

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032720\
 Data File : VD065544.D
 Acq On : 27 Mar 2020 15:15
 Operator : VA/SY
 Sample : L2040-01RE
 Misc : 7.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 30 06:34:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 01:47:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	908491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	901139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	424971	50.00	ug/l	0.00

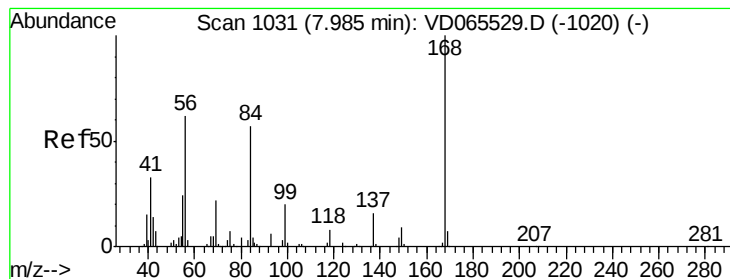
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	277971	69.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.36%	
35) Dibromofluoromethane	7.92	113	311047	55.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.94%	
50) Toluene-d8	10.34	98	1111290	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.64	95	366268	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	56	Below Cal	#	42
3) Chloromethane	2.20	50	531	Below Cal		94
5) Bromomethane	2.78	94	707	Below Cal	#	47
16) Acetone	4.17	43	1986	2.619	ug/l	98
20) Methylene Chloride	4.97	84	11158	Below Cal	#	88
31) Cyclohexane	7.98	56	8736	1.157	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	33815	4.074	ug/l #	47
38) Carbon Tetrachloride	7.98	117	44098	5.044	ug/l #	16
51) 4-Methyl-2-Pentanone	10.34	43	4685	1.609	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	176334	53.971	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	176334	120.473	ug/l #	13
95) Naphthalene	15.41	128	1723	4.443	ug/l #	82

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

Instrument :

MSVOA_D

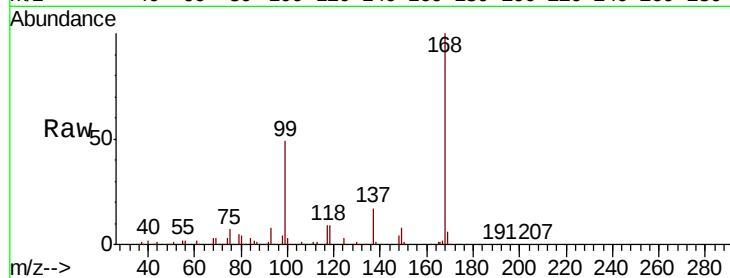
ClientSampleId :

Tot Ion:168 Resp: 482717

Ion Ratio Lower Upper

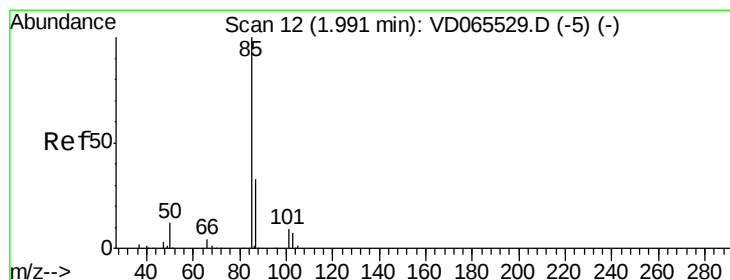
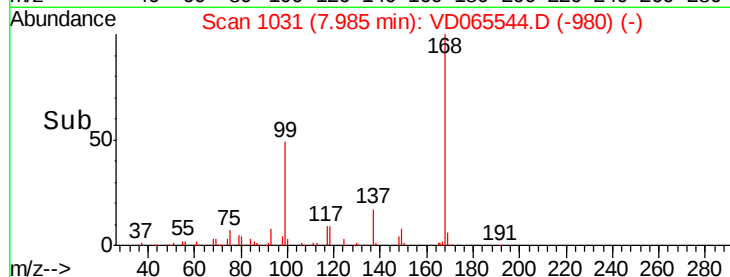
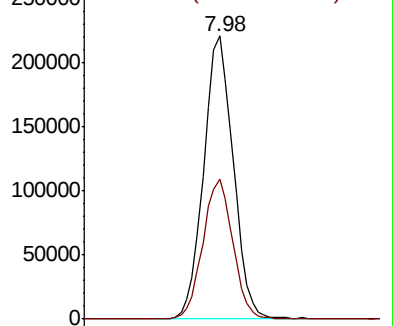
168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD065544.D

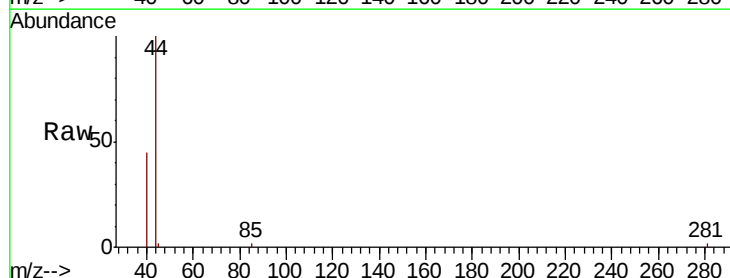
Acq: 27 Mar 2020 15:15

Tgt Ion: 85 Resp: 56

Ion Ratio Lower Upper

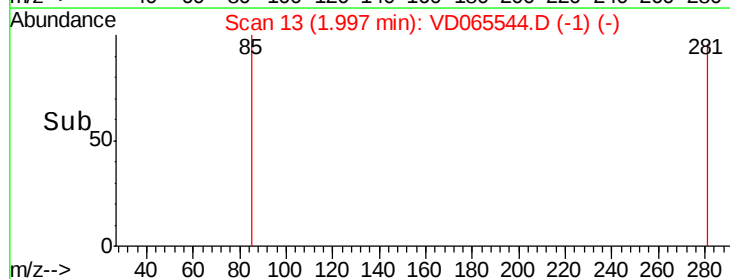
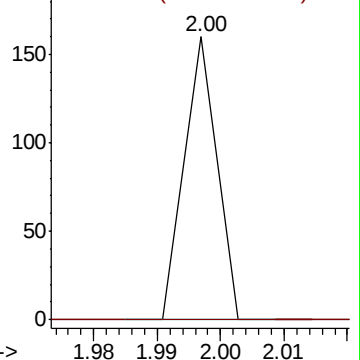
85 100

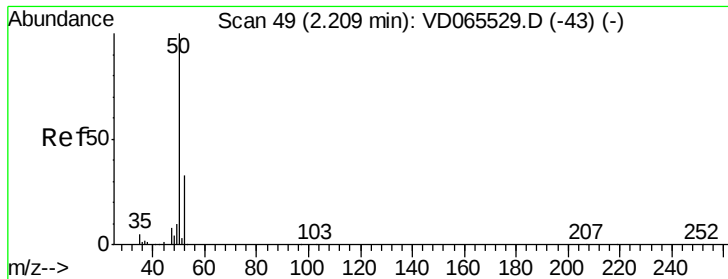
87 0.0 16.4 49.2#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

Instrument :

MSVOA_D

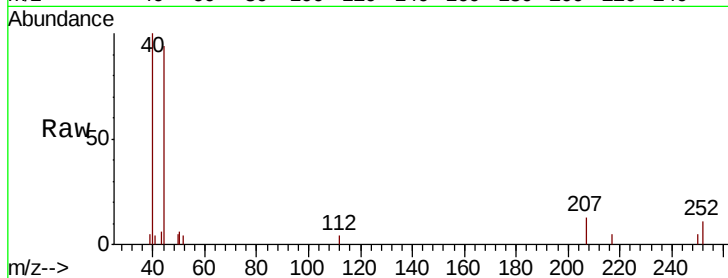
ClientSampled :

Tot Ion: 50 Resp: 531

Ion Ratio Lower Upper

50 100

52 36.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

400

300

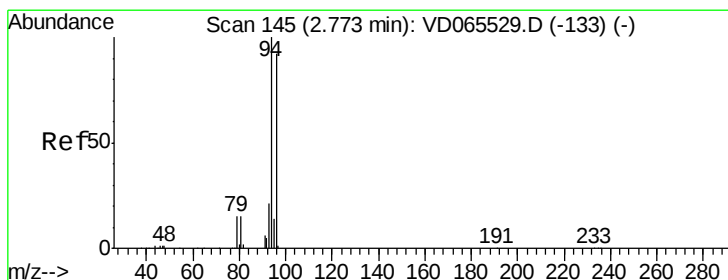
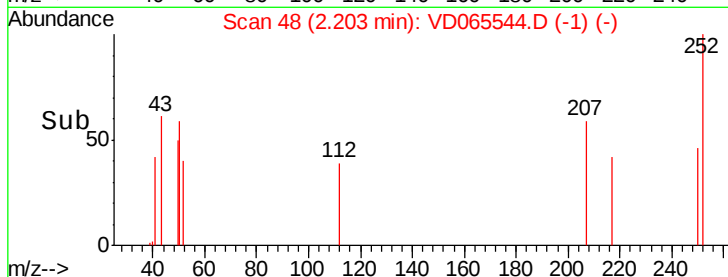
200

100

0

2.18 2.20 2.22 2.24 2.26

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065544.D

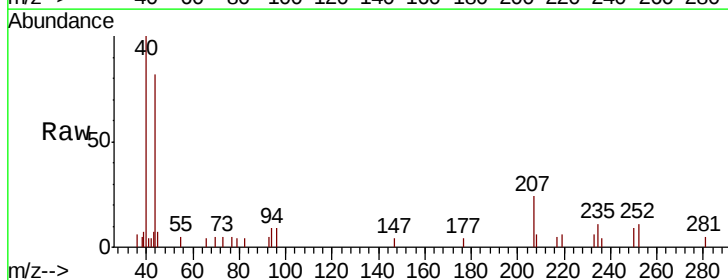
Acq: 27 Mar 2020 15:15

Tgt Ion: 94 Resp: 707

Ion Ratio Lower Upper

94 100

96 41.1 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

600

500

400

300

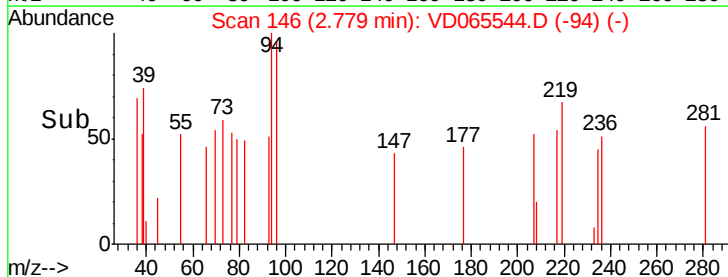
200

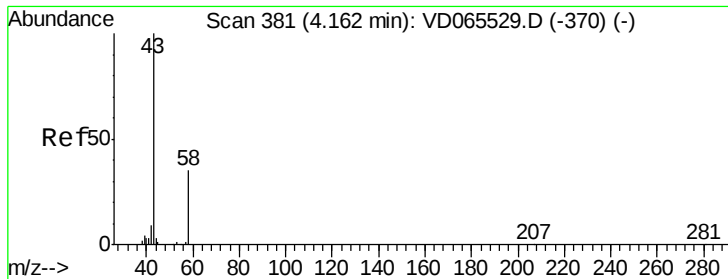
100

0

2.75 2.80

Time-->

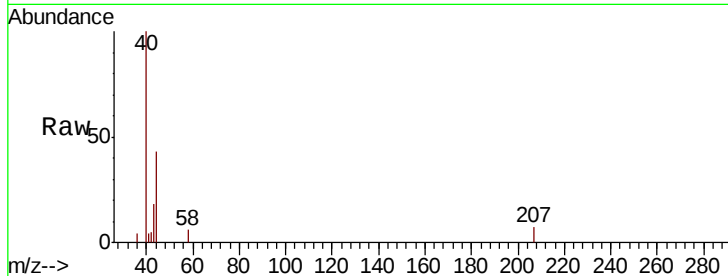




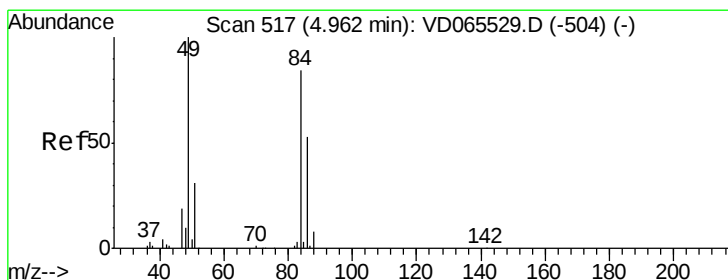
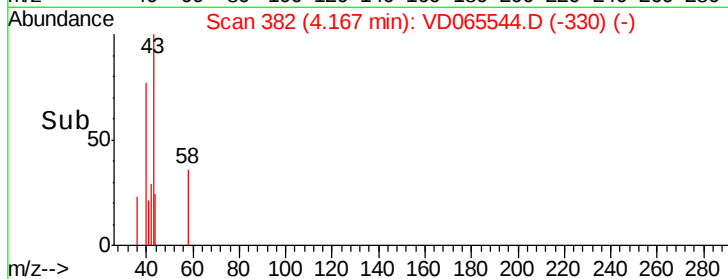
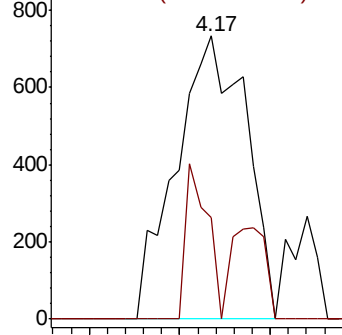
#16
Acetone
Concen: 2.619 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.01 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
58 36.0 27.9 41.9

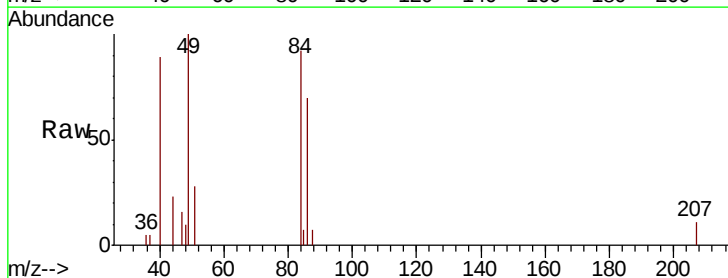


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

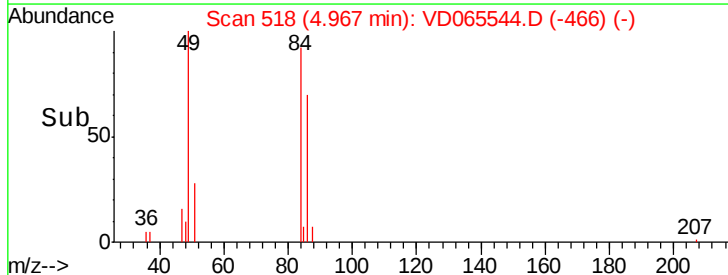
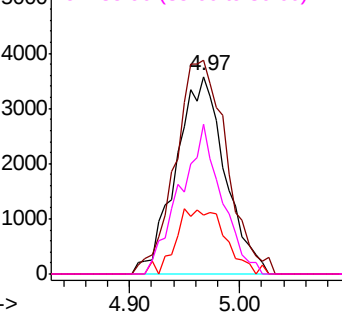


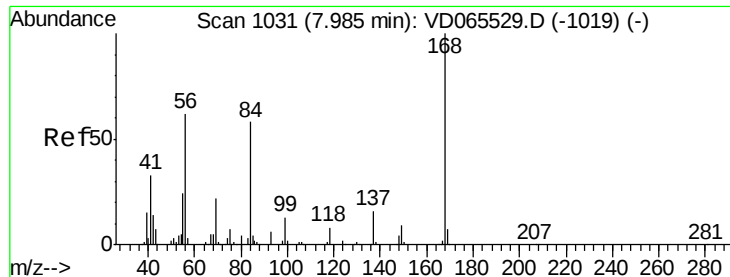
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

Tgt Ion: 84 Resp: 11158
Ion Ratio Lower Upper
84 100
49 108.3 95.6 143.4
51 29.9 29.4 44.2
86 76.0 50.6 76.0#



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

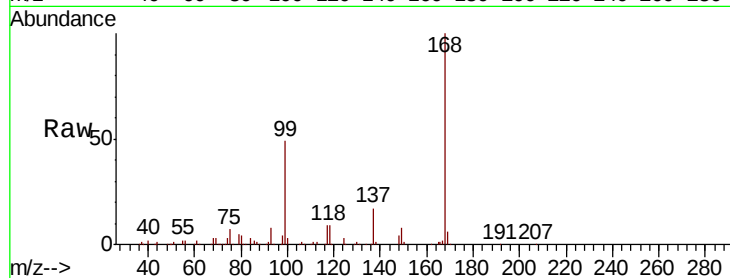




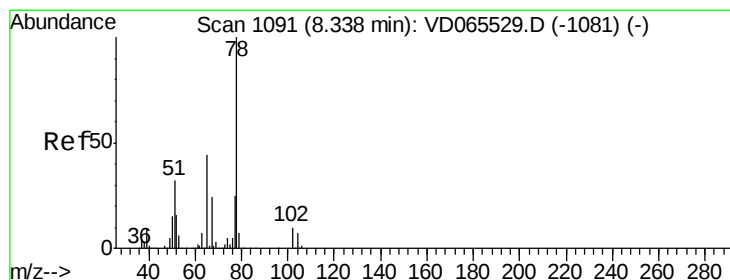
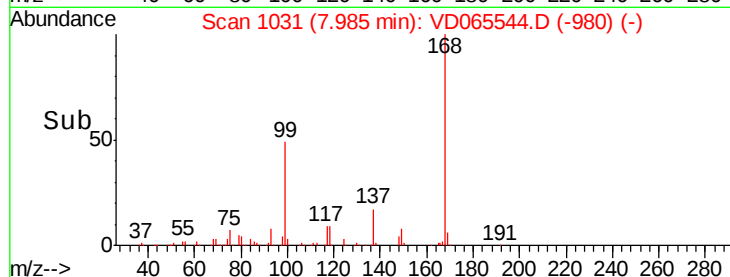
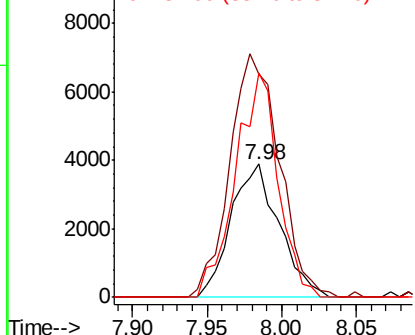
#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 8736
Ion Ratio Lower Upper
56 100
69 167.9 28.2 42.4#
84 168.3 73.4 110.0#

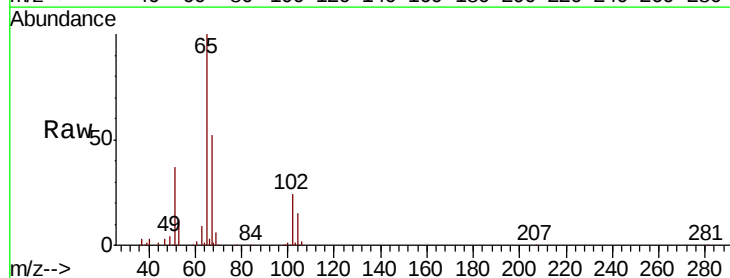


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

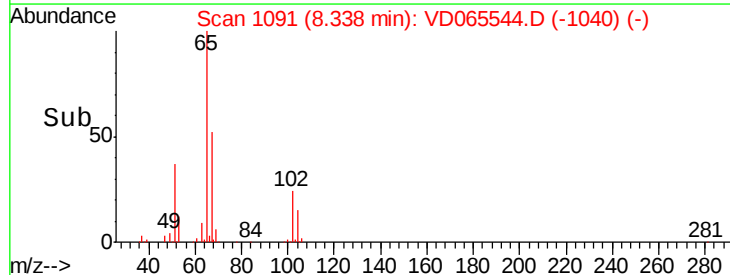
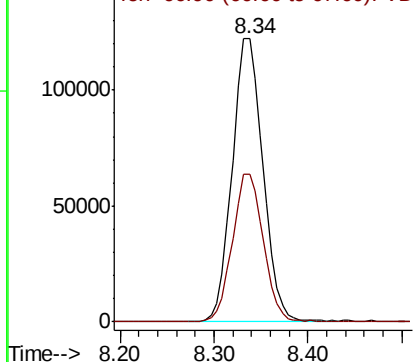


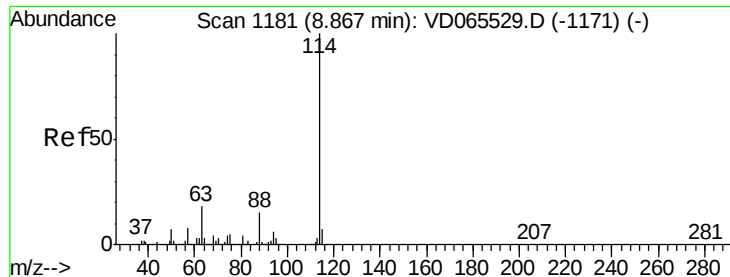
#33
1,2-Dichloroethane-d4
Concen: 69.177 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

Tgt Ion: 65 Resp: 277971
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.6



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

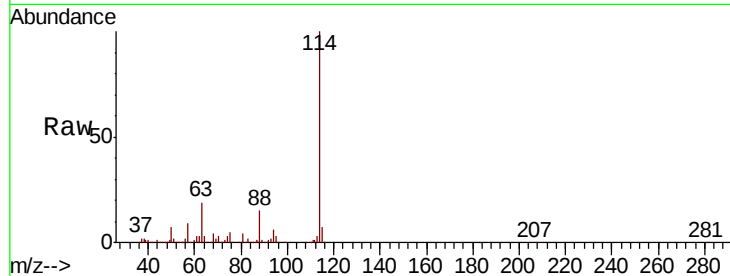




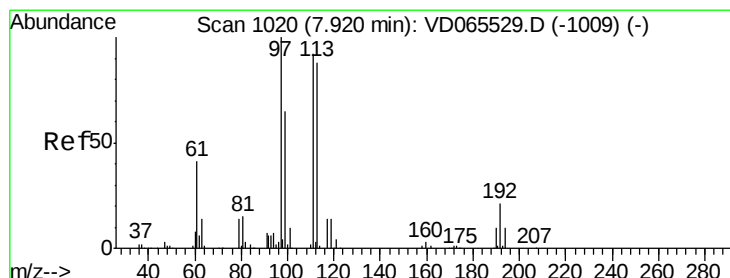
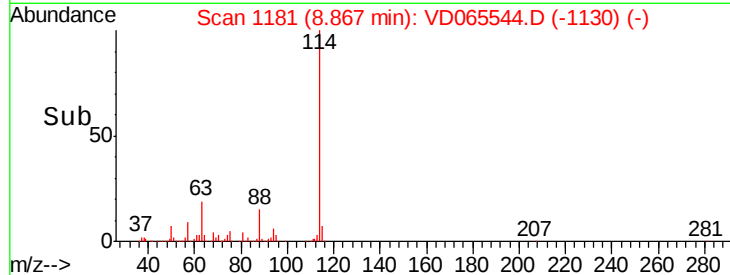
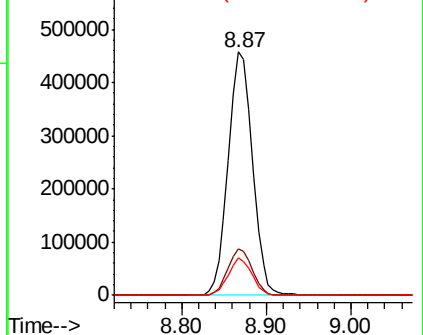
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065544.D
 Acq: 27 Mar 2020 15:15

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 908491
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.0
 88 15.2 0.0 30.4

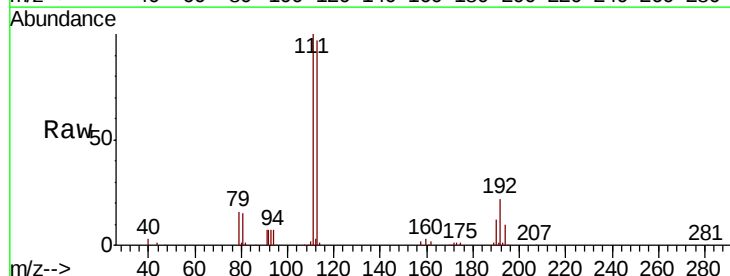


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

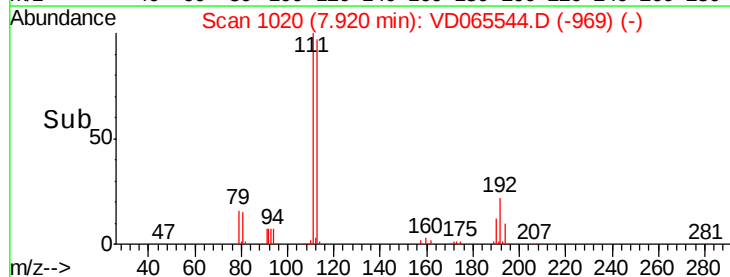
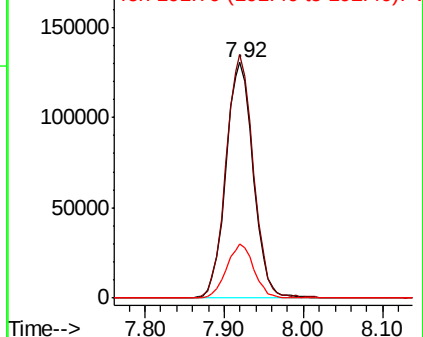


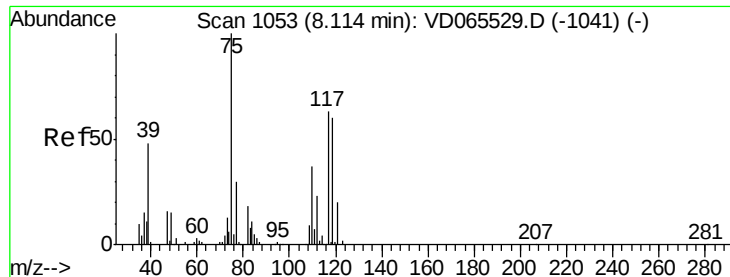
#35
 Dibromofluoromethane
 Concen: 55.469 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065544.D
 Acq: 27 Mar 2020 15:15

Tgt Ion:113 Resp: 311047
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.3 124.9
 192 22.8 18.5 27.7



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

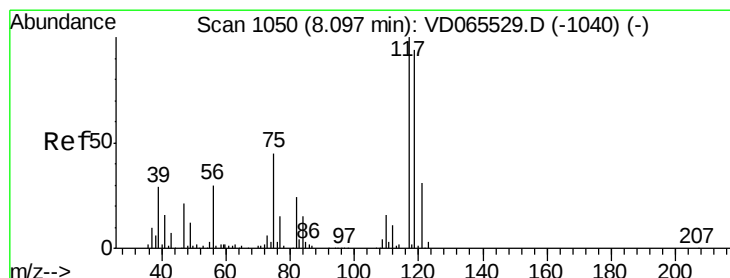
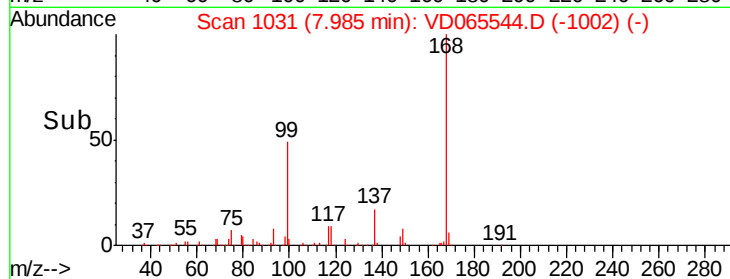
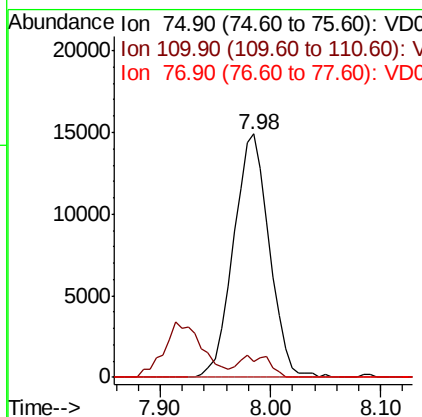
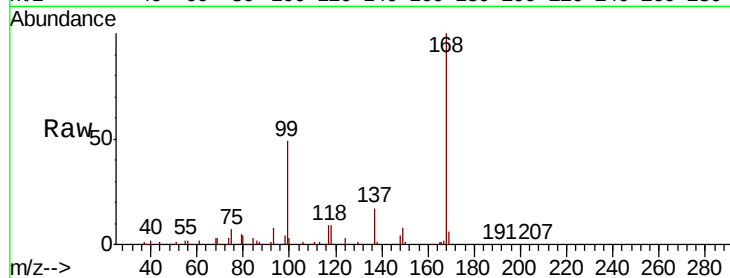




#36
 1,1-Dichloropropene
 Concen: 4.074 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065544.D
 Acq: 27 Mar 2020 15:15

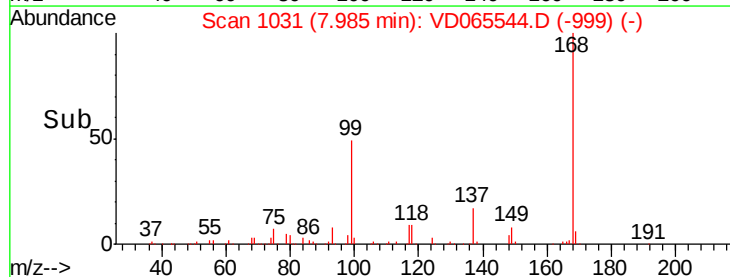
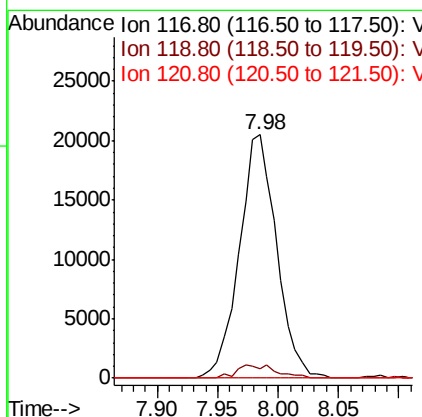
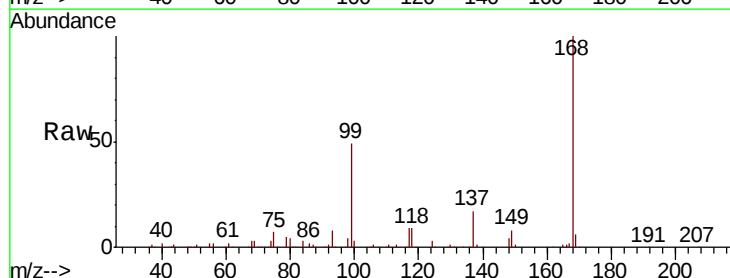
Instrument :
 MSVOA_D
 ClientSampleId :

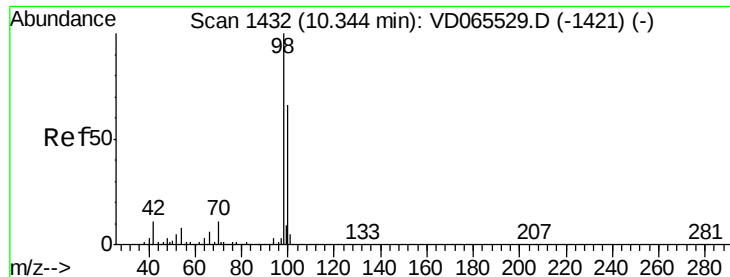
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.8	56.4#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.044 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD065544.D
 Acq: 27 Mar 2020 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.2	112.8#
121	0.0	24.5	36.7#





#50

Toluene-d8

Concen: 52.786 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

Instrument :

MSVOA_D

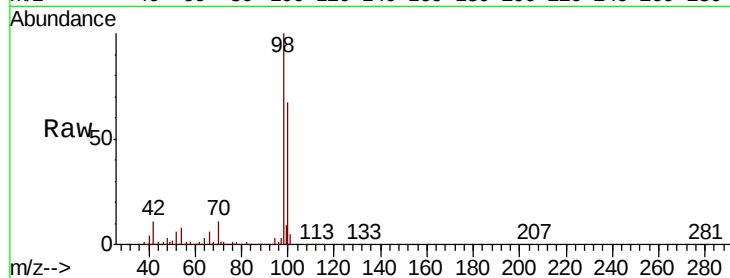
ClientSampleId :

Tot Ion: 98 Resp: 1111290

Ion Ratio Lower Upper

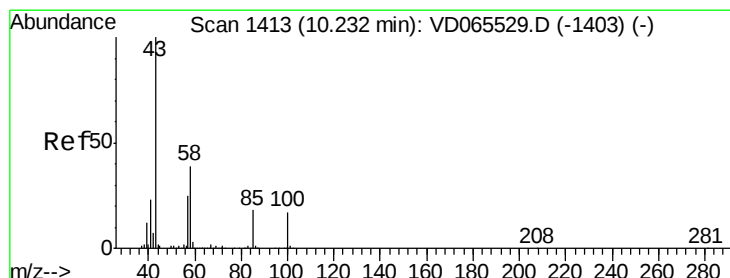
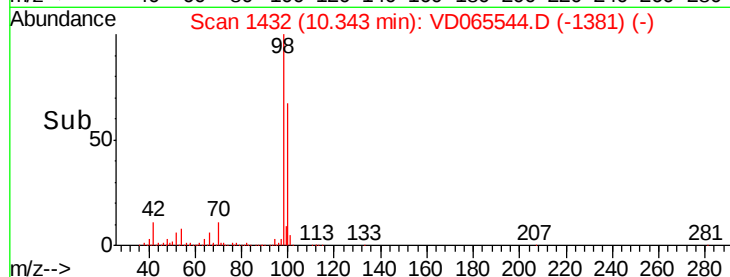
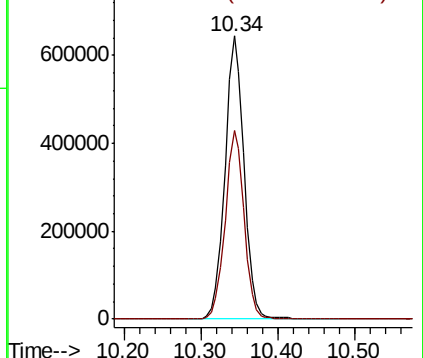
98 100

100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#51

4-Methyl-2-Pentanone

Concen: 1.609 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.11 min

Lab File: VD065544.D

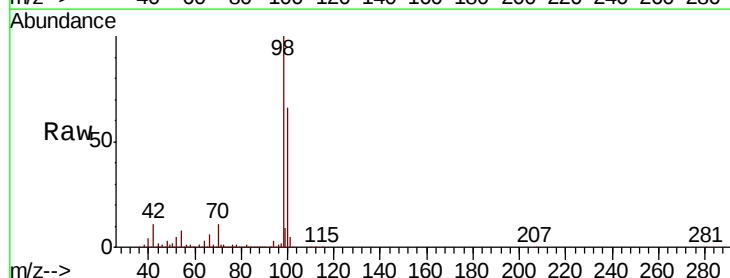
Acq: 27 Mar 2020 15:15

Tgt Ion: 43 Resp: 4685

Ion Ratio Lower Upper

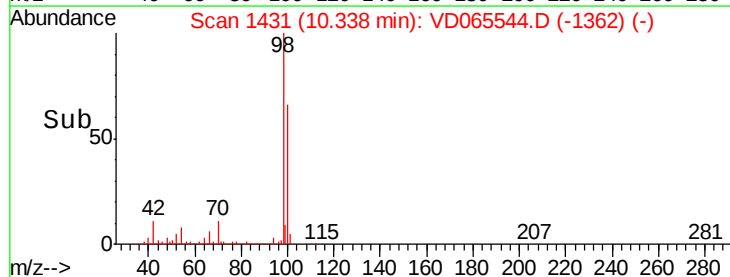
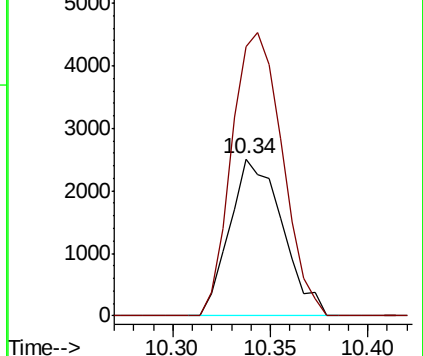
43 100

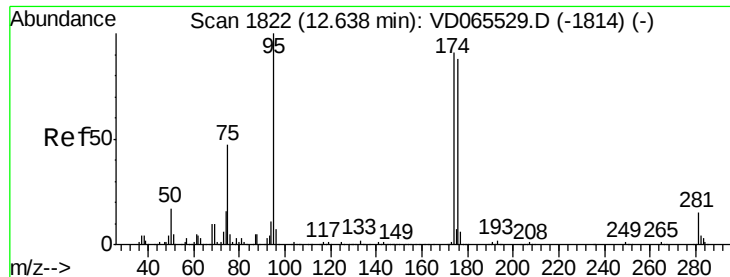
58 173.5 31.4 47.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

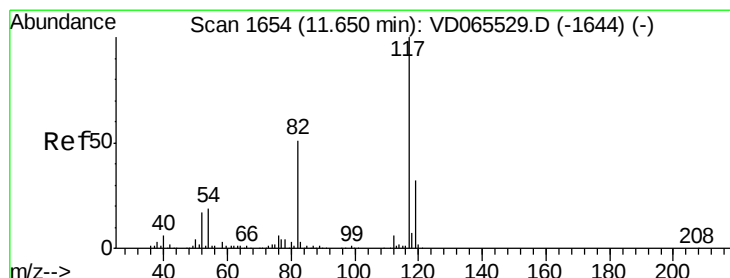
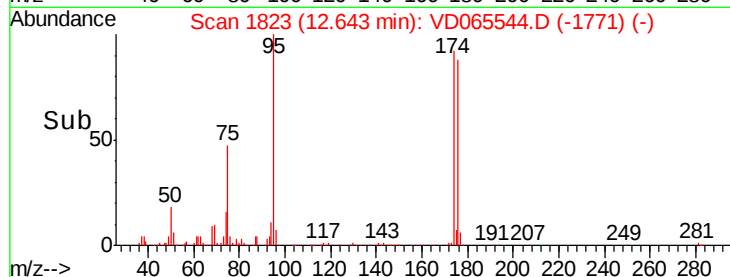
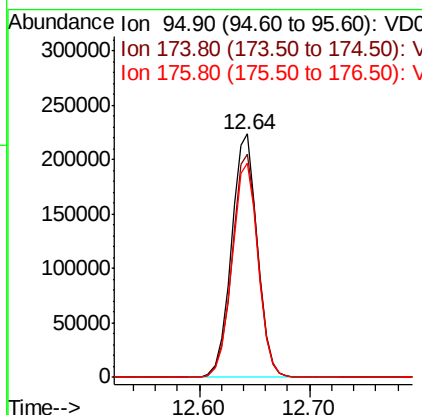
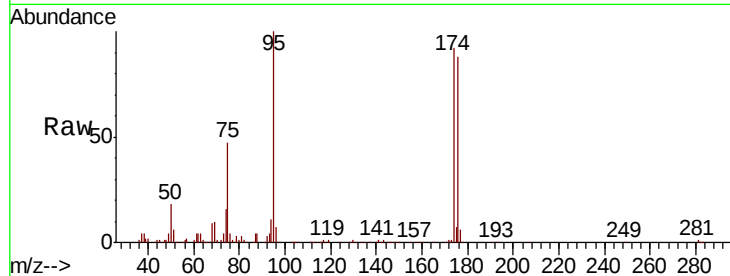




#62
4-Bromofluorobenzene
Concen: 54.815 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

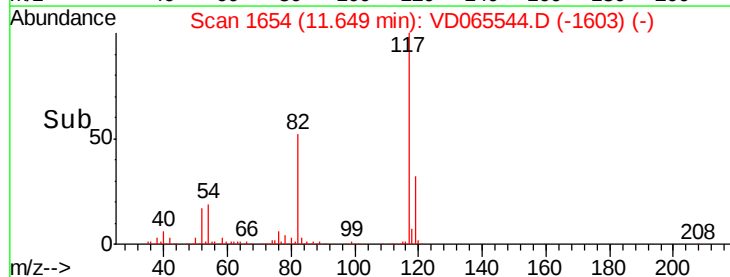
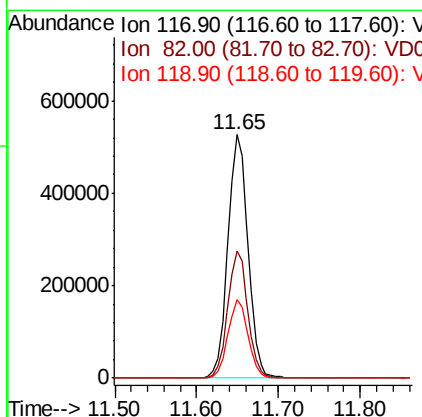
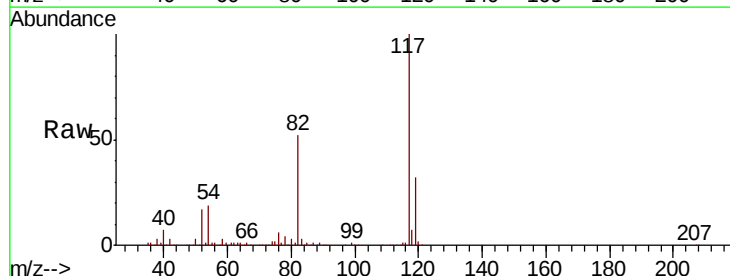
Instrument :
MSVOA_D
ClientSampleId :

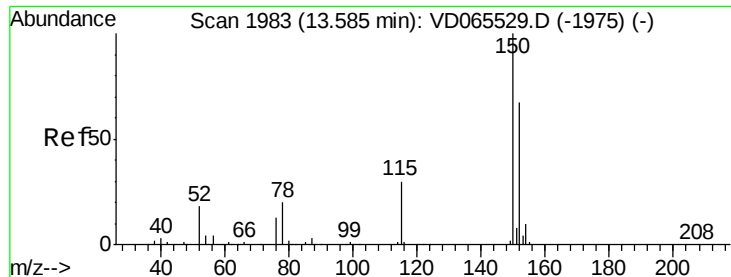
Tot Ion: 95 Resp: 366268
Ion Ratio Lower Upper
95 100
174 92.4 0.0 183.8
176 88.9 0.0 178.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065544.D
Acq: 27 Mar 2020 15:15

Tgt Ion: 117 Resp: 901139
Ion Ratio Lower Upper
117 100
82 52.4 41.0 61.6
119 32.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

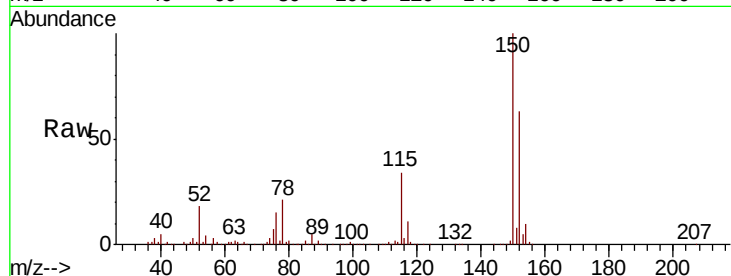
Tot Ion:152 Resp: 424971

Ion Ratio Lower Upper

152 100

115 54.1 27.2 81.6

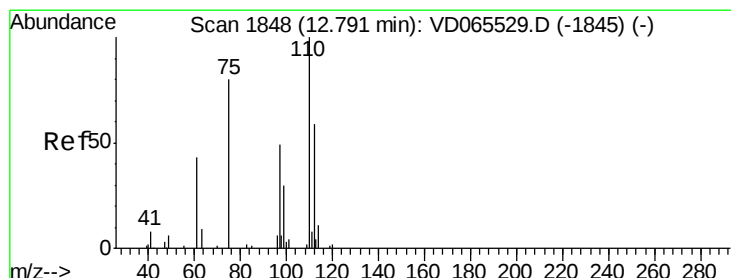
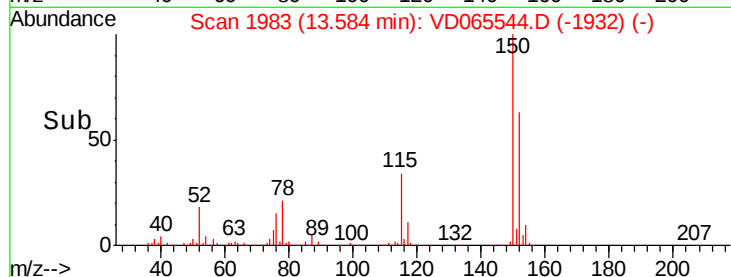
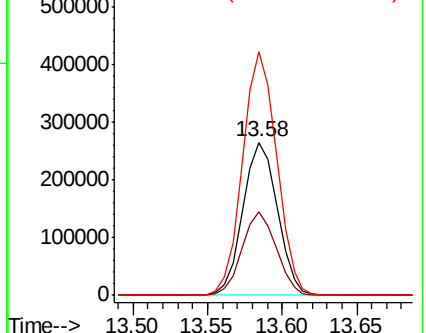
150 157.4 0.0 340.2



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: 53.971 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065544.D

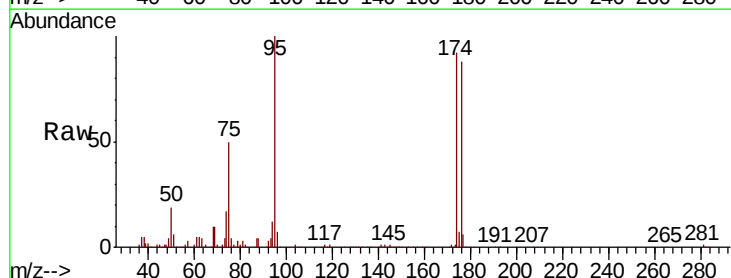
Acq: 27 Mar 2020 15:15

Tgt Ion: 75 Resp: 176334

Ion Ratio Lower Upper

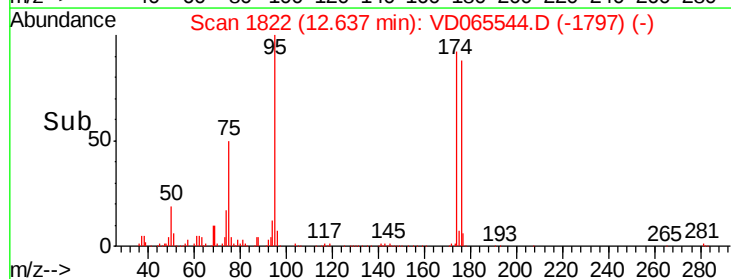
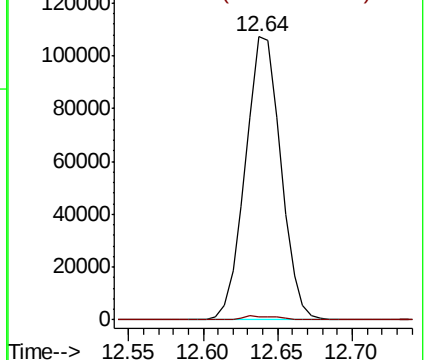
75 100

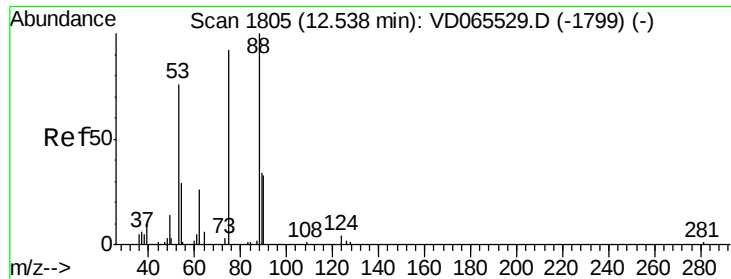
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 120.473 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

Instrument :

MSVOA_D

ClientSampleId :

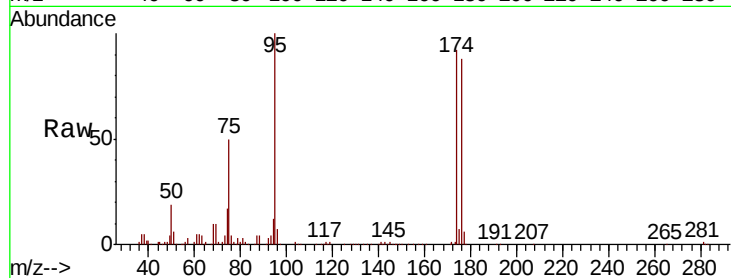
Tot Ion: 75 Resp: 176334

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

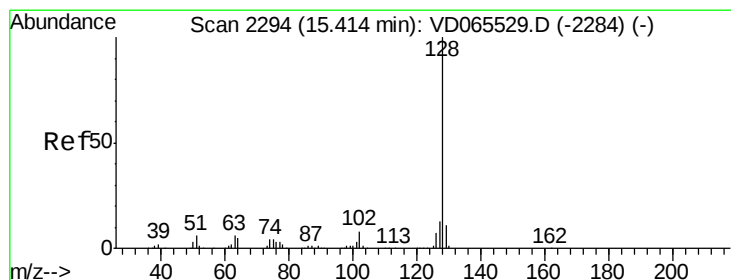
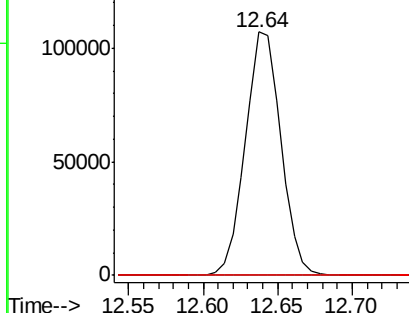
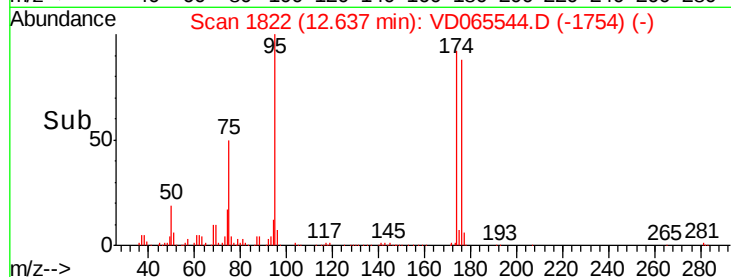
89 0.0 36.9 55.3#



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



#95

Naphthalene

Concen: 4.443 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065544.D

Acq: 27 Mar 2020 15:15

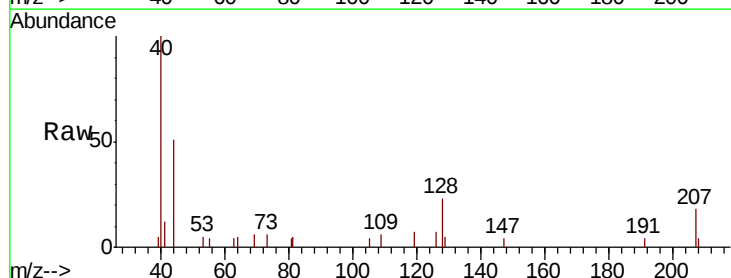
Tgt Ion:128 Resp: 1723

Ion Ratio Lower Upper

128 100

127 5.9 10.4 15.6#

129 4.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

