

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065647.D
 Acq On : 17 Apr 2020 16:26
 Operator : VA/SY
 Sample : L2327-05
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 20 07:01:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	222169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	353206	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	348324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168796	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	116412	61.60	ug/l	0.00
Spiked Amount			Recovery	=	123.20%	
35) Dibromofluoromethane	7.92	113	121727	55.37	ug/l	0.00
Spiked Amount			Recovery	=	110.74%	
50) Toluene-d8	10.34	98	435921	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.64	95	139964	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	

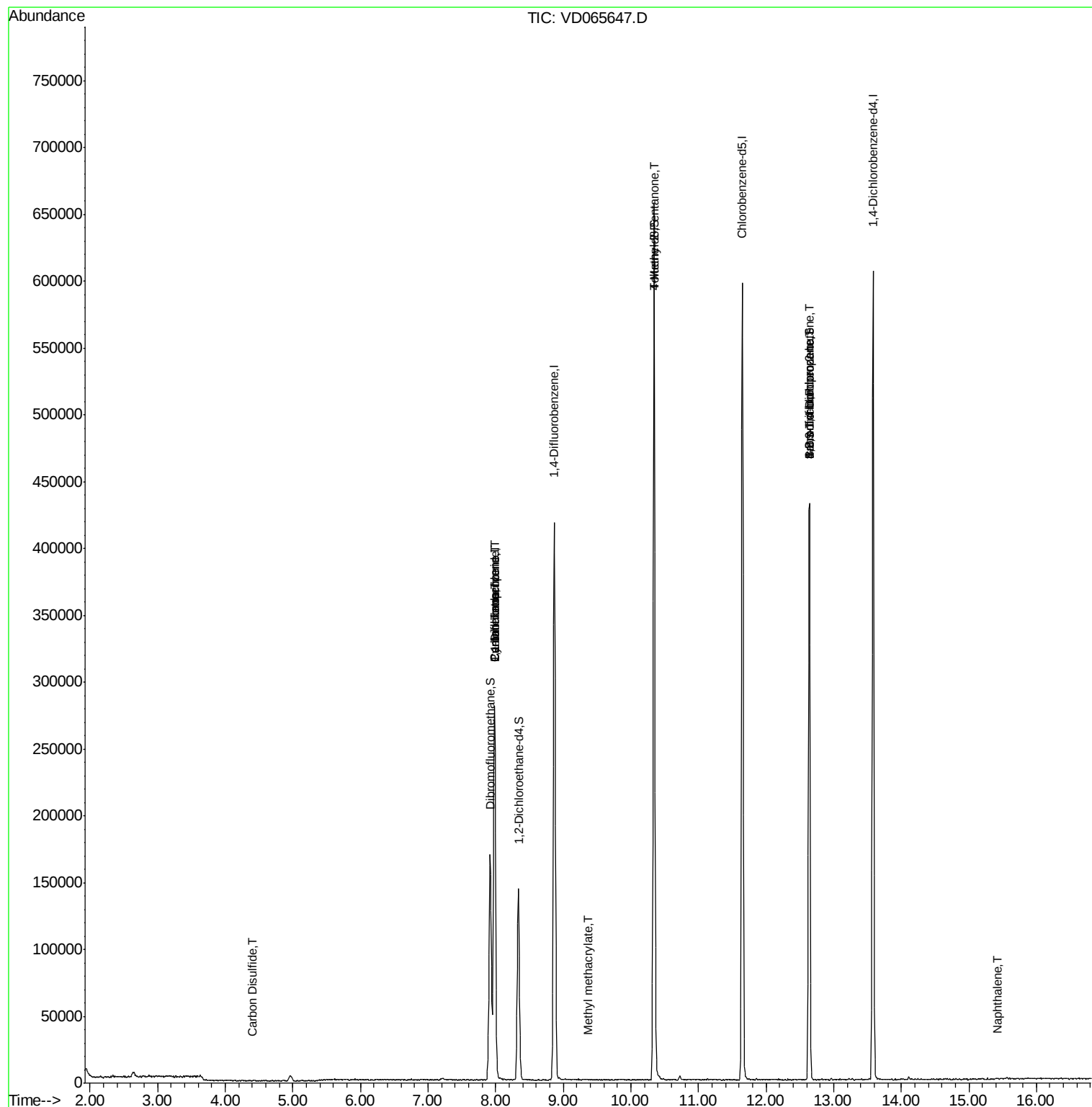
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.40	76	379	6.072	ug/l #	75
20) Methylene Chloride	4.96	84	3073	Below Cal		88
31) Cyclohexane	7.98	56	4436	1.246	ug/l #	14
36) 1,1-Dichloropropene	7.98	75	15874	4.654	ug/l #	49
38) Carbon Tetrachloride	7.98	117	20379	5.578	ug/l #	18
48) Methyl methacrylate	9.37	41	62	1.764	ug/l #	15
51) 4-Methyl-2-Pentanone	10.34	43	1915	11.023	ug/l #	1
71) Bromoform	12.64	173	1483	1.001	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	68412	50.408	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	68412	110.475	ug/l #	11
95) Naphthalene	15.42	128	478	4.187	ug/l #	69

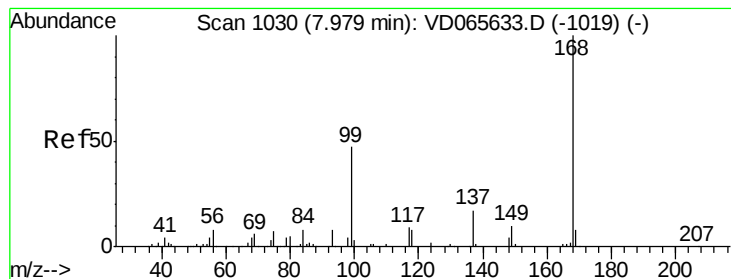
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD041720\
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ClientSampleId :

Quant Time: Apr 20 07:01:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 15 19:43:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

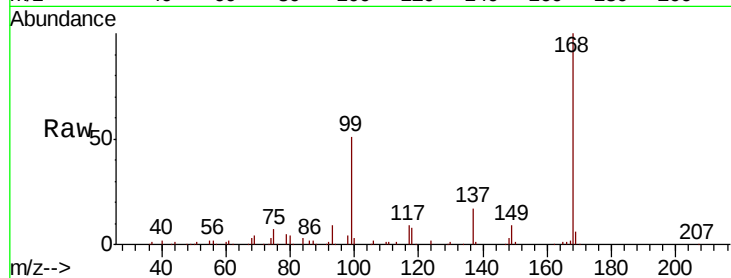
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 222169

Ion Ratio Lower Upper

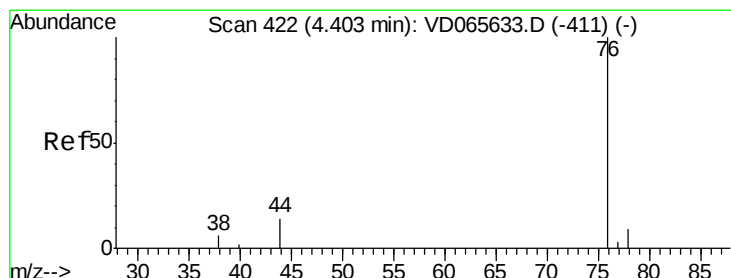
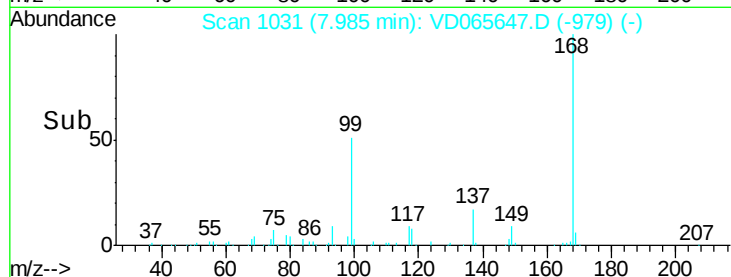
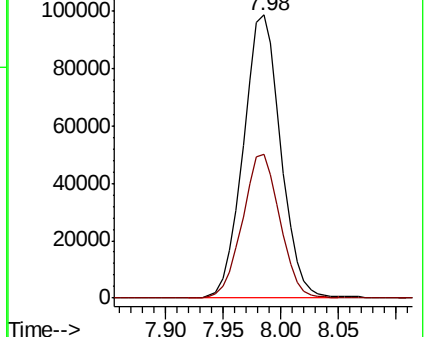
168 100

99 50.9 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#17

Carbon Disulfide

Concen: 6.072 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD065647.D

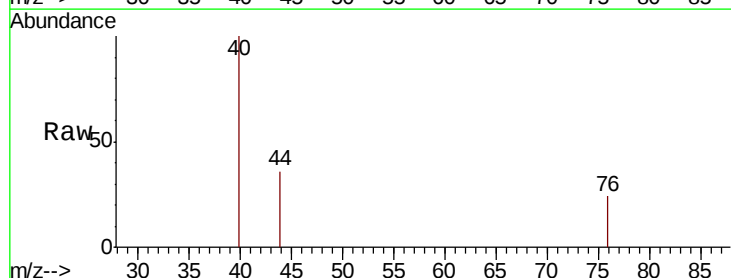
Acq: 17 Apr 2020 16:26

Tgt Ion: 76 Resp: 379

Ion Ratio Lower Upper

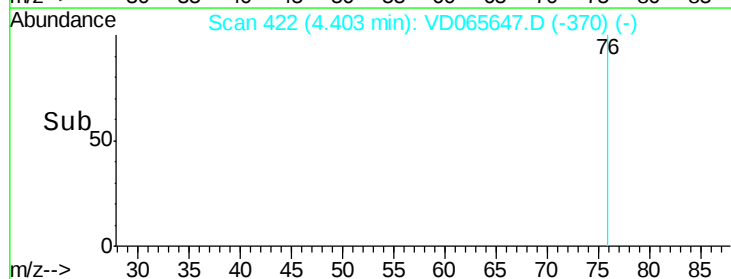
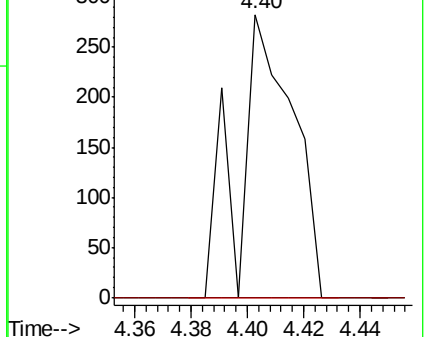
76 100

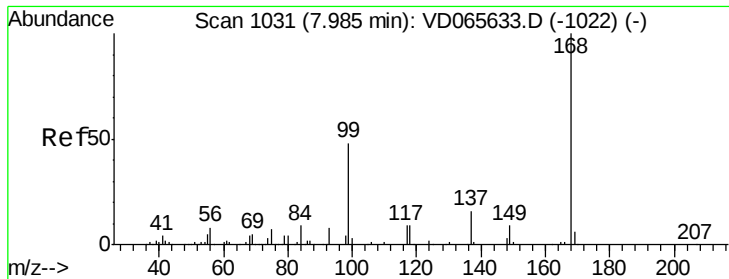
78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

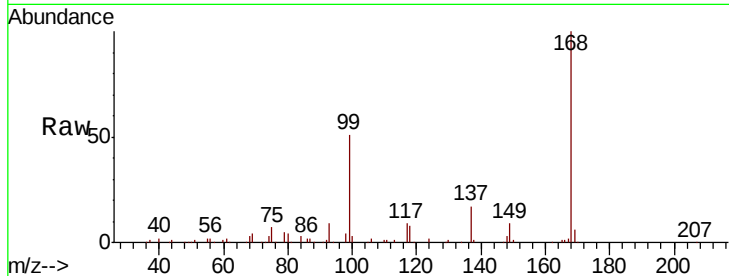




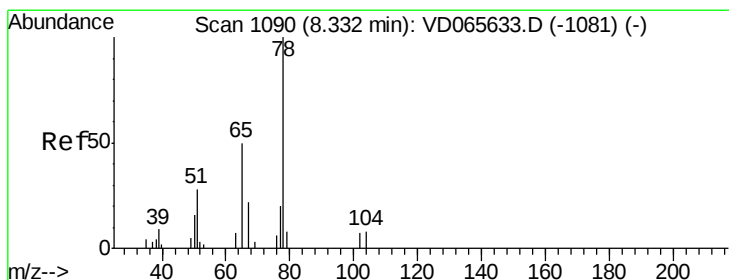
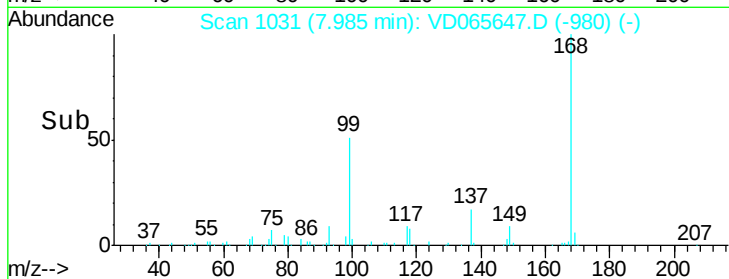
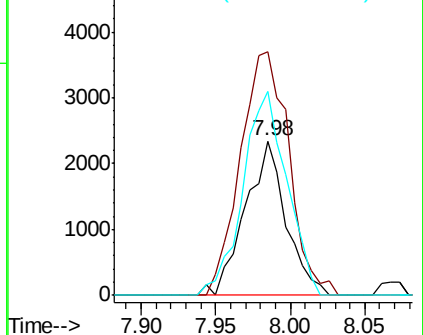
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065647.D
Acq: 17 Apr 2020 16:26

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 4436
Ion Ratio Lower Upper
56 100
69 157.6 26.6 40.0#
84 132.1 75.3 112.9#

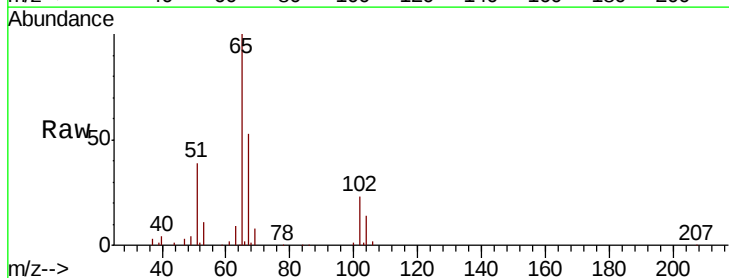


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

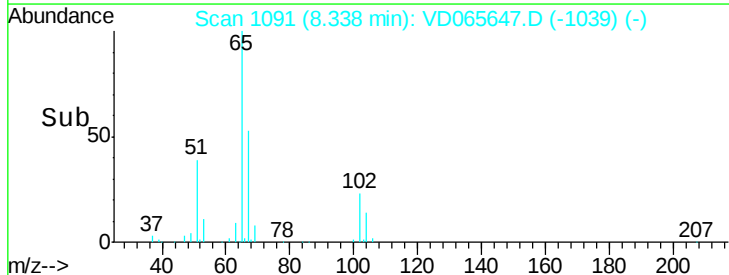
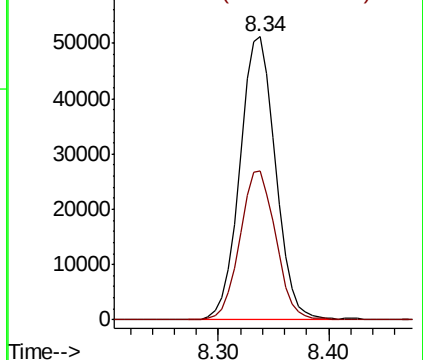


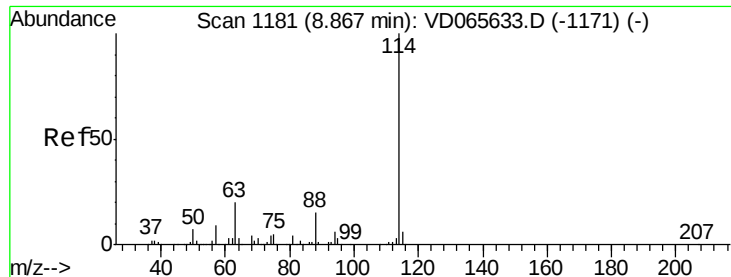
#33
1,2-Dichloroethane-d4
Concen: 61.595 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VD065647.D
Acq: 17 Apr 2020 16:26

Tgt Ion: 65 Resp: 116412
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



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

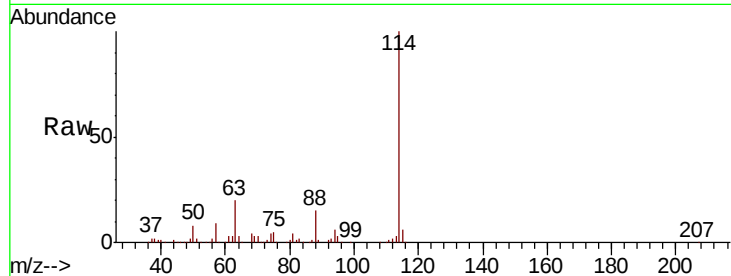




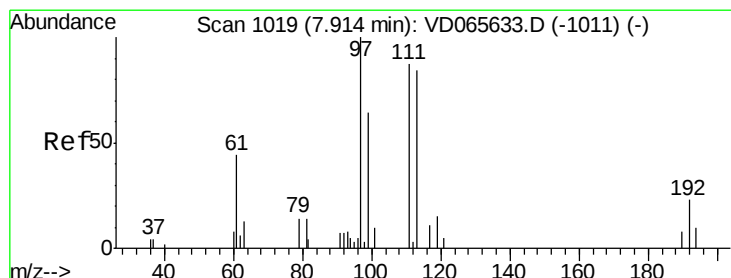
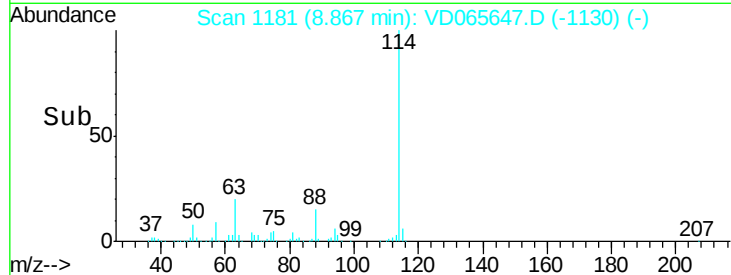
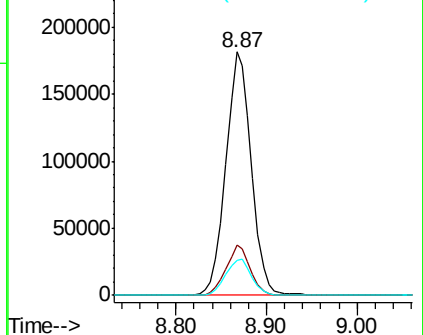
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065647.D
 Acq: 17 Apr 2020 16:26

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.8
88	14.5	0.0	31.6

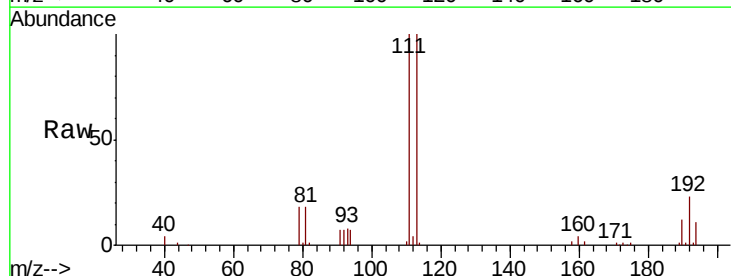


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

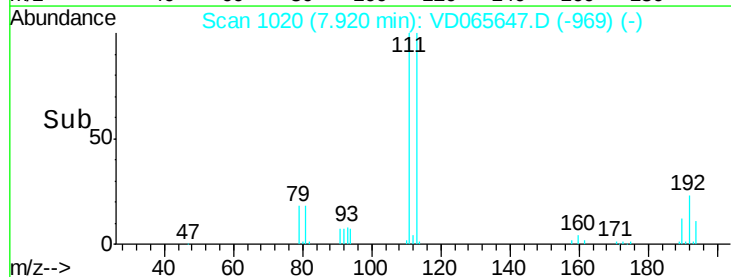
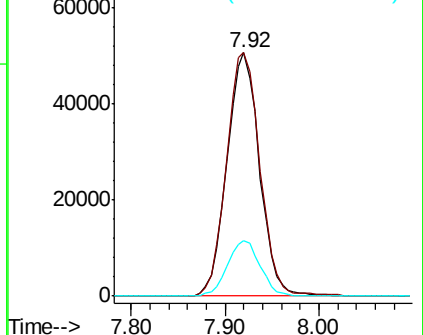


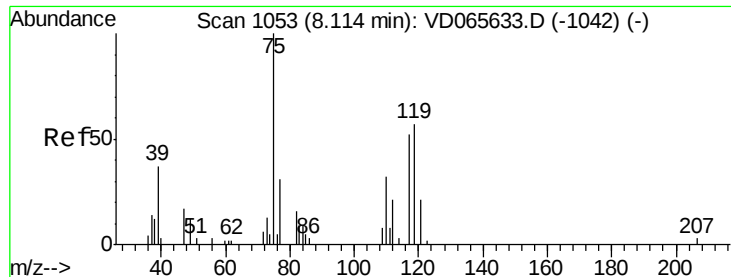
#35
 Dibromofluoromethane
 Concen: 55.374 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065647.D
 Acq: 17 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.9	122.9
192	22.8	18.9	28.3



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

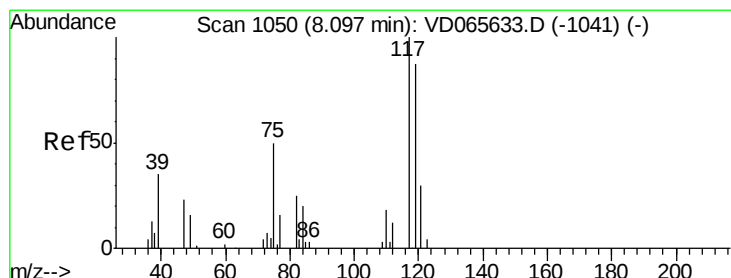
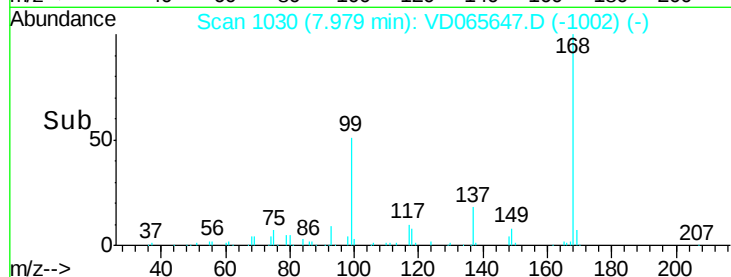
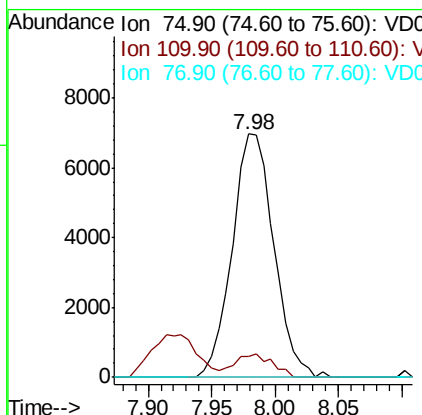
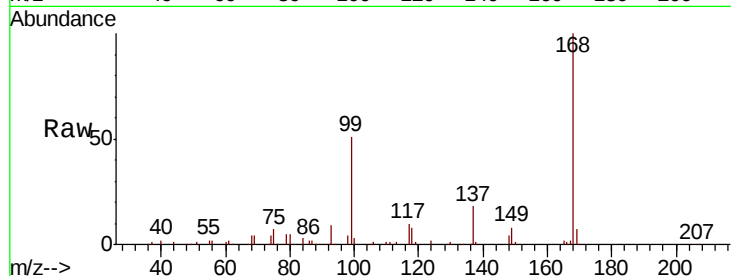




#36
 1,1-Dichloropropene
 Concen: 4.654 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD065647.D
 Acq: 17 Apr 2020 16:26

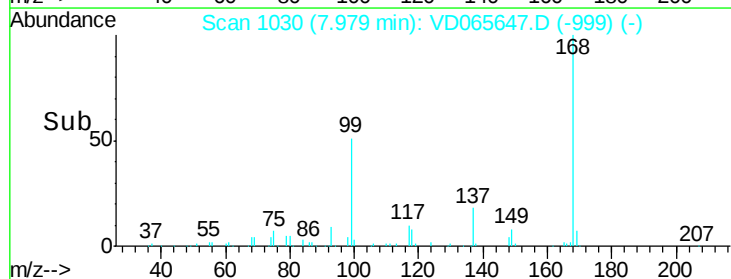
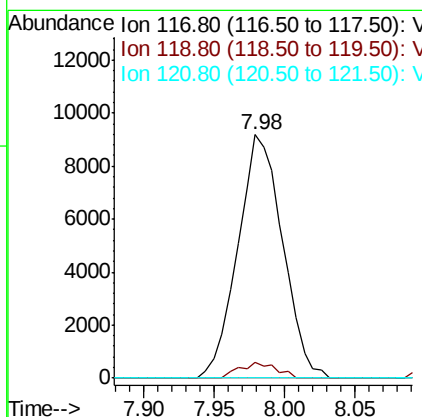
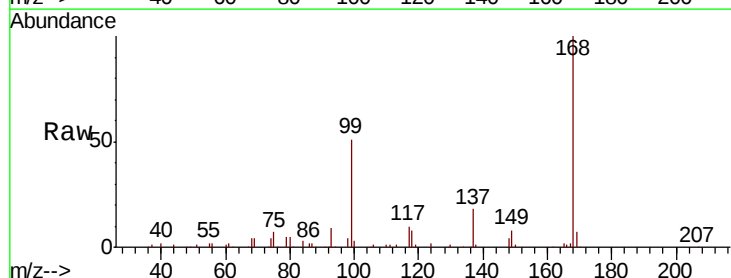
Instrument :
 MSVOA_D
 ClientSampled :

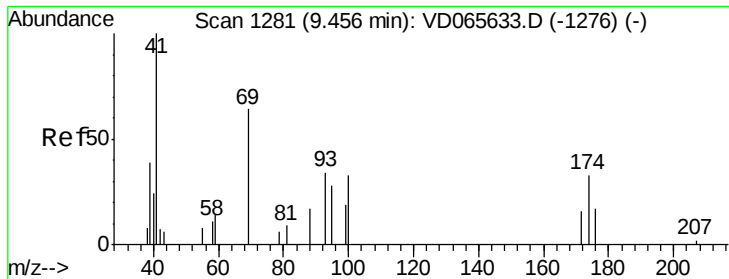
Tot Ion	75	Resp	15874
Ion Ratio	100	Lower	Upper
75	100		
110	8.8	18.3	54.8#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.578 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD065647.D
 Acq: 17 Apr 2020 16:26

Tgt Ion	117	Resp	20379
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	6.4	75.3	112.9#
121	0.0	24.9	37.3#





#48

Methyl methacrylate

Concen: 1.764 ug/l

RT: 9.37 min Scan# 1267

Delta R.T. -0.09 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

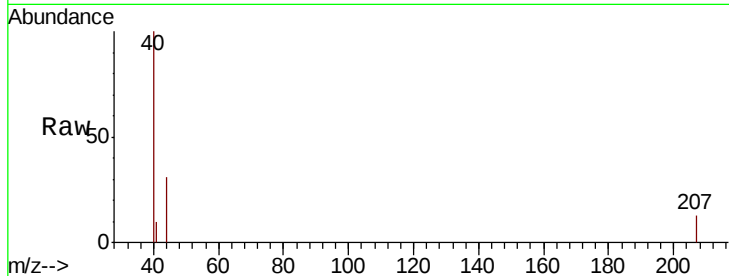
Tot Ion: 41 Resp: 62

Ion Ratio Lower Upper

41 100

69 0.0 66.8 100.2#

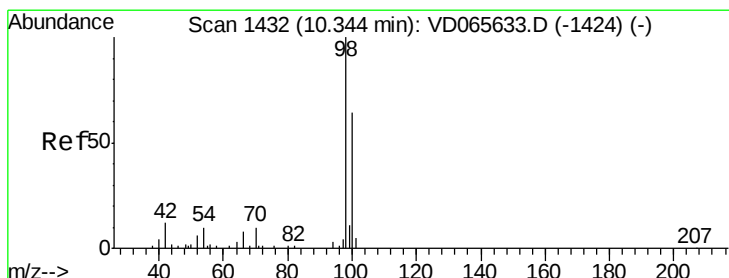
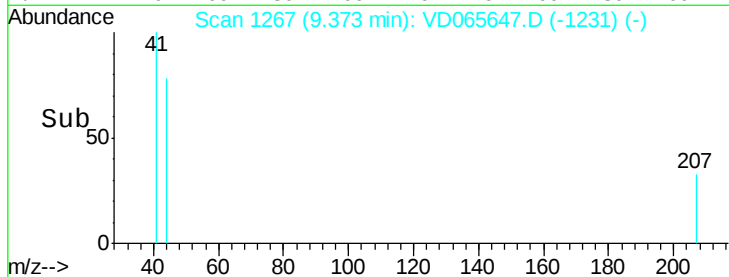
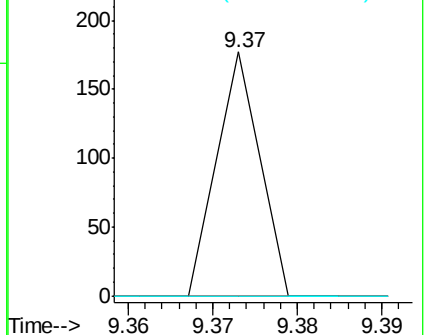
39 0.0 39.6 59.4#



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#50

Toluene-d8

Concen: 53.794 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD065647.D

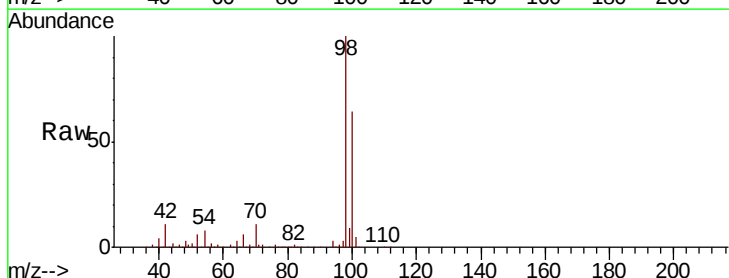
Acq: 17 Apr 2020 16:26

Tgt Ion: 98 Resp: 435921

Ion Ratio Lower Upper

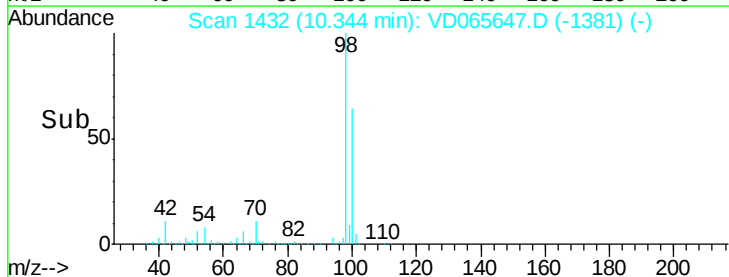
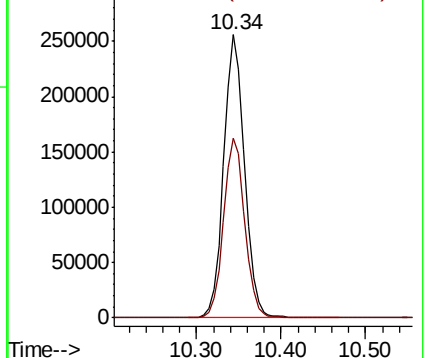
98 100

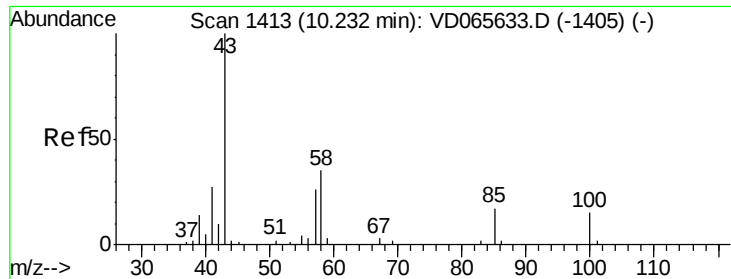
100 64.4 52.4 78.6



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: 11.023 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

Instrument :

MSVOA_D

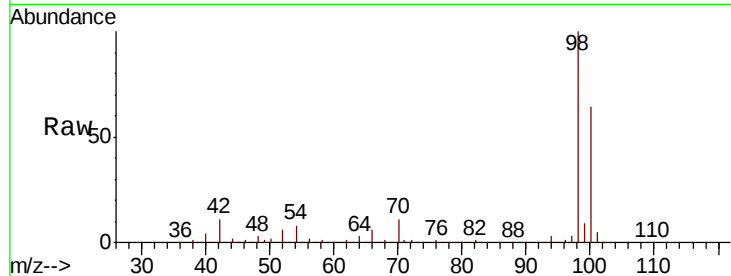
ClientSampleId :

Tot Ion: 43 Resp: 1915

Ion Ratio Lower Upper

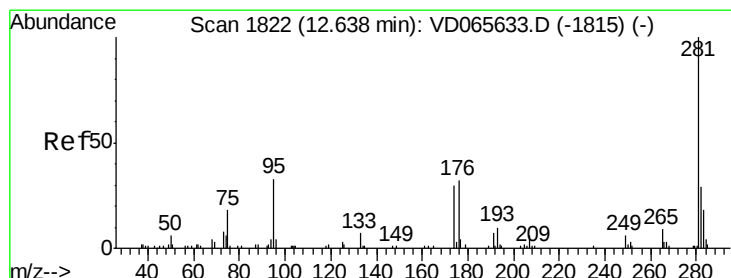
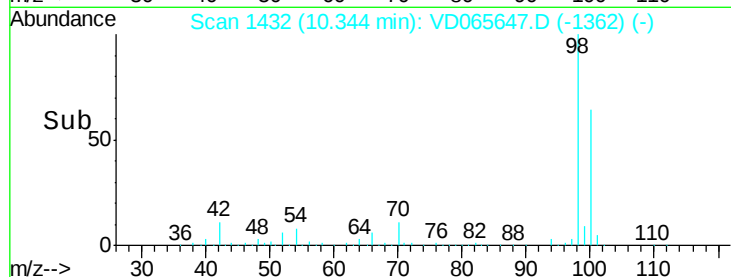
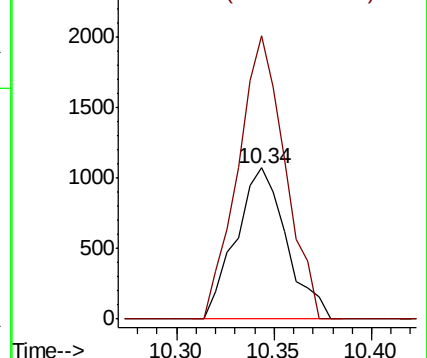
43 100

58 175.0 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#62

4-Bromofluorobenzene

Concen: 51.907 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

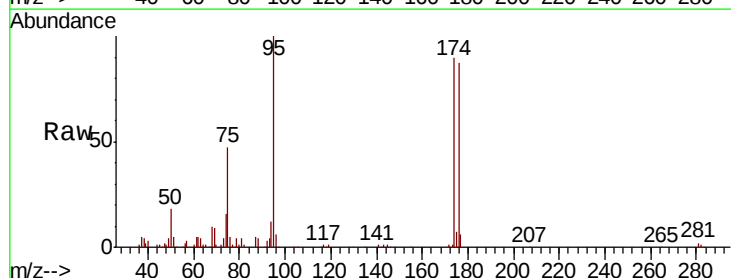
Tgt Ion: 95 Resp: 139964

Ion Ratio Lower Upper

95 100

174 92.7 0.0 183.8

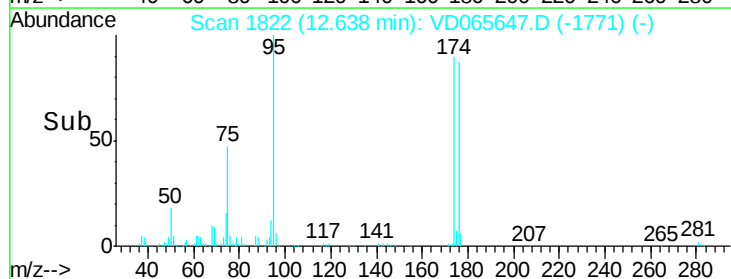
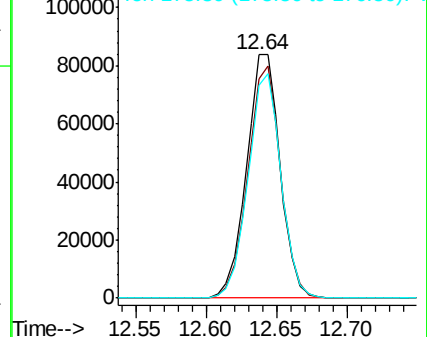
176 90.2 0.0 181.4

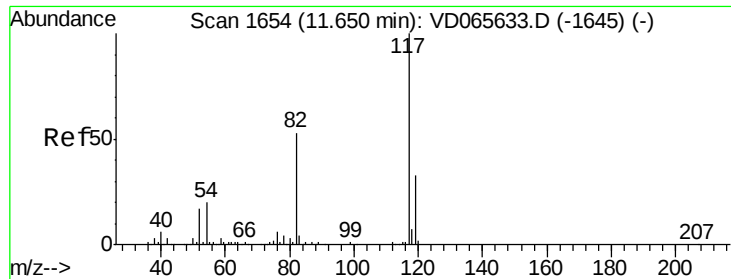


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

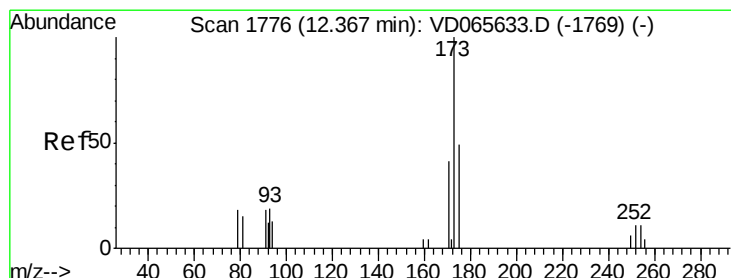
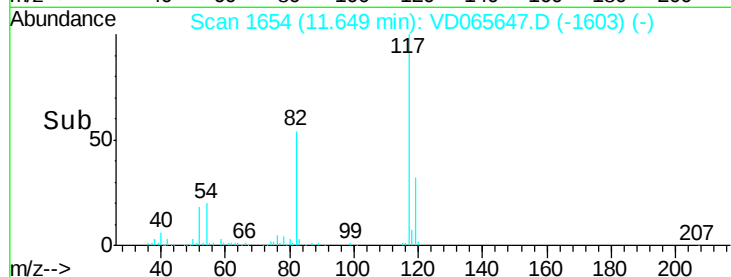
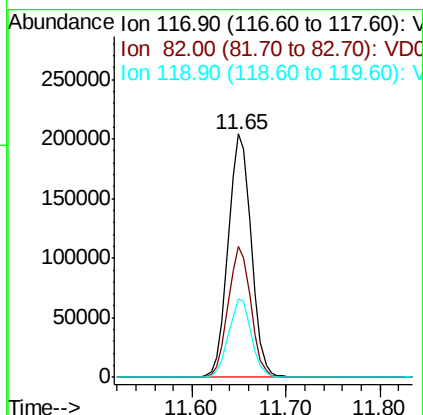
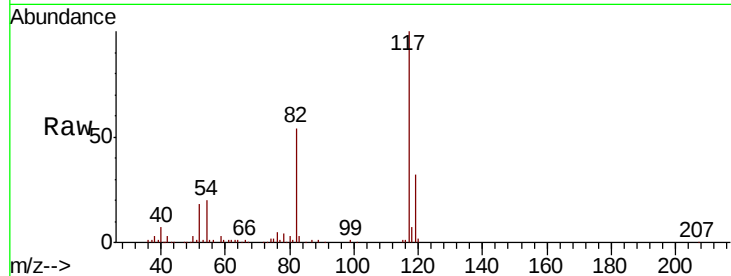




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065647.D
Acq: 17 Apr 2020 16:26

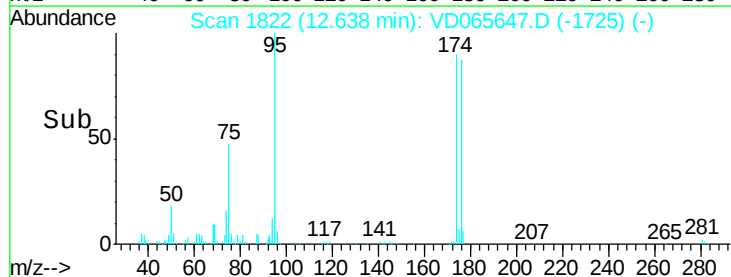
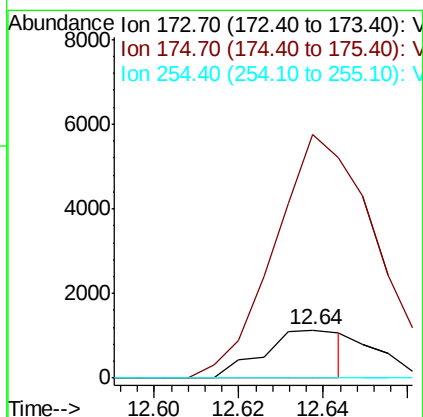
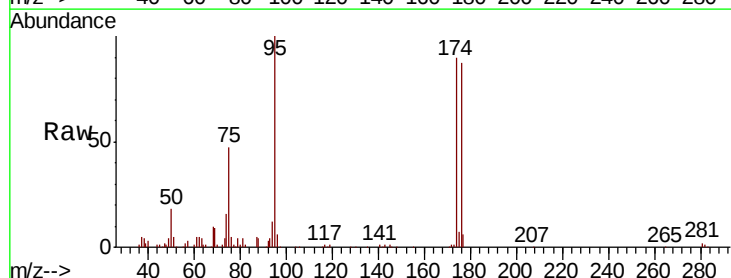
Instrument :
MSVOA_D
ClientSampleId :

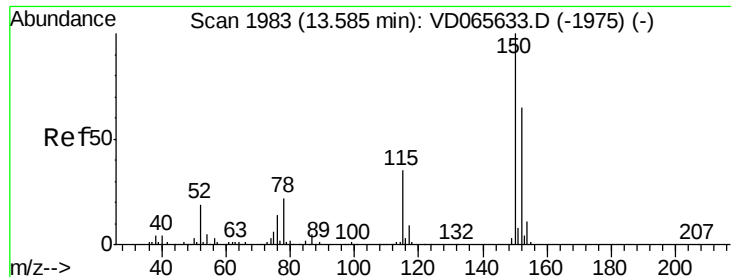
Tot Ion:117 Resp: 348324
Ion Ratio Lower Upper
117 100
82 53.9 43.2 64.8
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.001 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD065647.D
Acq: 17 Apr 2020 16:26

Tgt Ion:173 Resp: 1483
Ion Ratio Lower Upper
173 100
175 444.3 25.1 75.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

Instrument :

MSVOA_D

ClientSampleId :

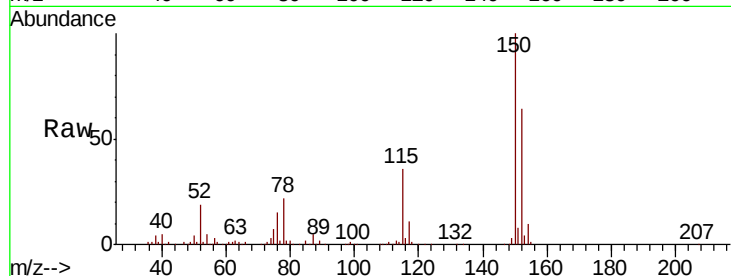
Tot Ion:152 Resp: 168796

Ion Ratio Lower Upper

152 100

115 54.9 27.6 82.7

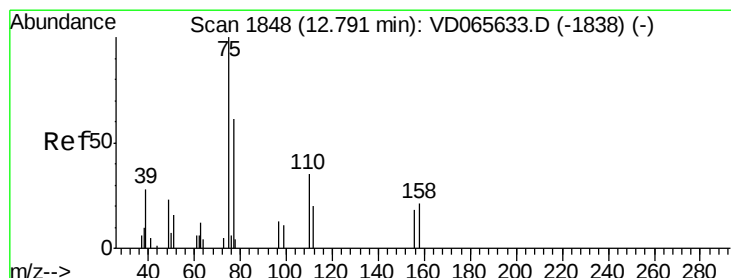
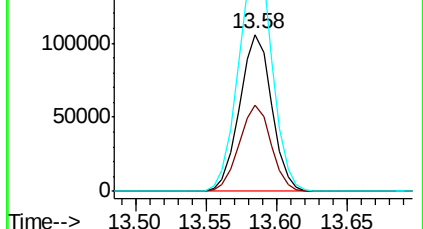
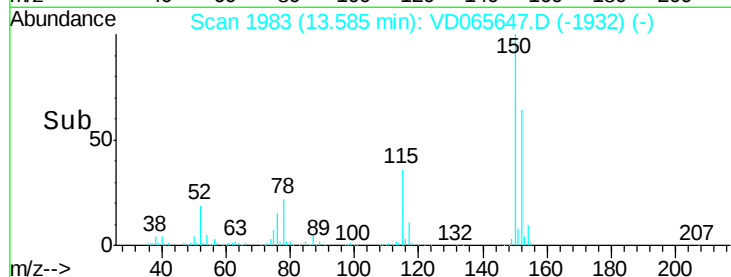
150 155.3 0.0 346.0



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: 50.408 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. -0.15 min

Lab File: VD065647.D

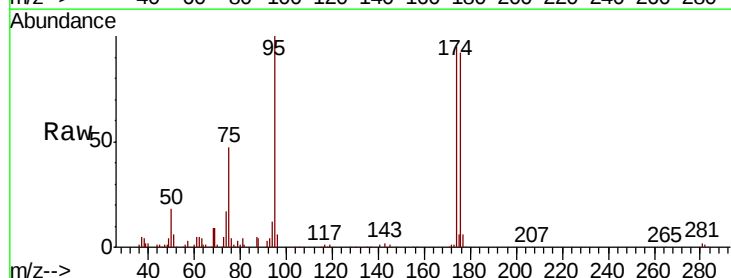
Acq: 17 Apr 2020 16:26

Tgt Ion: 75 Resp: 68412

Ion Ratio Lower Upper

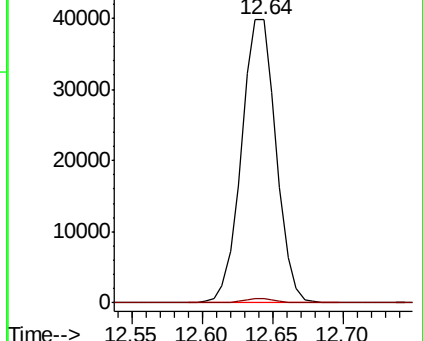
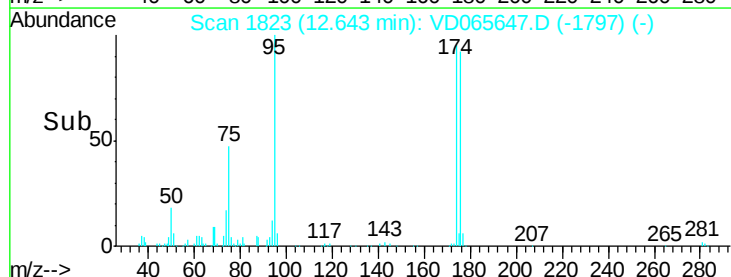
75 100

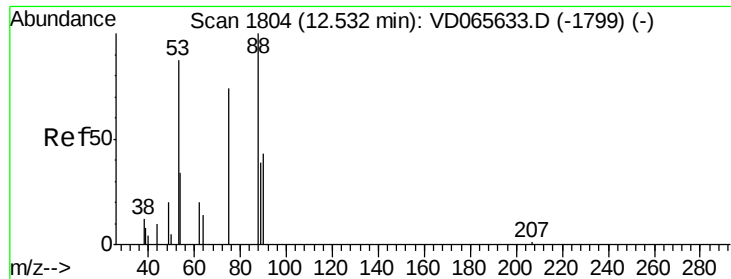
77 1.2 0.0 0.0#



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: 110.475 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.11 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

Instrument :

MSVOA_D

ClientSampled :

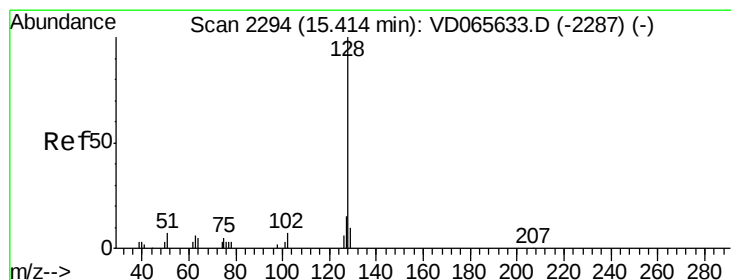
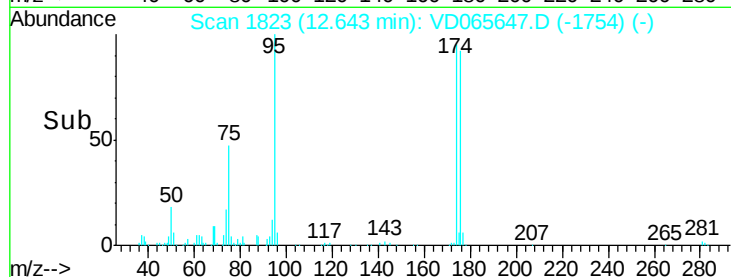
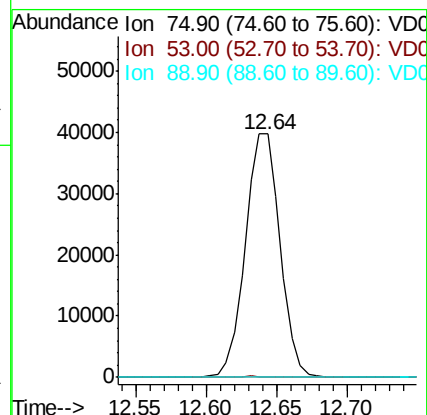
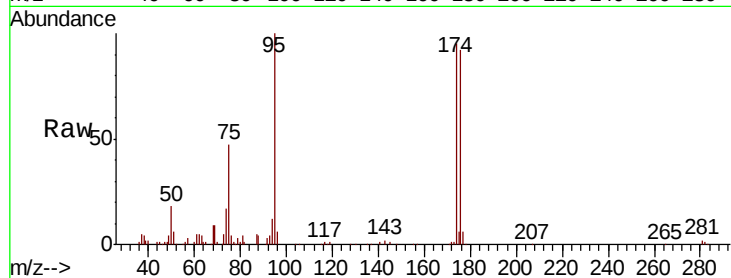
Tot Ion: 75 Resp: 68412

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

89 0.0 36.1 54.1#



#95

Naphthalene

Concen: 4.187 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VD065647.D

Acq: 17 Apr 2020 16:26

Tgt Ion: 128 Resp: 478

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.8 13.2#

