

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065096.D
 Acq On : 06 Feb 2020 19:44
 Operator : VA/SY
 Sample : L1393-09RE
 Misc : 7.59G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 07 06:10:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	422860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699415	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	210575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216990	60.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.76%	
35) Dibromofluoromethane	7.92	113	222118	56.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.84%	
50) Toluene-d8	10.34	98	817884	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.64	95	240496	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	

Target Compounds

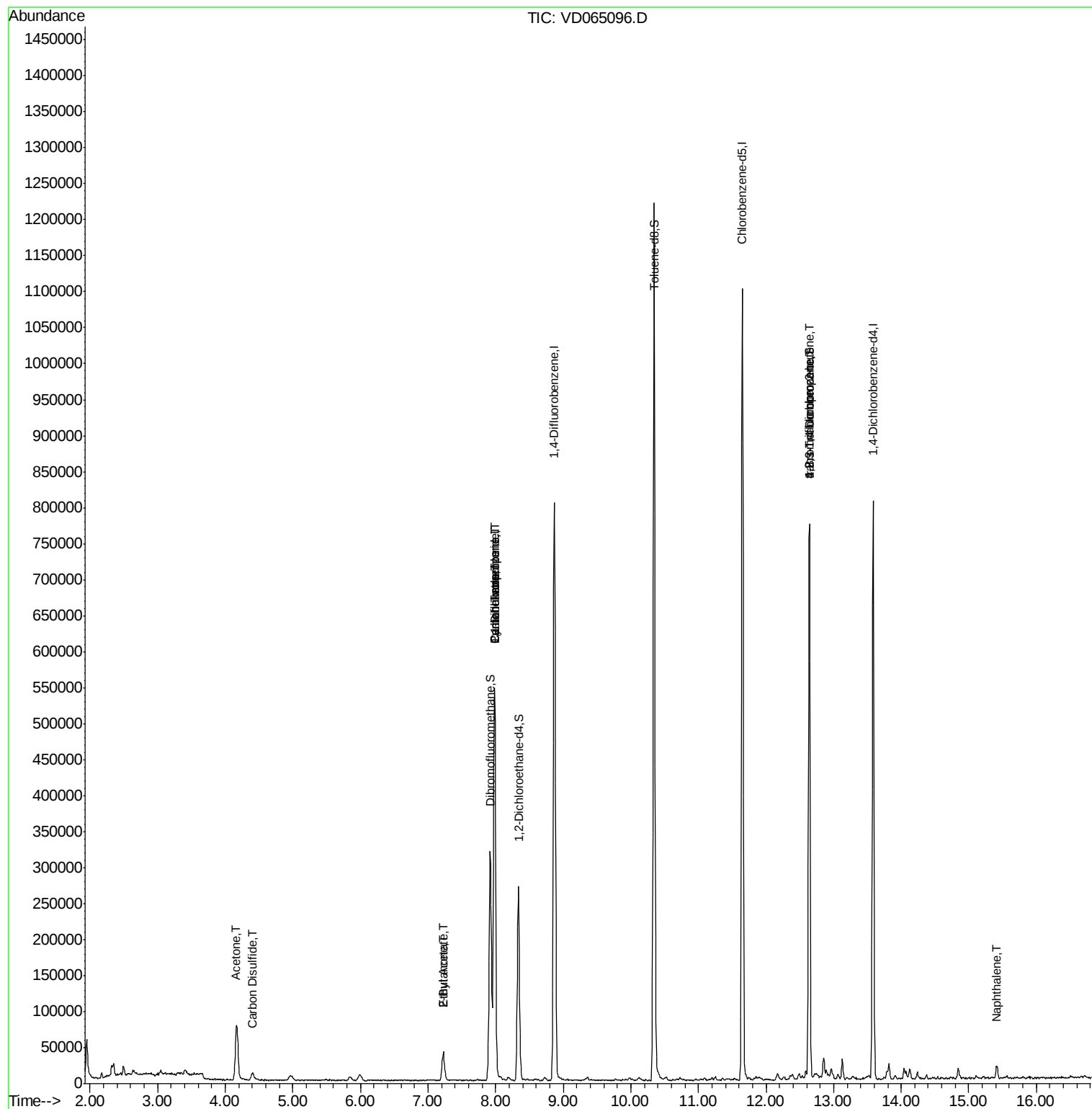
					Qvalue	
16) Acetone	4.16	43	141199	157.141	ug/l	97
17) Carbon Disulfide	4.40	76	20816	1.737	ug/l #	88
20) Methylene Chloride	4.97	84	5260	Below Cal	#	82
25) 2-Butanone	7.23	43	66205	61.768	ug/l	94
31) Cyclohexane	7.98	56	10720	1.499	ug/l #	21
36) 1,1-Dichloropropene	7.99	75	32306	4.967	ug/l #	49
37) Ethyl Acetate	7.23	43	66205	24.918	ug/l #	69
38) Carbon Tetrachloride	7.98	117	39919	6.010	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	125483	78.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	125483	157.411	ug/l #	11
95) Naphthalene	15.41	128	15092	2.275	ug/l	96

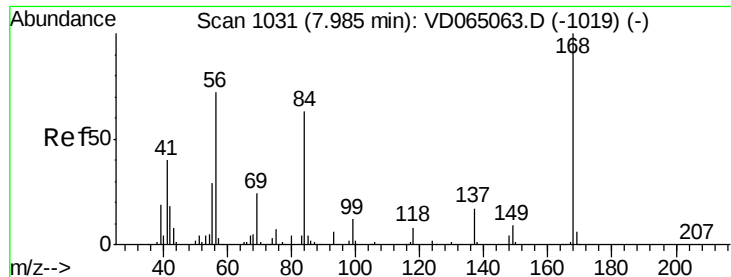
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 07 06:10:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 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: VD065096.D

Acq: 06 Feb 2020 19:44

Instrument :

MSVOA_D

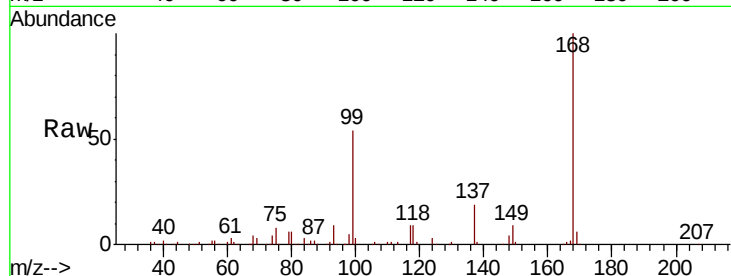
ClientSampleId :

Tot Ion:168 Resp: 422860

Ion Ratio Lower Upper

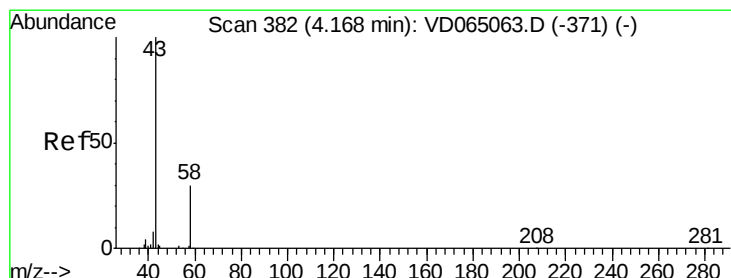
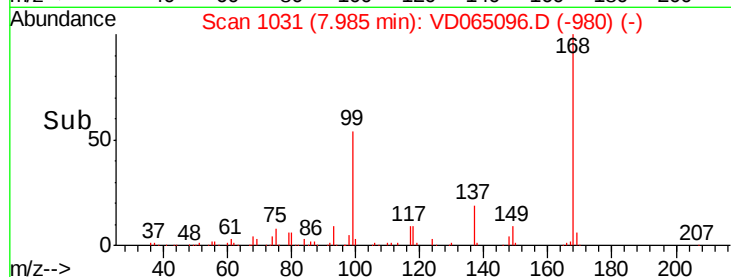
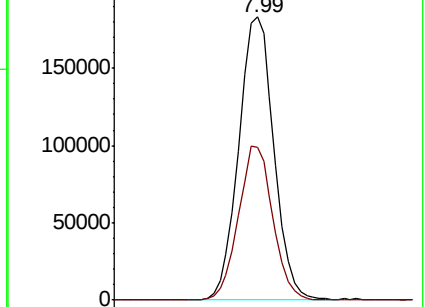
168 100

99 54.2 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 157.141 ug/l

RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD065096.D

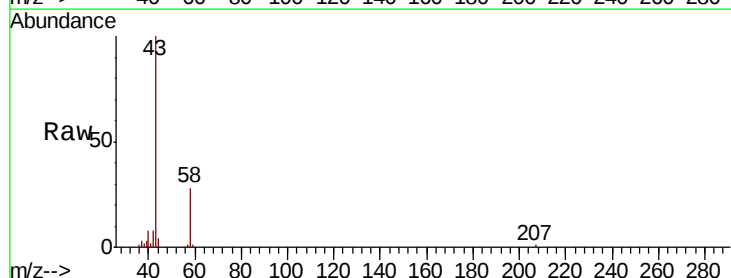
Acq: 06 Feb 2020 19:44

Tgt Ion: 43 Resp: 141199

Ion Ratio Lower Upper

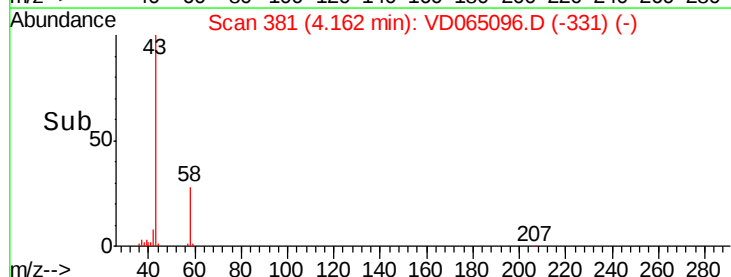
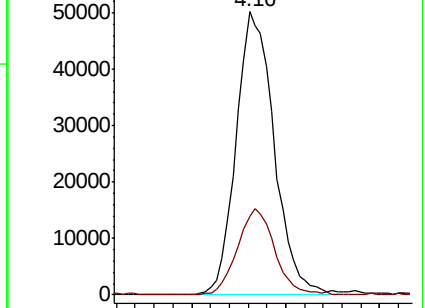
43 100

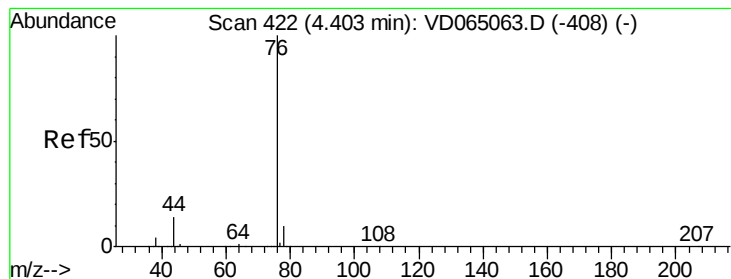
58 27.6 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 1.737 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

Instrument :

MSVOA_D

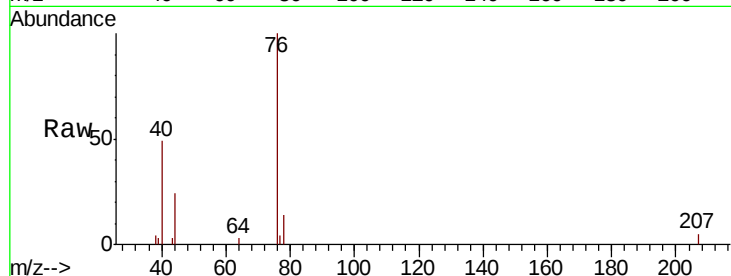
ClientSampleId :

Tot Ion: 76 Resp: 20816

Ion Ratio Lower Upper

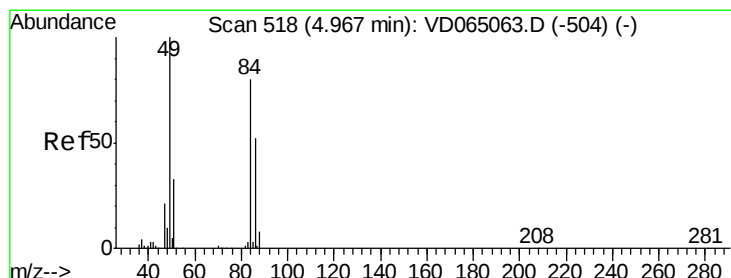
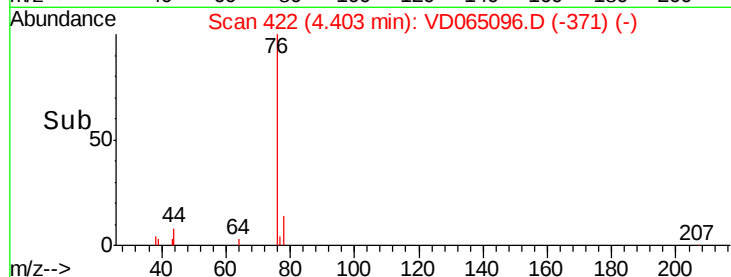
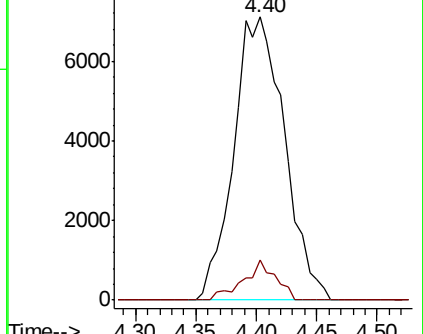
76 100

78 14.0 7.6 11.4#



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: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

Tgt Ion: 84 Resp: 5260

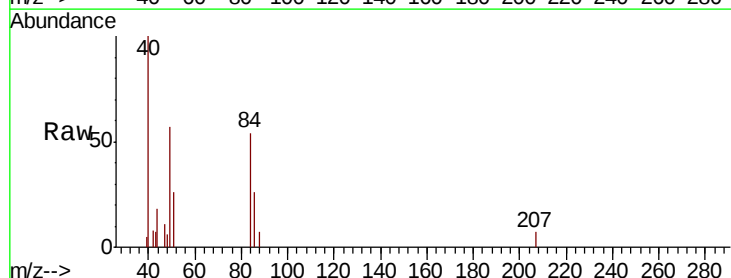
Ion Ratio Lower Upper

84 100

49 104.8 100.4 150.6

51 47.7 32.7 49.1

86 48.7 52.4 78.6#

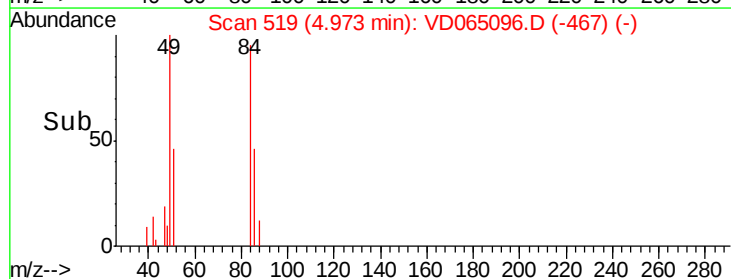
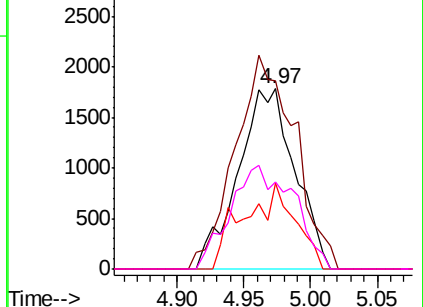


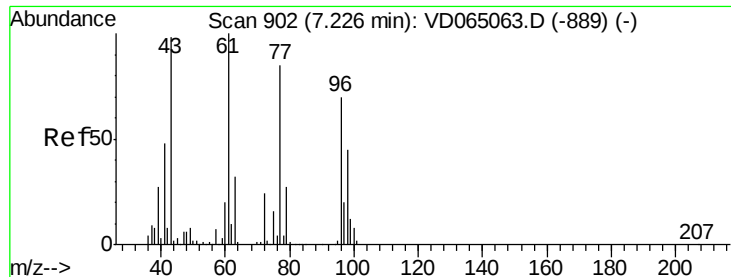
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

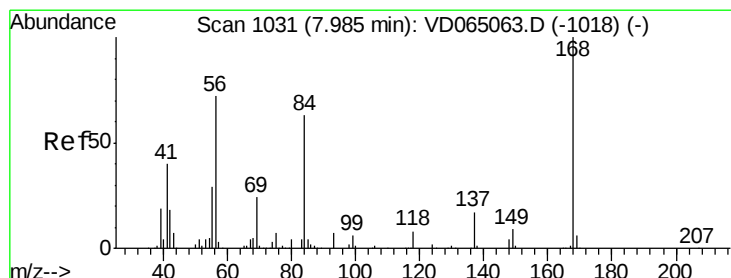
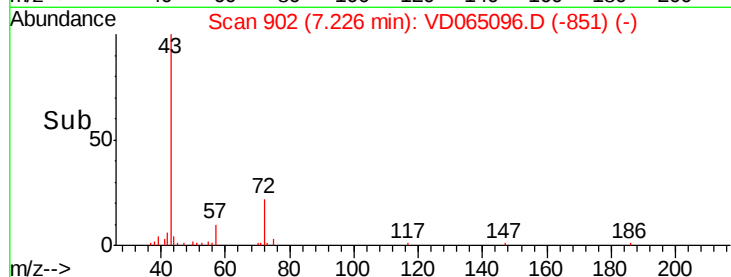
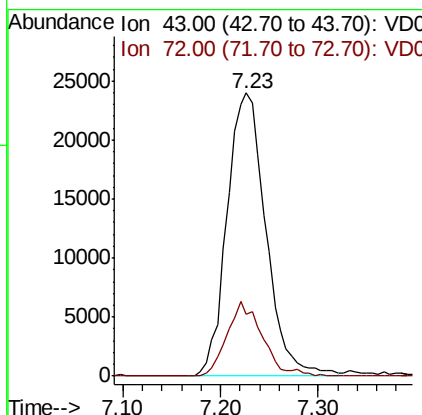
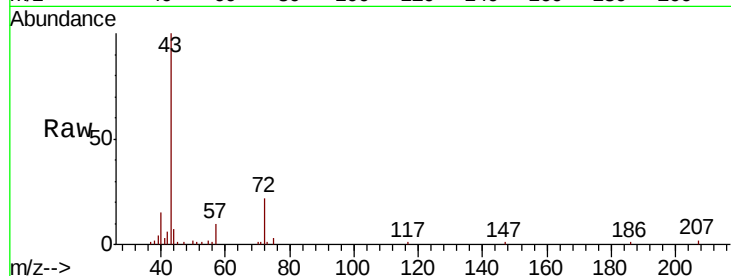




#25
2-Butanone
Concen: 61.768 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

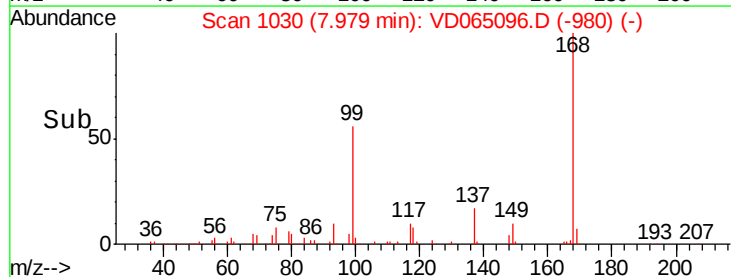
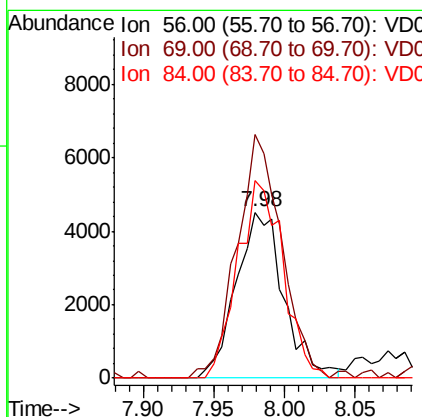
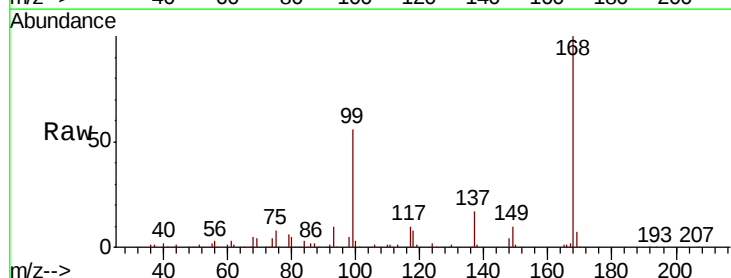
Instrument :
MSVOA_D
ClientSampled :

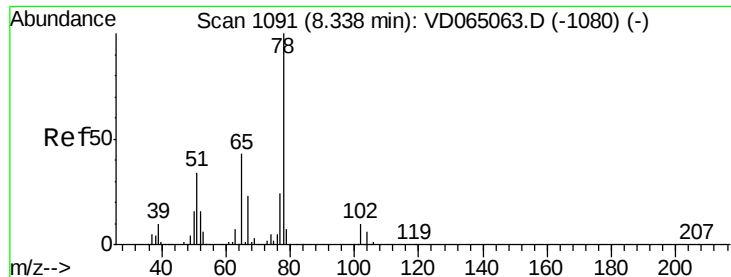
Tot Ion: 43 Resp: 66205
Ion Ratio Lower Upper
43 100
72 22.1 19.9 29.9



#31
Cyclohexane
Concen: 1.499 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Tgt Ion: 56 Resp: 10720
Ion Ratio Lower Upper
56 100
69 146.9 26.6 40.0#
84 119.5 70.6 106.0#

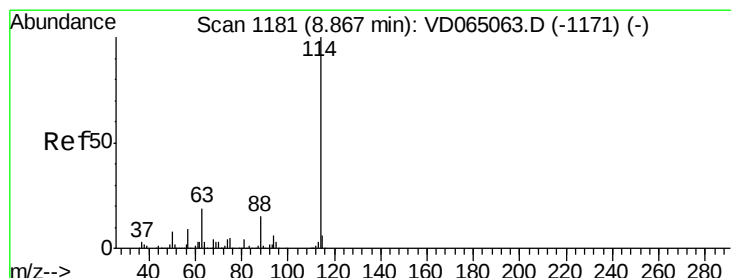
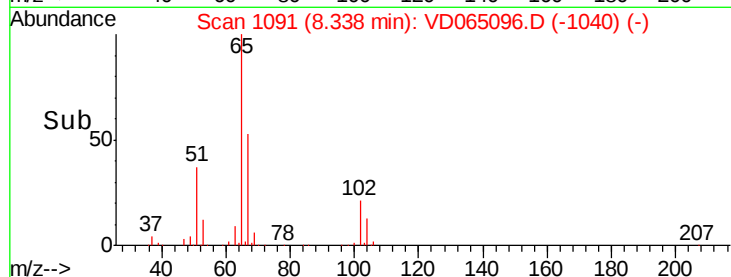
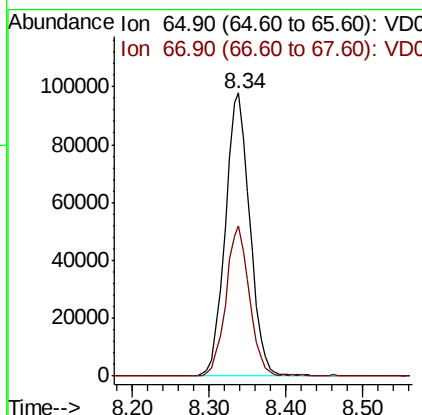
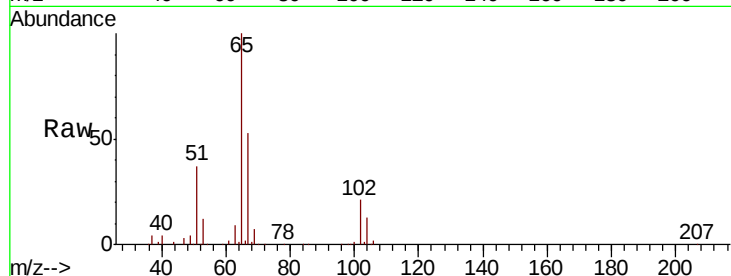




#33
 1,2-Dichloroethane-d4
 Concen: 60.377 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065096.D
 Acq: 06 Feb 2020 19:44

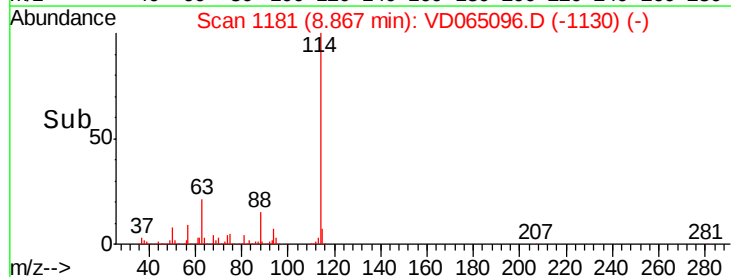
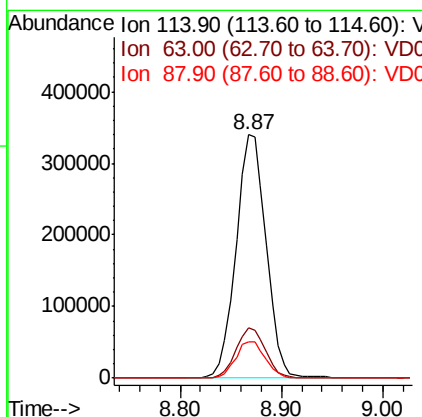
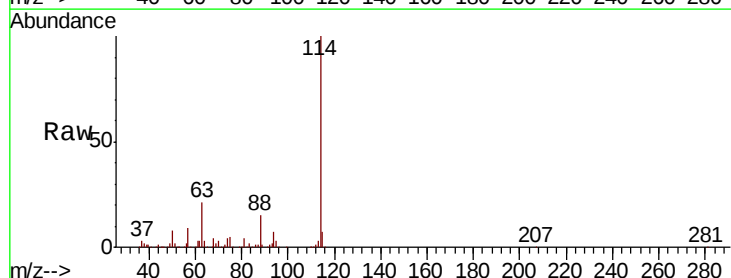
Instrument :
 MSVOA_D
 ClientSampleId :

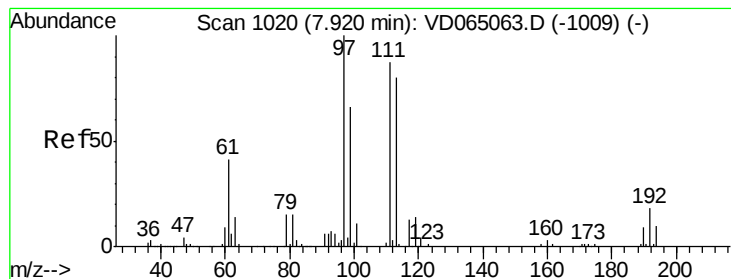
Tot Ion: 65 Resp: 216990
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065096.D
 Acq: 06 Feb 2020 19:44

Tgt Ion: 114 Resp: 699415
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.8
 88 15.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 56.920 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

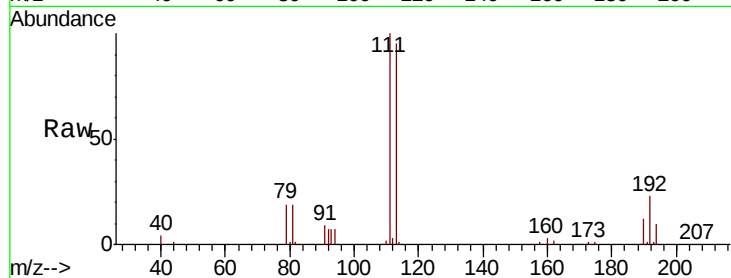
Tot Ion:113 Resp: 222118

Ion Ratio Lower Upper

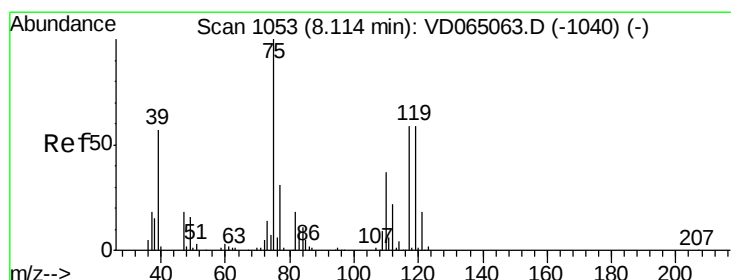
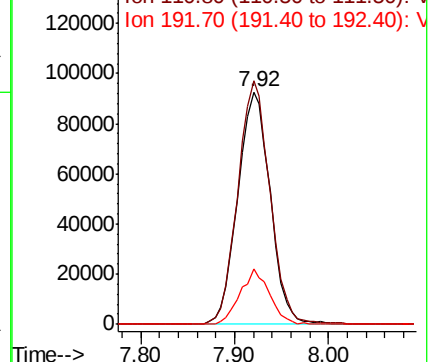
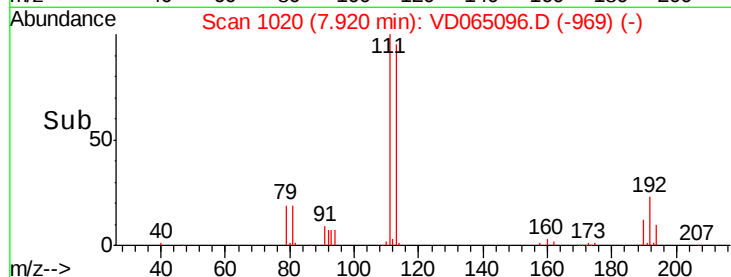
113 100

111 103.9 83.1 124.7

192 21.6 18.1 27.1



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: 4.967 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

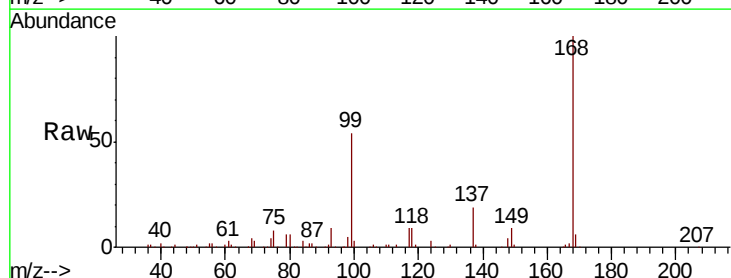
Tgt Ion: 75 Resp: 32306

Ion Ratio Lower Upper

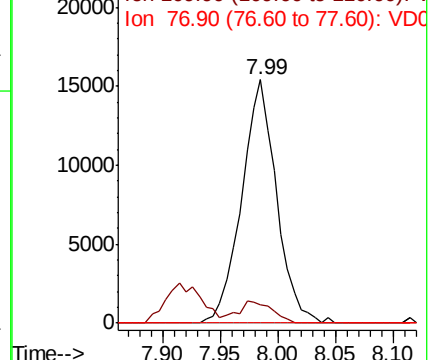
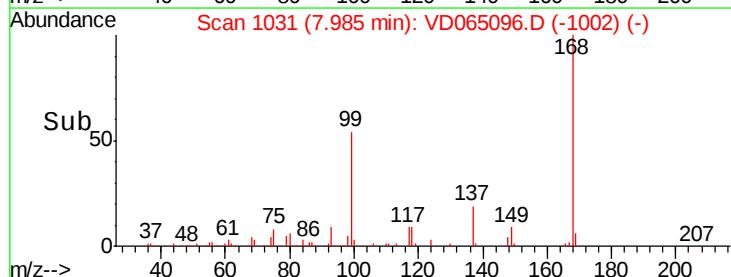
75 100

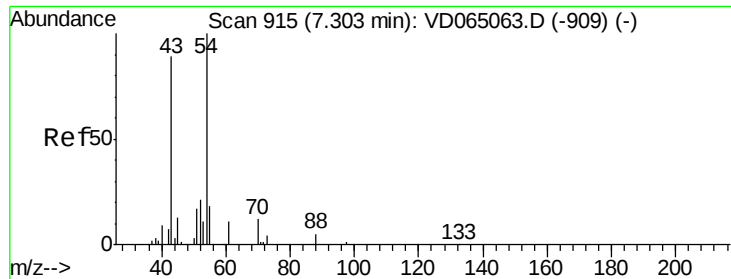
110 8.3 18.1 54.3#

77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

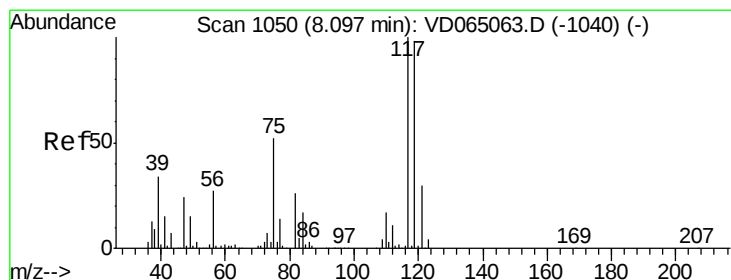
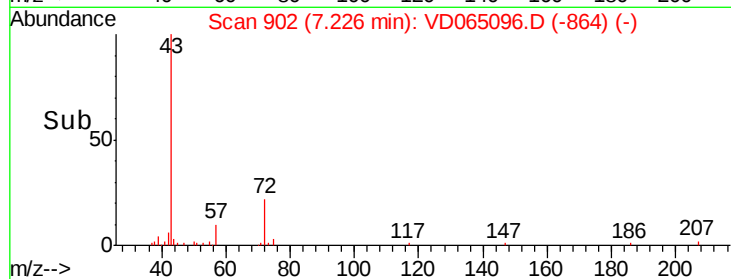
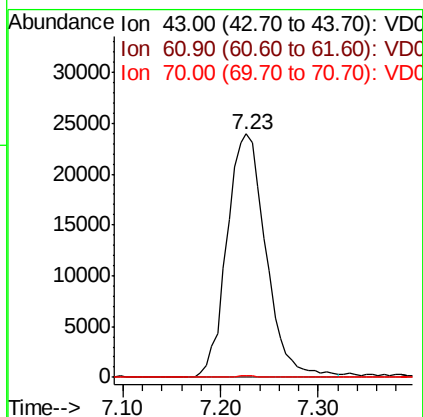
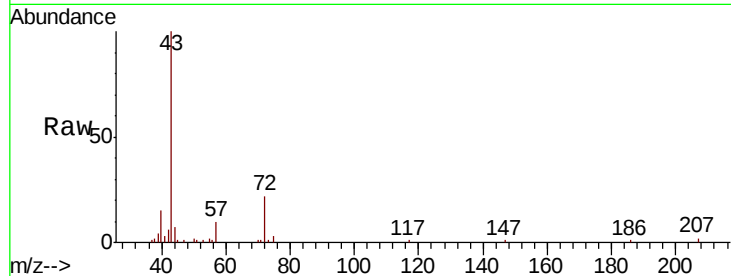




#37
Ethyl Acetate
Concen: 24.918 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.08 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

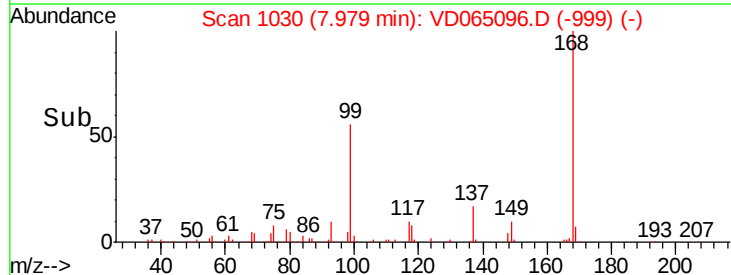
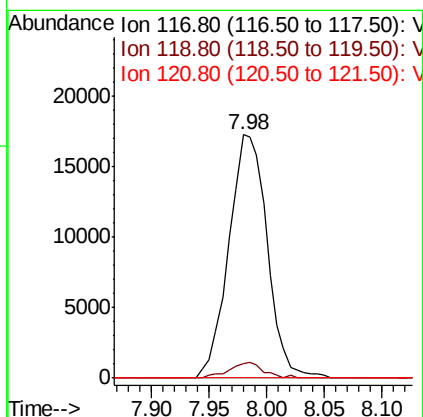
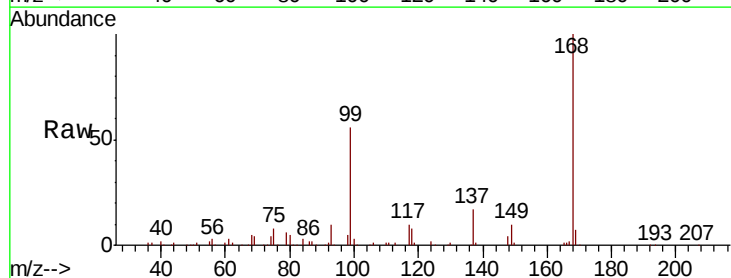
Instrument :
MSVOA_D
ClientSampled :

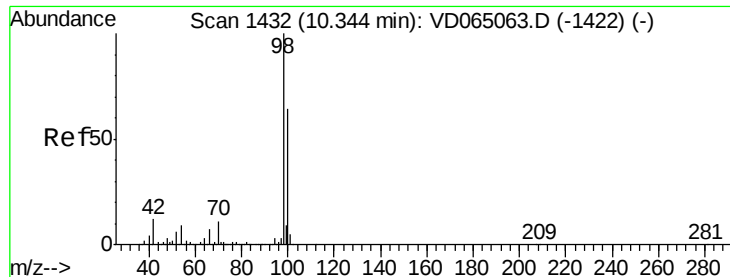
Tot Ion: 43 Resp: 66205
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.3 8.2 12.2#



#38
Carbon Tetrachloride
Concen: 6.010 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Tgt Ion: 117 Resp: 39919
Ion Ratio Lower Upper
117 100
119 5.9 78.5 117.7#
121 0.0 23.8 35.6#

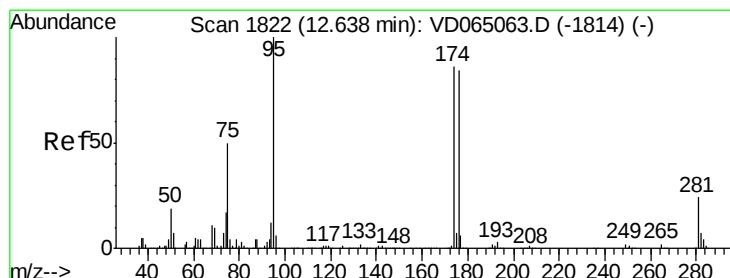
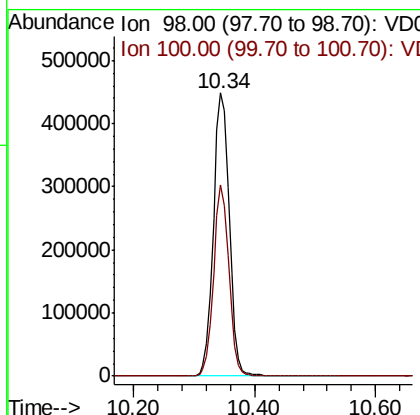
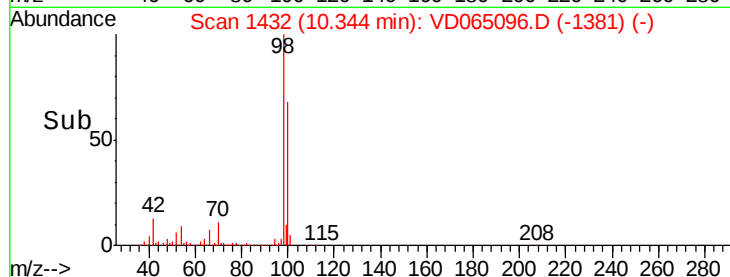
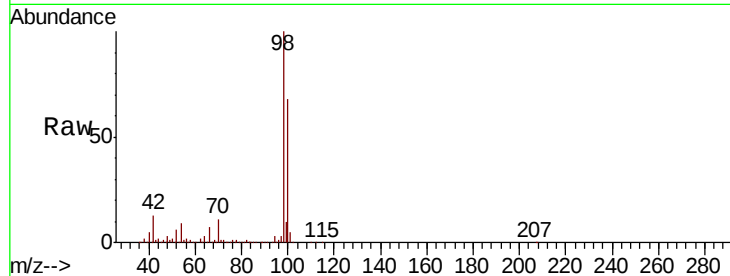




#50
Toluene-d8
Concen: 52.657 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

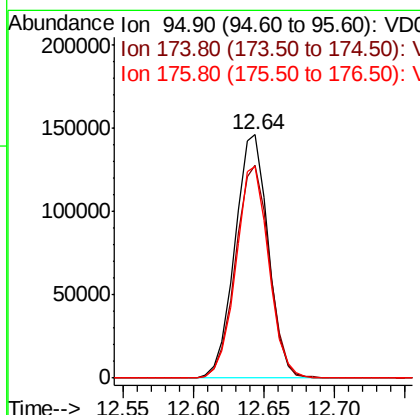
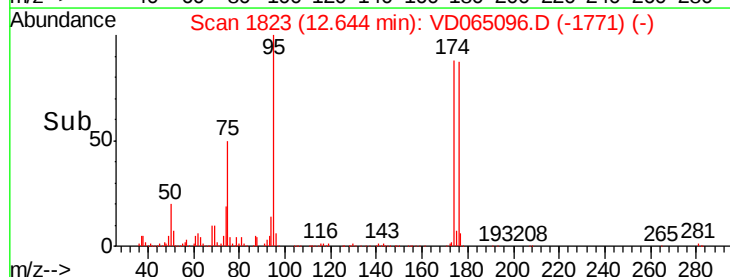
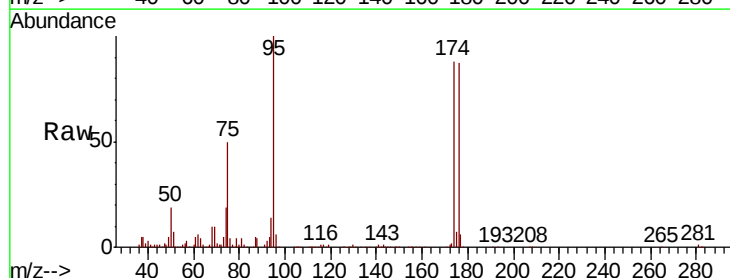
Instrument :
MSVOA_D
ClientSampled :

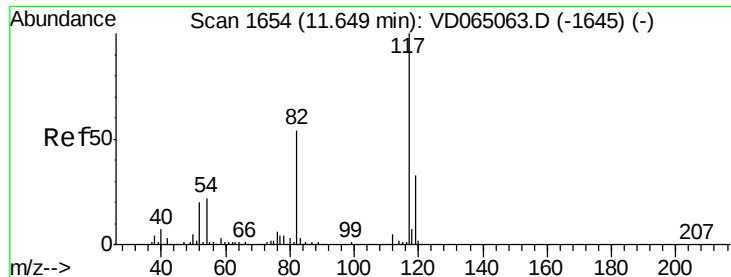
Tot Ion: 98 Resp: 817884
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 48.865 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Tgt Ion: 95 Resp: 240496
Ion Ratio Lower Upper
95 100
174 88.8 0.0 180.0
176 85.7 0.0 173.2

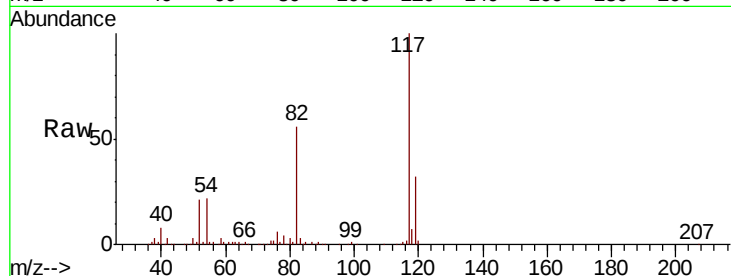




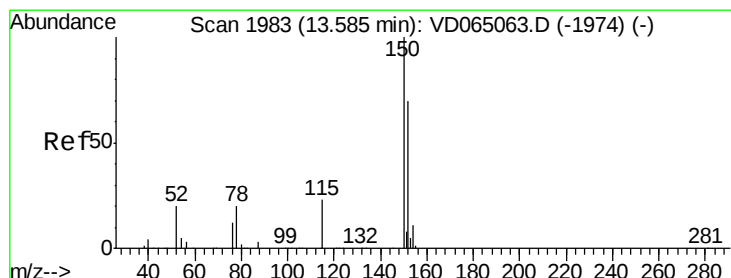
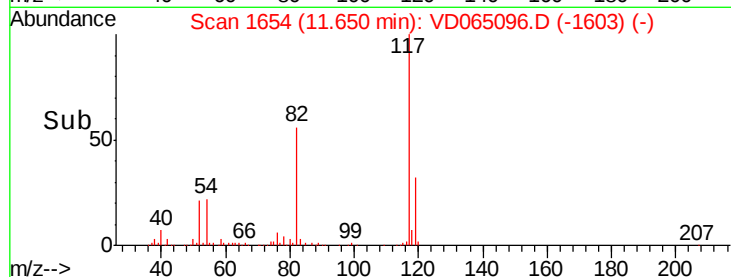
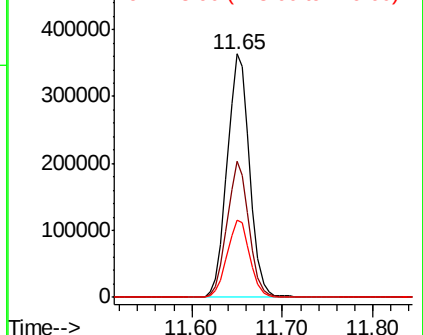
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 623779
Ion Ratio Lower Upper
117 100
82 56.1 43.1 64.7
119 31.8 26.0 39.0

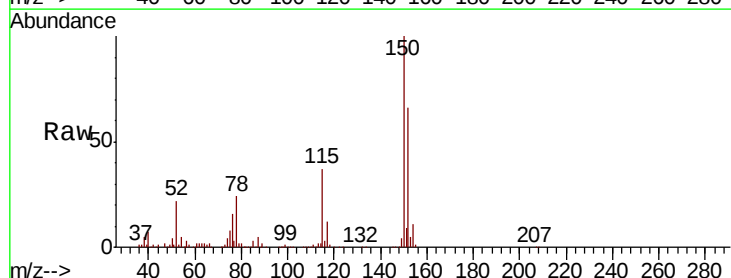


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

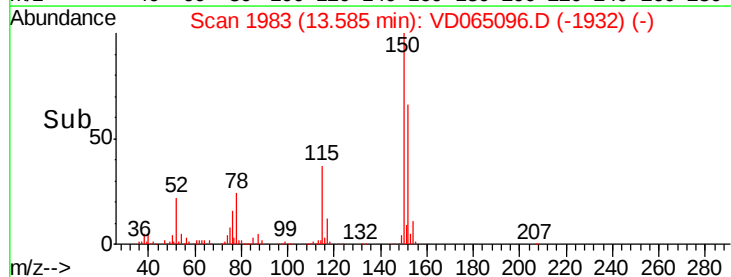
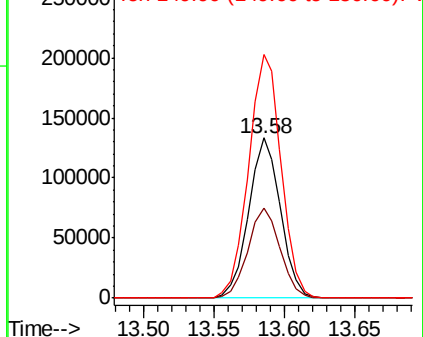


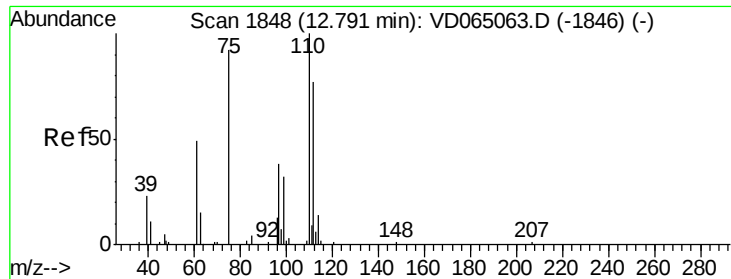
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Tgt Ion:152 Resp: 210575
Ion Ratio Lower Upper
152 100
115 56.8 27.5 82.4
150 155.6 0.0 343.2



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: 78.709 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

Instrument :

MSVOA_D

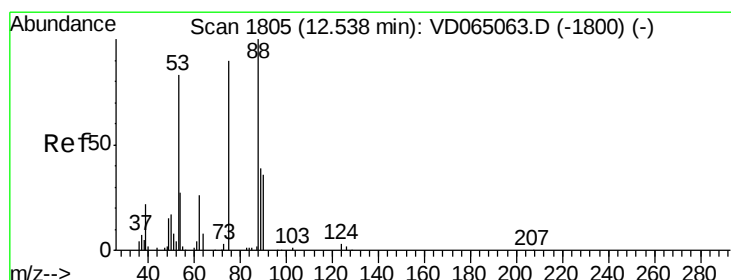
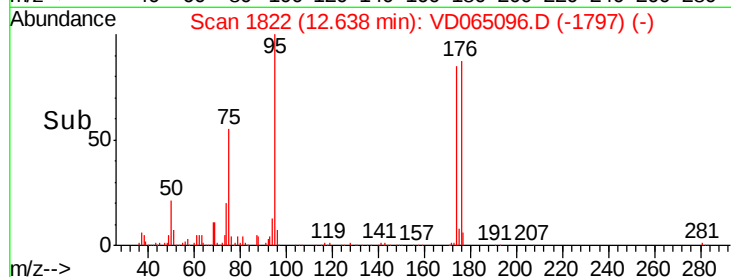
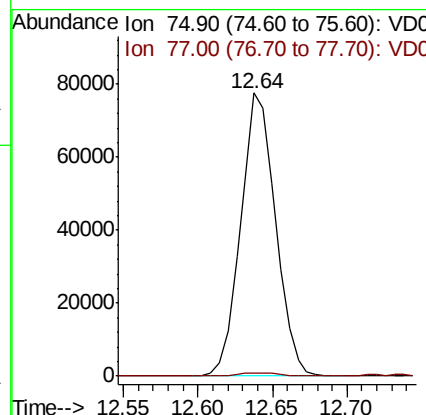
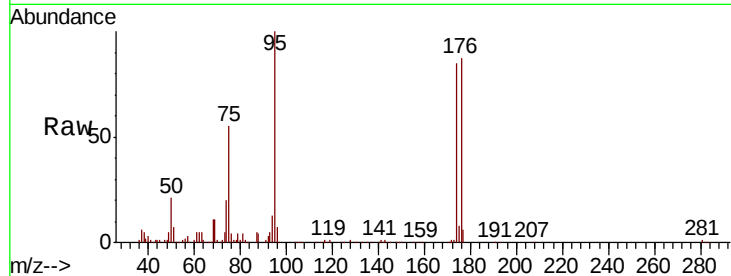
ClientSampleId :

Tot Ion: 75 Resp: 125483

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.411 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065096.D

Acq: 06 Feb 2020 19:44

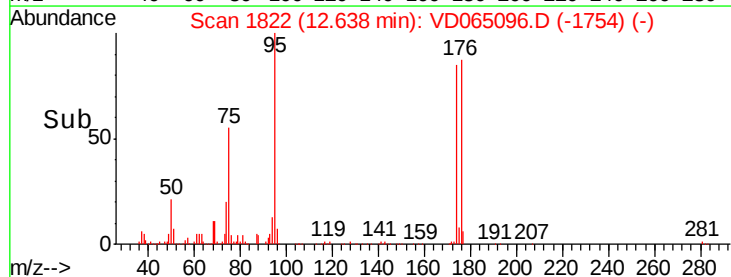
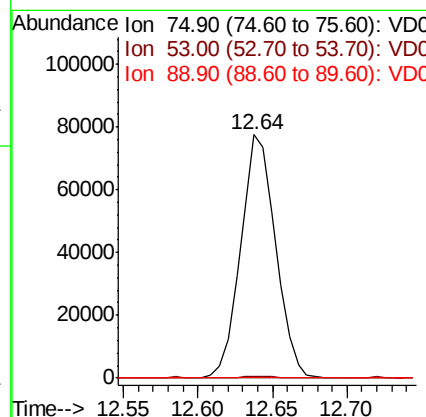
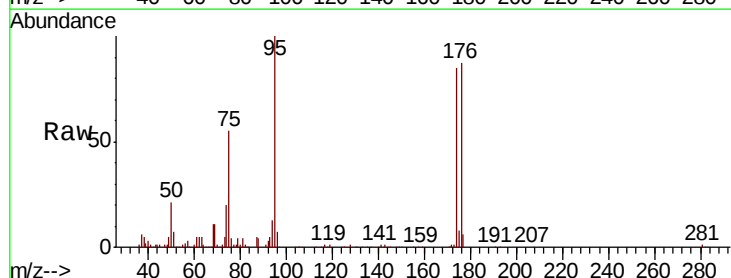
Tgt Ion: 75 Resp: 125483

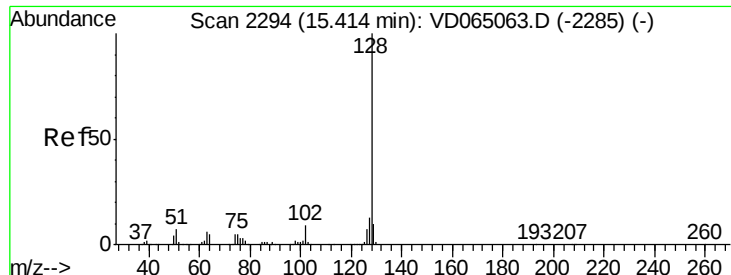
Ion Ratio Lower Upper

75 100

53 0.8 78.5 117.7#

89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.275 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065096.D
Acq: 06 Feb 2020 19:44

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.6	15.8
129	12.5	8.7	13.1

