

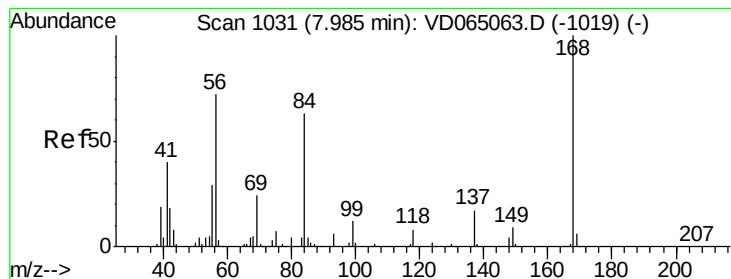
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020720\
 Data File : VD065106.D
 Acq On : 07 Feb 2020 13:26
 Operator : VA/SY
 Sample : L1431-07
 Misc : 8.06G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 08 00:07:24 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	518786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	819010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	822086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	406839	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	224256	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	7.92	113	244334	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.34	98	1002996	55.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.30%	
62) 4-Bromofluorobenzene	12.64	95	359547	62.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.78%	
Target Compounds				Qvalue		
16) Acetone	4.17	43	21925	19.889	ug/l	99
20) Methylene Chloride	4.96	84	12576	Below Cal		88
31) Cyclohexane	7.98	56	13869	1.581	ug/l #	36
58) 2-Chloroethyl Vinyl ether	9.95	63	122	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.64	75	188978	61.353	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	188978	122.700	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

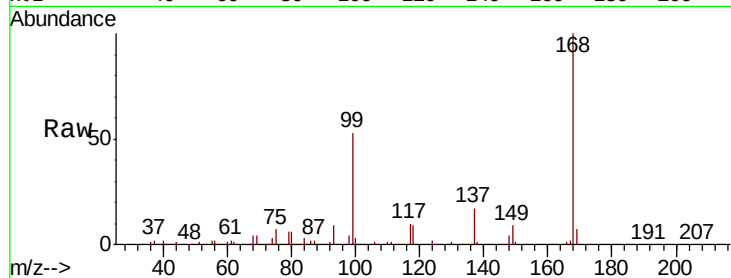
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 518786

Ion Ratio Lower Upper

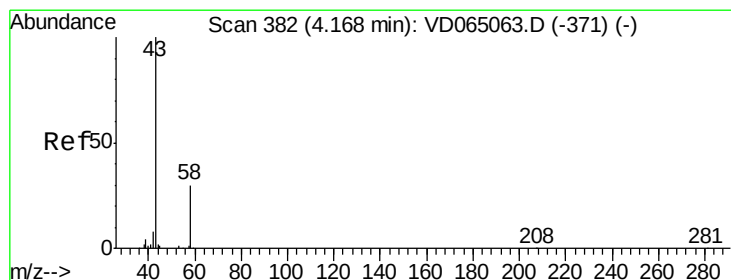
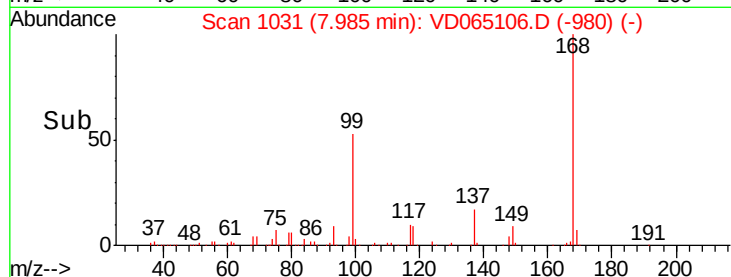
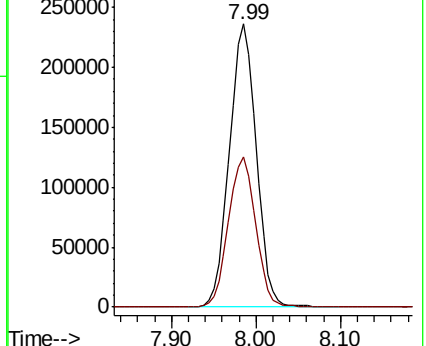
168 100

99 53.0 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: 19.889 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065106.D

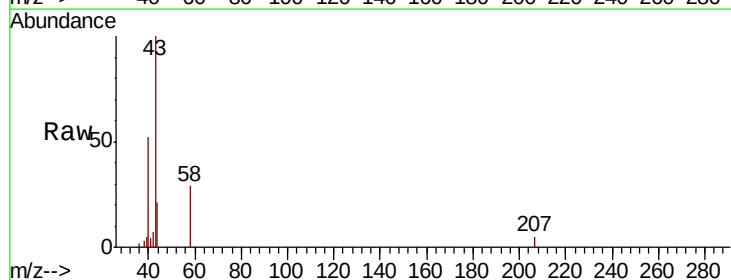
Acq: 07 Feb 2020 13:26

Tgt Ion: 43 Resp: 21925

Ion Ratio Lower Upper

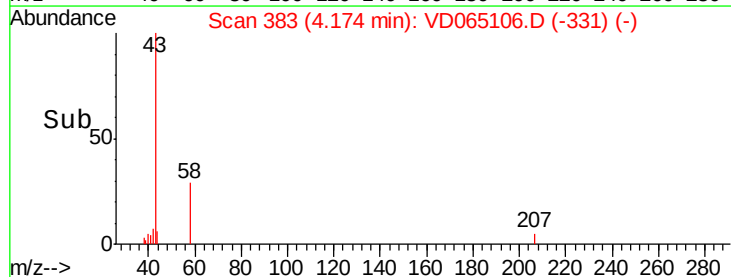
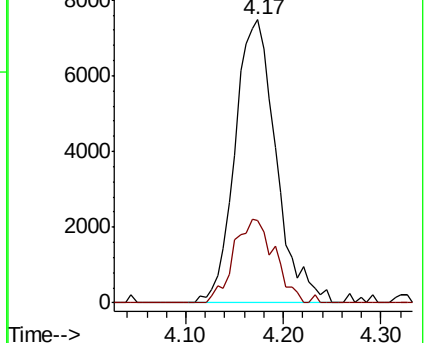
43 100

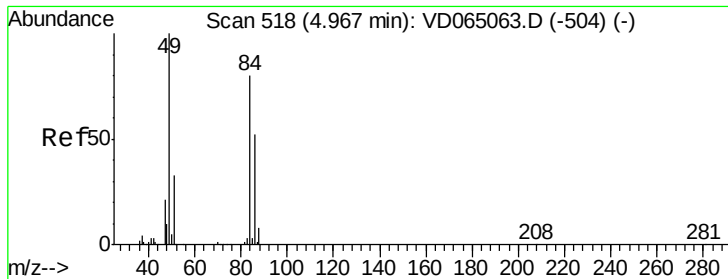
58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

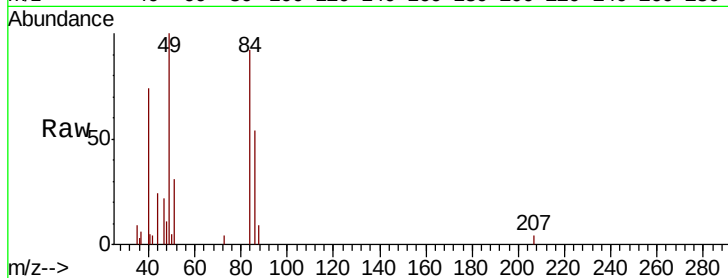




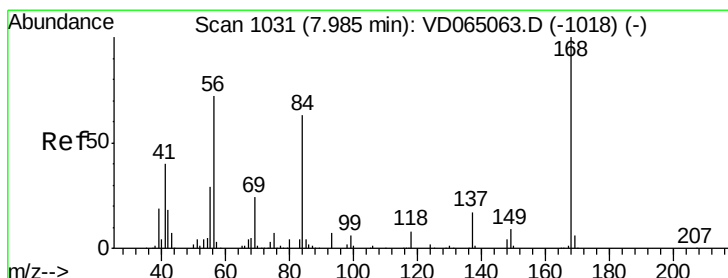
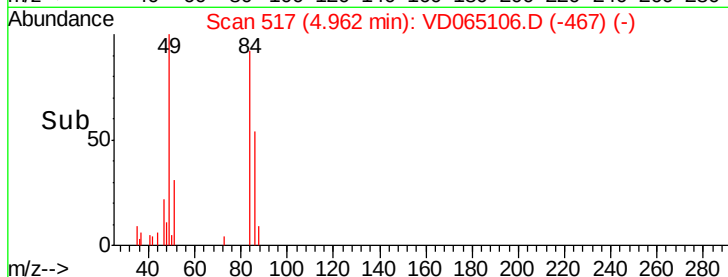
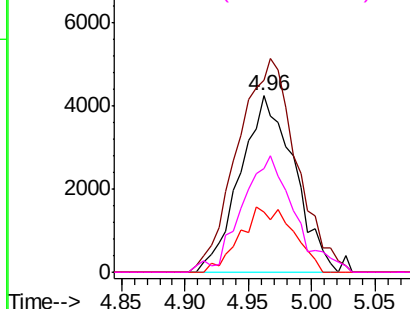
#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065106.D
Acq: 07 Feb 2020 13:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	12576
Ion	Ratio	Lower	Upper
84	100		
49	108.7	100.4	150.6
51	34.0	32.7	49.1
86	58.7	52.4	78.6

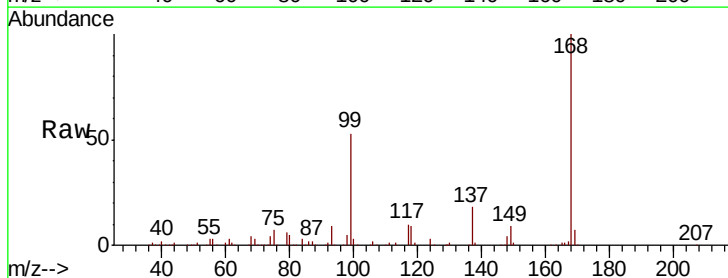


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

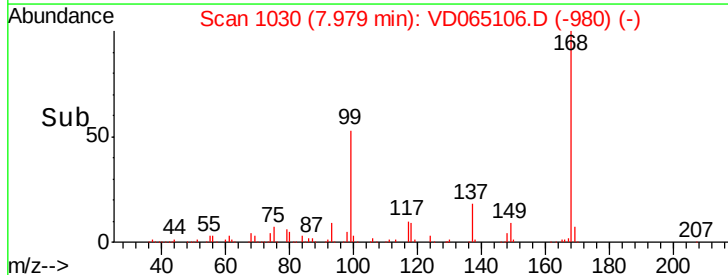
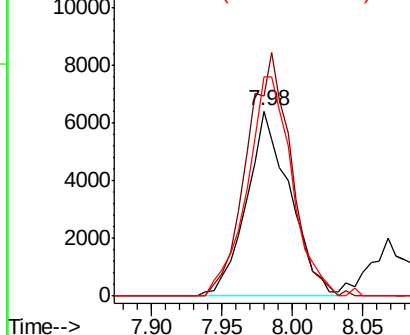


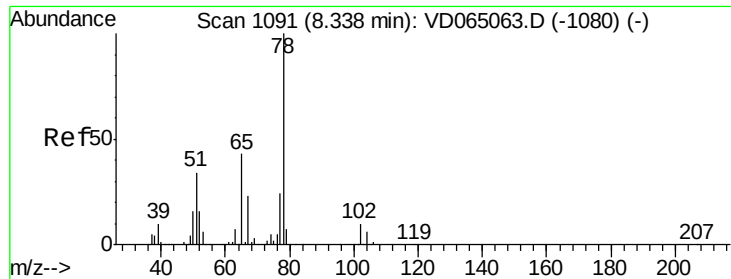
#31
Cyclohexane
Concen: 1.581 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065106.D
Acq: 07 Feb 2020 13:26

Tgt Ion:	56	Resp:	13869
Ion	Ratio	Lower	Upper
56	100		
69	108.2	26.6	40.0#
84	124.7	70.6	106.0#



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

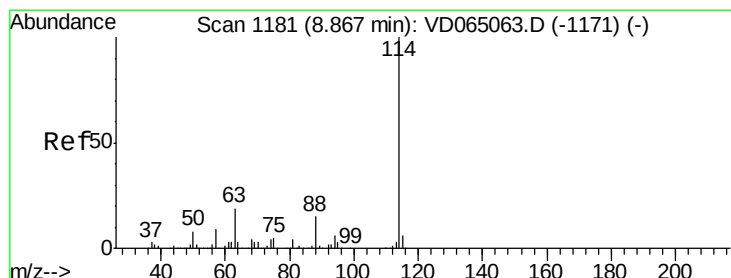
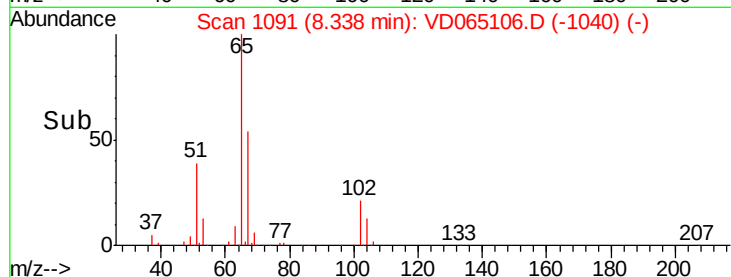
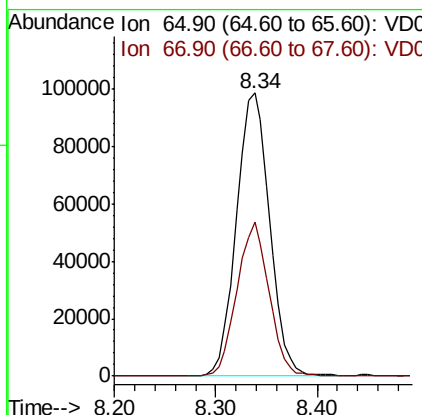
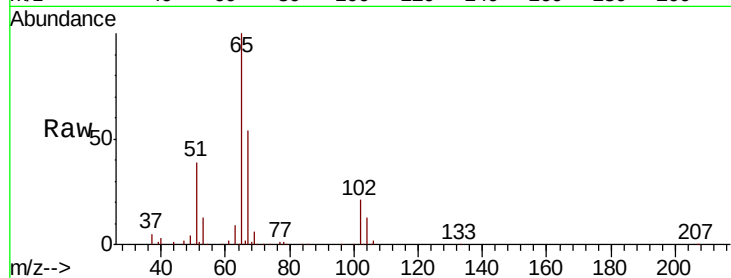




#33
 1,2-Dichloroethane-d4
 Concen: 50.861 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065106.D
 Acq: 07 Feb 2020 13:26

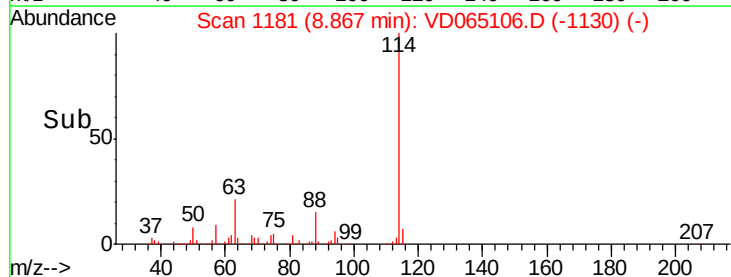
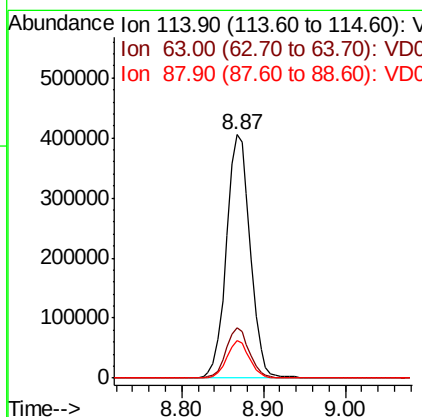
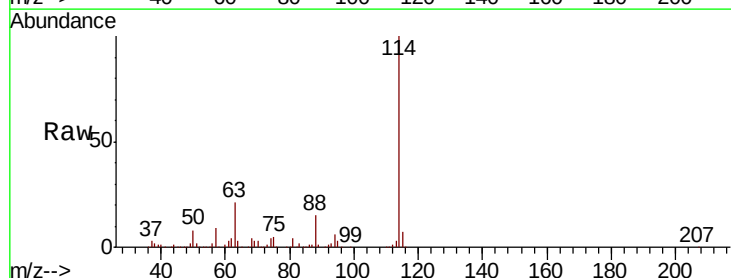
Instrument :
 MSVOA_D
 ClientSampleId :

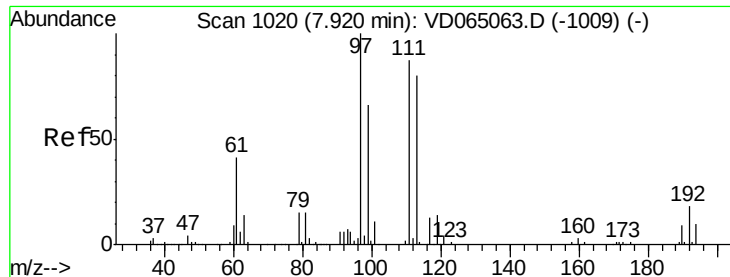
Tot Ion: 65 Resp: 224256
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065106.D
 Acq: 07 Feb 2020 13:26

Tgt Ion: 114 Resp: 819010
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 15.2 0.0 29.6

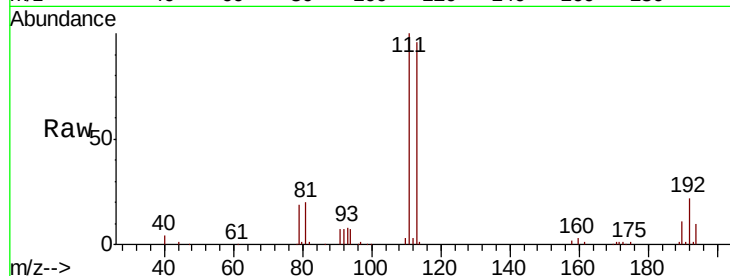




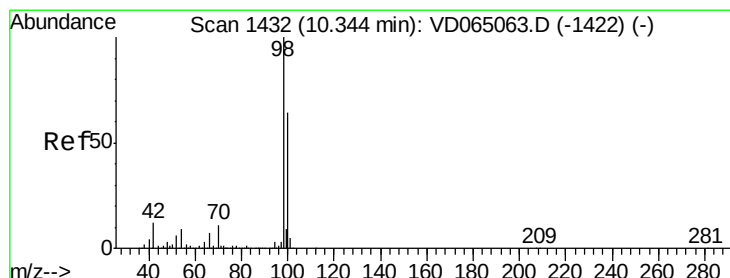
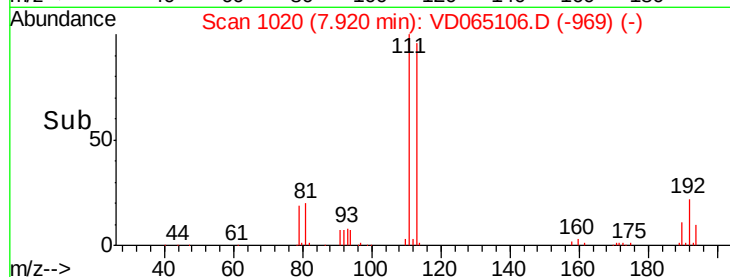
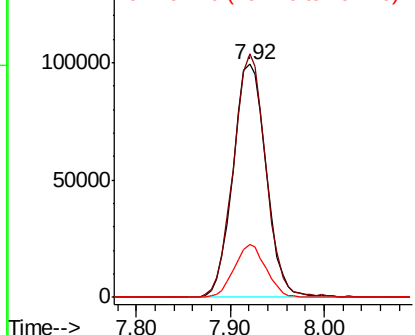
#35
 Dibromofluoromethane
 Concen: 53.470 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065106.D
 Acq: 07 Feb 2020 13:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	83.1	124.7
192	21.4	18.1	27.1

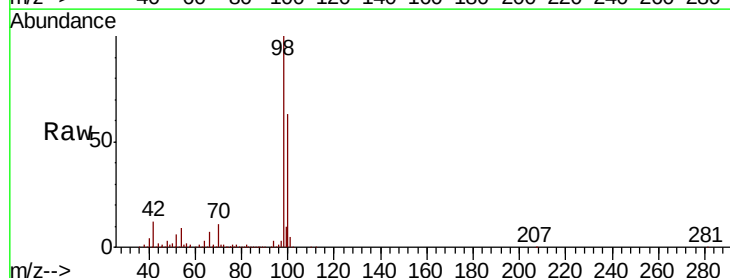


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

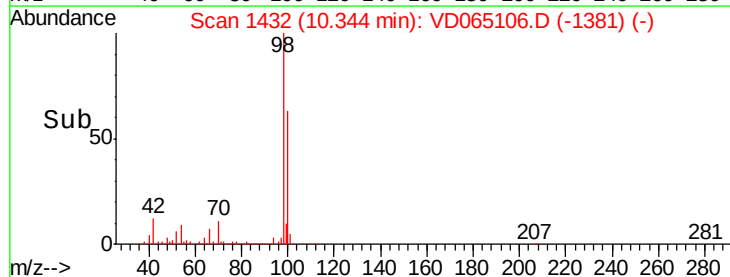
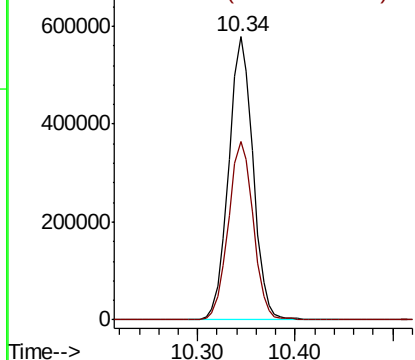


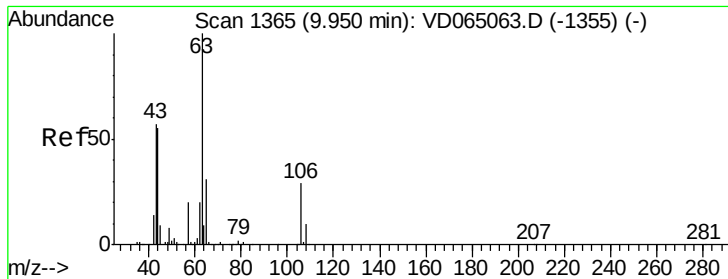
#50
 Toluene-d8
 Concen: 55.145 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065106.D
 Acq: 07 Feb 2020 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



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





#58

2-Chloroethyl Vinyl ether

Concen: Below Cal

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

Instrument :

MSVOA_D

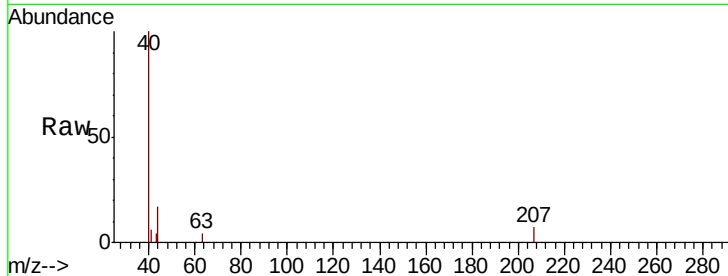
ClientSampleId :

Tot Ion: 63 Resp: 122

Ion Ratio Lower Upper

63 100

106 0.0 23.3 34.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

200

150

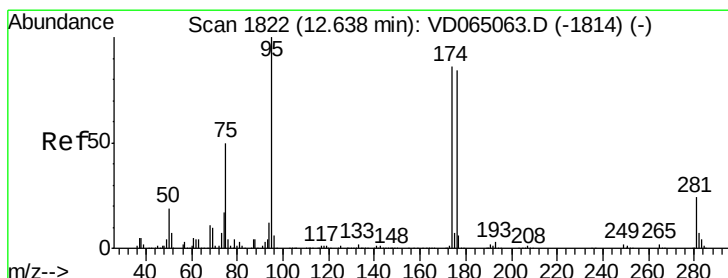
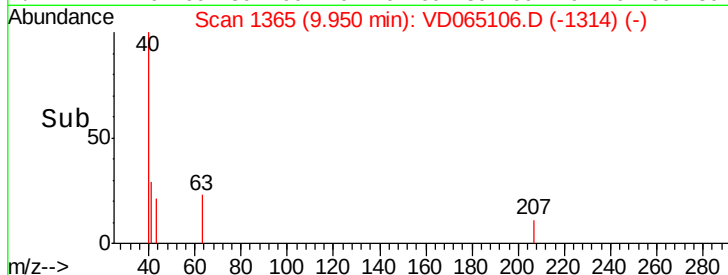
100

50

0

9.92 9.94 9.96

Time-->



#62

4-Bromofluorobenzene

Concen: 62.387 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

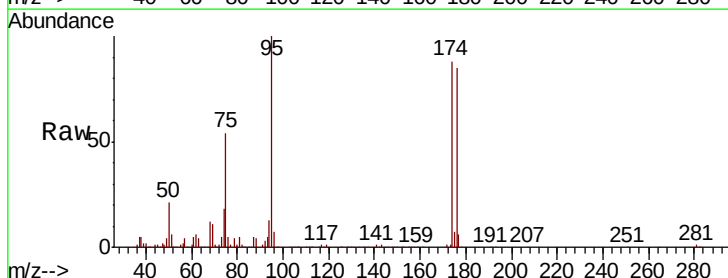
Tgt Ion: 95 Resp: 359547

Ion Ratio Lower Upper

95 100

174 90.7 0.0 180.0

176 87.3 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

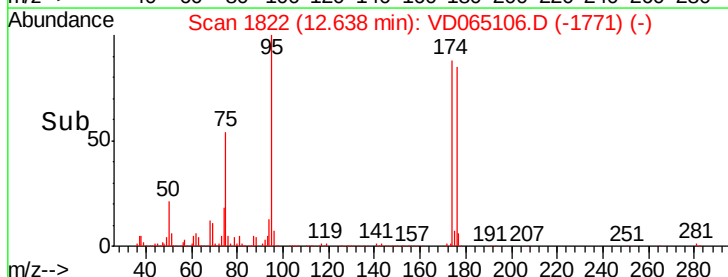
100000

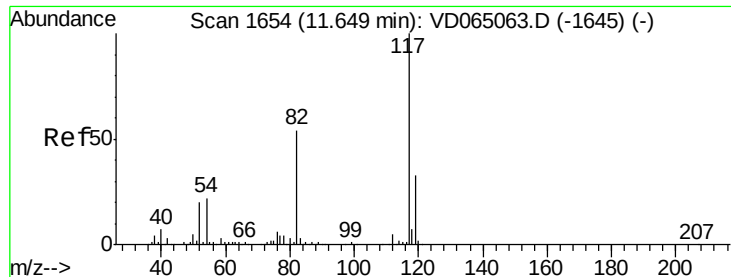
50000

0

12.60 12.64 12.70

Time-->

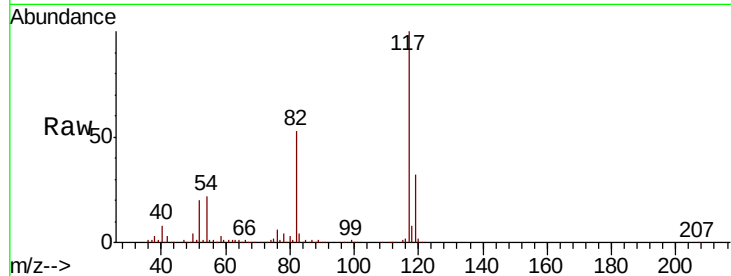




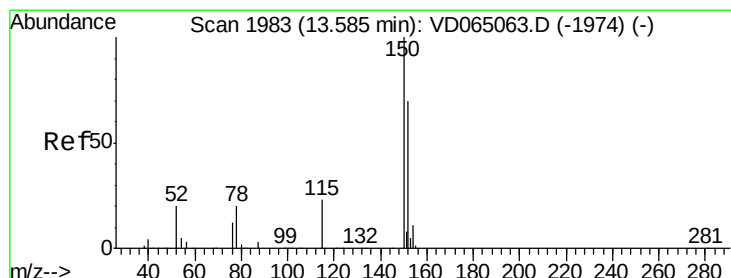
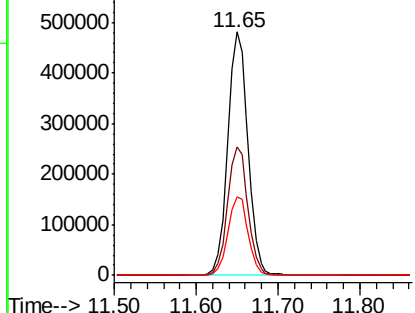
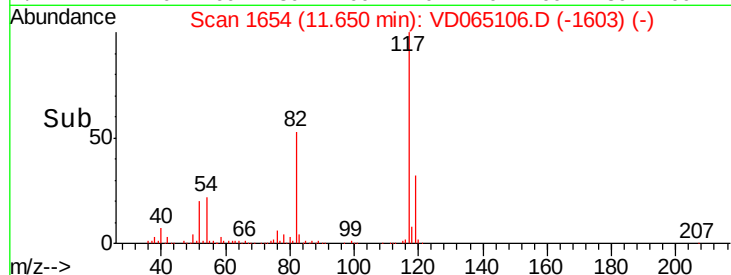
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065106.D
Acq: 07 Feb 2020 13:26

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 822086
Ion Ratio Lower Upper
117 100
82 52.8 43.1 64.7
119 32.0 26.0 39.0

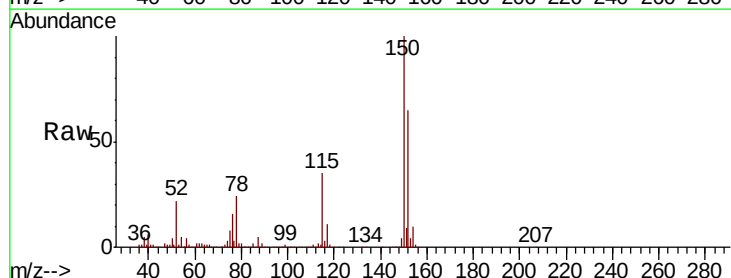


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

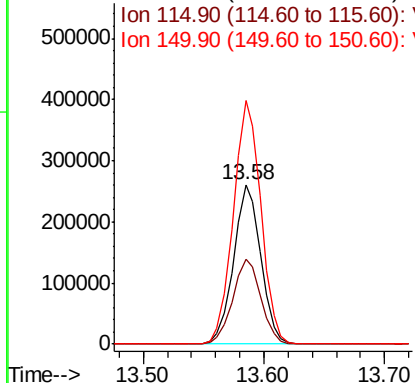
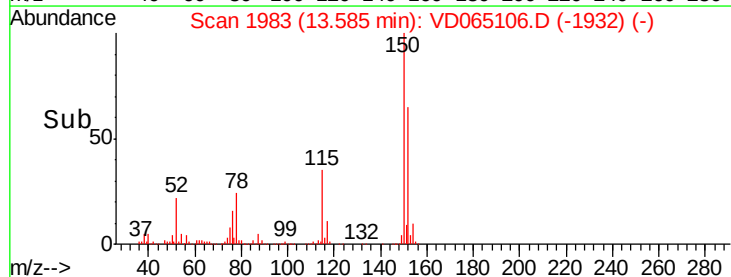


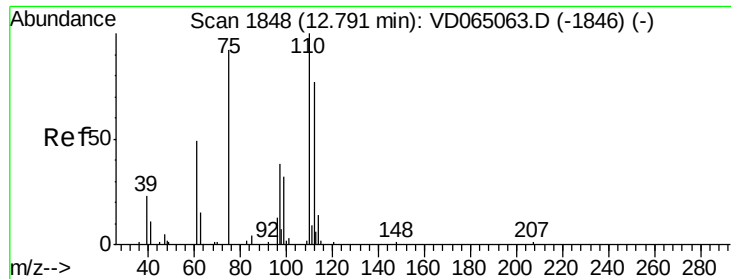
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065106.D
Acq: 07 Feb 2020 13:26

Tgt Ion:152 Resp: 406839
Ion Ratio Lower Upper
152 100
115 55.1 27.5 82.4
150 155.8 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: 61.353 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

Instrument :

MSVOA_D

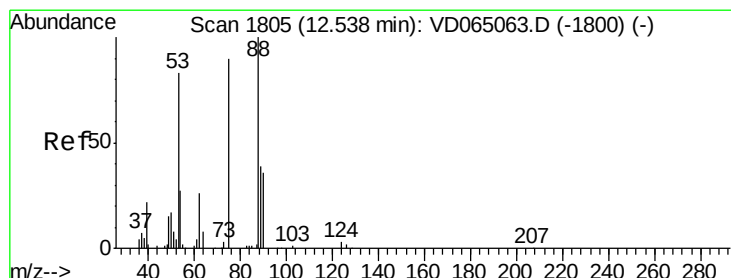
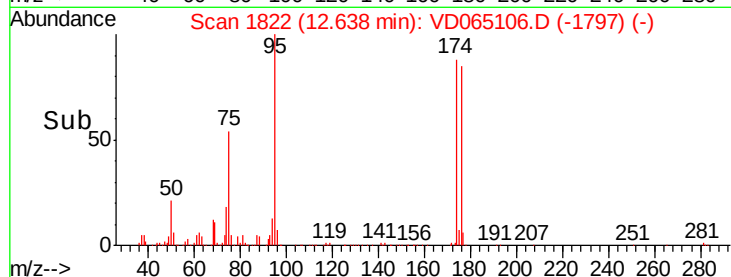
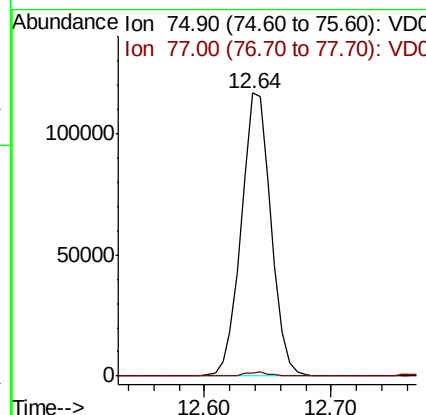
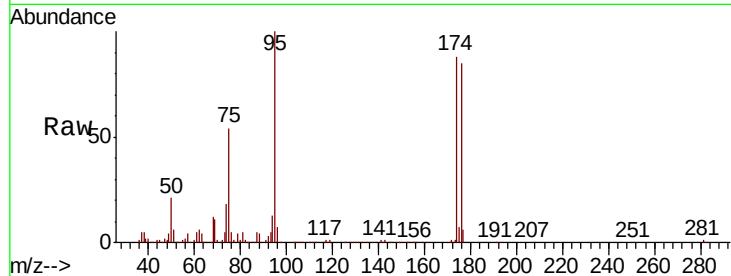
ClientSampled :

Tot Ion: 75 Resp: 188978

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.700 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065106.D

Acq: 07 Feb 2020 13:26

Tgt Ion: 75 Resp: 188978

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 37.0 55.4#

