

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065257.D
 Acq On : 20 Feb 2020 16:01
 Operator : VA/SY
 Sample : L1604-02
 Misc : 7.23G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 21 04:04:05 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	637211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1036846	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	906624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	405507	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	294469	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	
35) Dibromofluoromethane	7.92	113	323092	51.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.22%	
50) Toluene-d8	10.34	98	1243943	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.64	95	365918	47.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.58%	

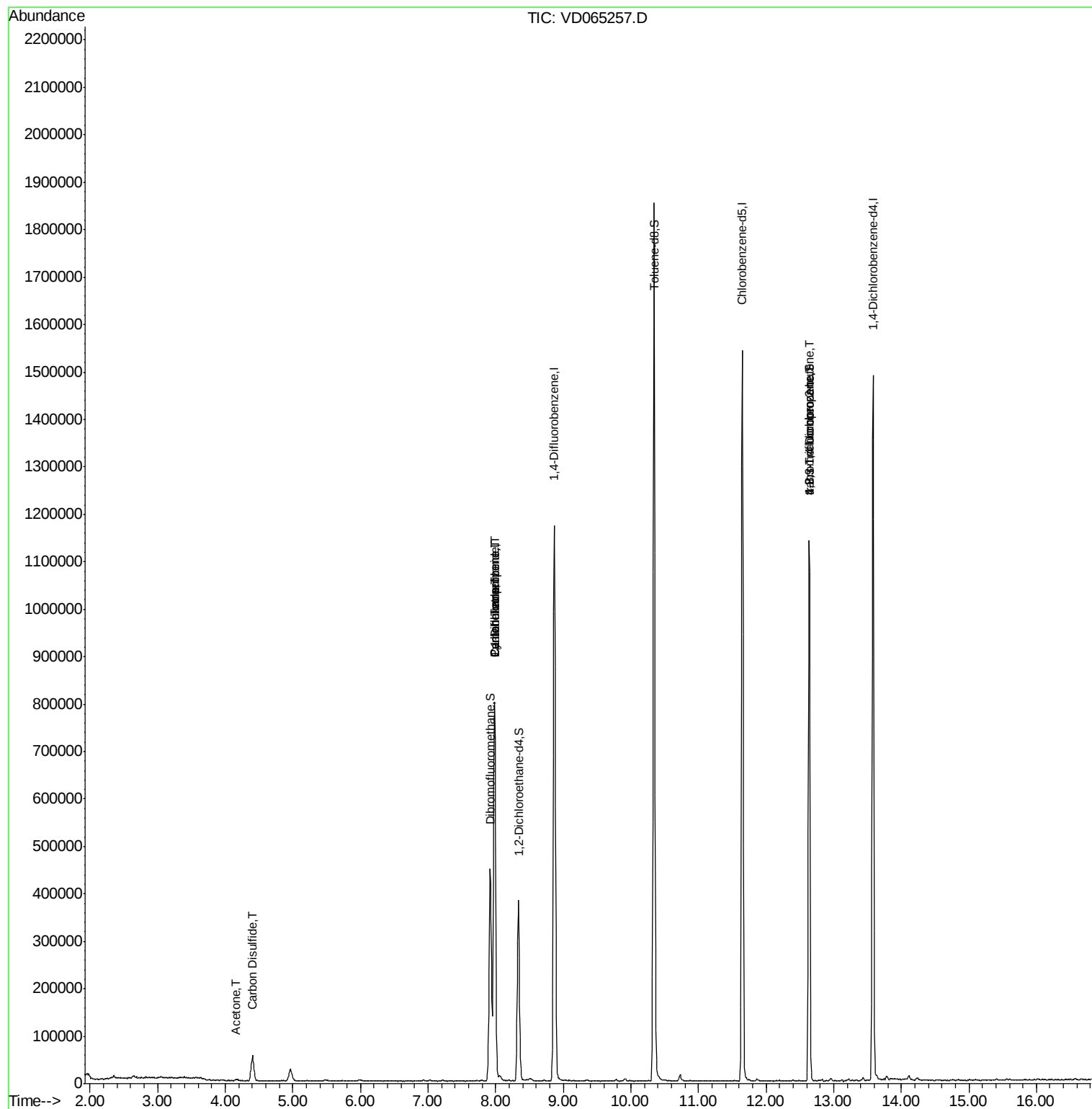
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.94	56	88	Below Cal	#	14
16) Acetone	4.17	43	5745	4.100	ug/l #	82
17) Carbon Disulfide	4.40	76	112766	5.693	ug/l	100
20) Methylene Chloride	4.96	84	18329	Below Cal	#	84
31) Cyclohexane	7.98	56	12797	1.135	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	46465	4.606	ug/l #	49
38) Carbon Tetrachloride	7.98	117	58087	5.656	ug/l #	17
76) 1,2,3-Trichloropropane	12.64	75	181158	52.507	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	181158	113.372	ug/l #	11

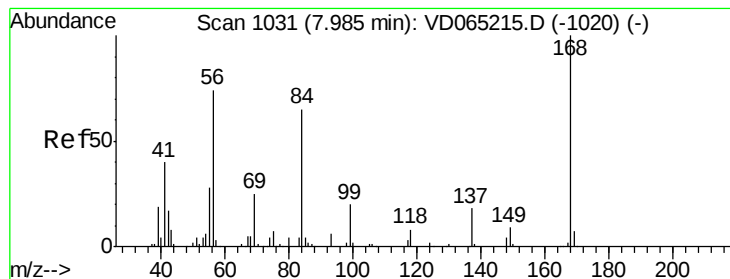
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
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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: VD065257.D

Acq: 20 Feb 2020 16:01

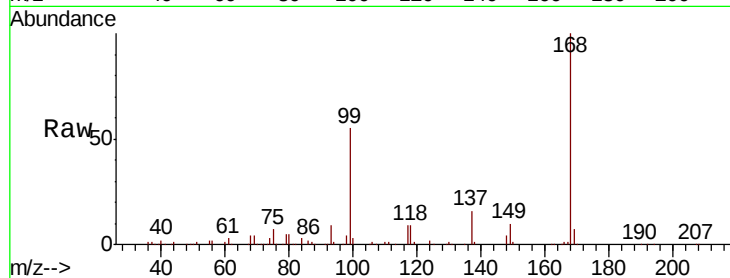
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 637211

Ion Ratio Lower Upper

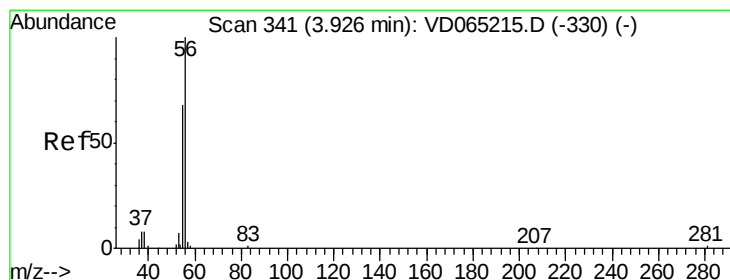
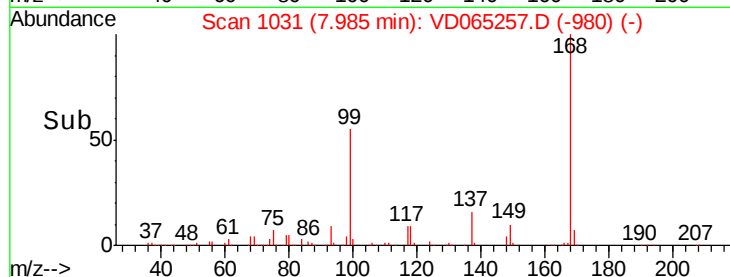
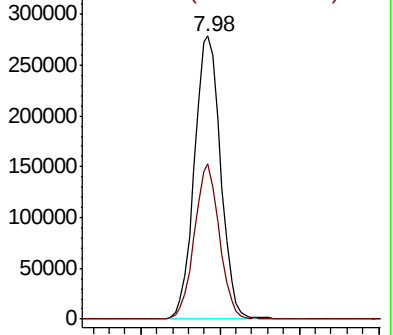
168 100

99 54.9 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# 343

Delta R.T. 0.01 min

Lab File: VD065257.D

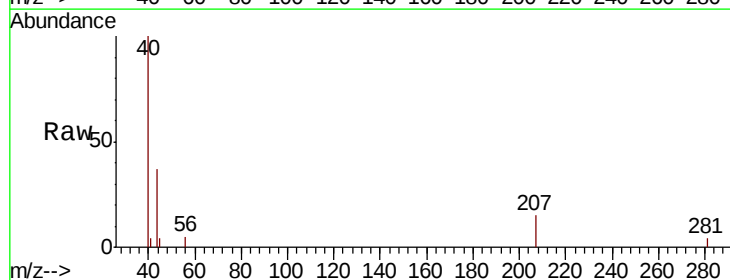
Acq: 20 Feb 2020 16:01

Tgt Ion: 56 Resp: 88

Ion Ratio Lower Upper

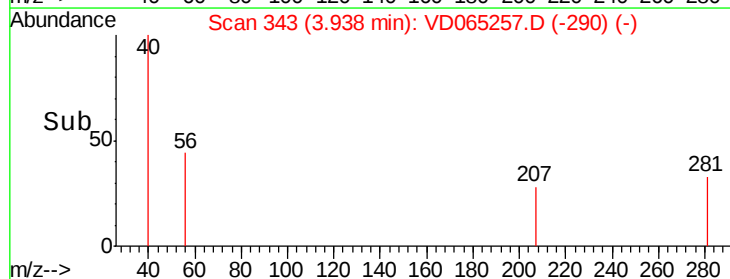
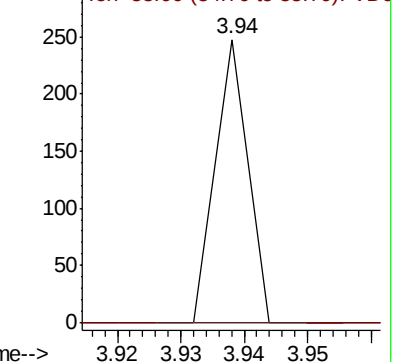
56 100

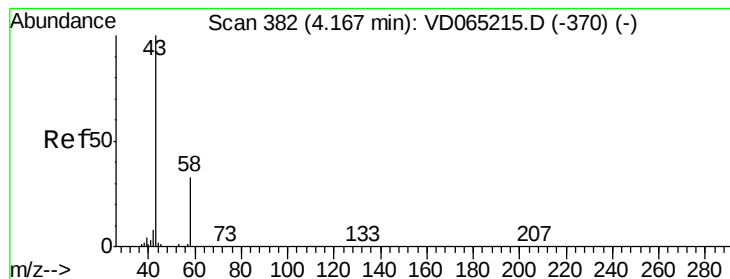
55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 4.100 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD065257.D

Acq: 20 Feb 2020 16:01

Instrument :

MSVOA_D

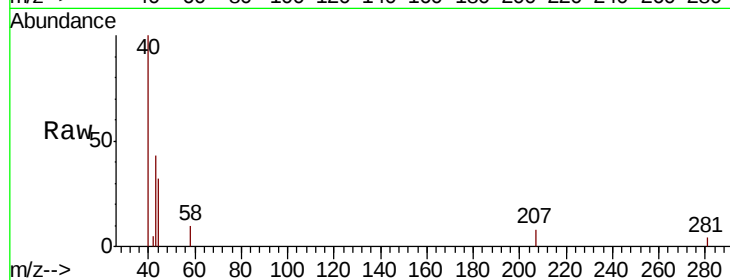
ClientSampleId :

Tot Ion: 43 Resp: 5745

Ion Ratio Lower Upper

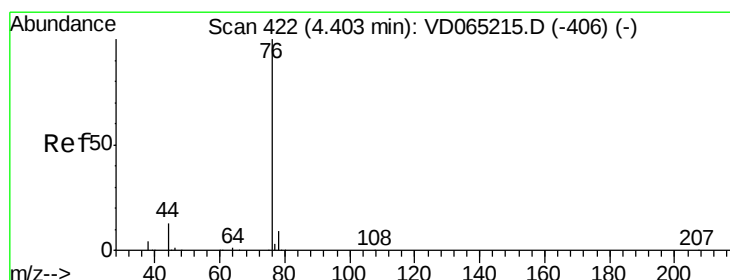
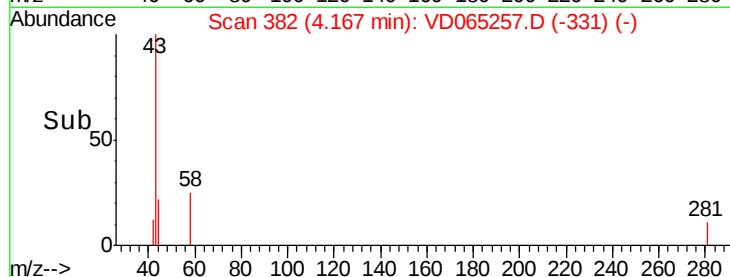
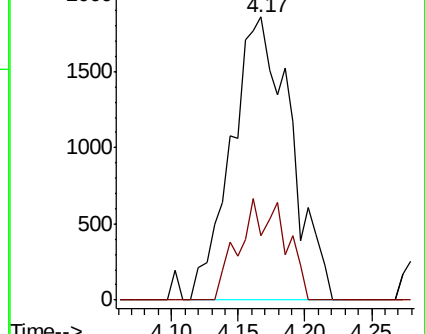
43 100

58 22.7 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#17

Carbon Disulfide

Concen: 5.693 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065257.D

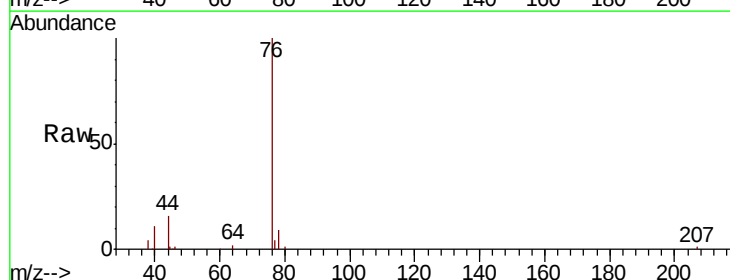
Acq: 20 Feb 2020 16:01

Tgt Ion: 76 Resp: 112766

Ion Ratio Lower Upper

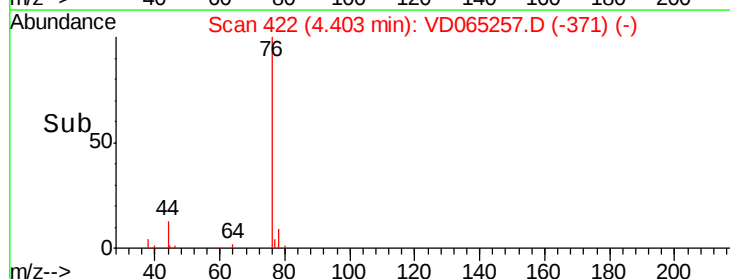
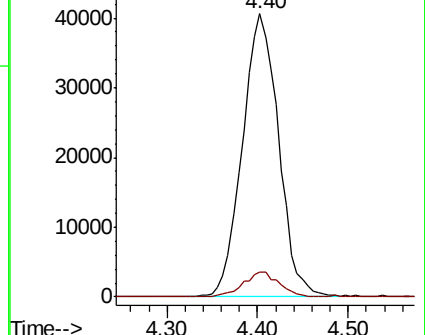
76 100

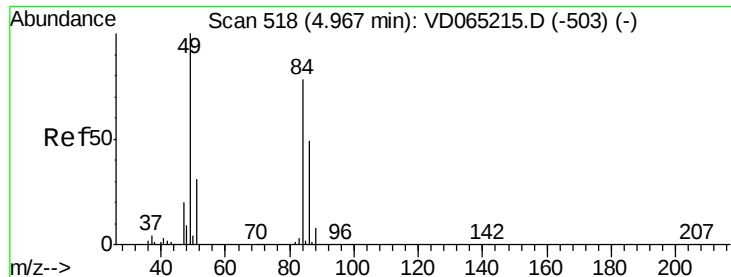
78 8.8 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

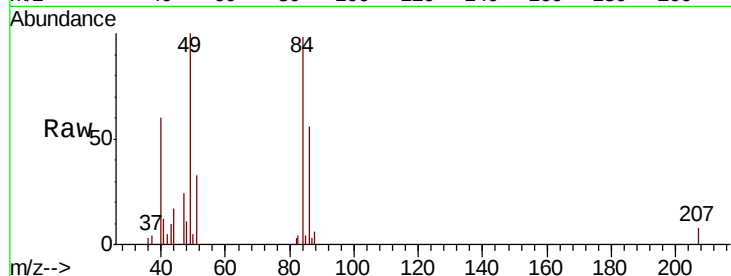




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	84	Resp	18329
Ion	Ratio	Lower	Upper
84	100		
49	102.3	103.1	154.7#
51	33.8	31.7	47.5
86	57.8	50.9	76.3



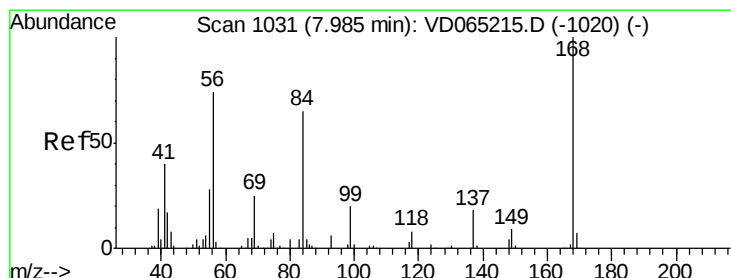
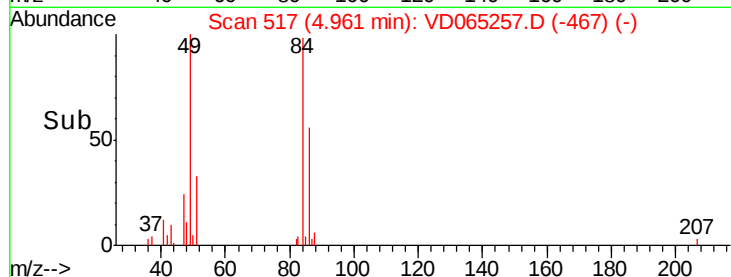
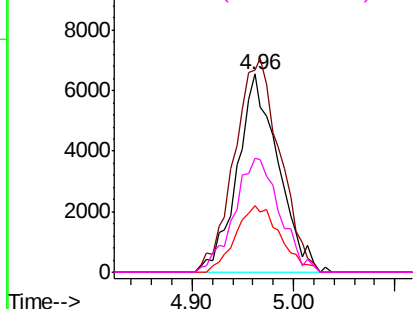
Abundance

Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

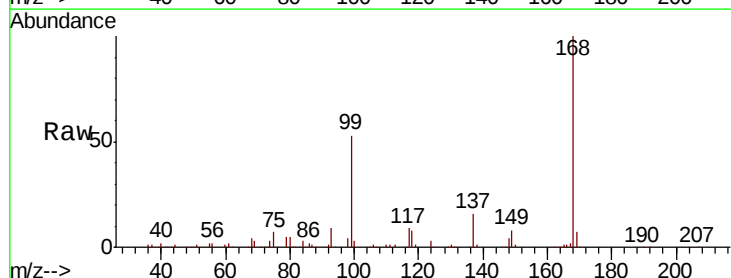
Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

Tgt Ion	56	Resp	12797
Ion	Ratio	Lower	Upper
56	100		
69	136.4	27.4	41.0#
84	144.8	71.1	106.7#

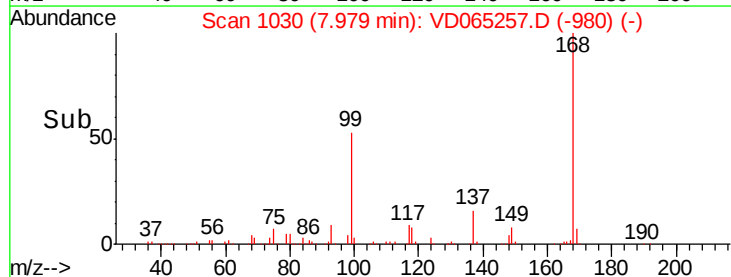
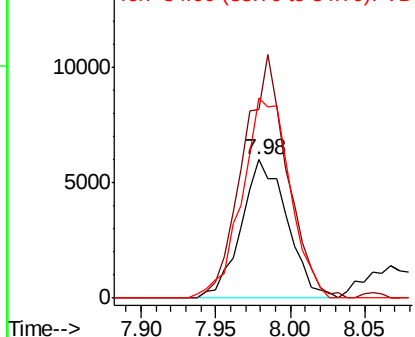


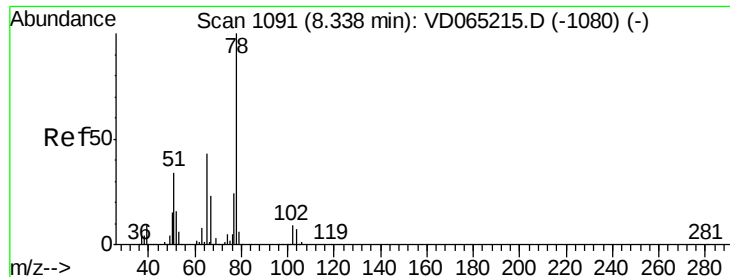
Abundance

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

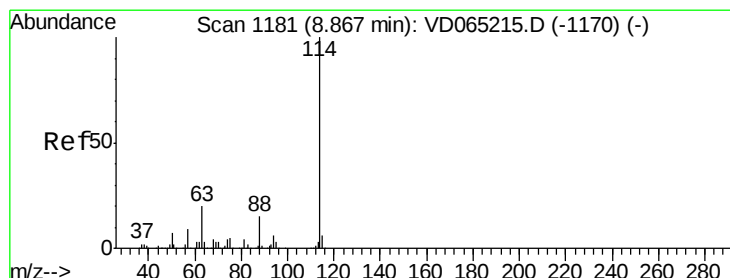
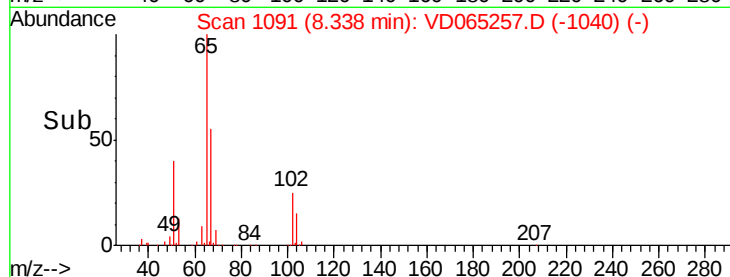
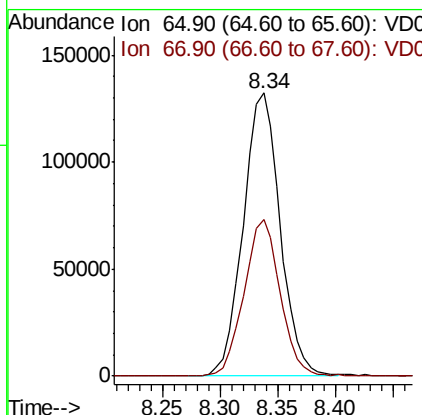
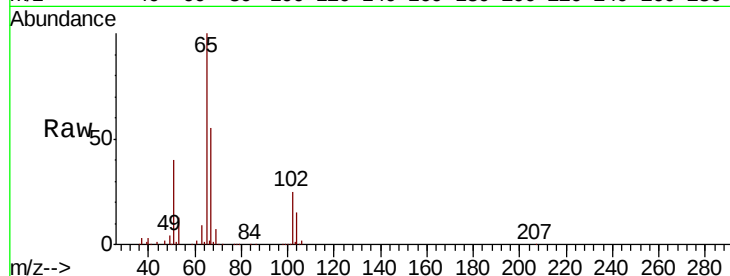




#33
 1,2-Dichloroethane-d4
 Concen: 51.369 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065257.D
 Acq: 20 Feb 2020 16:01

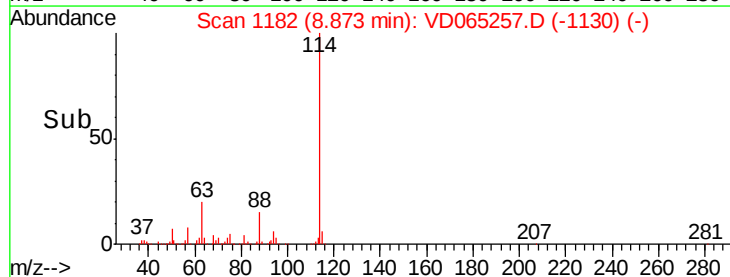
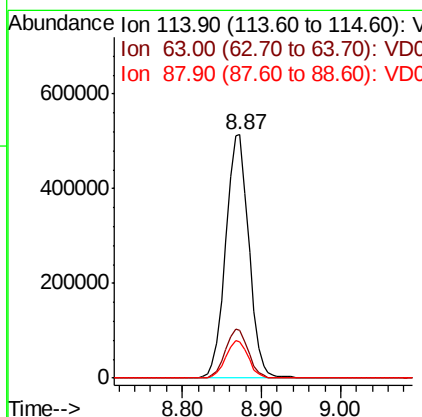
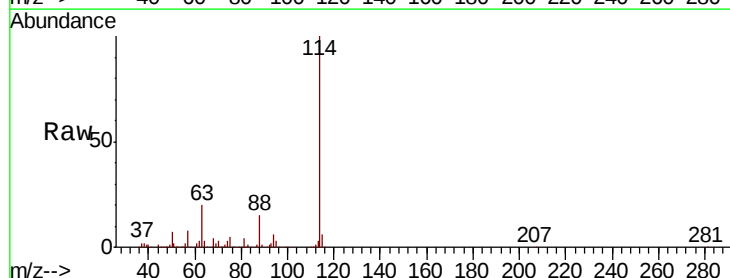
Instrument :
 MSVOA_D
 ClientSampleId :

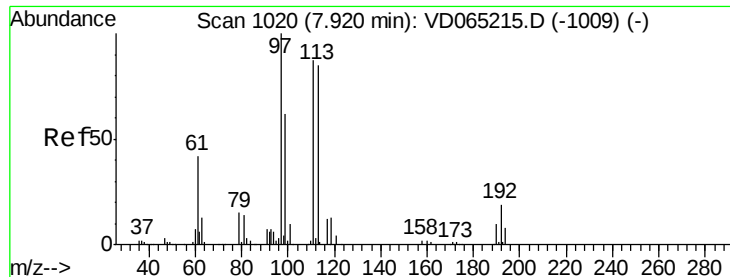
Tot Ion: 65 Resp: 294469
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065257.D
 Acq: 20 Feb 2020 16:01

Tgt Ion: 114 Resp: 1036846
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 14.7 0.0 30.4

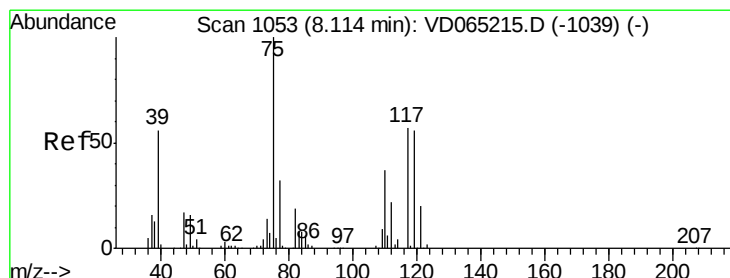
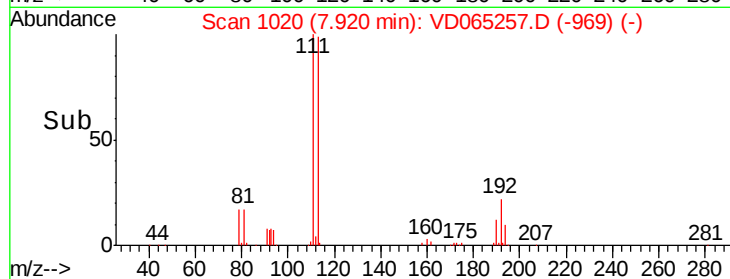
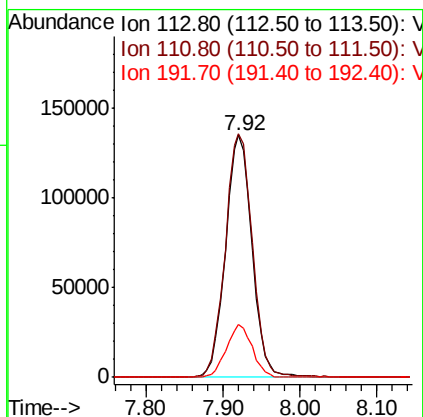
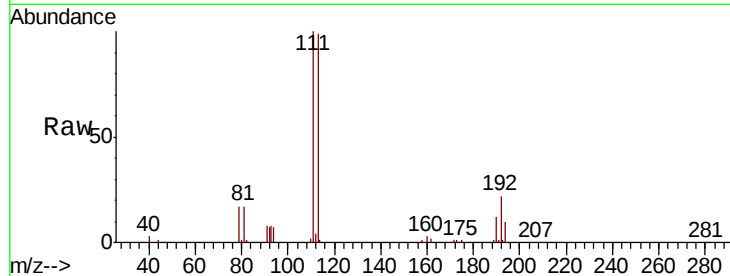




#35
 Dibromofluoromethane
 Concen: 51.105 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065257.D
 Acq: 20 Feb 2020 16:01

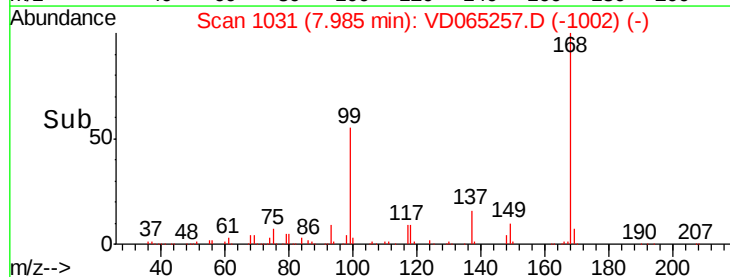
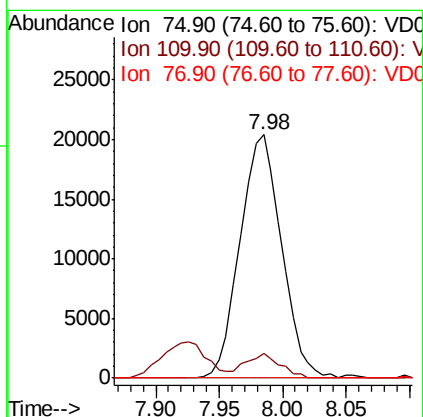
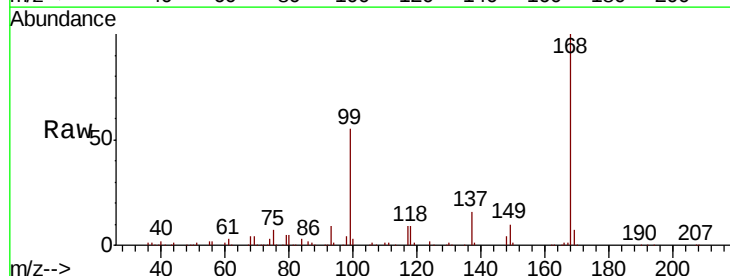
Instrument :
 MSVOA_D
 ClientSampleId :

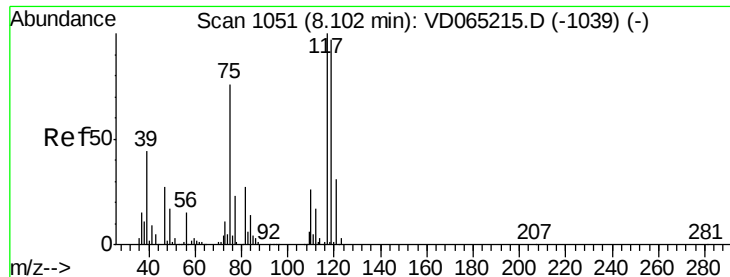
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.9	124.3
192	21.2	17.3	25.9



#36
 1,1-Dichloropropene
 Concen: 4.606 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065257.D
 Acq: 20 Feb 2020 16:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.9	53.7#
77	0.0	25.1	37.7#

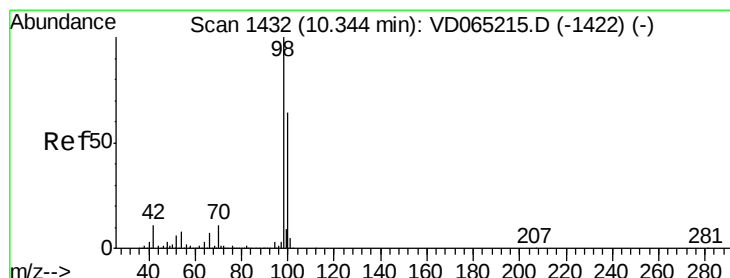
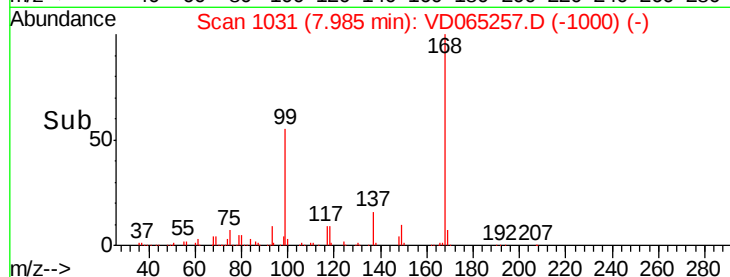
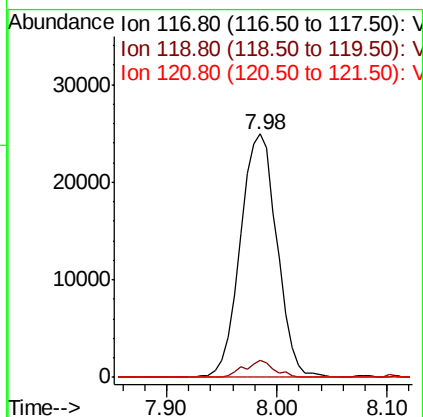
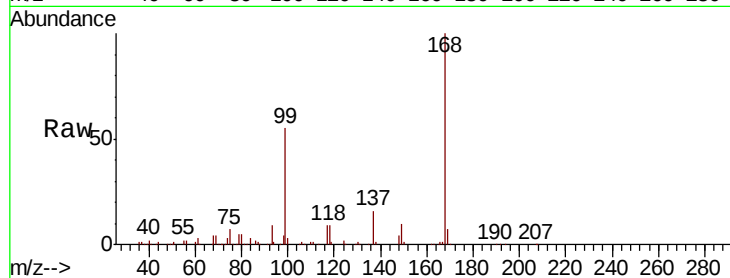




#38
Carbon Tetrachloride
Concen: 5.656 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.12 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

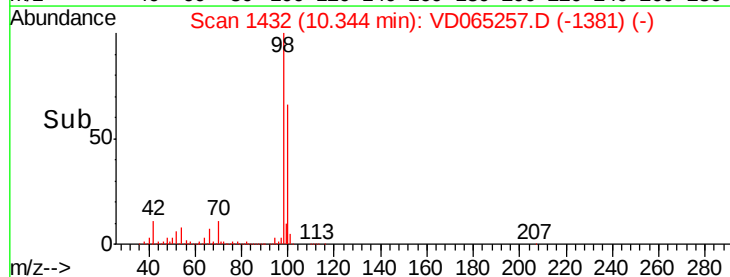
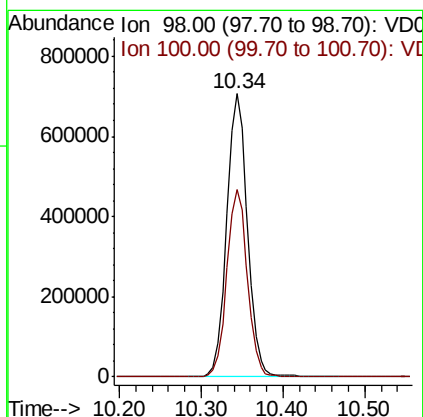
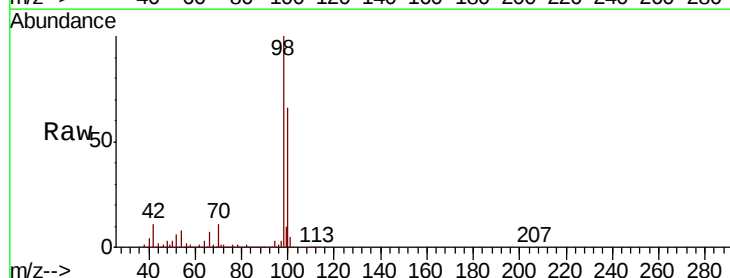
Instrument :
MSVOA_D
ClientSampleId :

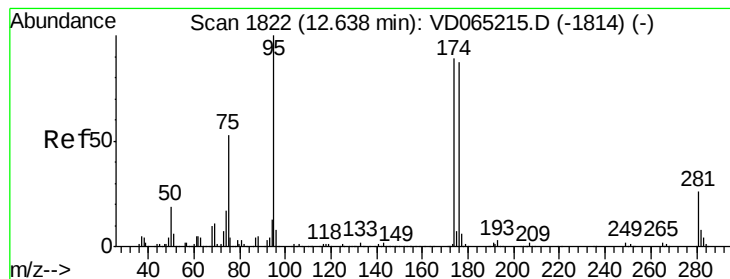
Tot Ion:117 Resp: 58087
Ion Ratio Lower Upper
117 100
119 6.8 77.6 116.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.469 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

Tgt Ion: 98 Resp: 1243943
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 47.792 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065257.D

Acq: 20 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

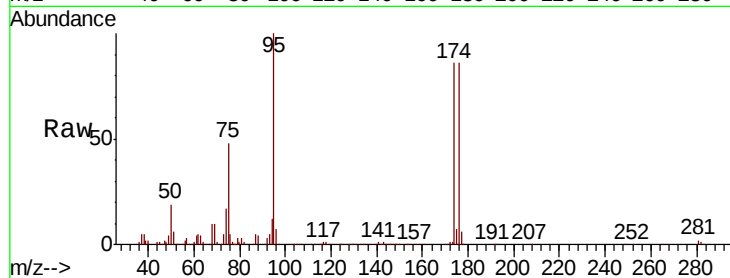
Tot Ion: 95 Resp: 365918

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.0

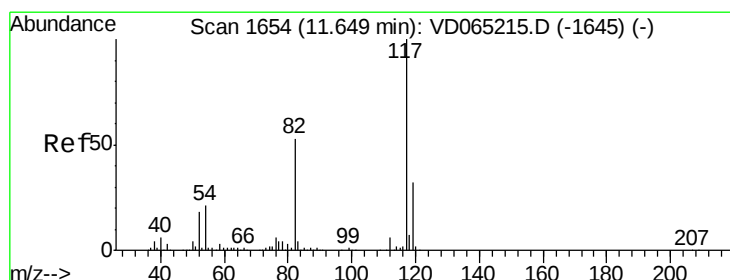
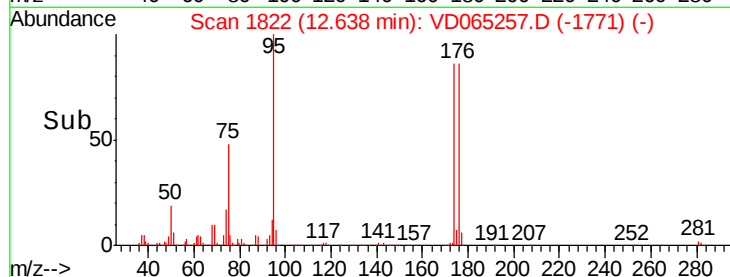
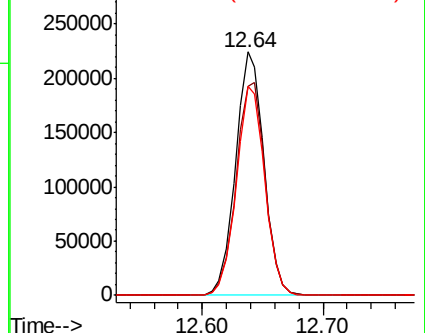
176 86.2 0.0 174.4



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD065257.D

Acq: 20 Feb 2020 16:01

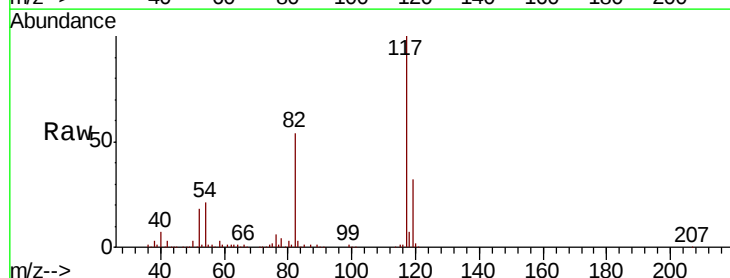
Tgt Ion: 117 Resp: 906624

Ion Ratio Lower Upper

117 100

82 54.3 42.7 64.1

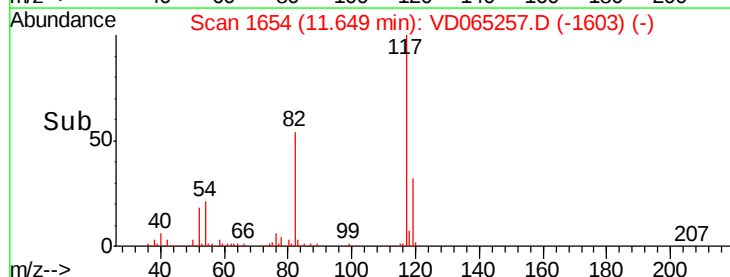
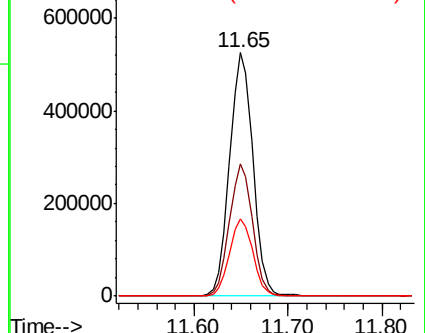
119 31.9 25.5 38.3

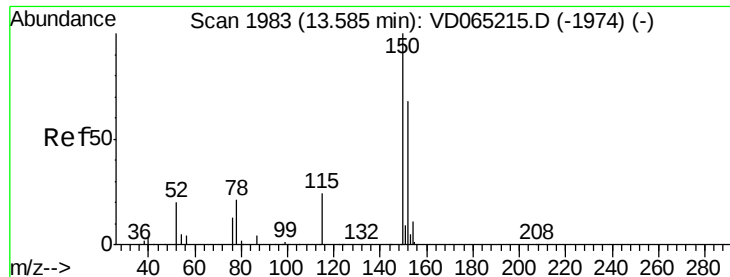


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



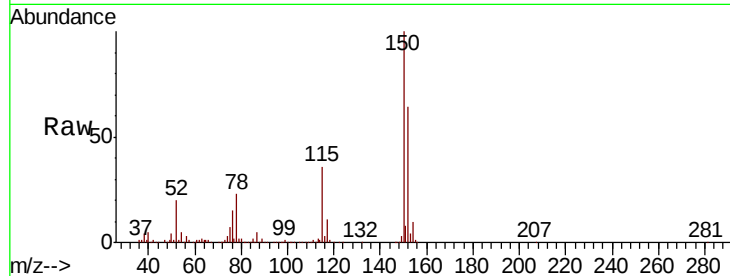


#72

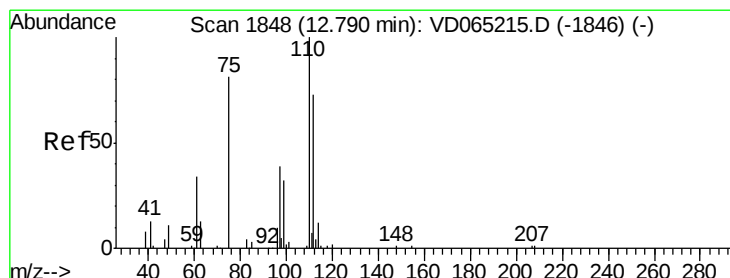
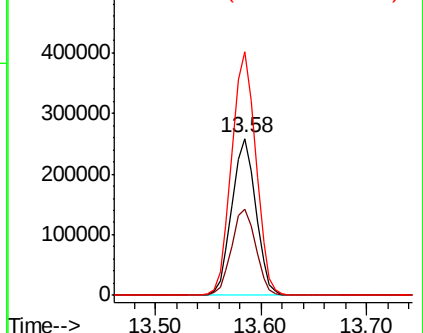
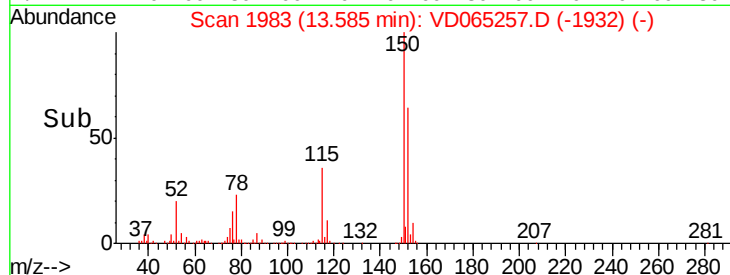
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 405507
Ion Ratio Lower Upper
152 100
115 55.6 27.6 82.8
150 156.9 0.0 347.4



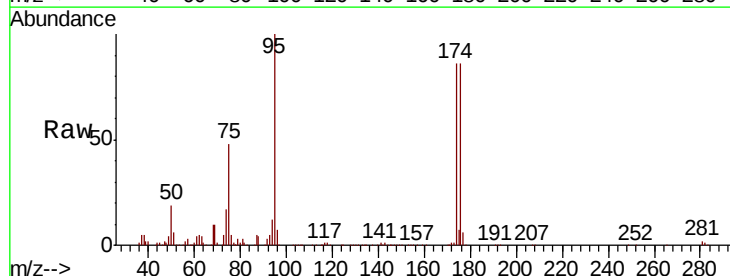
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



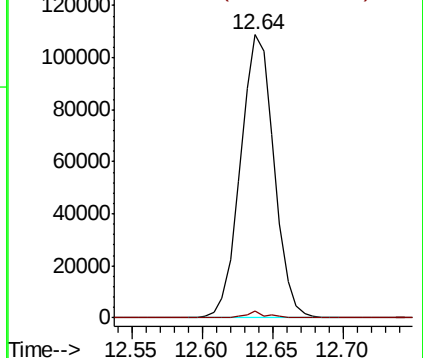
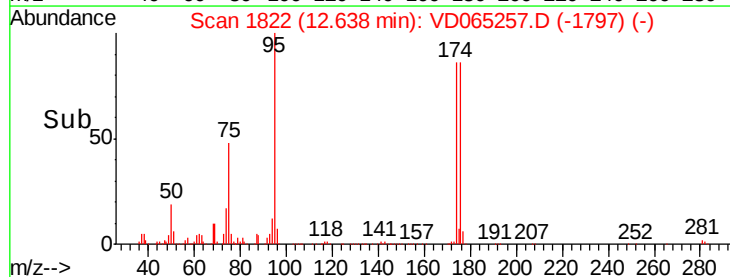
#76

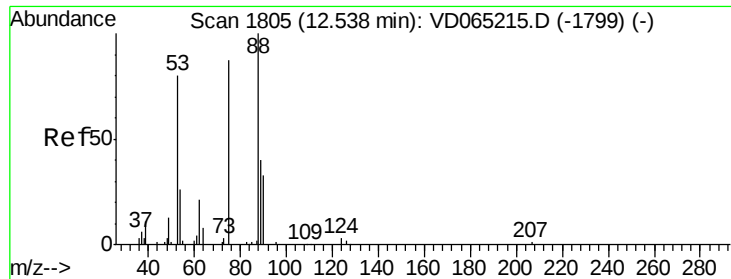
1,2,3-Trichloropropane
Concen: 52.507 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065257.D
Acq: 20 Feb 2020 16:01

Tgt Ion: 75 Resp: 181158
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





#81

trans-1,4-Dichloro-2-butene

Concen: 113.372 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065257.D

Acq: 20 Feb 2020 16:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 181158

Ion Ratio Lower Upper

75 100

53 0.2 77.6 116.4#

89 0.1 37.2 55.8#

