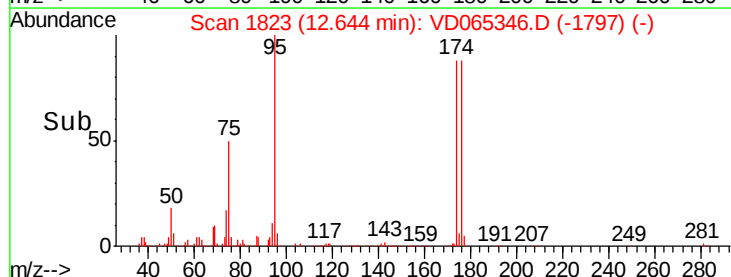
75 100

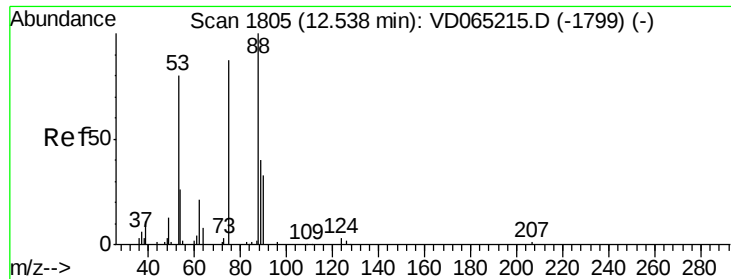
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 112.195 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065346.D

Acq: 27 Feb 2020 15:55

Instrument :

MSVOA_D

ClientSampleId :

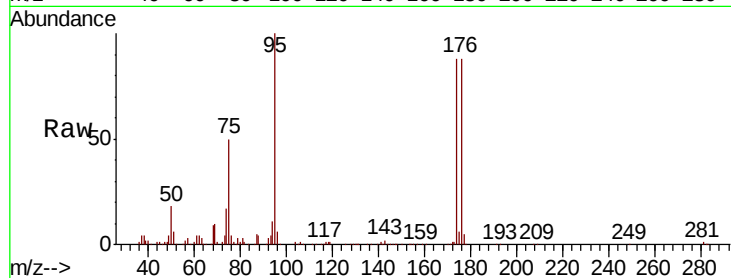
Tot Ion: 75 Resp: 147786

Ion Ratio Lower Upper

75 100

53 0.1 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

