

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041320\
 Data File : VD065631.D
 Acq On : 13 Apr 2020 22:02
 Operator : VA/SY
 Sample : L2230-27
 Misc : 6.54G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-19

Quant Time: Apr 14 02:15:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	366970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	773315	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	820323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385212	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	231562	66.72	ug/l	0.00
Spiked Amount			Recovery	=	133.44%	
35) Dibromofluoromethane	7.92	113	276454	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	
50) Toluene-d8	10.34	98	1011109	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
62) 4-Bromofluorobenzene	12.64	95	330198	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	

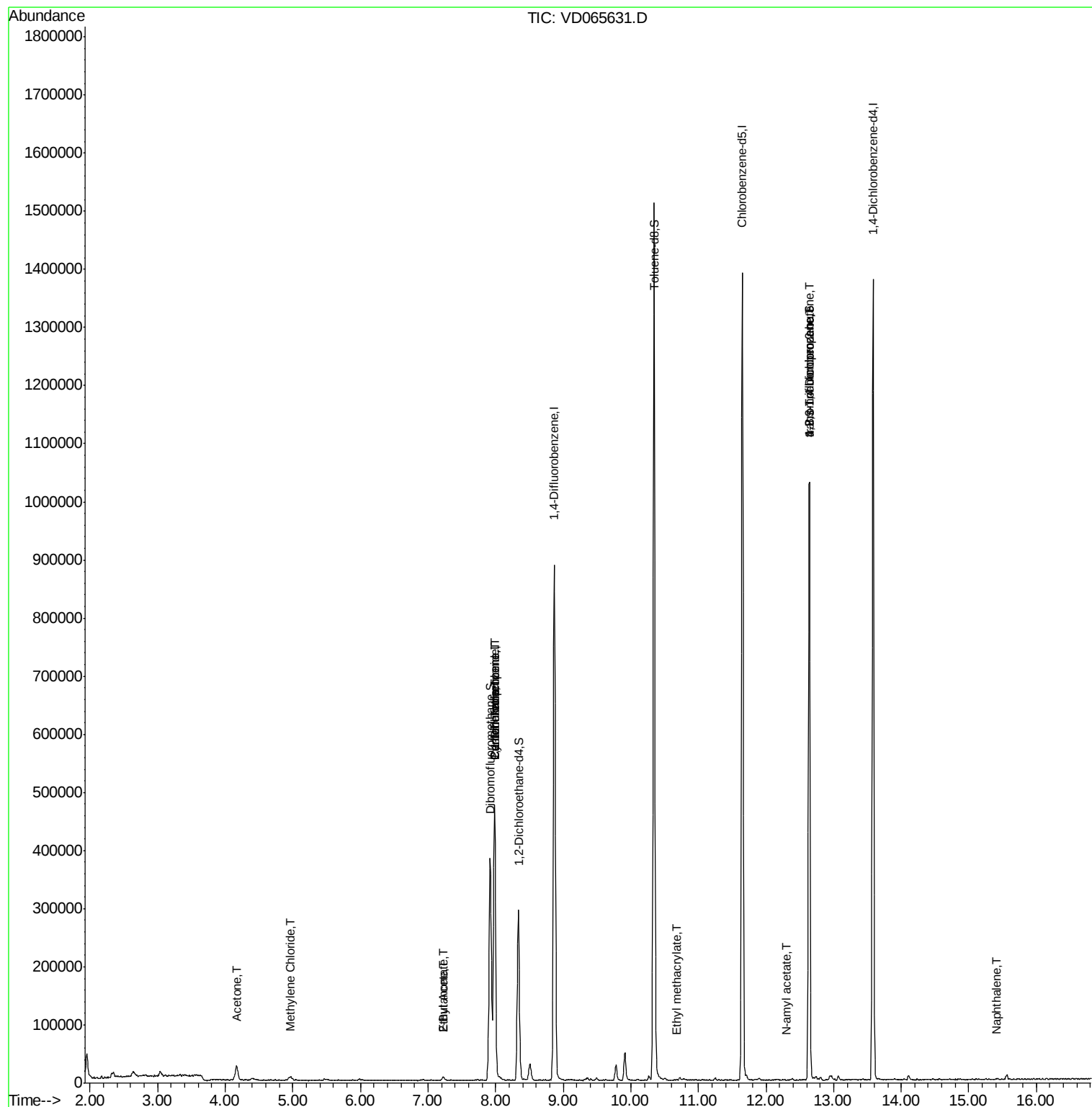
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	43425	69.290	ug/l	96
20) Methylene Chloride	4.97	84	4377	1.057	ug/l #	82
25) 2-Butanone	7.23	43	8738	10.186	ug/l #	83
31) Cyclohexane	7.99	56	7306	1.180	ug/l #	2
36) 1,1-Dichloropropene	7.98	75	25446	3.196	ug/l #	49
37) Ethyl Acetate	7.23	43	8738	2.956	ug/l #	77
38) Carbon Tetrachloride	7.99	117	33247	3.846	ug/l #	14
56) Ethyl methacrylate	10.67	69	213	3.352	ug/l #	50
74) N-amyl acetate	12.30	43	118	2.953	ug/l #	45
76) 1,2,3-Trichloropropane	12.64	75	162673	52.654	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	162673	121.966	ug/l #	13
95) Naphthalene	15.41	128	946	4.060	ug/l #	86

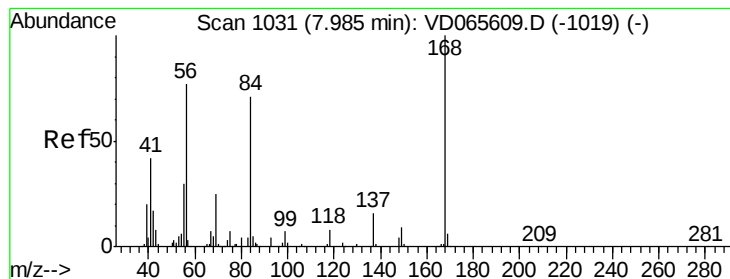
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD065631.D

Acq: 13 Apr 2020 22:02

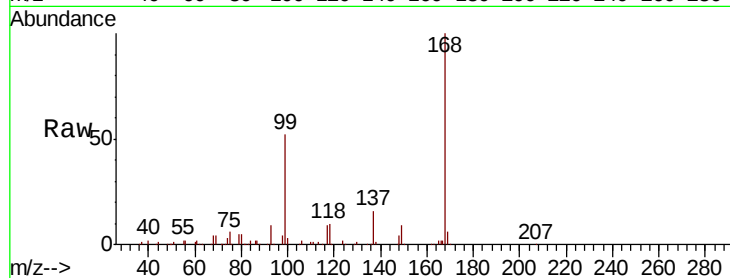
Instrument :
MSVOA_D
ClientSampleId :
TP-19

Tot Ion:168 Resp: 366970

Ion Ratio Lower Upper

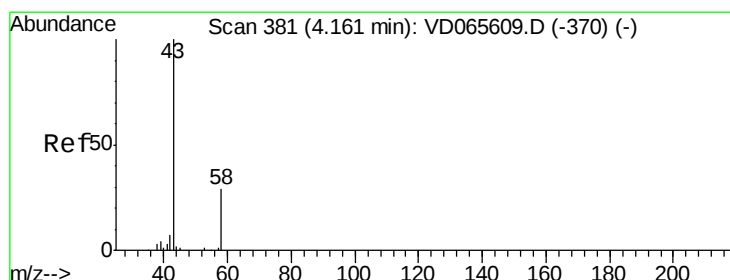
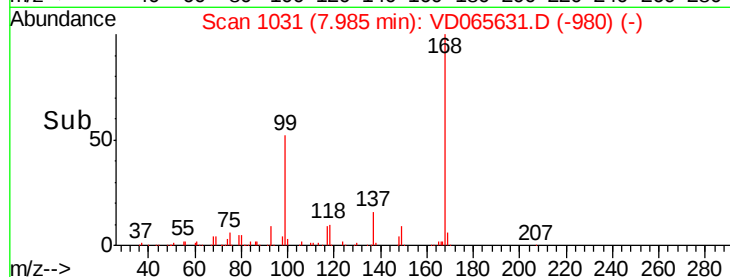
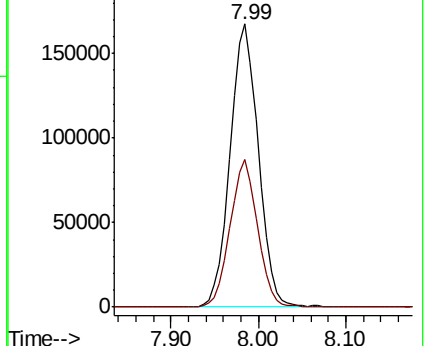
168 100

99 52.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 69.290 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD065631.D

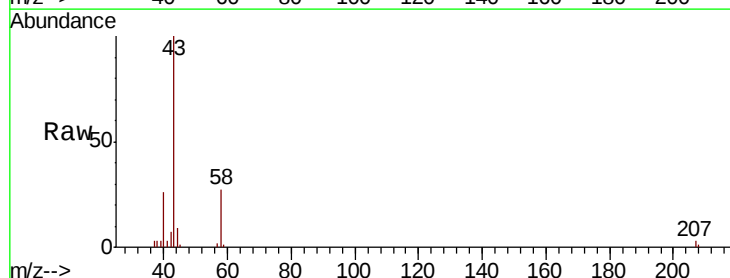
Acq: 13 Apr 2020 22:02

Tgt Ion: 43 Resp: 43425

Ion Ratio Lower Upper

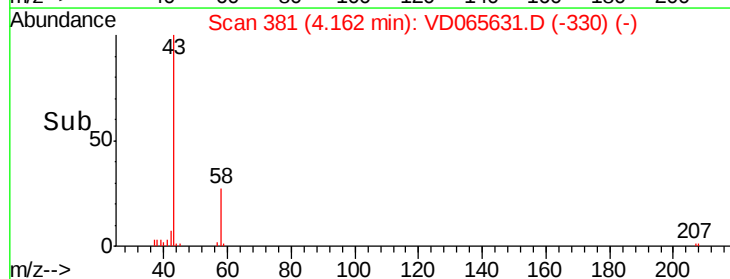
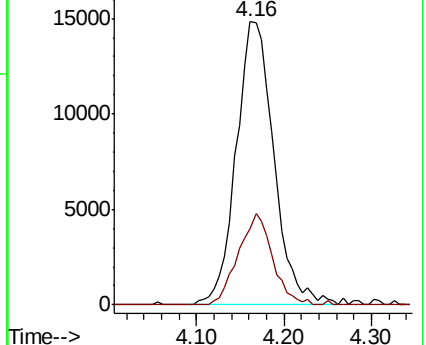
43 100

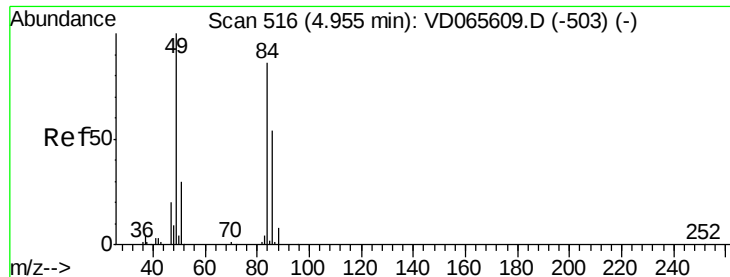
58 27.0 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

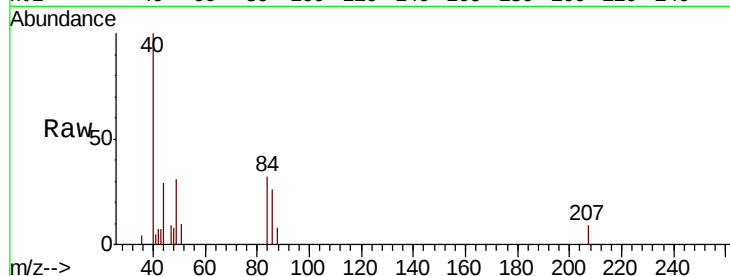




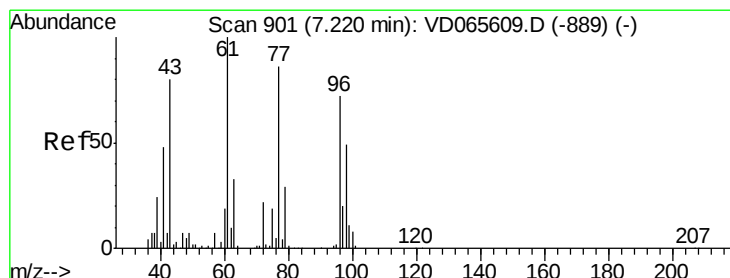
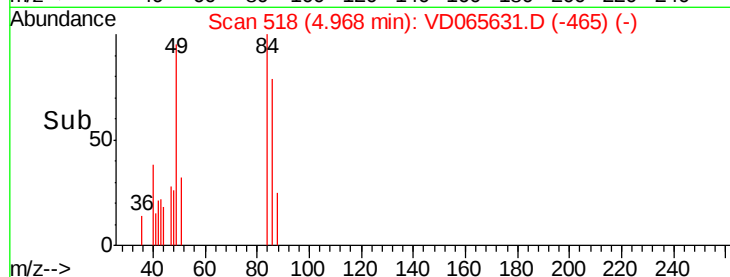
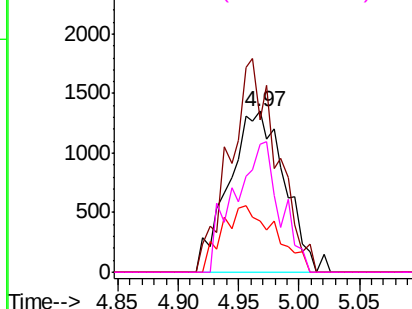
#20
Methylene Chloride
Concen: 1.057 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Instrument :
MSVOA_D
ClientSampled :
TP-19

Tot Ion: 84 Resp: 4377
Ion Ratio Lower Upper
84 100
49 94.9 93.4 140.2
51 31.7 28.5 42.7
86 79.3 50.2 75.4#

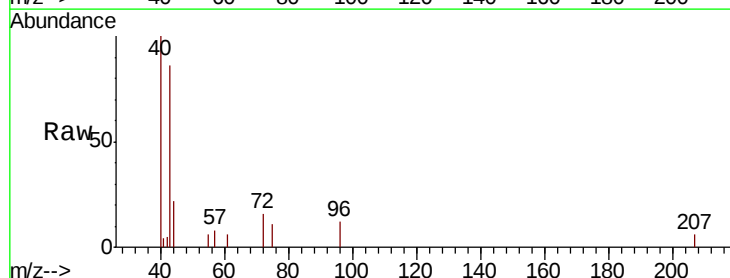


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

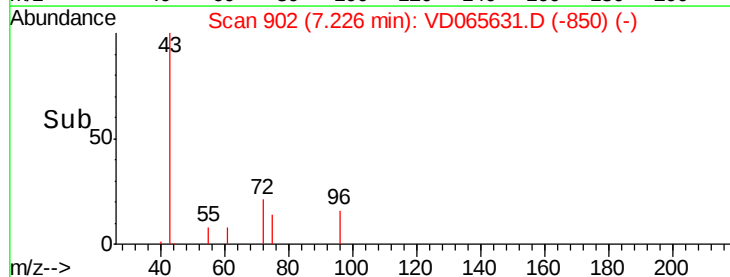
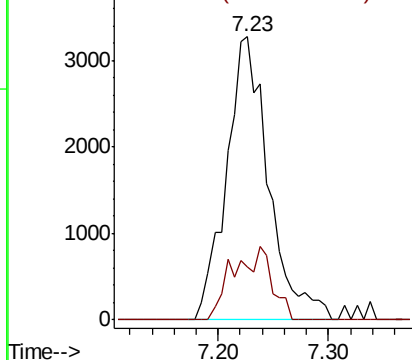


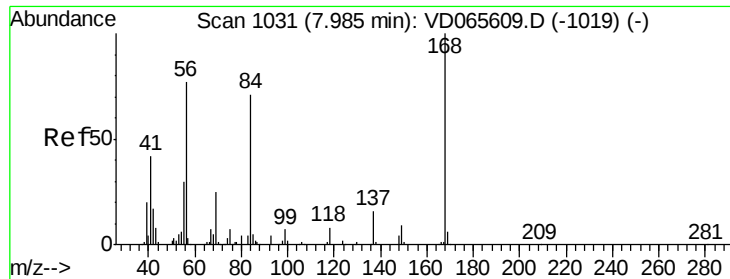
#25
2-Butanone
Concen: 10.186 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Tgt Ion: 43 Resp: 8738
Ion Ratio Lower Upper
43 100
72 18.9 22.5 33.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 72.00 (71.70 to 72.70): VDC

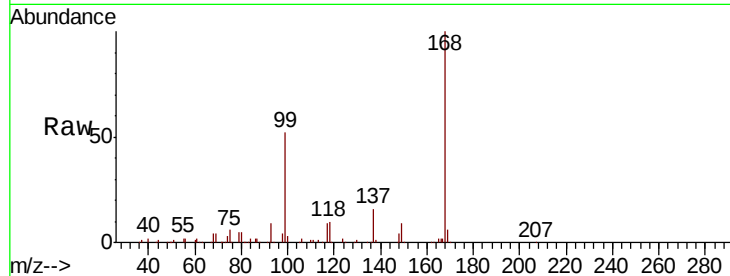




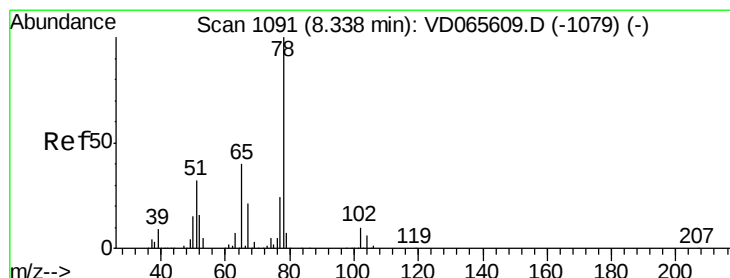
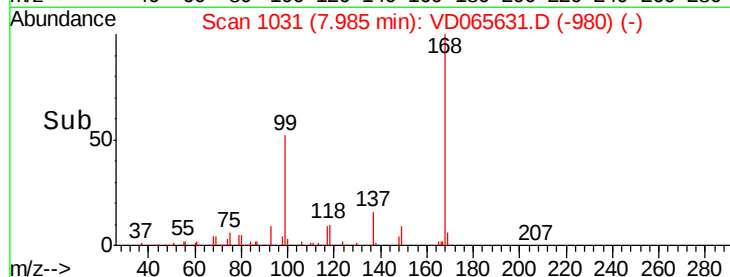
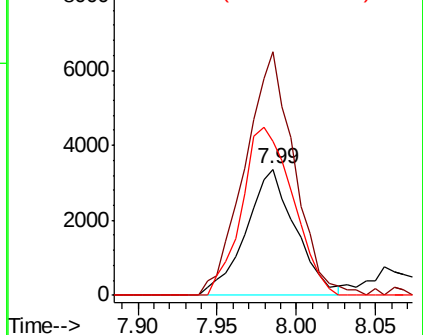
#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Instrument :
MSVOA_D
ClientSampled :
TP-19

Tot Ion: 56 Resp: 7306
Ion Ratio Lower Upper
56 100
69 193.2 26.2 39.4#
84 122.0 73.7 110.5#

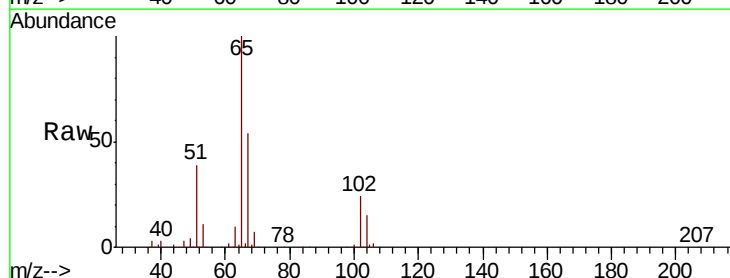


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

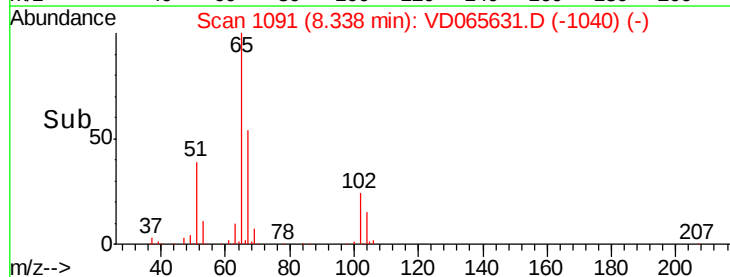
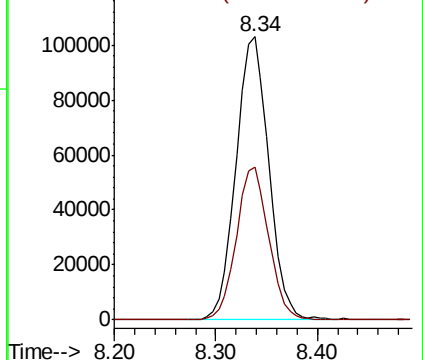


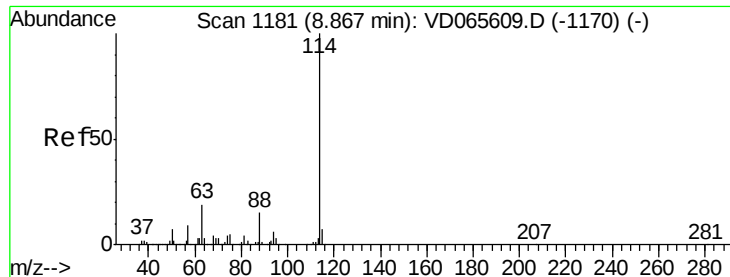
#33
1,2-Dichloroethane-d4
Concen: 66.720 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Tgt Ion: 65 Resp: 231562
Ion Ratio Lower Upper
65 100
67 53.2 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: VD065631.D

Acq: 13 Apr 2020 22:02

Instrument :

MSVOA_D

ClientSampled :

TP-19

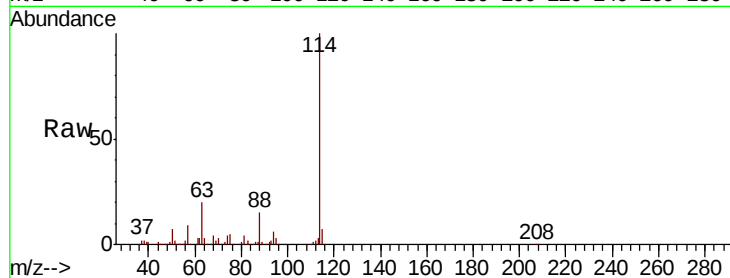
Tot Ion:114 Resp: 773315

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.2

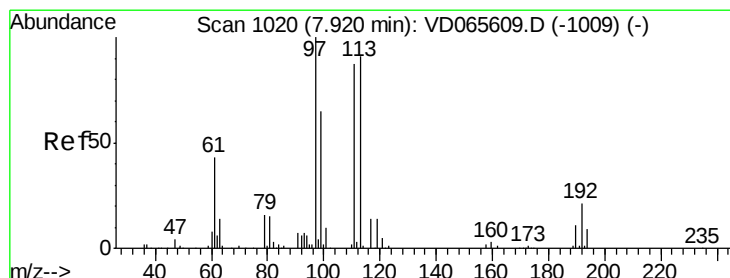
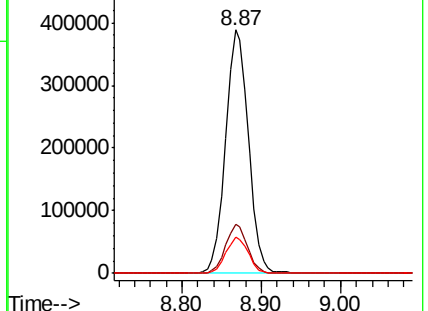
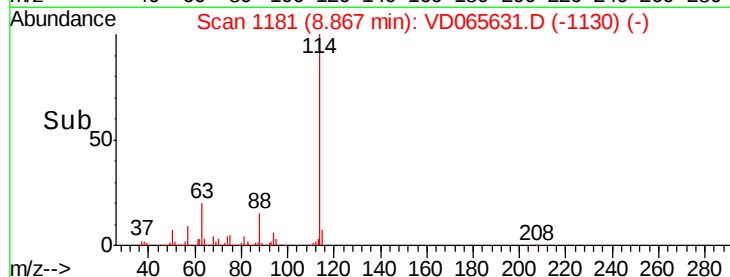
88 14.9 0.0 29.6



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: 51.171 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065631.D

Acq: 13 Apr 2020 22:02

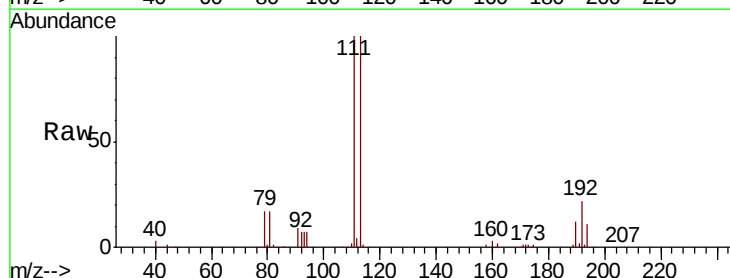
Tgt Ion:113 Resp: 276454

Ion Ratio Lower Upper

113 100

111 102.1 80.6 120.8

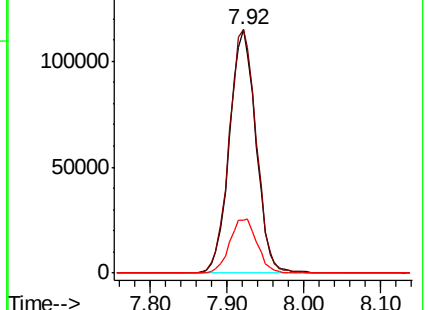
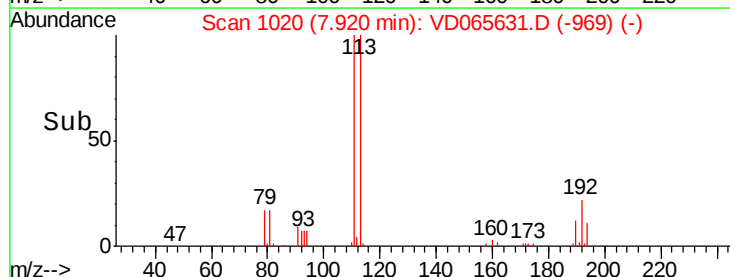
192 22.7 18.6 27.8

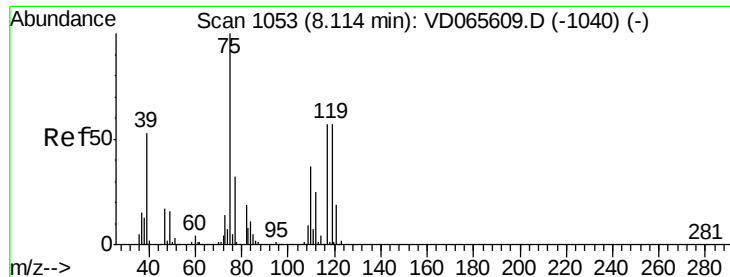


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

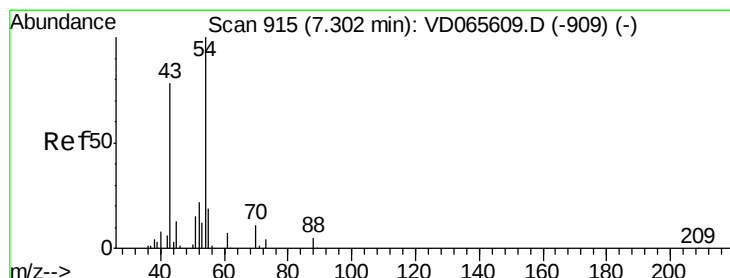
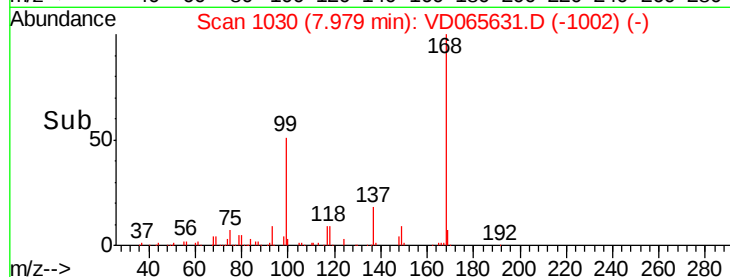
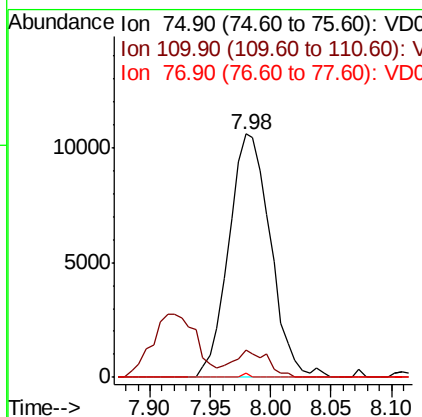
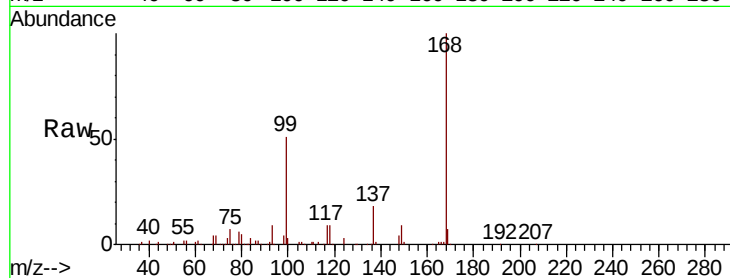




#36
 1,1-Dichloropropene
 Concen: 3.196 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.13 min
 Lab File: VD065631.D
 Acq: 13 Apr 2020 22:02

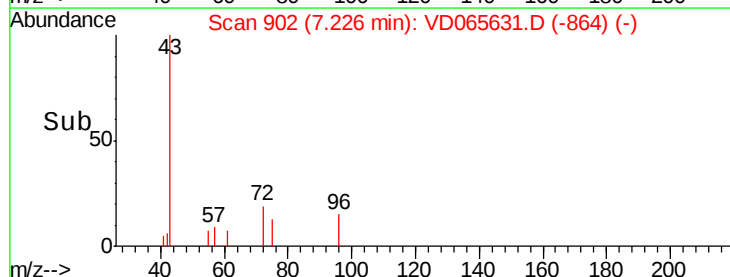
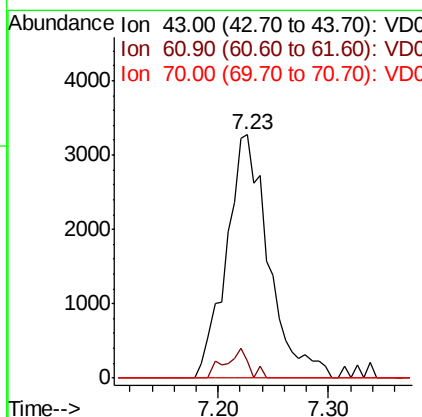
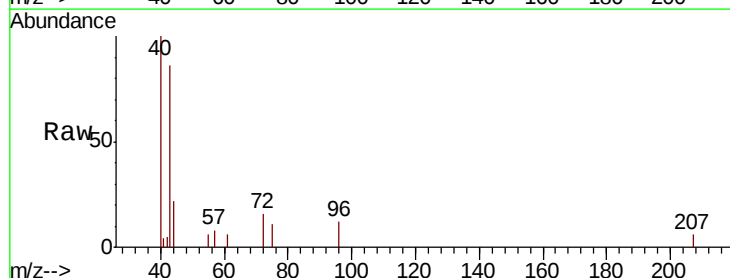
Instrument :
 MSVOA_D
 ClientSampled :
 TP-19

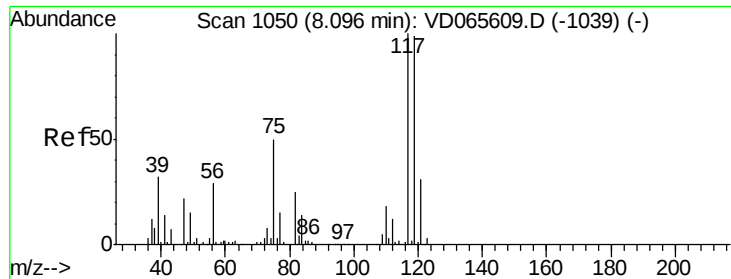
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.3	54.9#
77	0.2	25.0	37.6#



#37
 Ethyl Acetate
 Concen: 2.956 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065631.D
 Acq: 13 Apr 2020 22:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.7	11.3	16.9#
70	0.0	8.6	13.0#

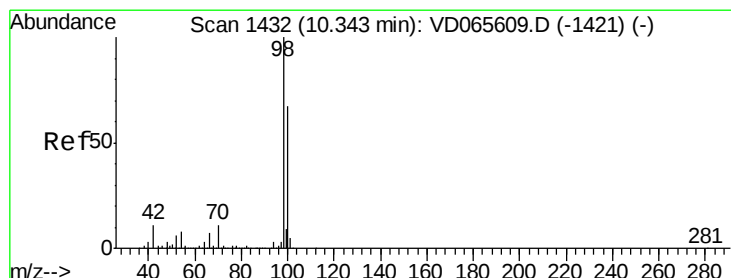
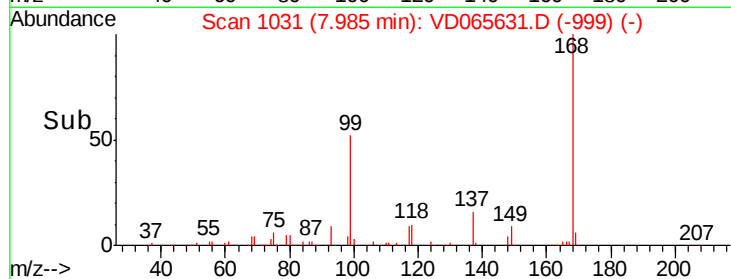
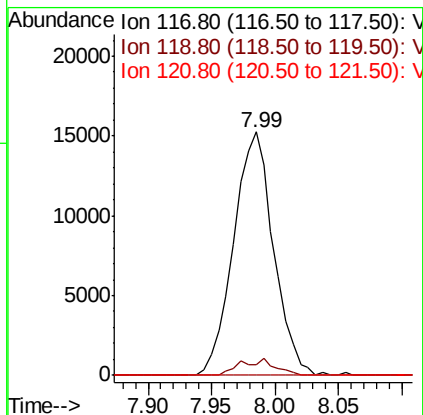
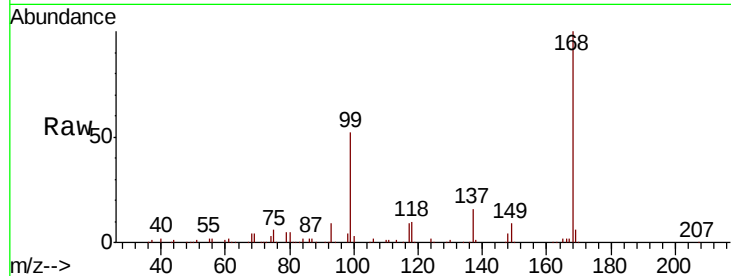




#38
Carbon Tetrachloride
Concen: 3.846 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

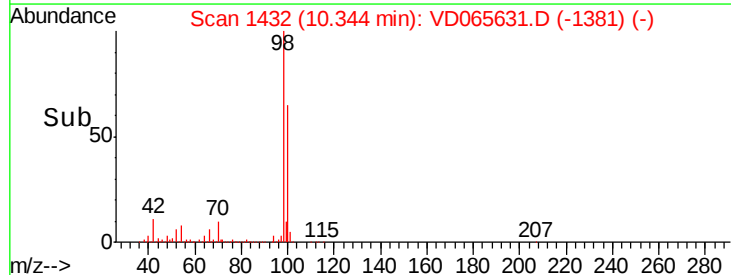
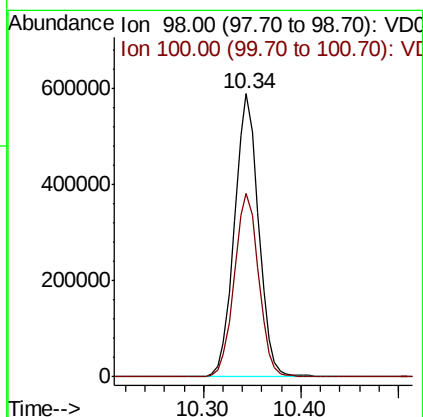
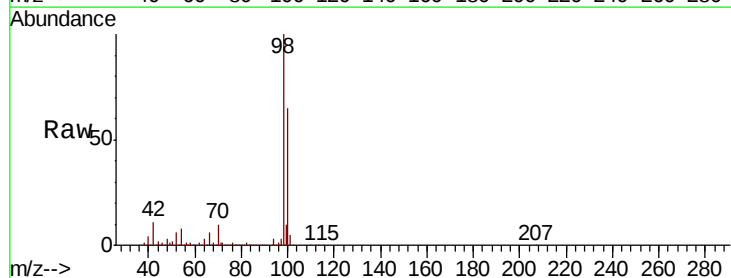
Instrument :
MSVOA_D
ClientSampled :
TP-19

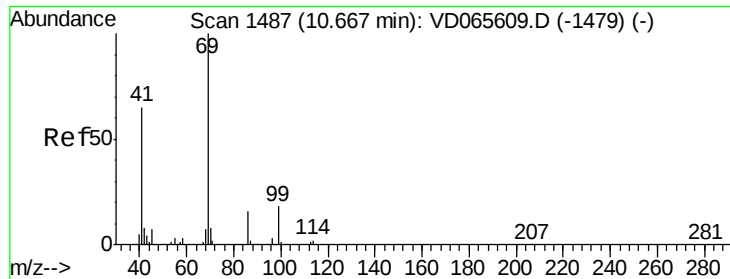
Tot Ion:117 Resp: 33247
Ion Ratio Lower Upper
117 100
119 4.6 78.9 118.3#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.250 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Tgt Ion: 98 Resp: 1011109
Ion Ratio Lower Upper
98 100
100 65.8 52.6 79.0





#56

Ethyl methacrylate

Concen: 3.352 ug/l

RT: 10.67 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VD065631.D

Acq: 13 Apr 2020 22:02

Instrument :

MSVOA_D

ClientSampled :

TP-19

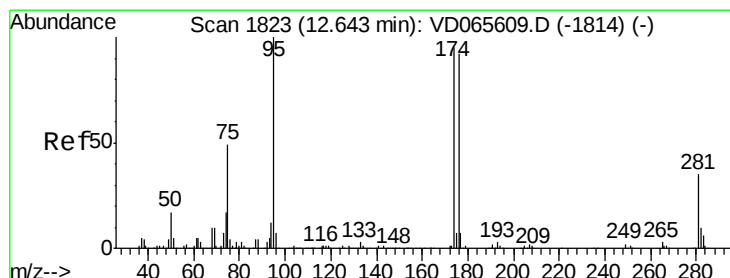
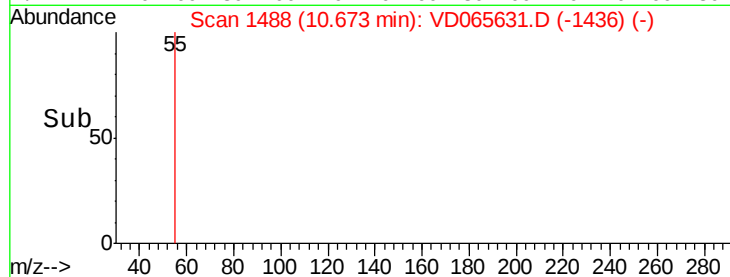
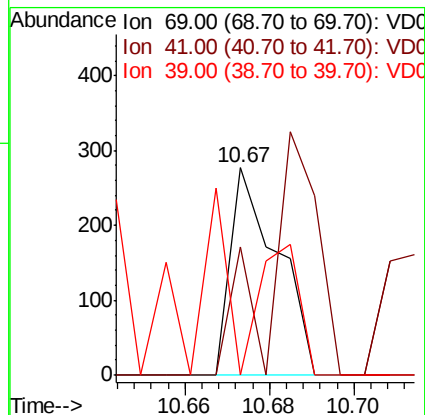
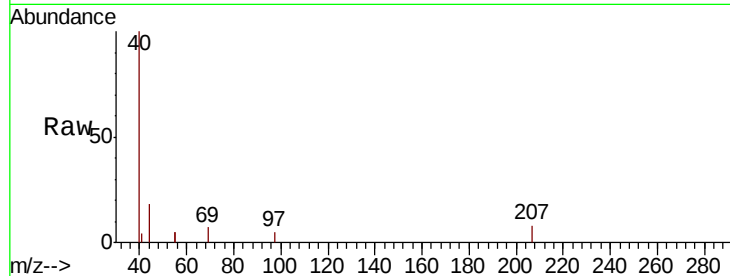
Tot Ion: 69 Resp: 213

Ion Ratio Lower Upper

69 100

41 122.1 54.4 81.6#

39 41.3 26.5 39.7#



#62

4-Bromofluorobenzene

Concen: 52.084 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VD065631.D

Acq: 13 Apr 2020 22:02

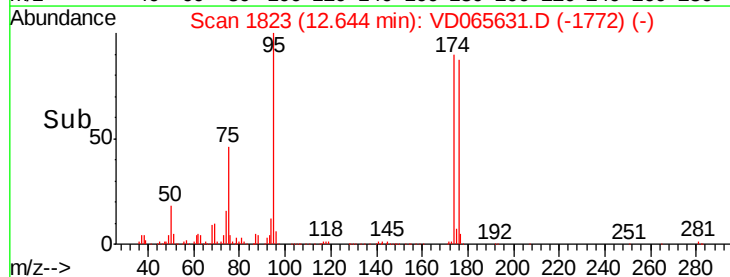
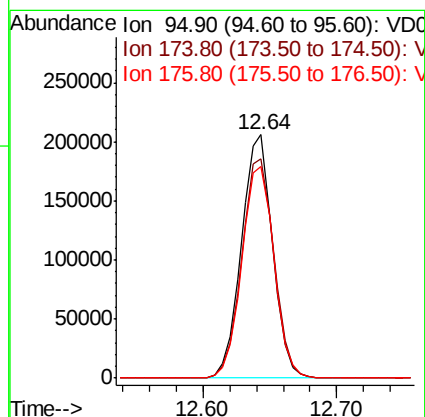
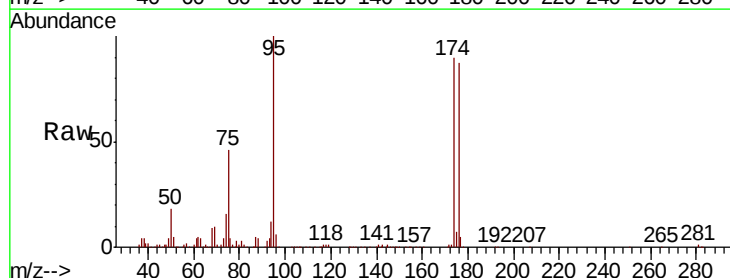
Tgt Ion: 95 Resp: 330198

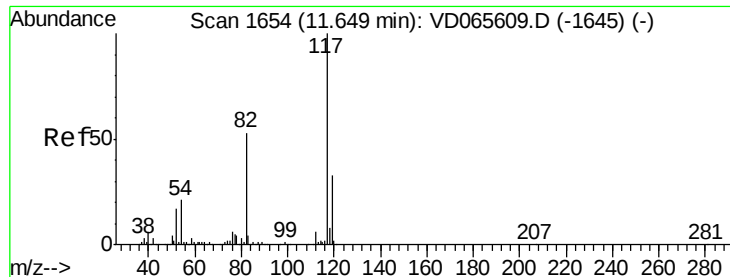
Ion Ratio Lower Upper

95 100

174 93.5 0.0 182.8

176 90.0 0.0 176.6

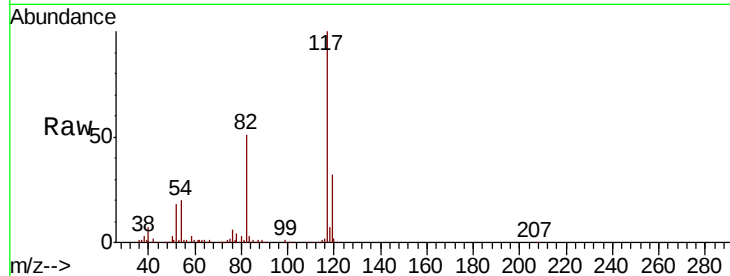




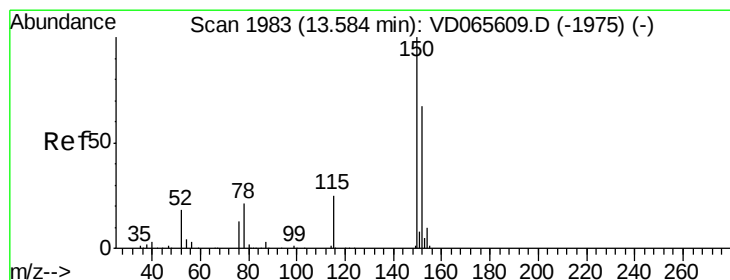
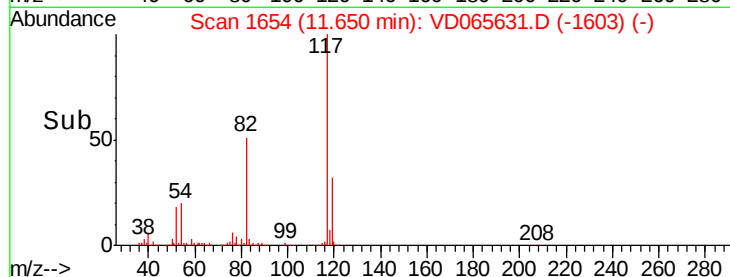
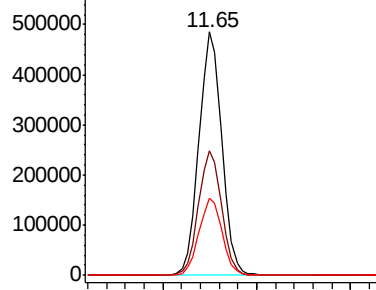
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Instrument :
MSVOA_D
ClientSampleId :
TP-19

Tot Ion:117 Resp: 820323
Ion Ratio Lower Upper
117 100
82 51.0 42.6 64.0
119 31.5 26.7 40.1

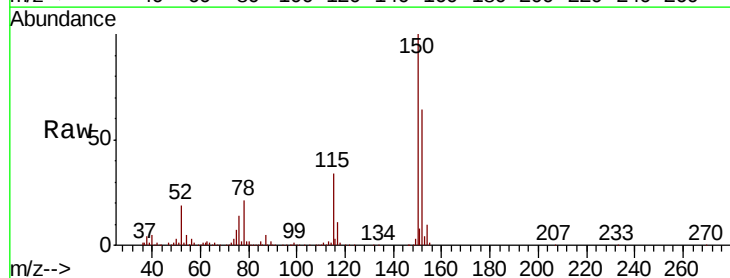


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

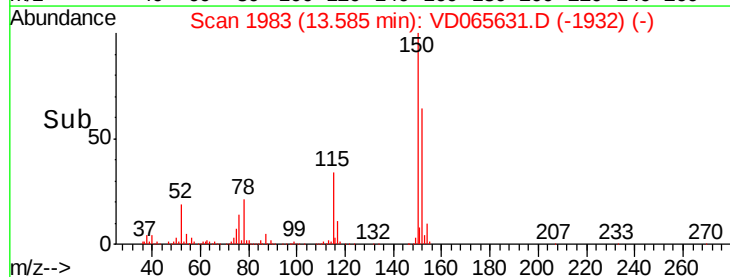
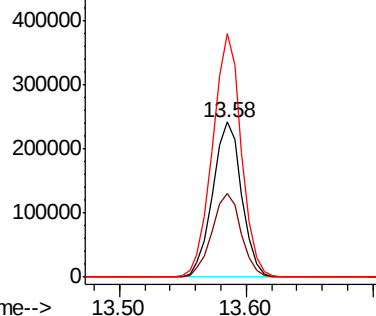


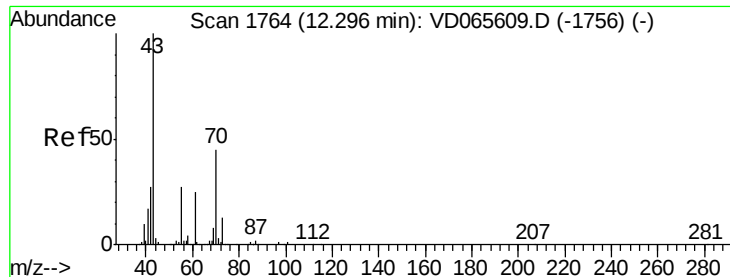
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Tgt Ion:152 Resp: 385212
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 154.9 0.0 348.2



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

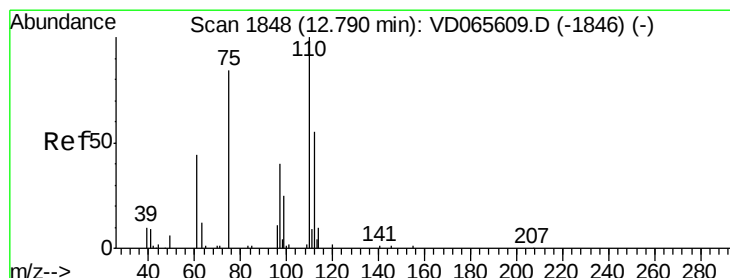
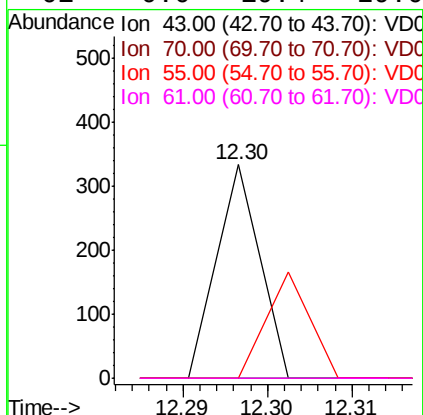
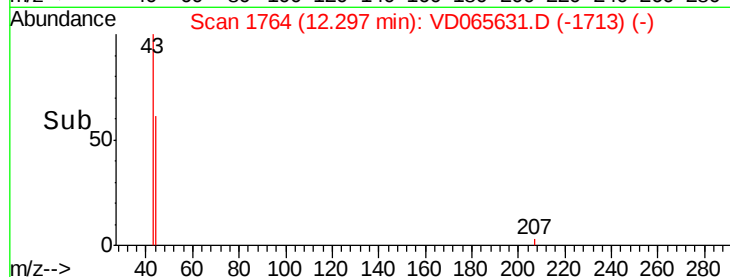
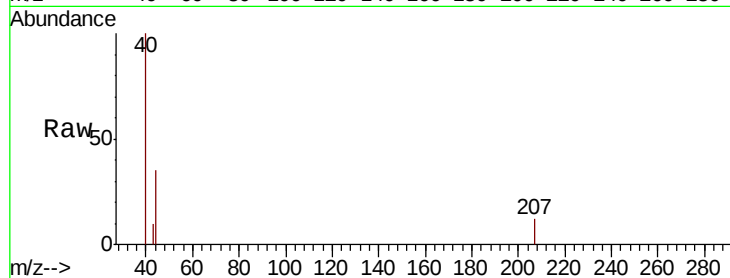




#74
N-amvl acetate
Concen: 2.953 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

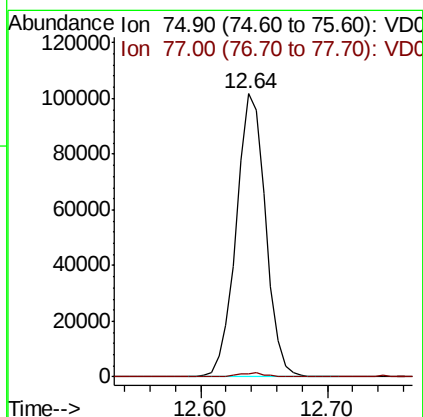
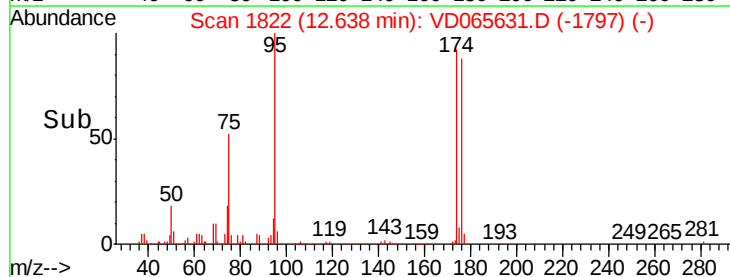
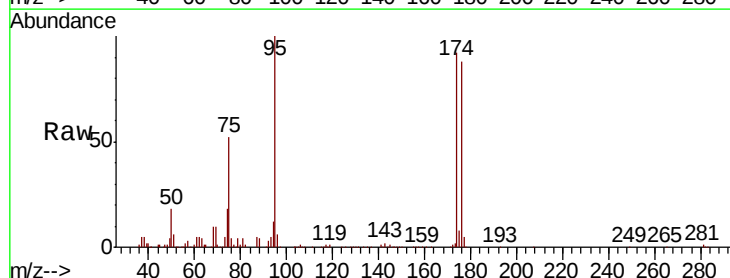
Instrument :
MSVOA_D
ClientSampled :
TP-19

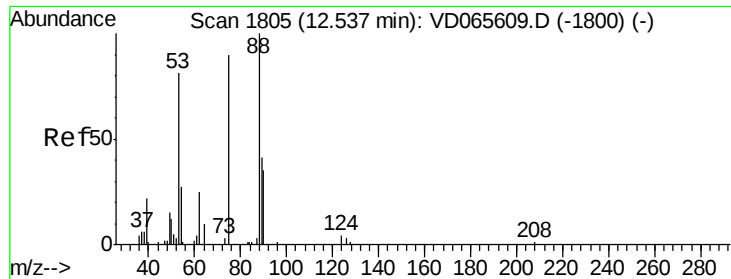
Tot Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
70 0.0 35.2 52.8#
55 50.0 22.5 33.7#
61 0.0 19.4 29.0#



#76
1,2,3-Trichloropropane
Concen: 52.654 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD065631.D
Acq: 13 Apr 2020 22:02

Tgt Ion: 75 Resp: 162673
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 121.966 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065631.D

Acq: 13 Apr 2020 22:02

Instrument :

MSVOA_D

ClientSampleId :

TP-19

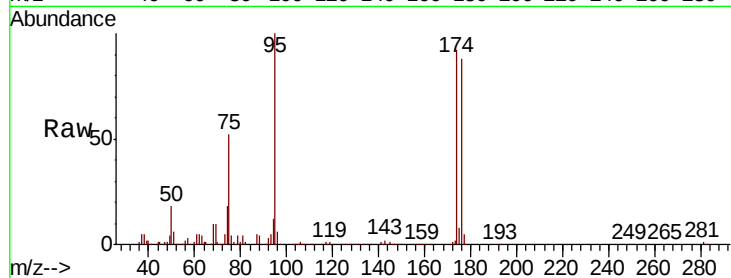
Tot Ion: 75 Resp: 162673

Ion Ratio Lower Upper

75 100

53 0.3 73.8 110.8#

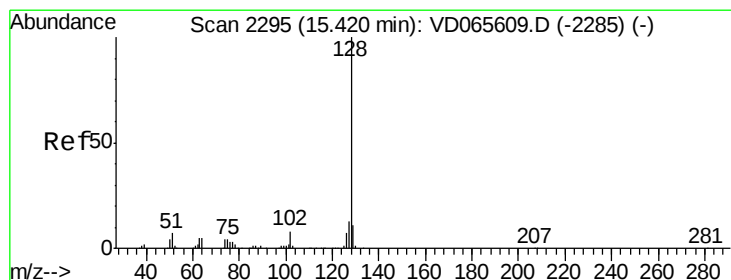
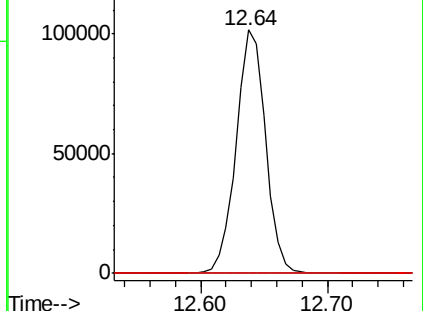
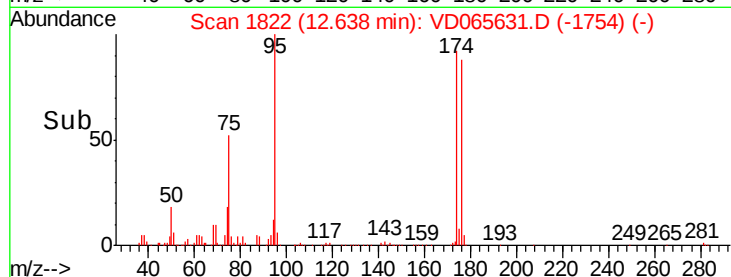
89 0.0 36.1 54.1#



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: 4.060 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065631.D

Acq: 13 Apr 2020 22:02

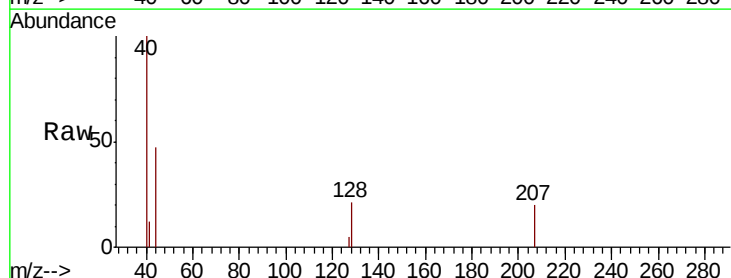
Tgt Ion: 128 Resp: 946

Ion Ratio Lower Upper

128 100

127 11.9 10.6 15.8

129 0.0 8.4 12.6#



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

