

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065256.D
 Acq On : 20 Feb 2020 15:32
 Operator : VA/SY
 Sample : L1604-01
 Misc : 6.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:03:55 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

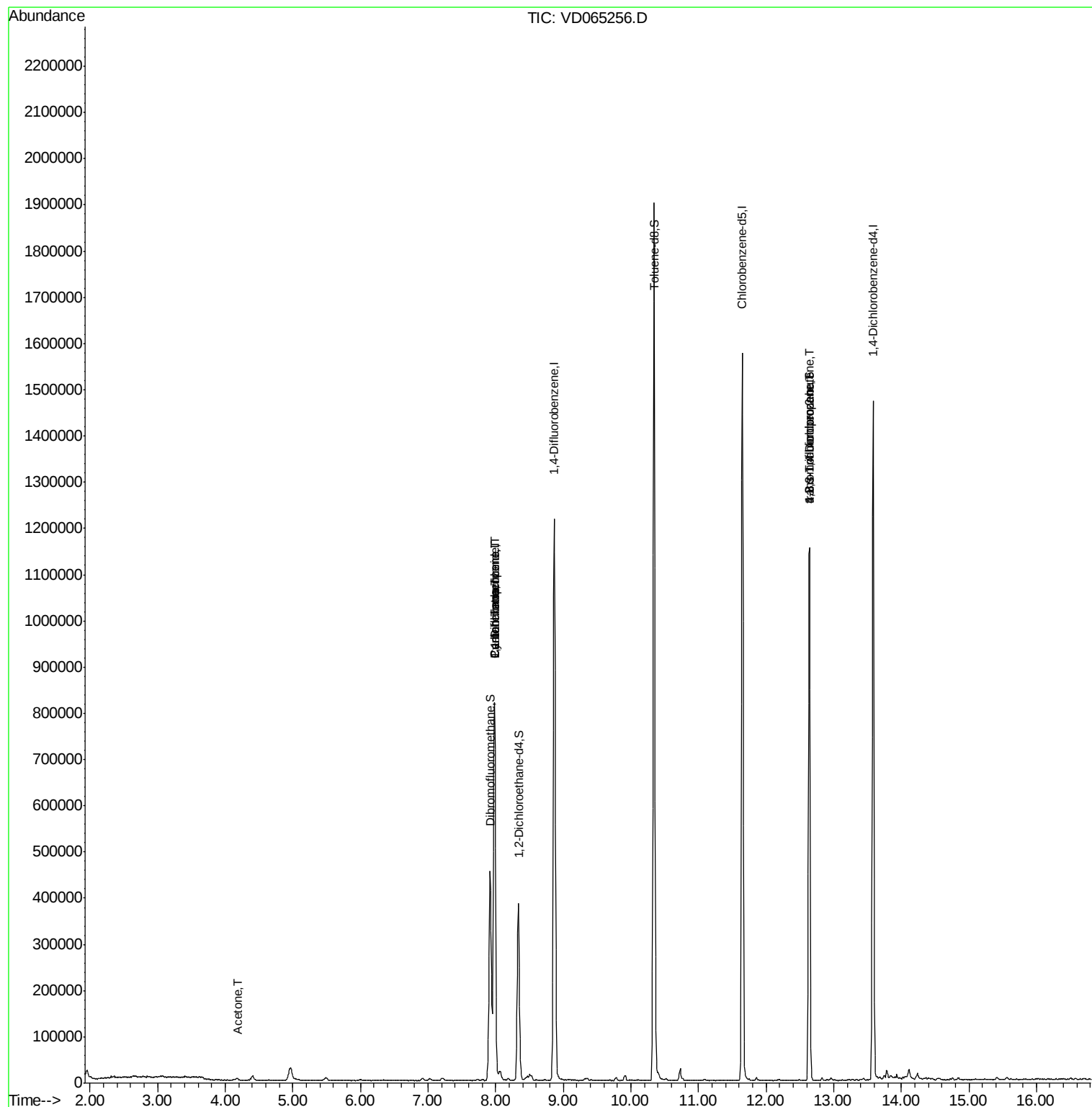
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	653235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1070940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	921576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	404955	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	303819	51.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.40%	
35) Dibromofluoromethane	7.92	113	326681	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
50) Toluene-d8	10.34	98	1280765	51.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	369178	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
Target Compounds						
13) Acrolein	4.14	56	198	Below Cal	#	55
16) Acetone	4.17	43	7141	4.971	ug/l	90
20) Methylene Chloride	4.97	84	19139	Below Cal		92
31) Cyclohexane	7.98	56	14236	1.232	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	46917	4.502	ug/l #	49
38) Carbon Tetrachloride	7.98	117	60581	5.711	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	184142	53.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	184142	115.396	ug/l #	11

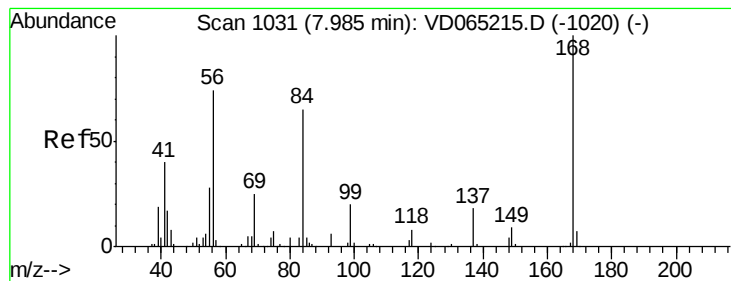
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065256.D

Acq: 20 Feb 2020 15:32

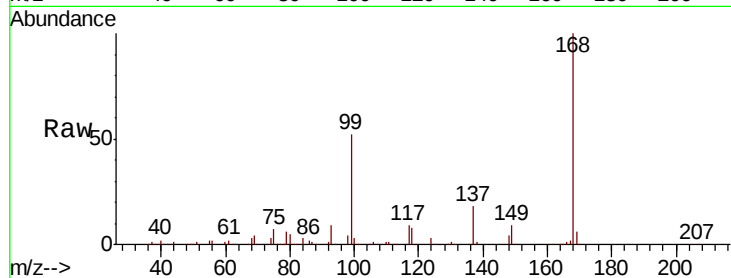
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 653235

Ion Ratio Lower Upper

168 100

99 52.3 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

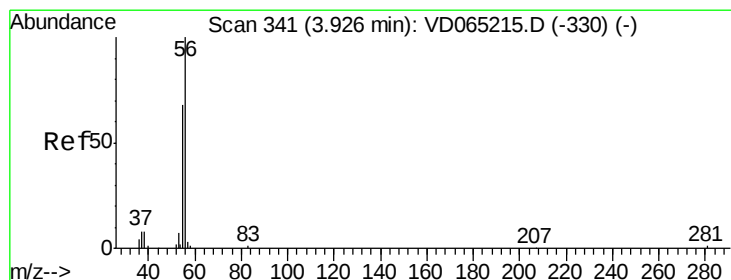
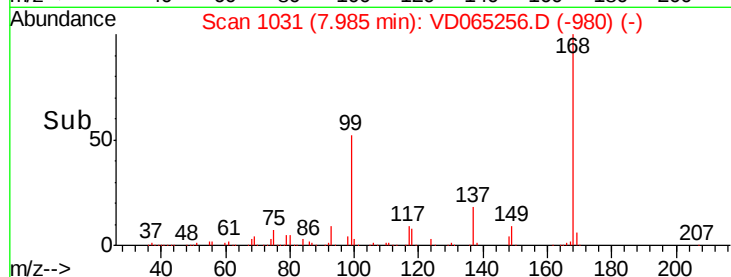
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: Below Cal

RT: 4.14 min Scan# 377

Delta R.T. 0.21 min

Lab File: VD065256.D

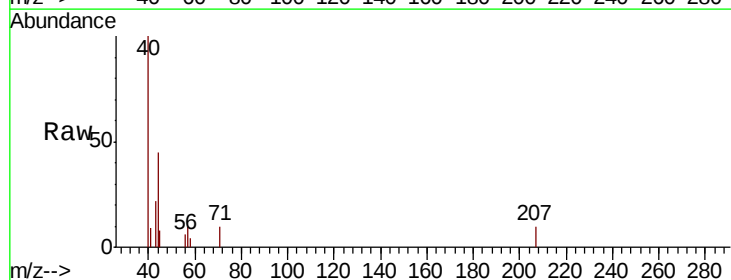
Acq: 20 Feb 2020 15:32

Tgt Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 33.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

4.14

250

200

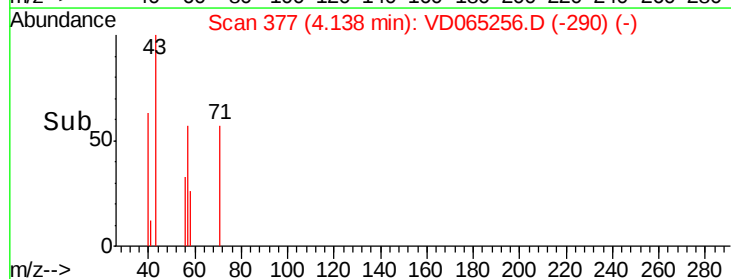
150

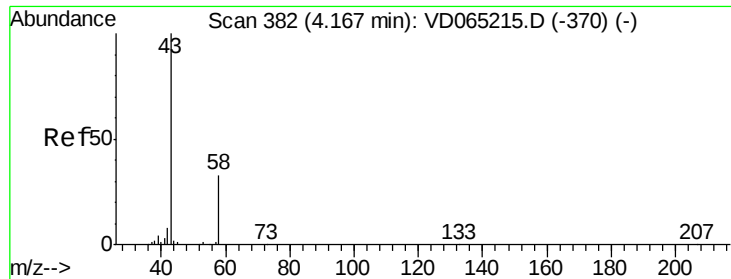
100

50

0

Time-->





#16

Acetone

Concen: 4.971 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065256.D

Acq: 20 Feb 2020 15:32

Instrument :

MSVOA_D

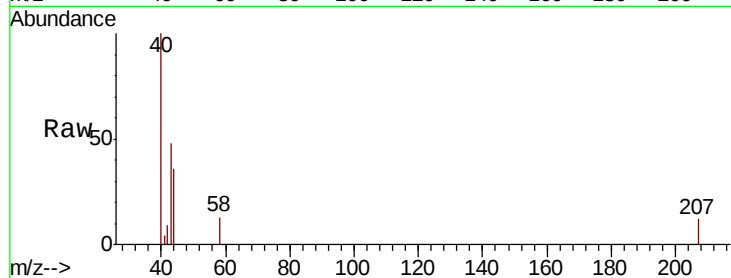
ClientSampleId :

Tot Ion: 43 Resp: 7141

Ion Ratio Lower Upper

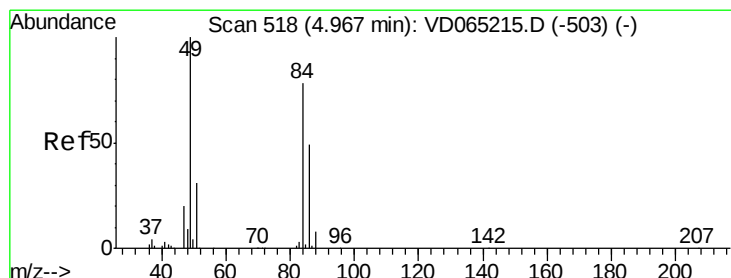
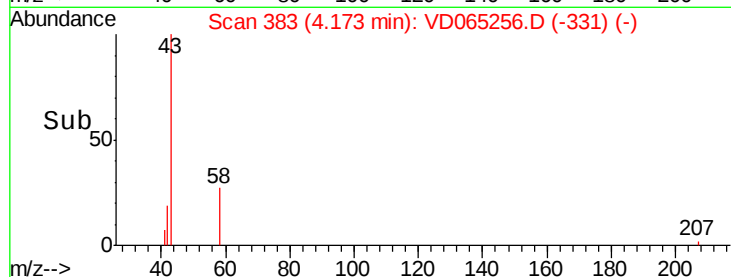
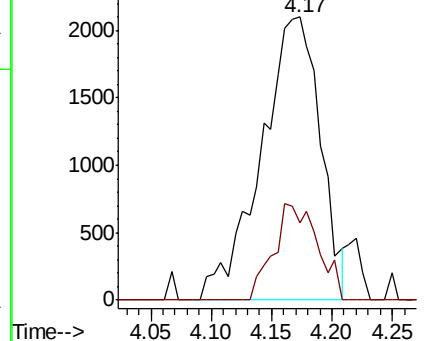
43 100

58 27.1 26.2 39.2



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. 0.00 min

Lab File: VD065256.D

Acq: 20 Feb 2020 15:32

Tgt Ion: 84 Resp: 19139

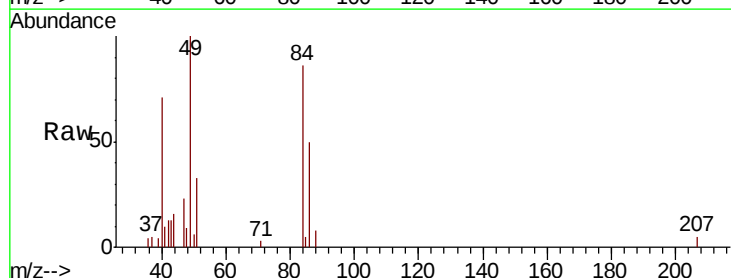
Ion Ratio Lower Upper

84 100

49 116.9 103.1 154.7

51 38.0 31.7 47.5

86 59.0 50.9 76.3

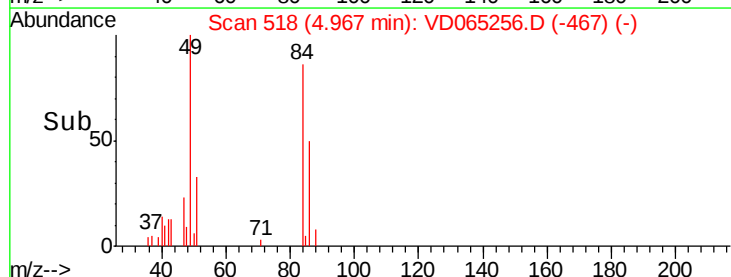
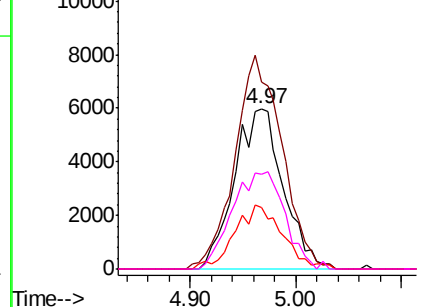


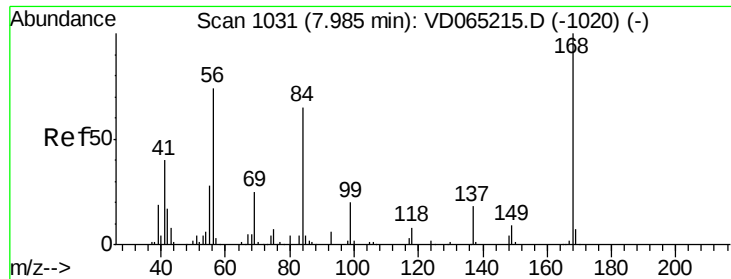
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

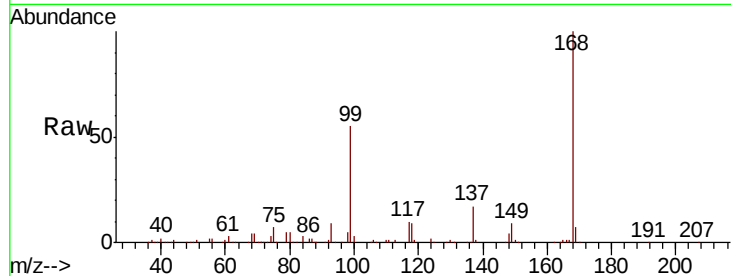




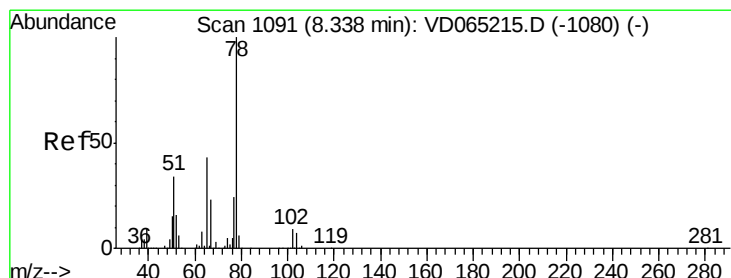
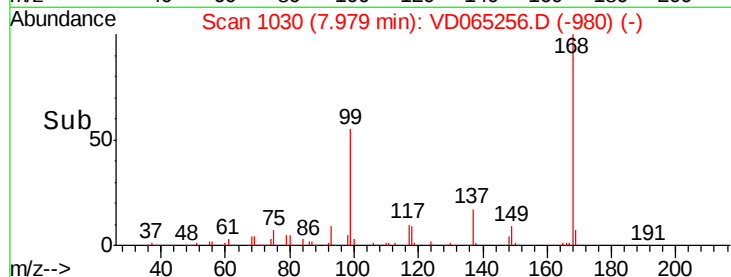
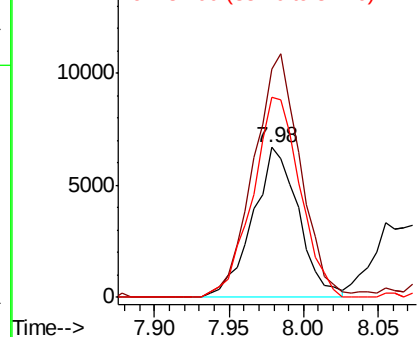
#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 14236
Ion Ratio Lower Upper
56 100
69 151.7 27.4 41.0#
84 133.1 71.1 106.7#

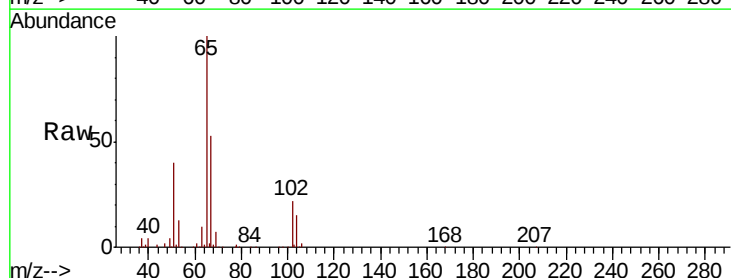


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

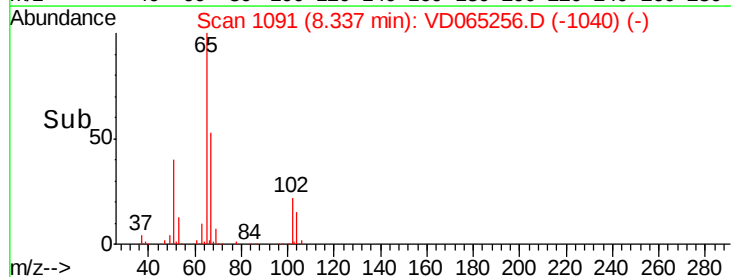
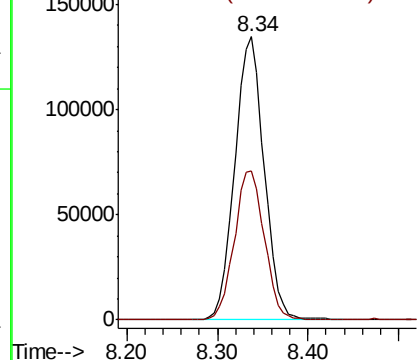


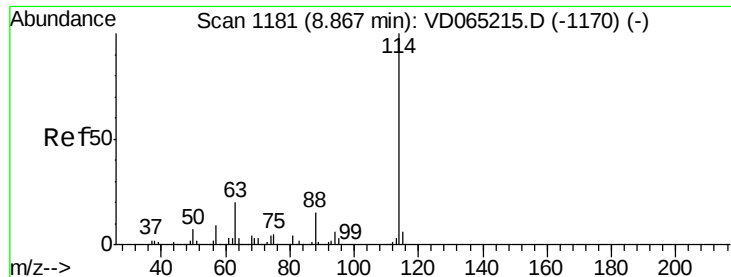
#33
1,2-Dichloroethane-d4
Concen: 51.700 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

Tgt Ion: 65 Resp: 303819
Ion Ratio Lower Upper
65 100
67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

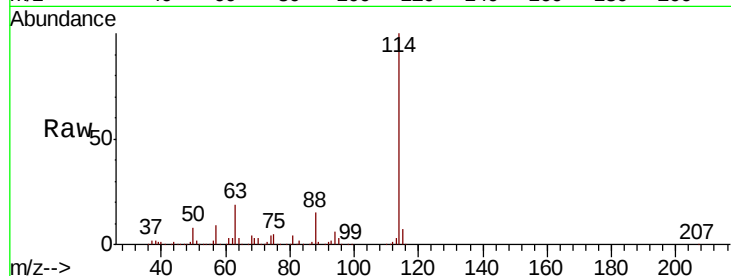




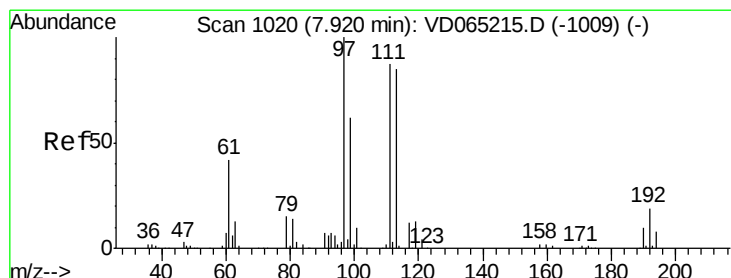
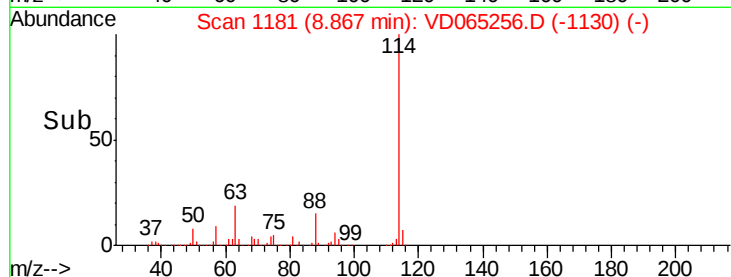
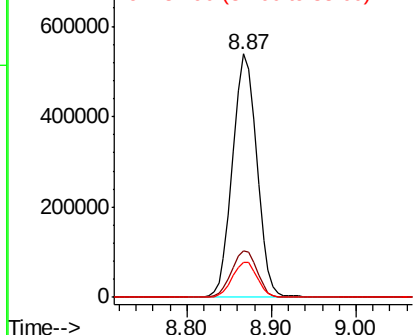
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065256.D
 Acq: 20 Feb 2020 15:32

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1070940
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.4
 88 14.6 0.0 30.4

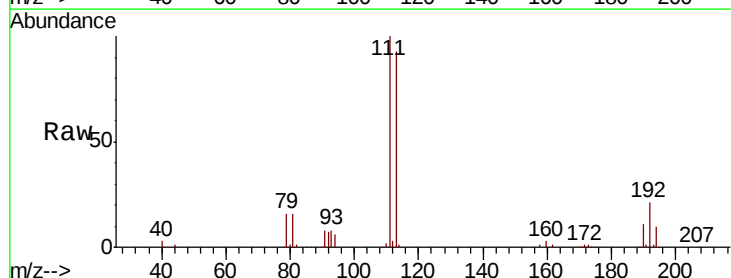


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

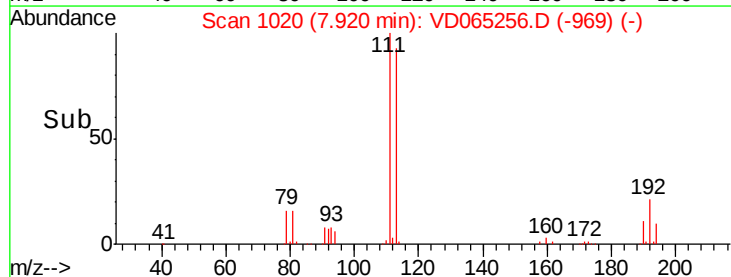
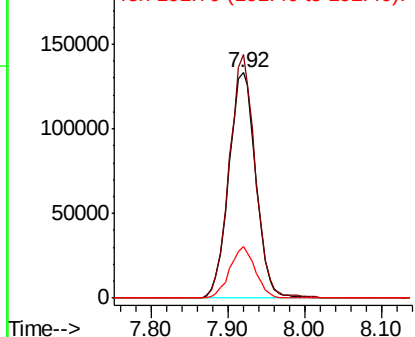


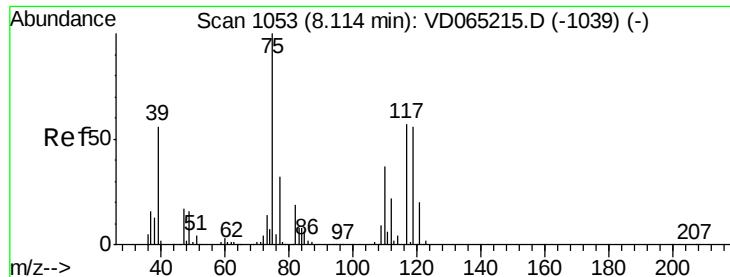
#35
 Dibromofluoromethane
 Concen: 50.028 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065256.D
 Acq: 20 Feb 2020 15:32

Tgt Ion:113 Resp: 326681
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.9 124.3
 192 21.6 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

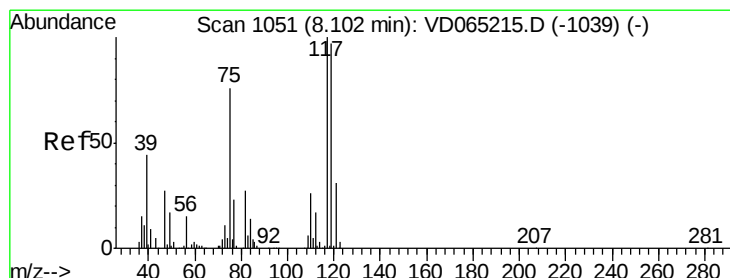
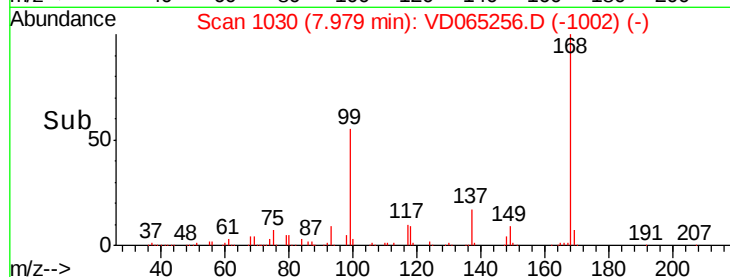
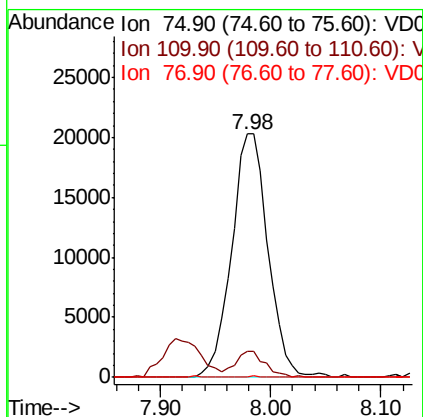
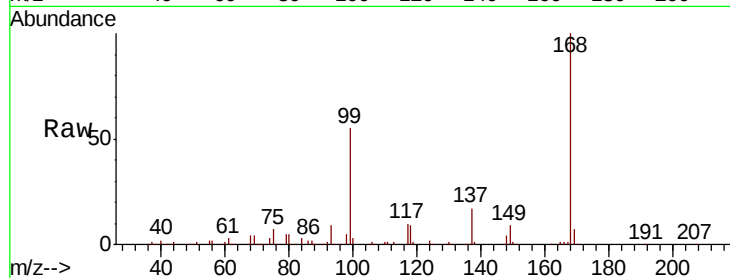




#36
 1,1-Dichloropropene
 Concen: 4.502 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065256.D
 Acq: 20 Feb 2020 15:32

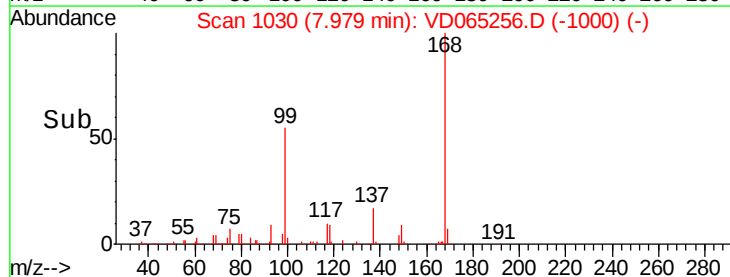
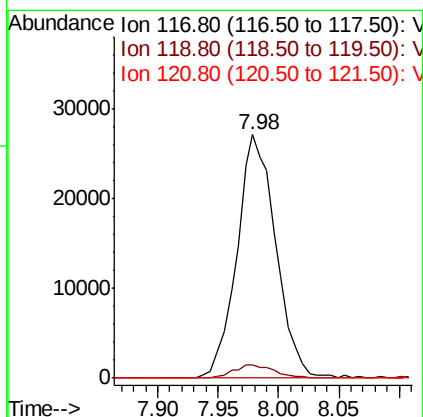
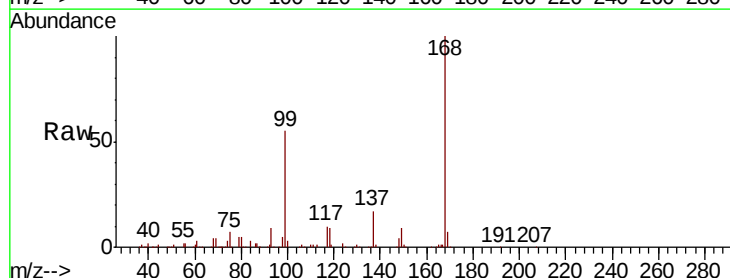
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.9	53.7#
77	0.1	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.711 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065256.D
 Acq: 20 Feb 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.6	116.4#
121	0.0	24.8	37.2#

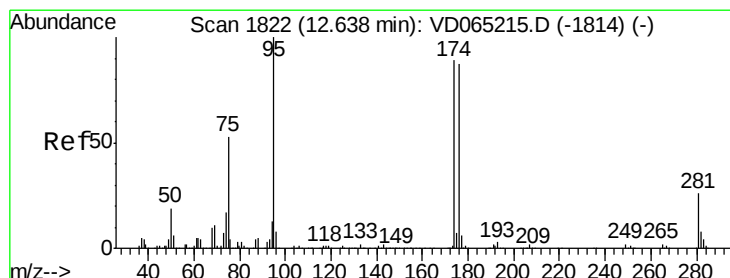
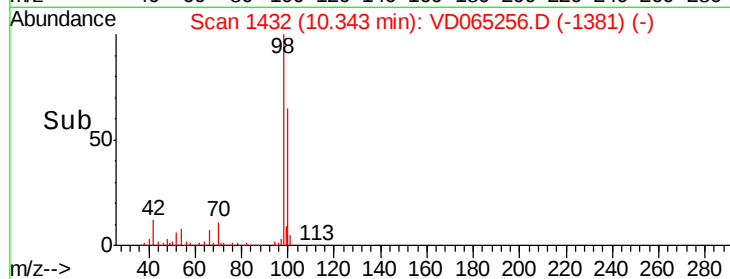
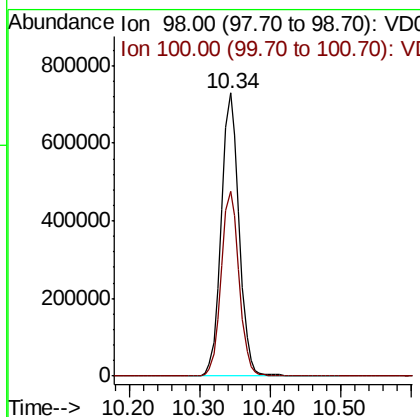
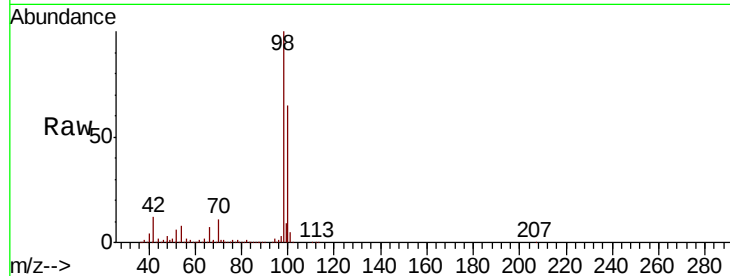




#50
Toluene-d8
Concen: 51.306 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

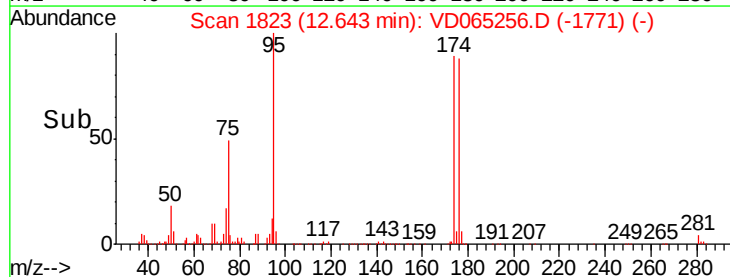
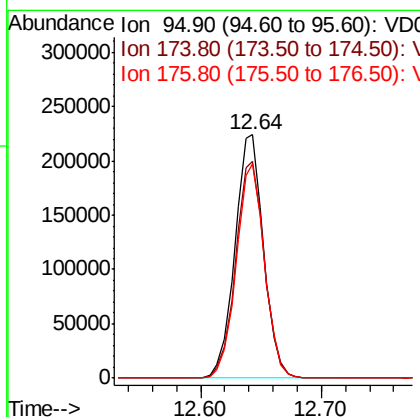
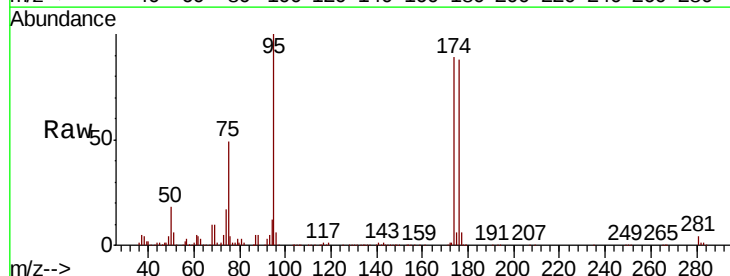
Instrument :
MSVOA_D
ClientSampleId :

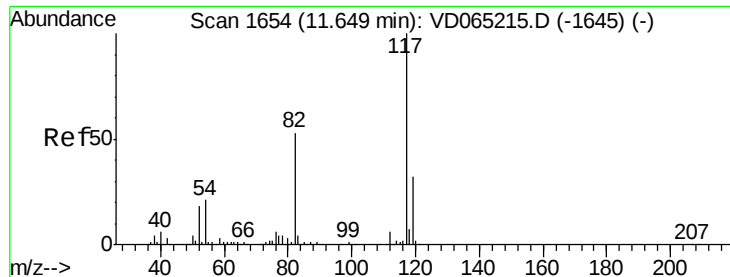
Tot Ion: 98 Resp: 1280765
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 46.683 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

Tgt Ion: 95 Resp: 369178
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.0
176 86.6 0.0 174.4

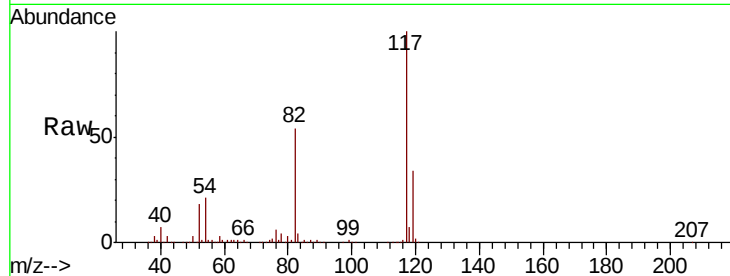




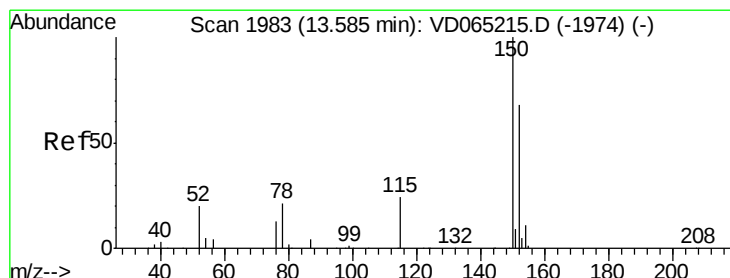
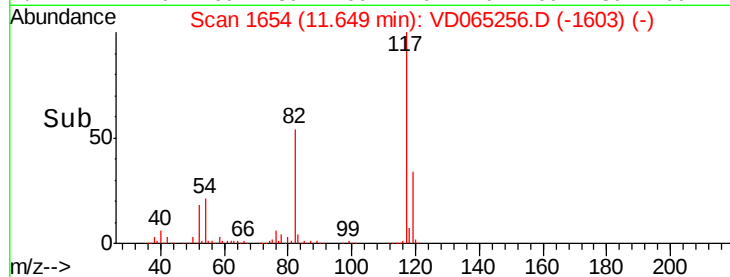
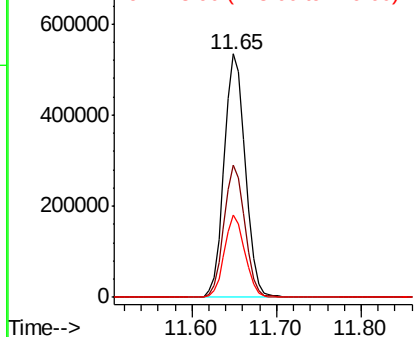
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 921576
Ion Ratio Lower Upper
117 100
82 54.2 42.7 64.1
119 33.8 25.5 38.3

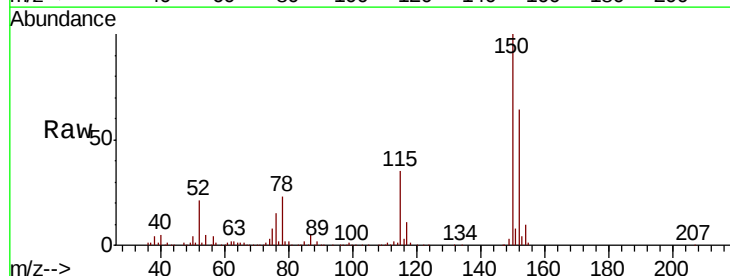


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

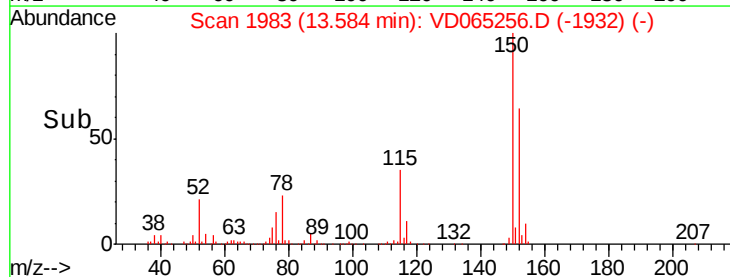
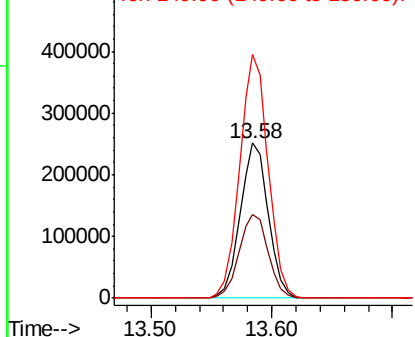


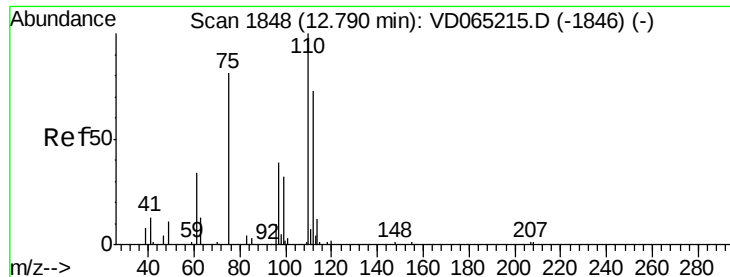
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065256.D
Acq: 20 Feb 2020 15:32

Tgt Ion:152 Resp: 404955
Ion Ratio Lower Upper
152 100
115 56.1 27.6 82.8
150 159.1 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: 53.445 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065256.D

Acq: 20 Feb 2020 15:32

Instrument :

MSVOA_D

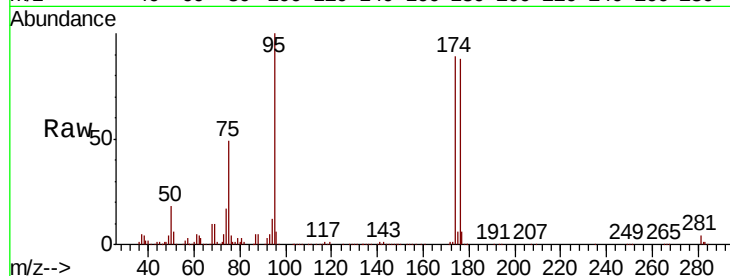
ClientSampleId :

Tot Ion: 75 Resp: 184142

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

100000

80000

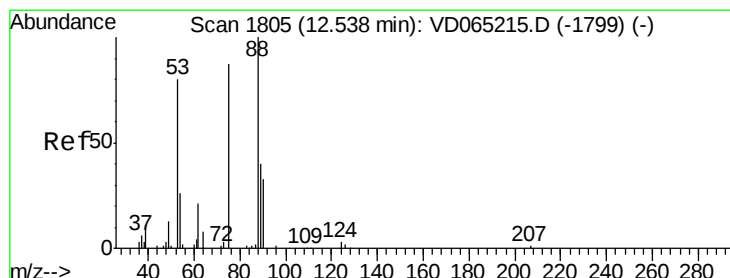
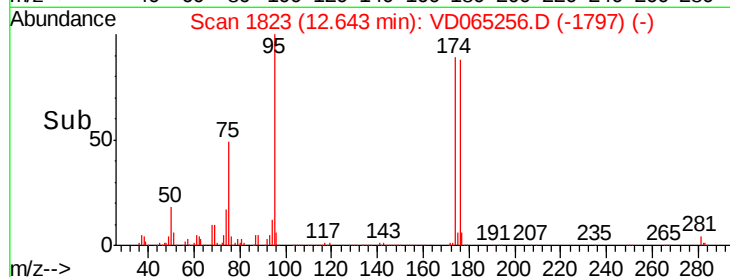
60000

40000

20000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 115.396 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065256.D

Acq: 20 Feb 2020 15:32

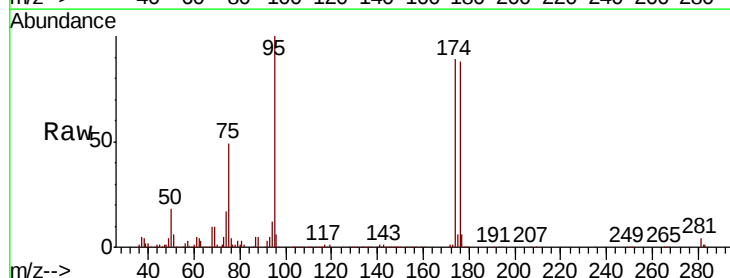
Tgt Ion: 75 Resp: 184142

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

150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70

