

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065345.D
 Acq On : 27 Feb 2020 15:26
 Operator : VA/SY
 Sample : L1718-10
 Misc : 6.38G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 28 00:35:52 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	525488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	879869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	793991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	359158	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	274904	58.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.30%	
35) Dibromofluoromethane	7.92	113	284502	53.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.06%	
50) Toluene-d8	10.34	98	1061585	51.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.64	95	321565	49.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.98%	

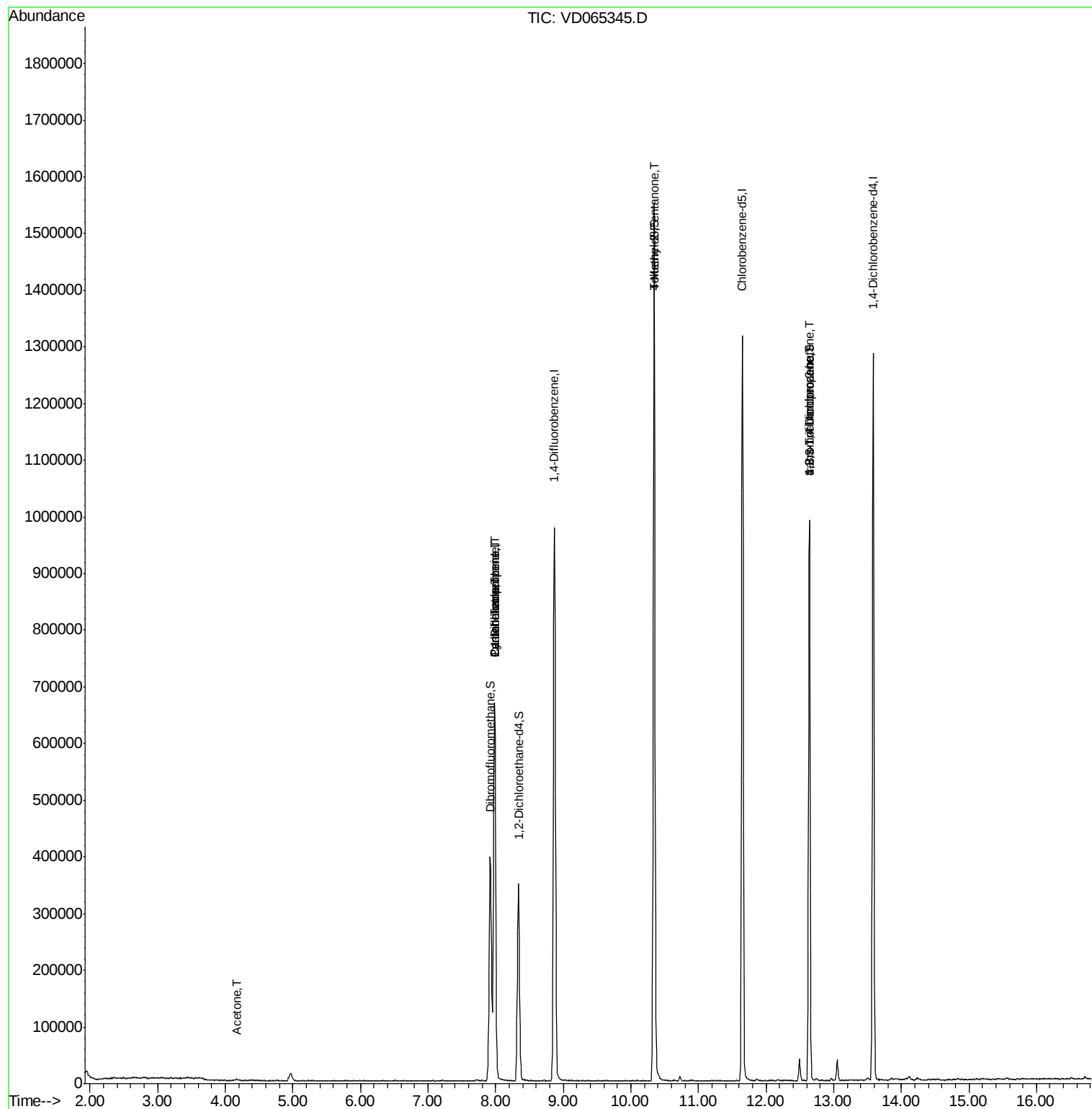
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.64	56	72	Below Cal	#	51
16) Acetone	4.17	43	4191	3.627	ug/l	97
20) Methylene Chloride	4.97	84	10298	Below Cal	#	83
31) Cyclohexane	7.98	56	9497	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	39529	4.617	ug/l #	48
38) Carbon Tetrachloride	7.98	117	50503	5.795	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	4121	1.247	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	159428	52.172	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	159428	112.648	ug/l #	11

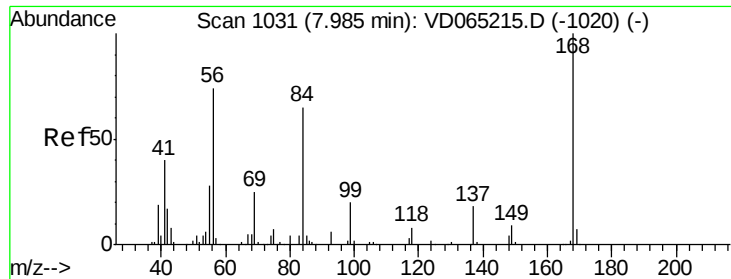
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065345.D

Acq: 27 Feb 2020 15:26

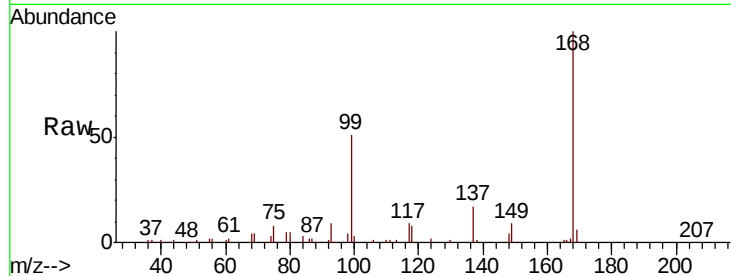
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 525488

Ion Ratio Lower Upper

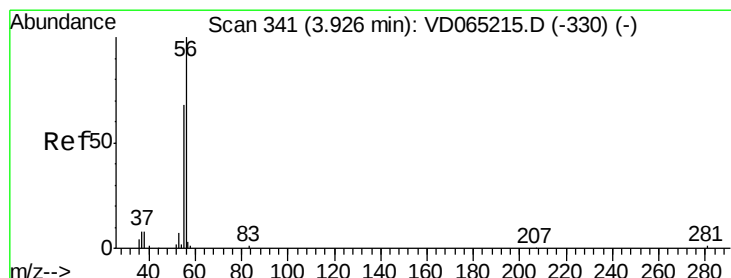
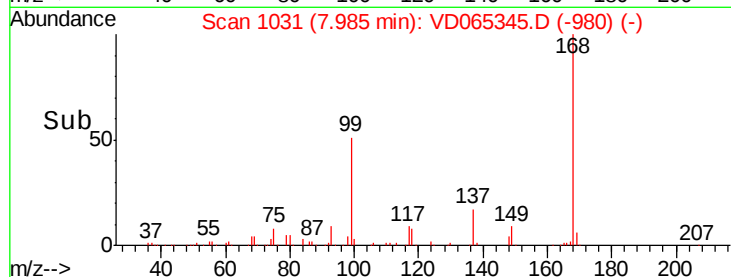
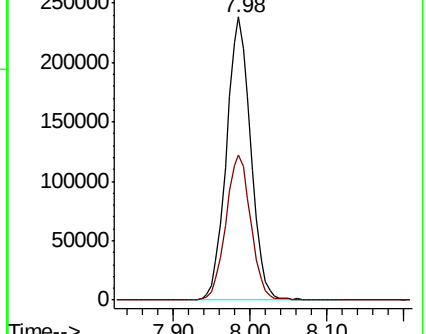
168 100

99 51.5 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: 3.64 min Scan# 293

Delta R.T. -0.28 min

Lab File: VD065345.D

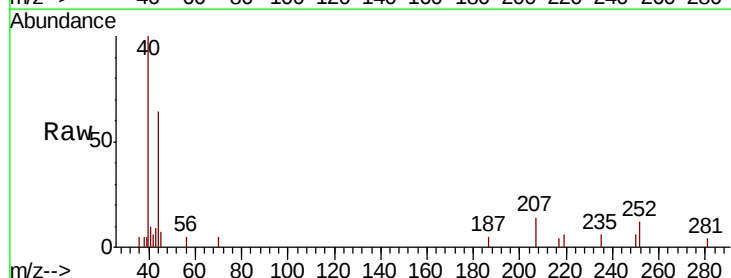
Acq: 27 Feb 2020 15:26

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

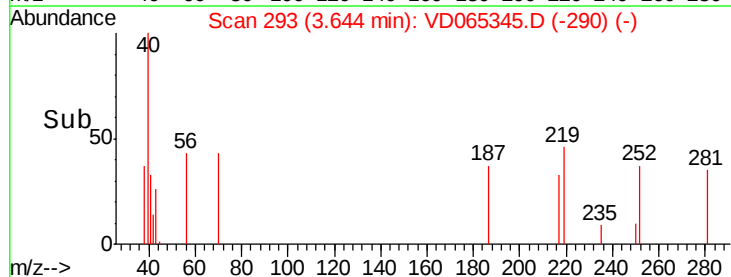
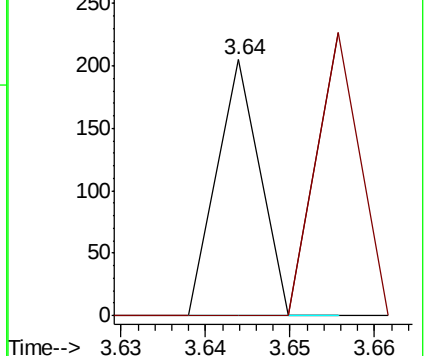
56 100

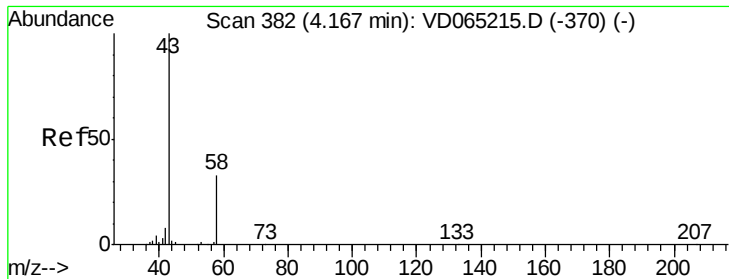
55 111.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 3.627 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065345.D

Acq: 27 Feb 2020 15:26

Instrument :

MSVOA_D

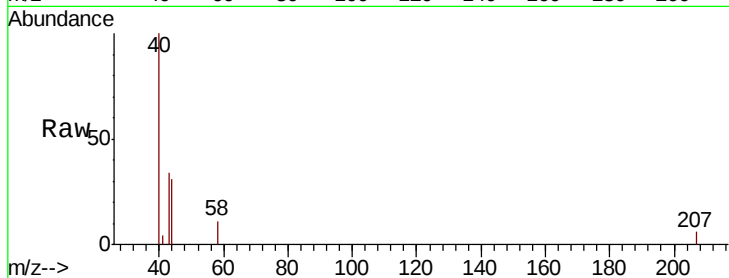
ClientSampleId :

Tot Ion: 43 Resp: 4191

Ion Ratio Lower Upper

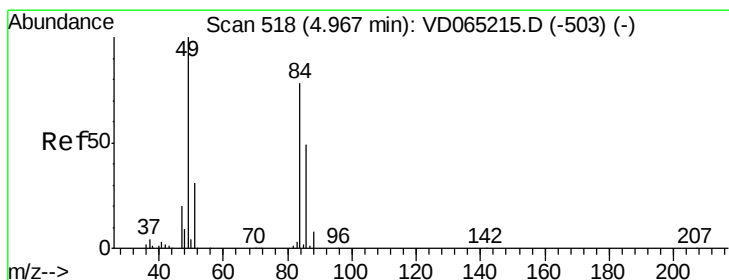
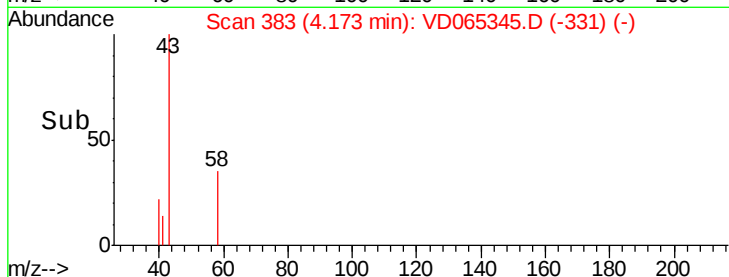
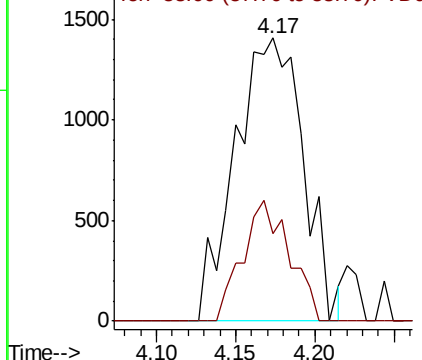
43 100

58 31.1 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: VD065345.D

Acq: 27 Feb 2020 15:26

Tgt Ion: 84 Resp: 10298

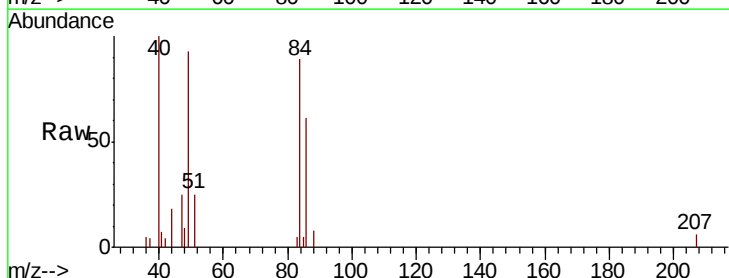
Ion Ratio Lower Upper

84 100

49 104.5 103.1 154.7

51 28.4 31.7 47.5#

86 68.8 50.9 76.3

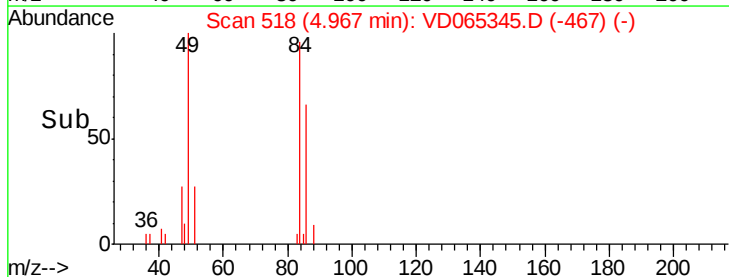
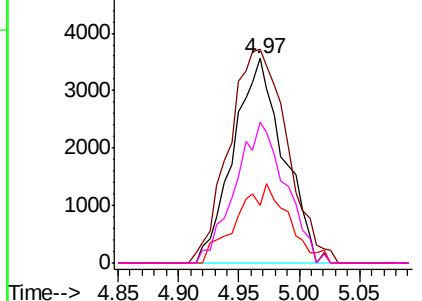


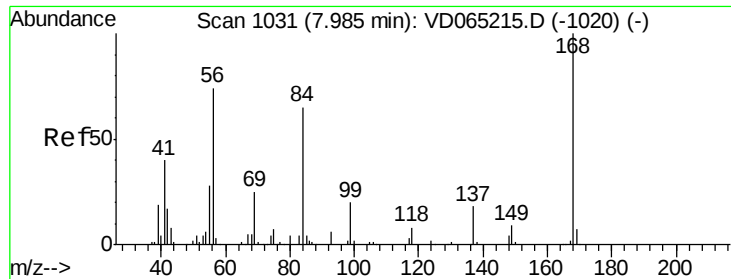
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

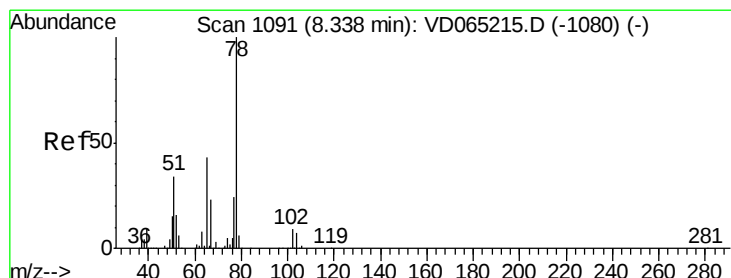
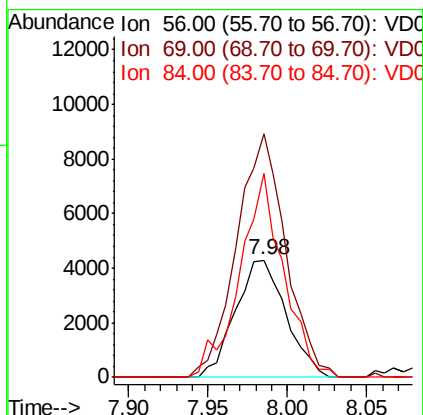
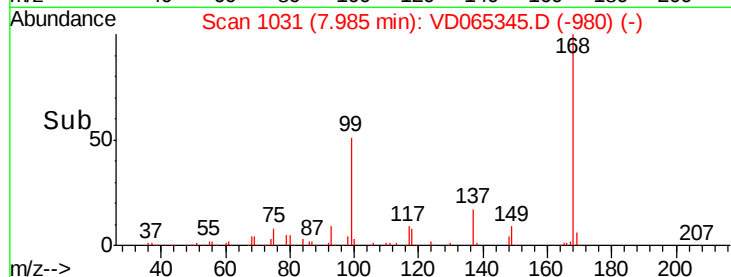
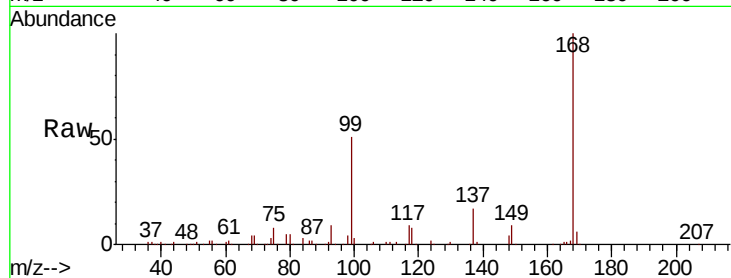




#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

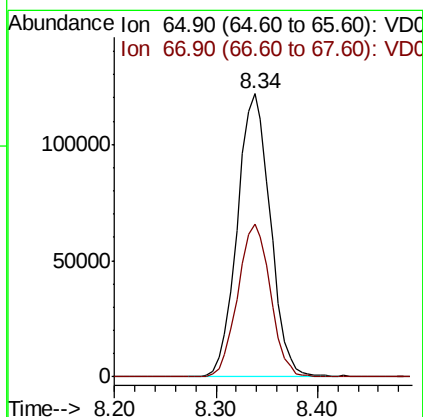
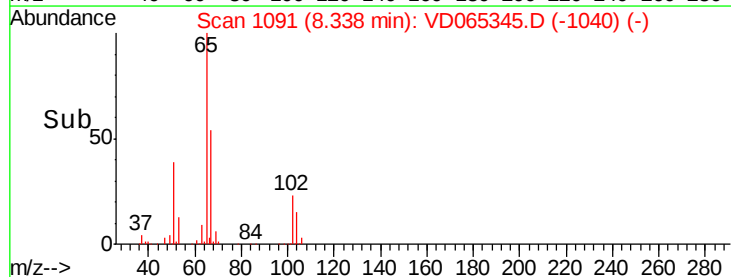
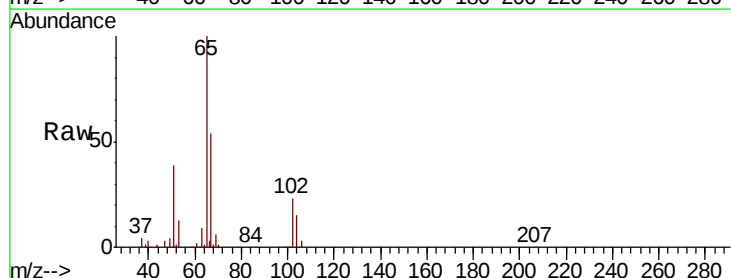
Instrument :
MSVOA_D
ClientSampleId :

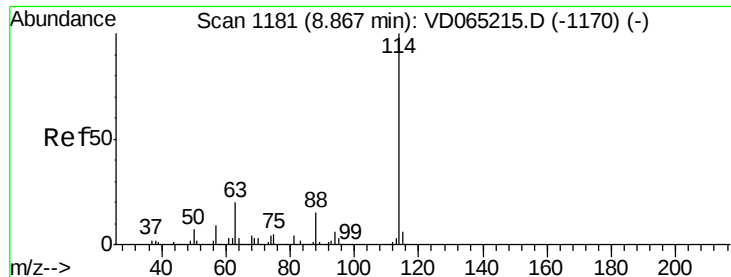
Tot Ion: 56 Resp: 9497
Ion Ratio Lower Upper
56 100
69 208.0 27.4 41.0#
84 174.1 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 58.152 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

Tgt Ion: 65 Resp: 274904
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

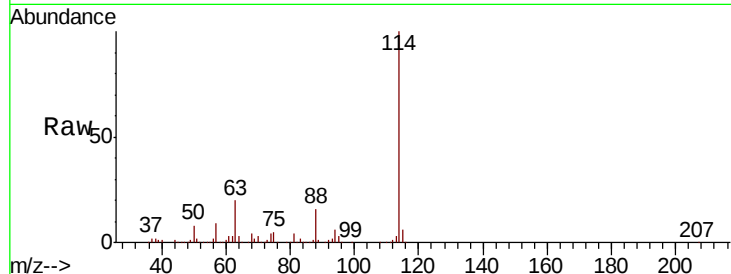




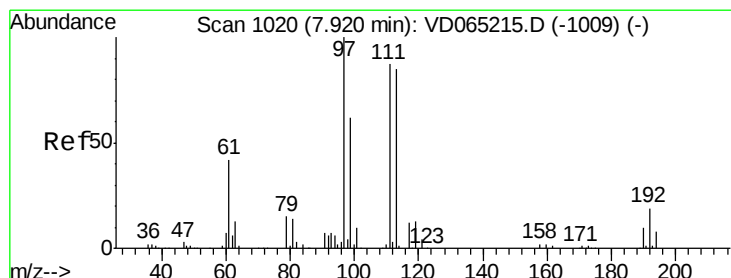
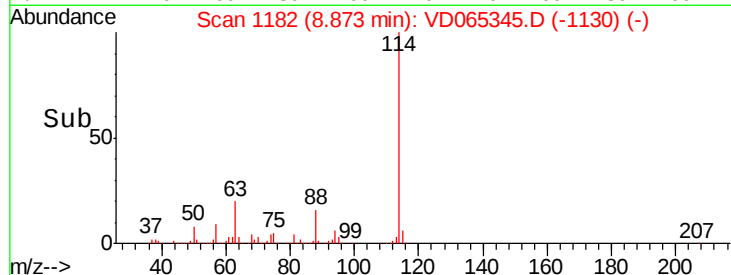
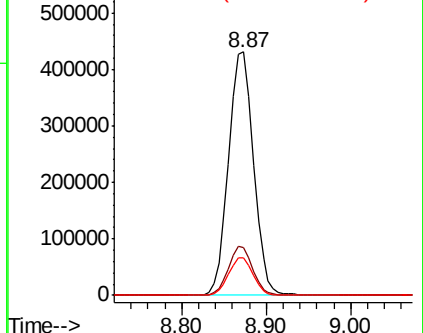
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065345.D
 Acq: 27 Feb 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	15.5	0.0	30.4

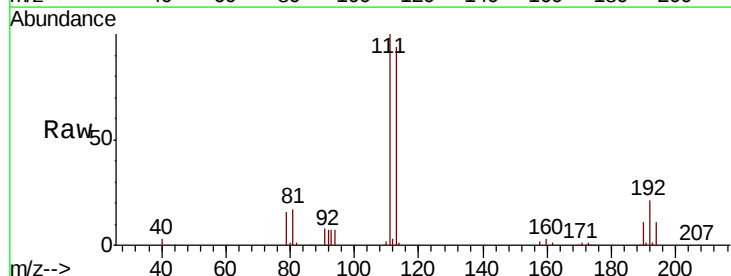


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

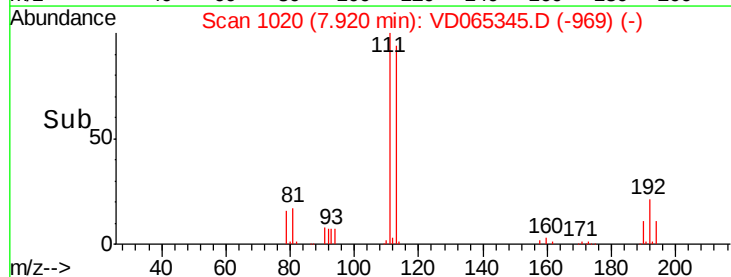
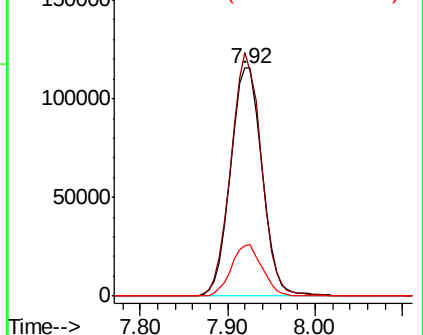


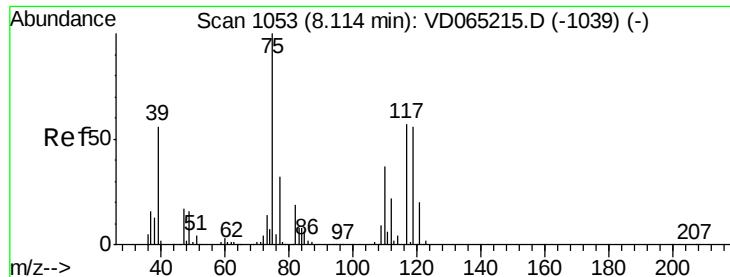
#35
 Dibromofluoromethane
 Concen: 53.030 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065345.D
 Acq: 27 Feb 2020 15:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.9	124.3
192	21.8	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

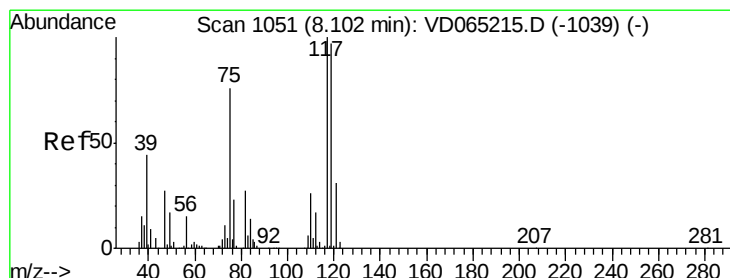
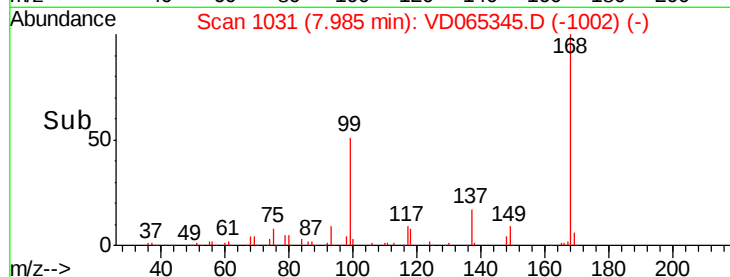
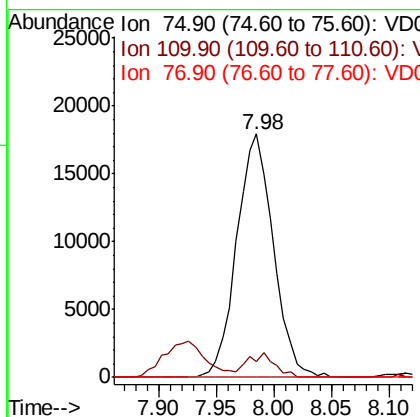
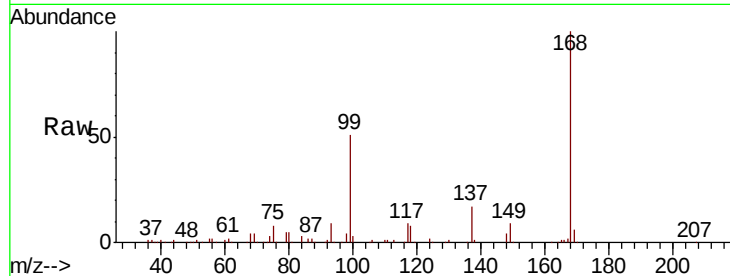




#36
 1,1-Dichloropropene
 Concen: 4.617 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065345.D
 Acq: 27 Feb 2020 15:26

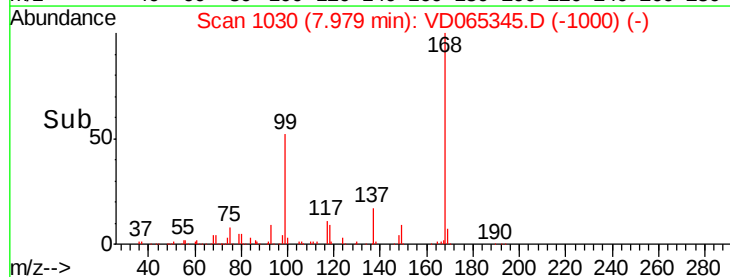
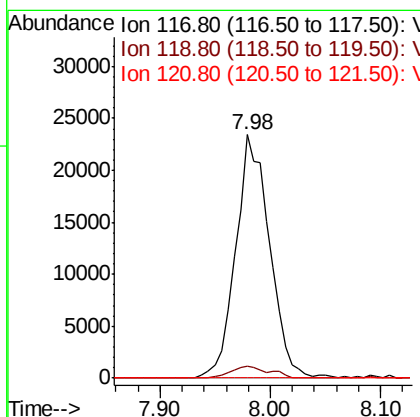
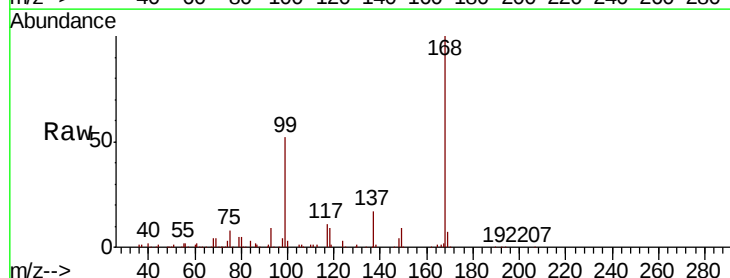
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	75	Resp	39529
Ion Ratio	Lower	Upper	
75	100		
110	7.4	17.9	53.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.795 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065345.D
 Acq: 27 Feb 2020 15:26

Tgt Ion	117	Resp	50503
Ion Ratio	Lower	Upper	
117	100		
119	4.7	77.6	116.4#
121	0.0	24.8	37.2#

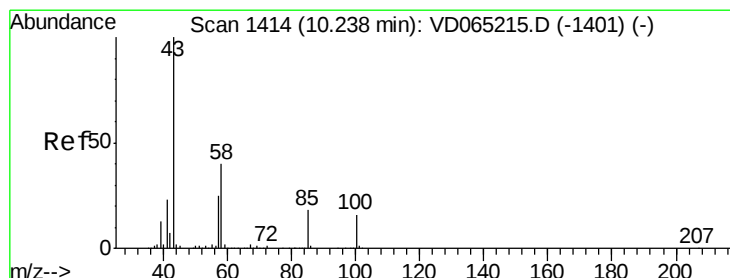
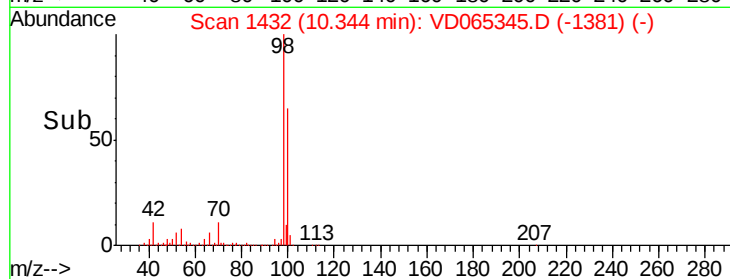
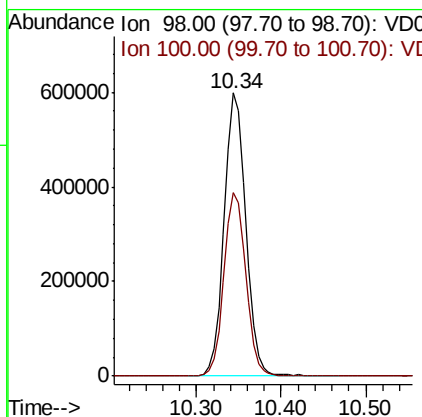
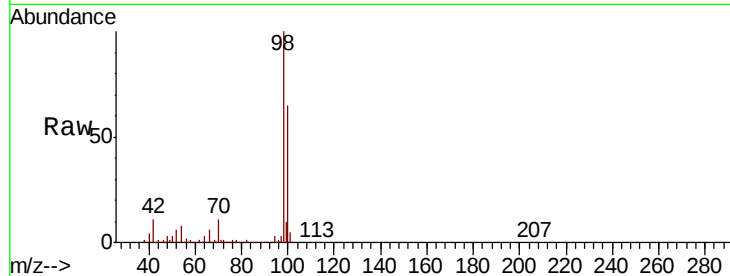




#50
Toluene-d8
Concen: 51.760 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

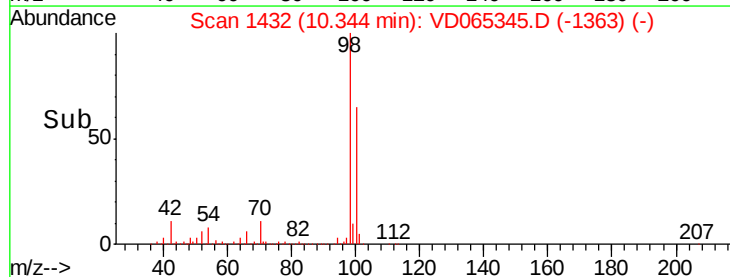
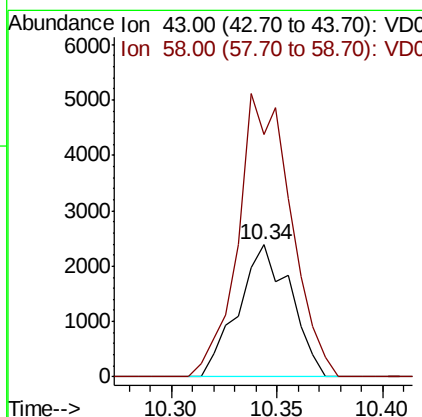
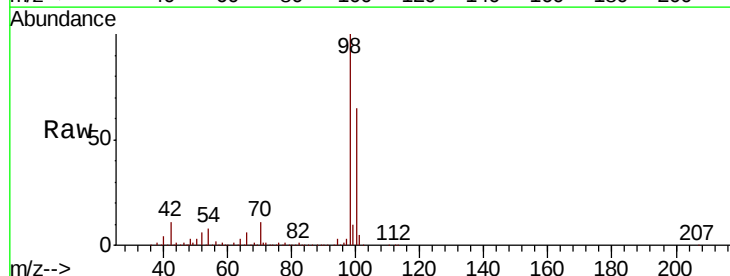
Instrument :
MSVOA_D
ClientSampleId :

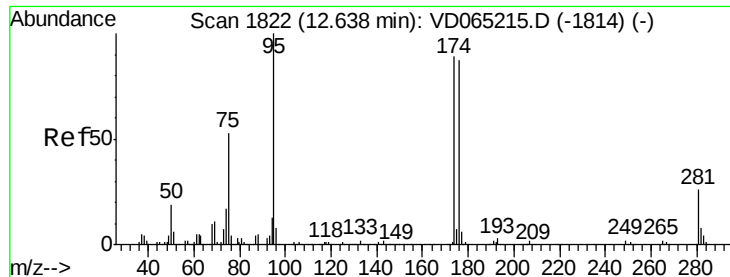
Tot Ion: 98 Resp: 1061585
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.247 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
58 214.8 31.1 46.7#

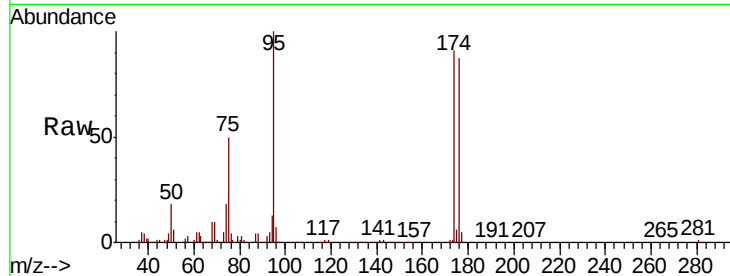




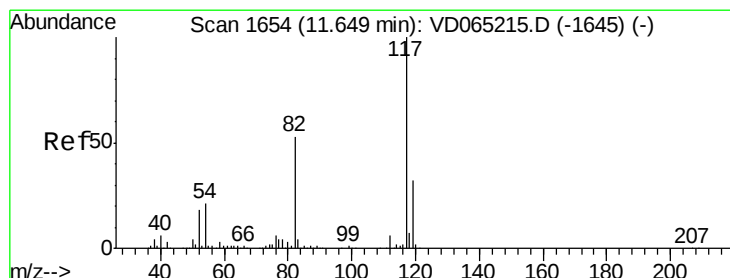
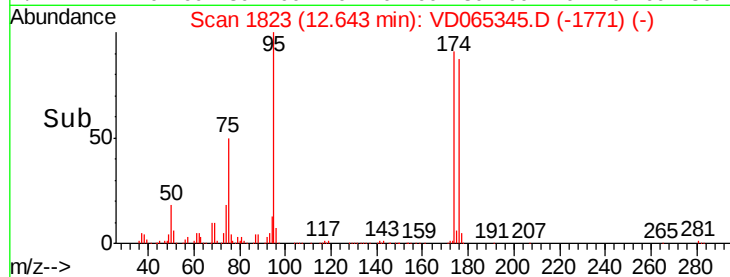
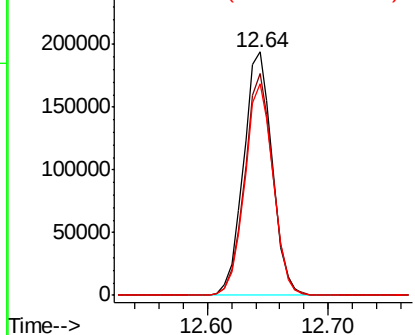
#62
4-Bromofluorobenzene
Concen: 49.492 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
95	100		
174	89.5	0.0	178.0
176	85.9	0.0	174.4

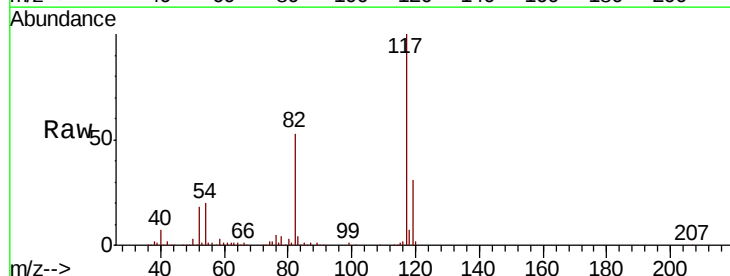


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

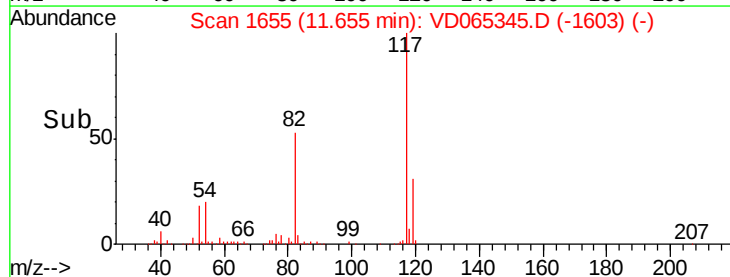
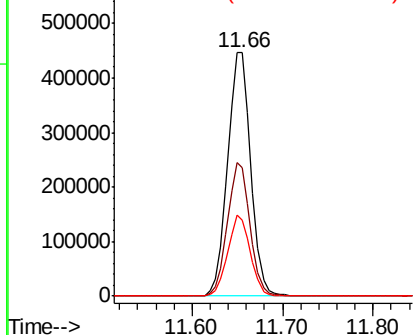


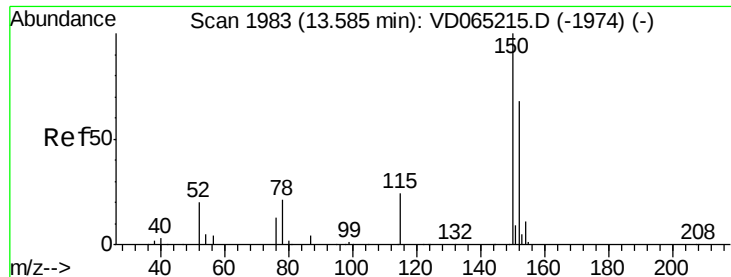
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065345.D
Acq: 27 Feb 2020 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.7	64.1
119	31.2	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: VD065345.D

Acq: 27 Feb 2020 15:26

Instrument :

MSVOA_D

ClientSampleId :

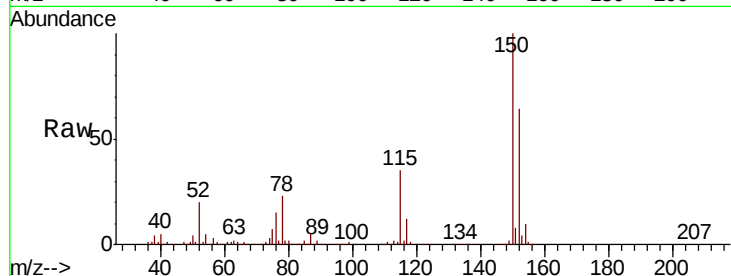
Tot Ion:152 Resp: 359158

Ion Ratio Lower Upper

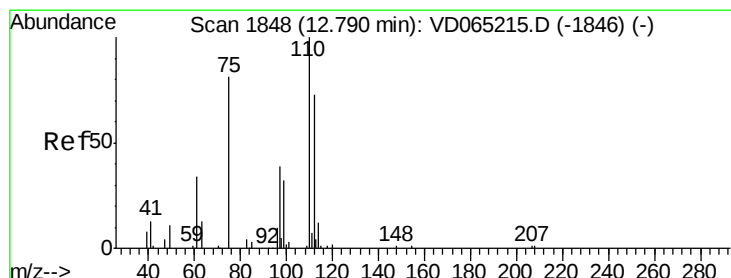
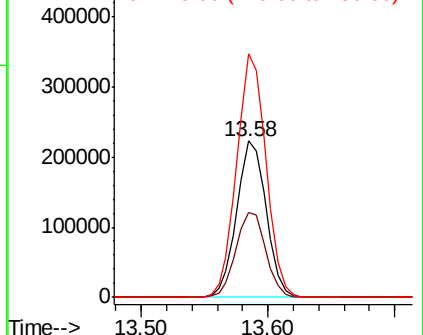
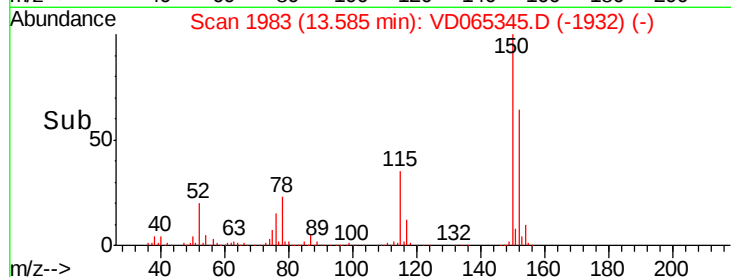
152 100

115 55.2 27.6 82.8

150 154.8 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: 52.172 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065345.D

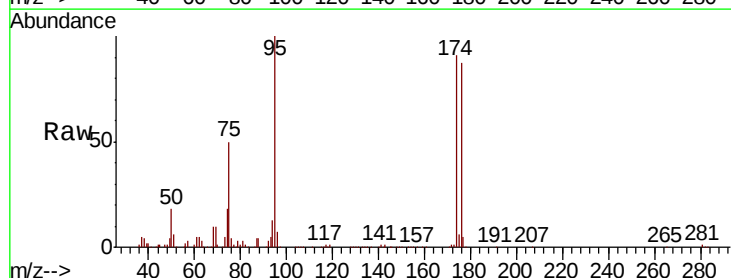
Acq: 27 Feb 2020 15:26

Tgt Ion: 75 Resp: 159428

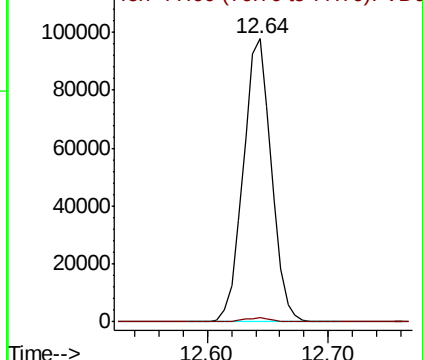
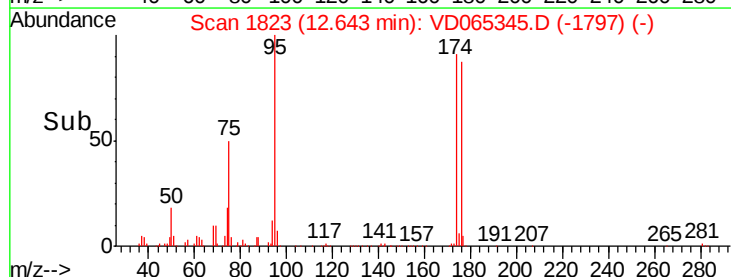
Ion Ratio Lower Upper

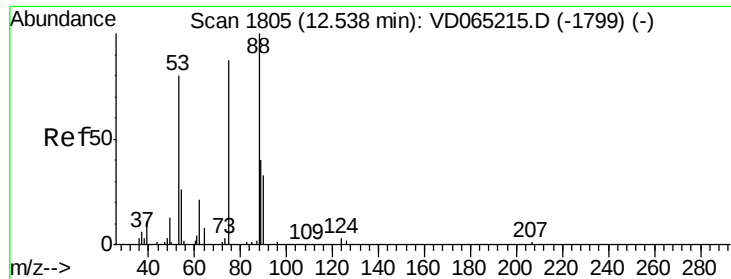
75 100

77 1.3 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: 112.648 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.11 min
 Lab File: VD065345.D
 Acq: 27 Feb 2020 15:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 159428
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.2 55.8#

