

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021720\
 Data File : VD065204.D
 Acq On : 17 Feb 2020 18:43
 Operator : VA/SY
 Sample : L1484-03
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Quant Time: Feb 18 03:17:39 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	24801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	39552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	41373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	14657	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	25061	118.89	ug/l	0.00
Spiked Amount			Recovery	=	237.78%	
35) Dibromofluoromethane	7.92	113	20222	91.64	ug/l	0.00
Spiked Amount			Recovery	=	183.28%	
50) Toluene-d8	10.34	98	44409	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	14295	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	

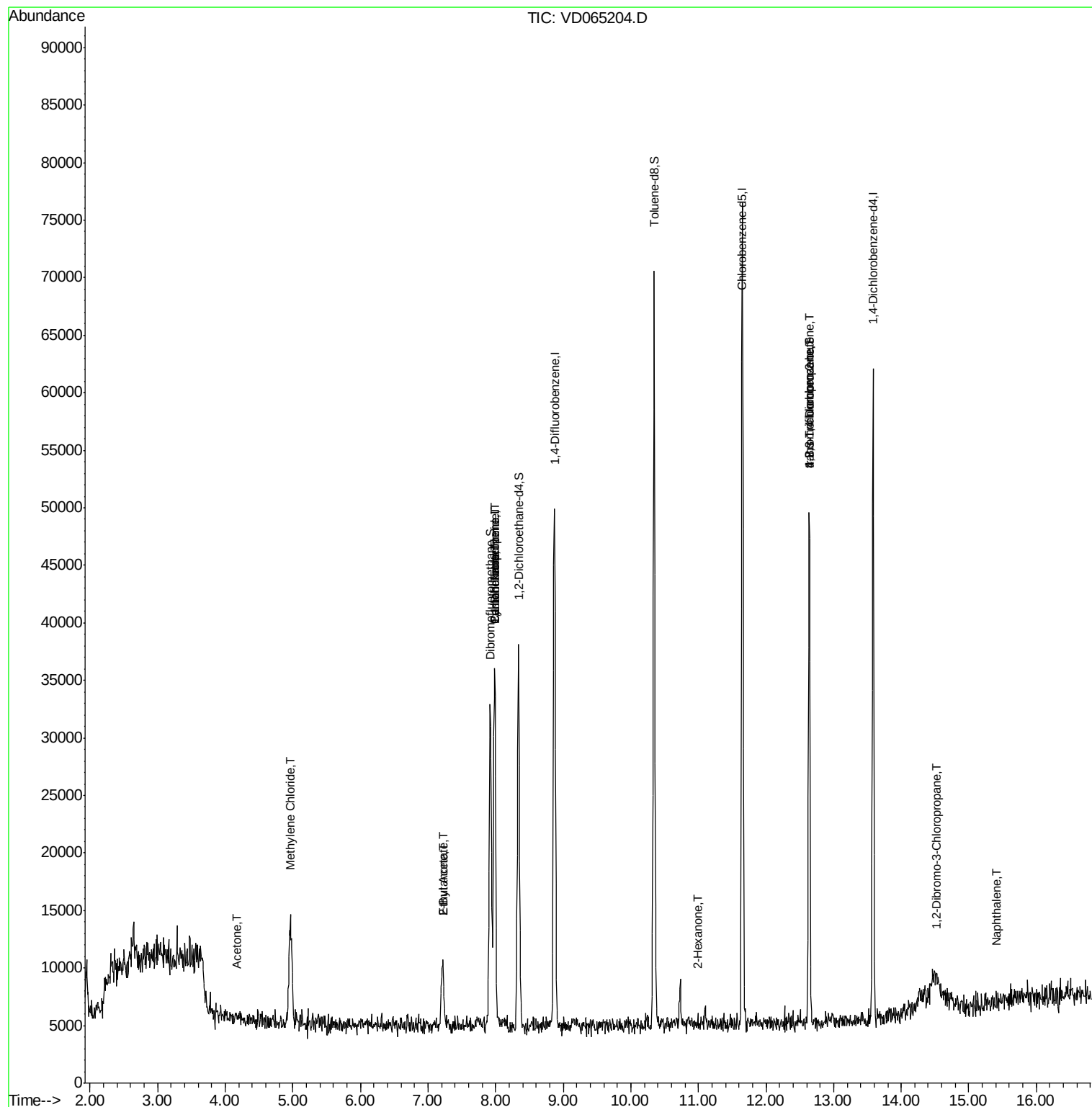
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	1198	22.732	ug/l	95
20) Methylene Chloride	4.97	84	7313	29.934	ug/l #	82
25) 2-Butanone	7.23	43	472	7.508	ug/l #	50
31) Cyclohexane	7.99	56	451	1.076	ug/l #	31
36) 1,1-Dichloropropene	7.99	75	1791	4.870	ug/l #	41
37) Ethyl Acetate	7.23	43	472	3.141	ug/l #	26
38) Carbon Tetrachloride	7.98	117	2263	6.025	ug/l #	11
59) 2-Hexanone	10.98	43	135	1.347	ug/l #	26
76) 1,2,3-Trichloropropane	12.64	75	7780	70.110	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	7780	140.214	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.53	75	68	2.631	ug/l #	1
95) Naphthalene	15.41	128	476	1.031	ug/l #	69

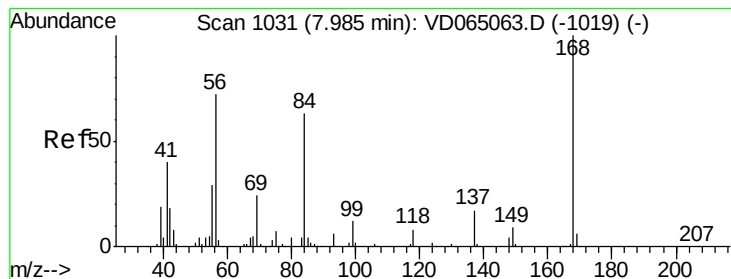
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021720\
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SP-3

Quant Time: Feb 18 03:17:39 2020
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Quant Title : SW846 8260
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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: VD065204.D

Acq: 17 Feb 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

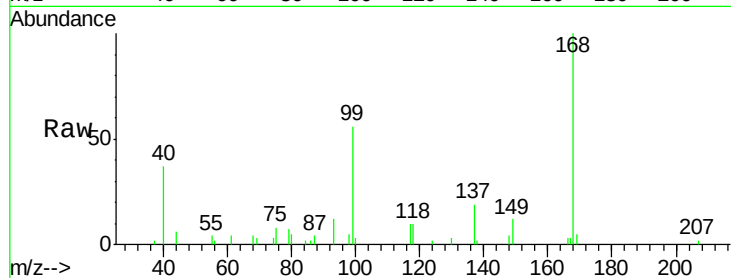
SP-3

Tot Ion:168 Resp: 24801

Ion Ratio Lower Upper

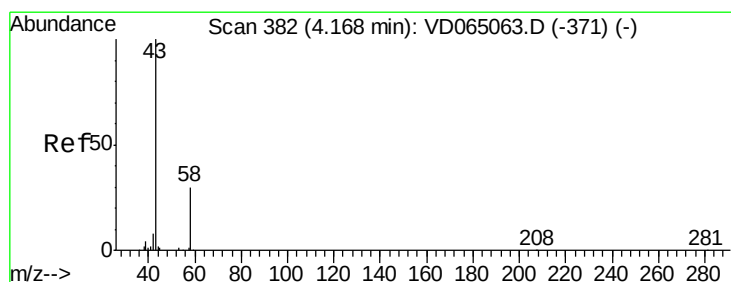
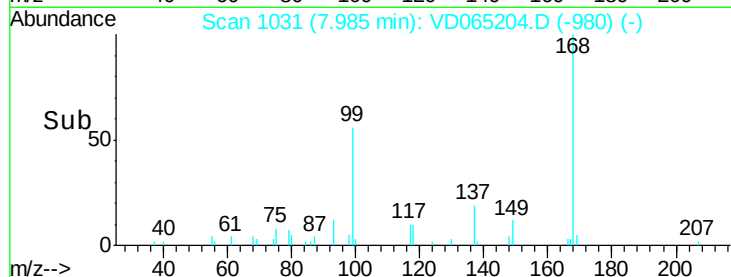
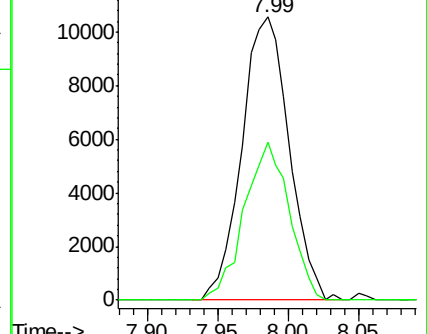
168 100

99 55.6 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: 22.732 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD065204.D

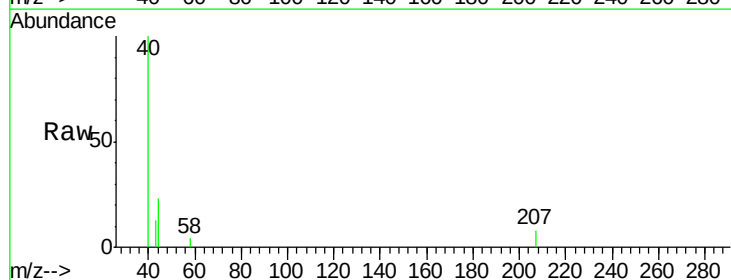
Acq: 17 Feb 2020 18:43

Tgt Ion: 43 Resp: 1198

Ion Ratio Lower Upper

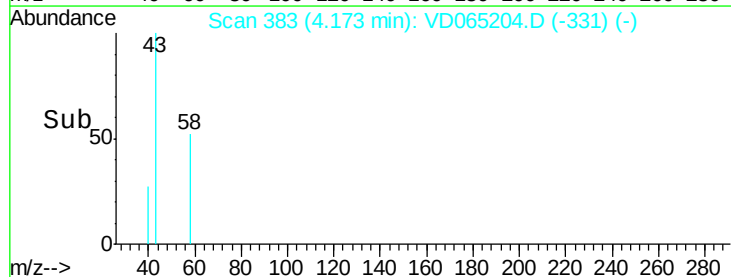
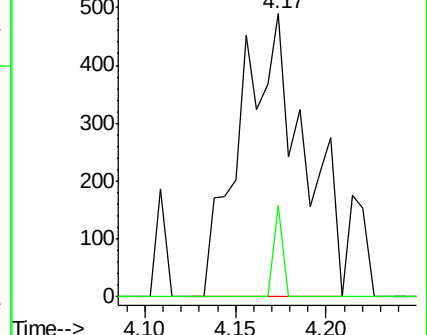
43 100

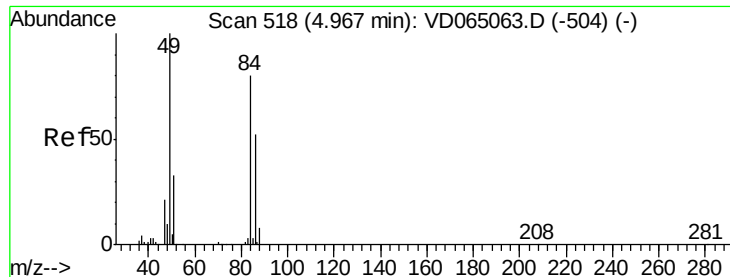
58 32.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

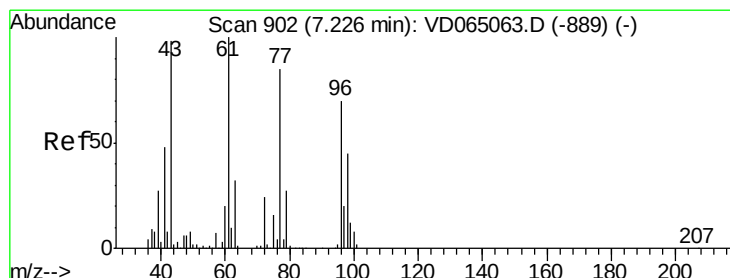
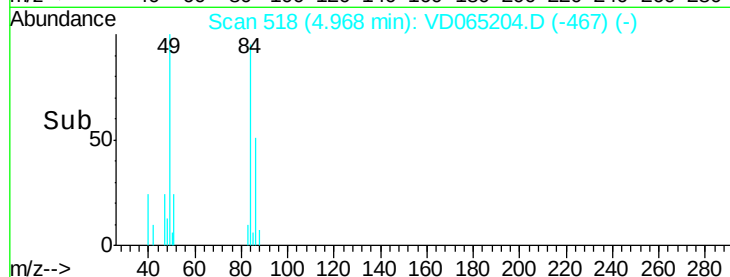
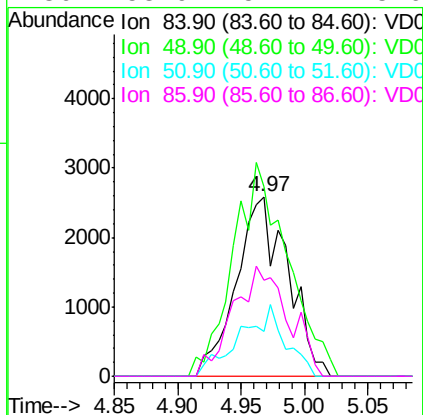
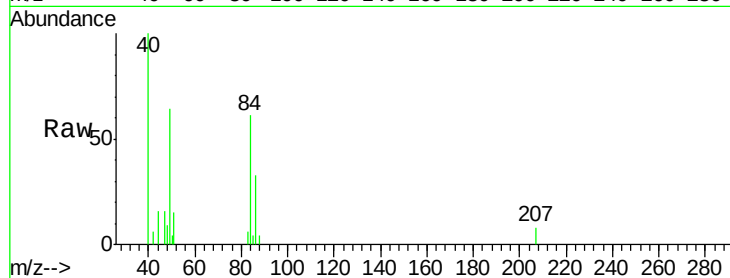




#20
Methylene Chloride
Concen: 29.934 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

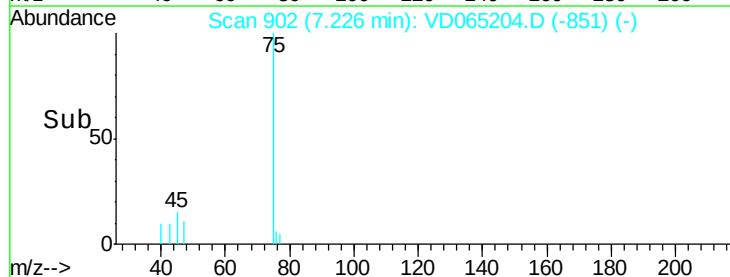
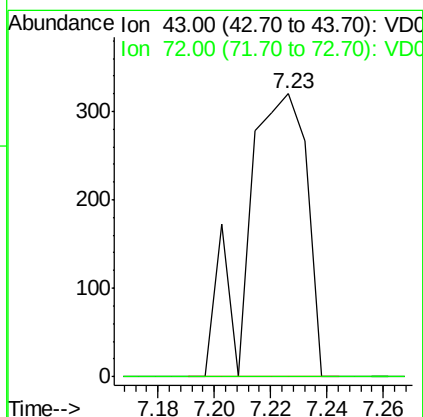
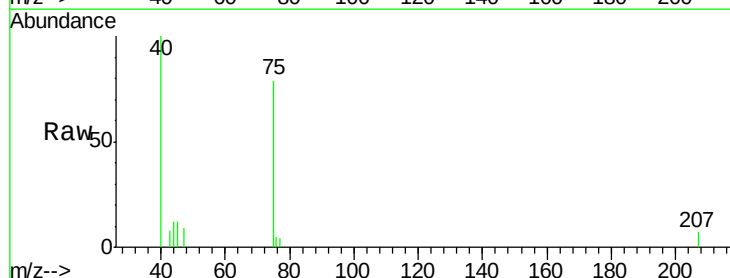
Instrument :
MSVOA_D
ClientSampleId :
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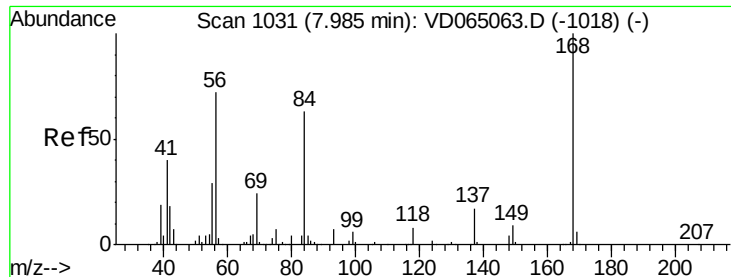
Tot Ion: 84 Resp: 7313
Ion Ratio Lower Upper
84 100
49 105.5 100.4 150.6
51 25.2 32.7 49.1#
86 53.9 52.4 78.6



#25
2-Butanone
Concen: 7.508 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

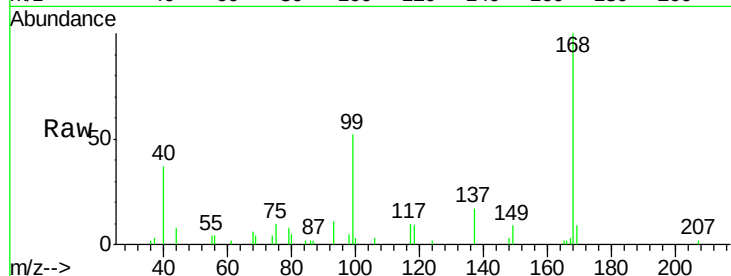




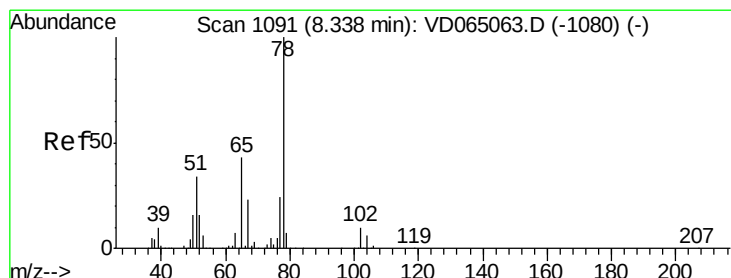
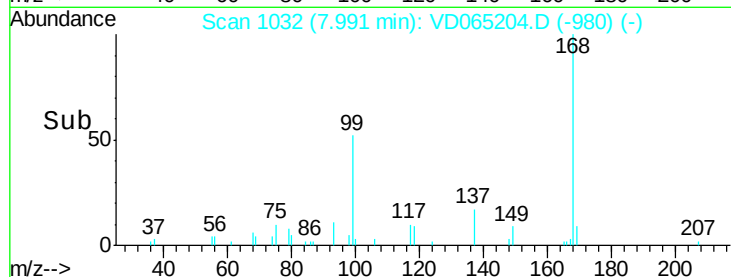
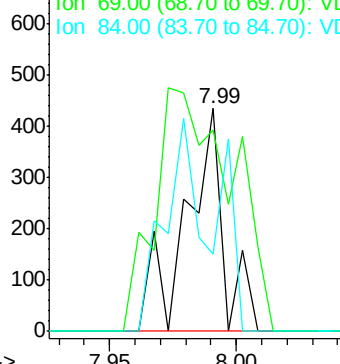
#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

Instrument :
MSVOA_D
ClientSampled :
SP-3

Tot Ion: 56 Resp: 451
Ion Ratio Lower Upper
56 100
69 90.6 26.6 40.0#
84 34.7 70.6 106.0#

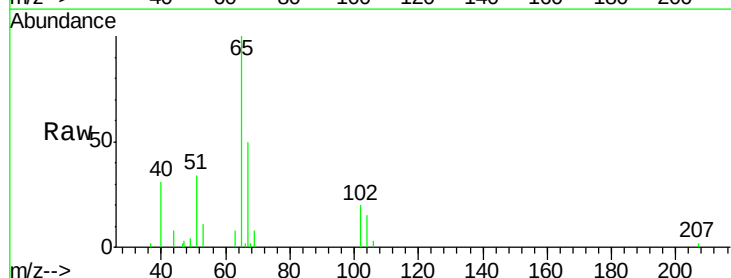


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

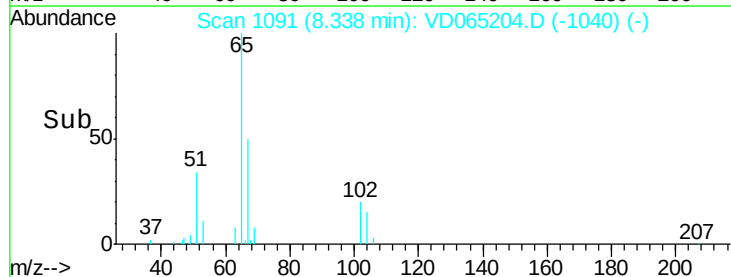
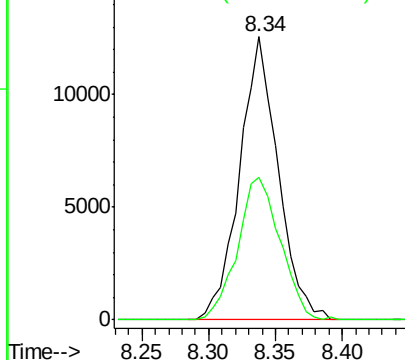


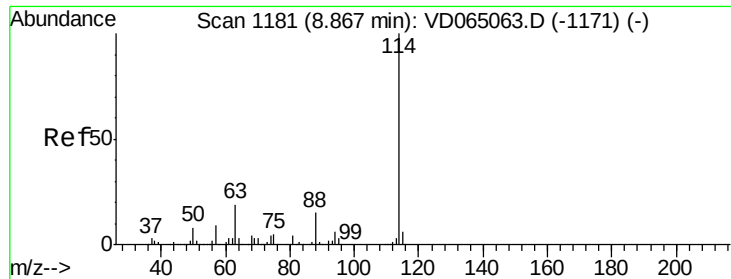
#33
1,2-Dichloroethane-d4
Concen: 118.892 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

Tgt Ion: 65 Resp: 25061
Ion Ratio Lower Upper
65 100
67 55.9 0.0 105.8



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

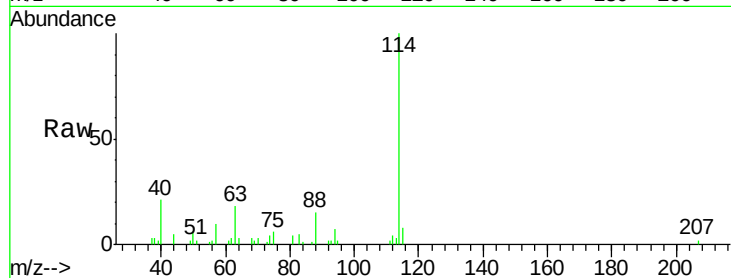




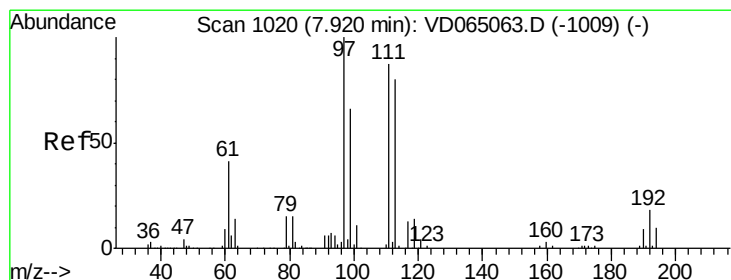
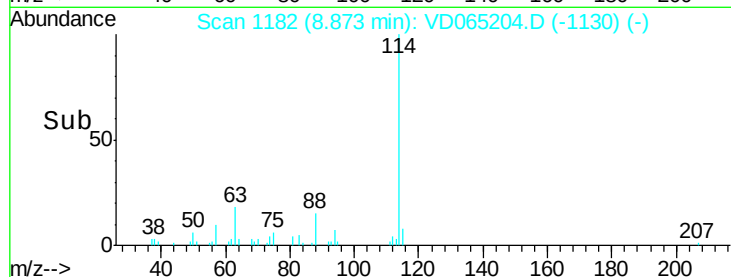
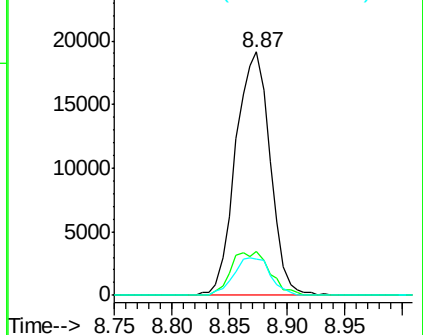
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065204.D
 Acq: 17 Feb 2020 18:43

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	38.8
88	14.9	0.0	29.6

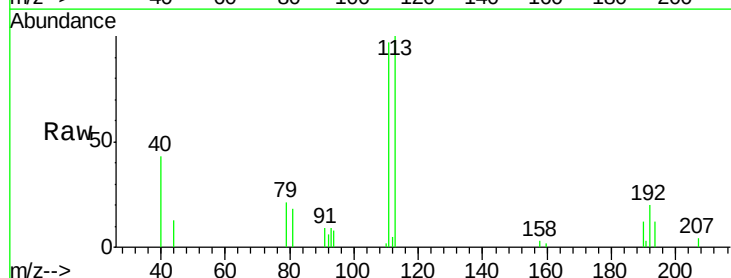


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

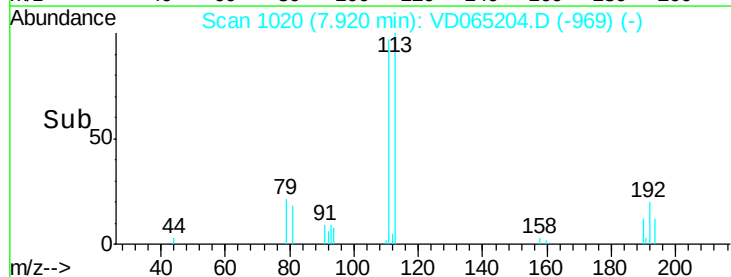
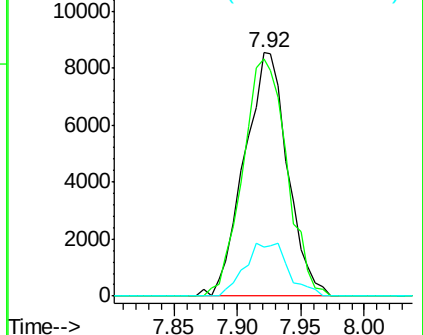


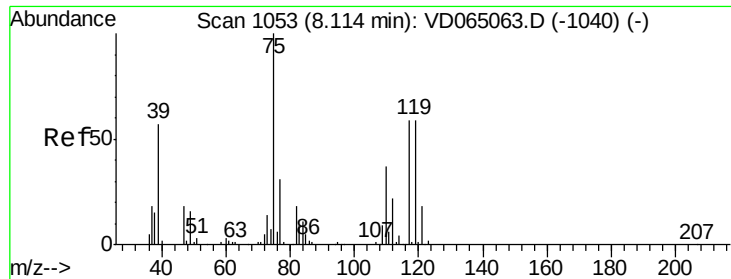
#35
 Dibromofluoromethane
 Concen: 91.637 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065204.D
 Acq: 17 Feb 2020 18:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.3	83.1	124.7
192	21.7	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

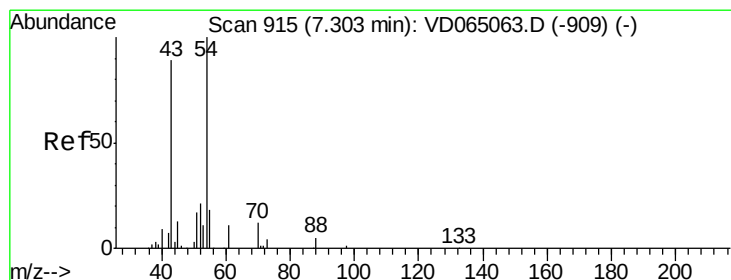
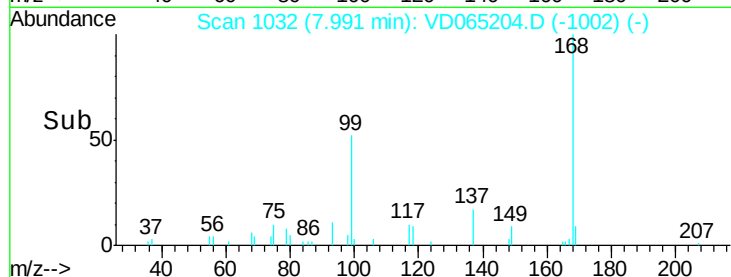
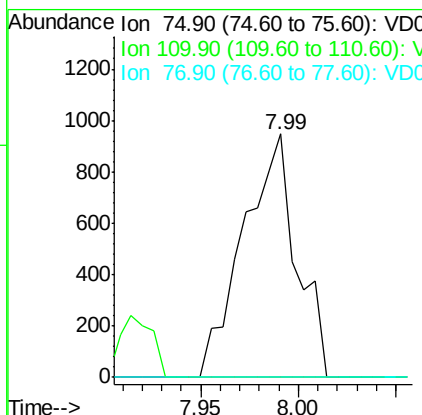
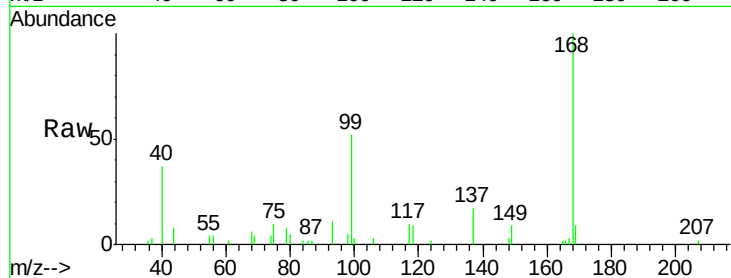




#36
 1,1-Dichloropropene
 Concen: 4.870 ug/l
 RT: 7.99 min Scan# 1032
 Delta R.T. -0.12 min
 Lab File: VD065204.D
 Acq: 17 Feb 2020 18:43

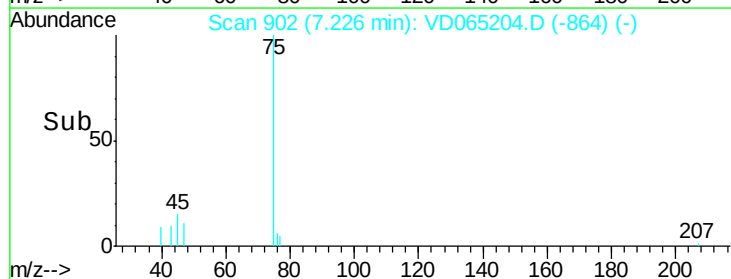
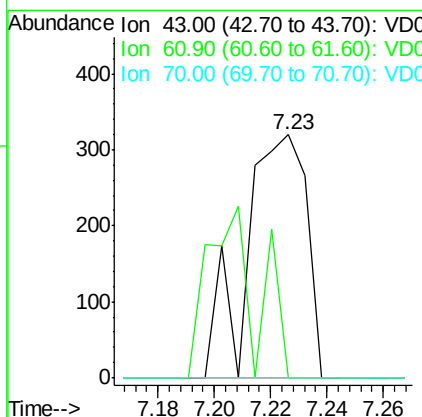
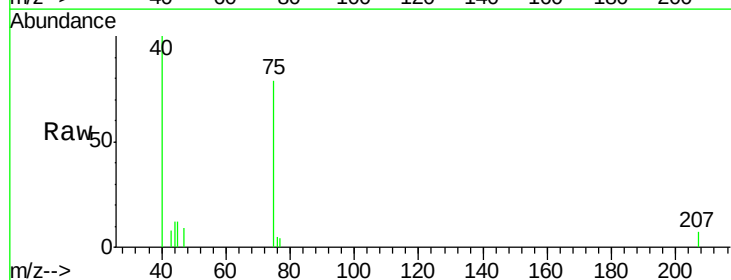
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-3

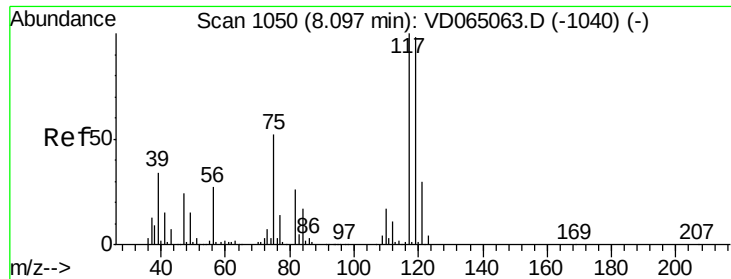
Tot Ion: 75 Resp: 1791
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.1 54.3#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 3.141 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065204.D
 Acq: 17 Feb 2020 18:43

Tgt Ion: 43 Resp: 472
 Ion Ratio Lower Upper
 43 100
 61 57.6 11.0 16.4#
 70 0.0 8.2 12.2#





#38

Carbon Tetrachloride

Concen: 6.025 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD065204.D

Acq: 17 Feb 2020 18:43

Instrument :

MSVOA_D

ClientSampled :

SP-3

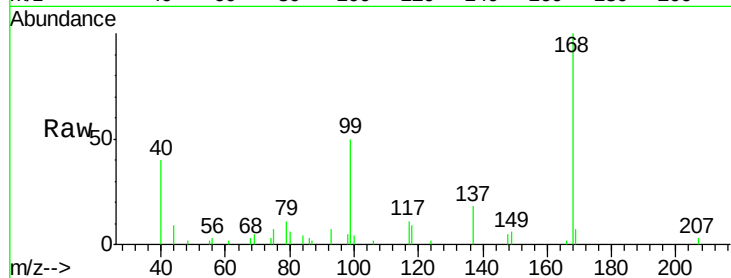
Tot Ion:117 Resp: 2263

Ion Ratio Lower Upper

117 100

119 0.0 78.5 117.7#

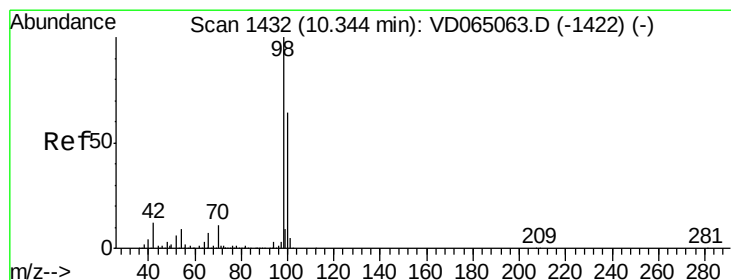
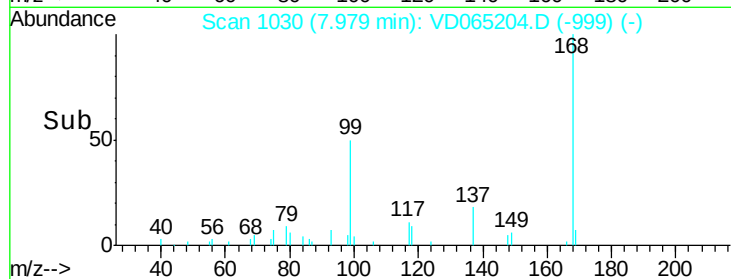
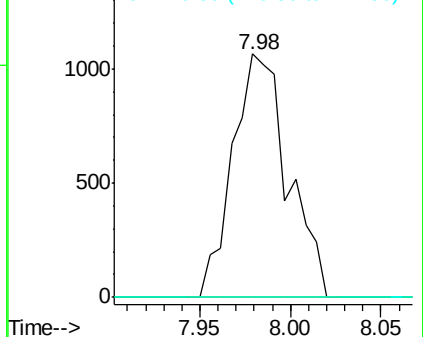
121 0.0 23.8 35.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.559 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065204.D

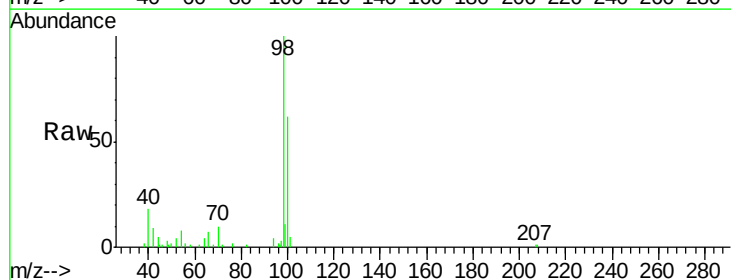
Acq: 17 Feb 2020 18:43

Tgt Ion: 98 Resp: 44409

Ion Ratio Lower Upper

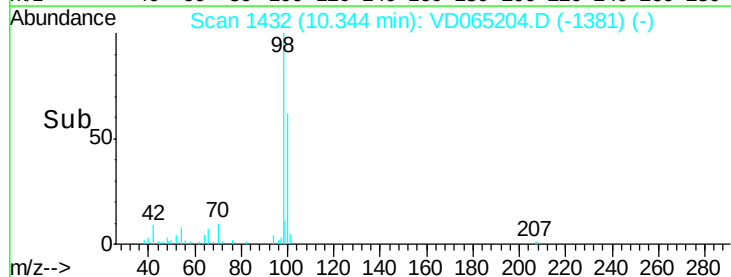
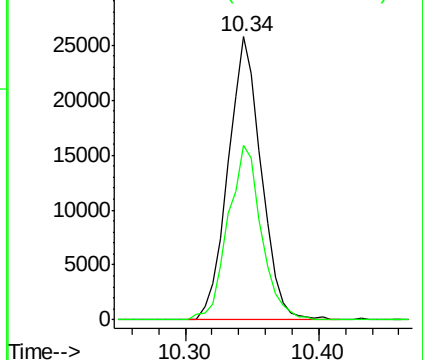
98 100

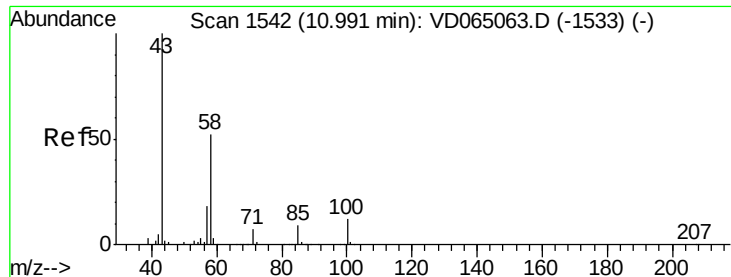
100 62.3 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

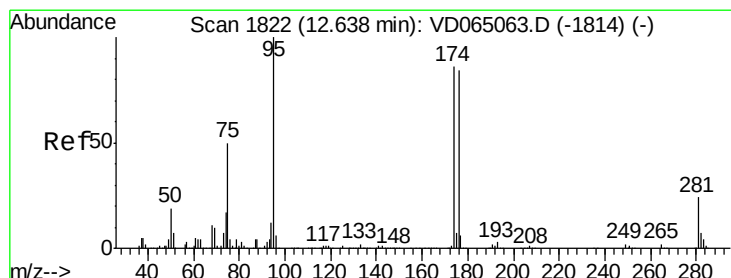
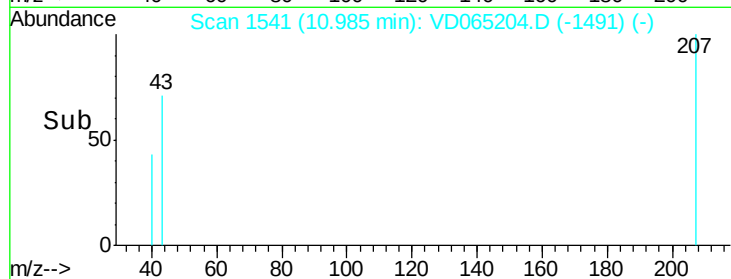
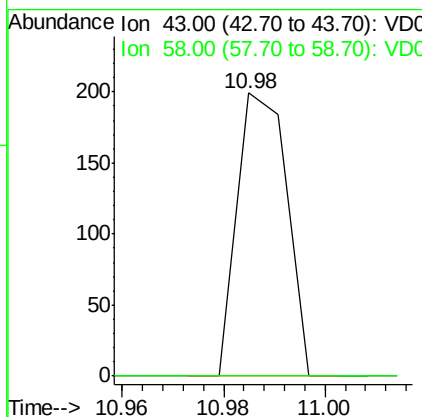
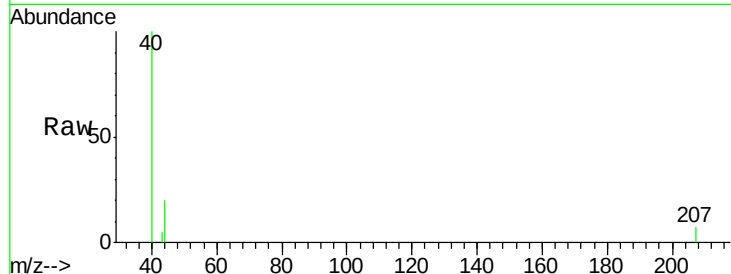




#59
2-Hexanone
Concen: 1.347 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

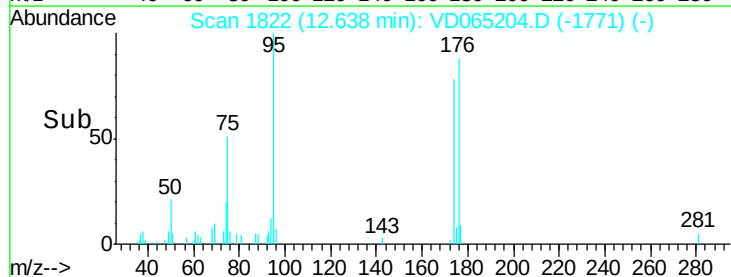
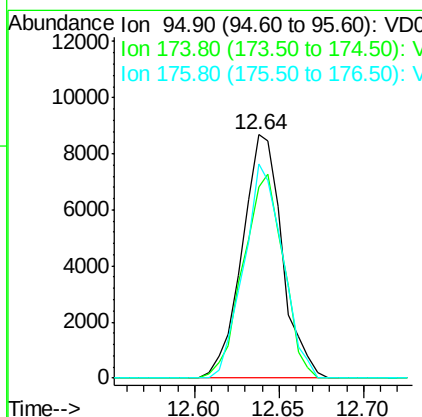
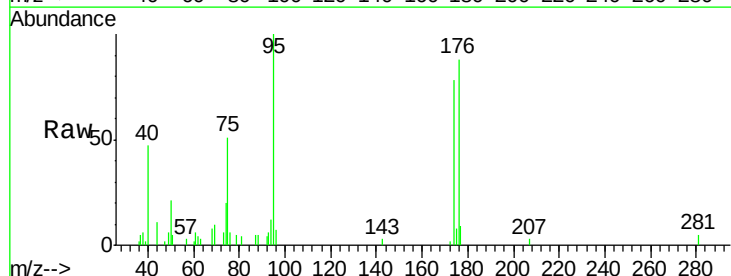
Instrument :
MSVOA_D
ClientSampled :
SP-3

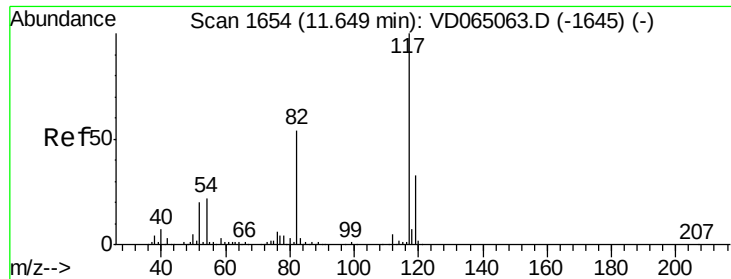
Tot Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 51.362 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

Tgt Ion: 95 Resp: 14295
Ion Ratio Lower Upper
95 100
174 84.3 0.0 180.0
176 85.5 0.0 173.2

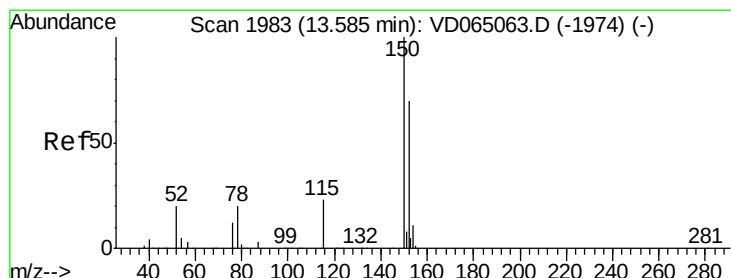
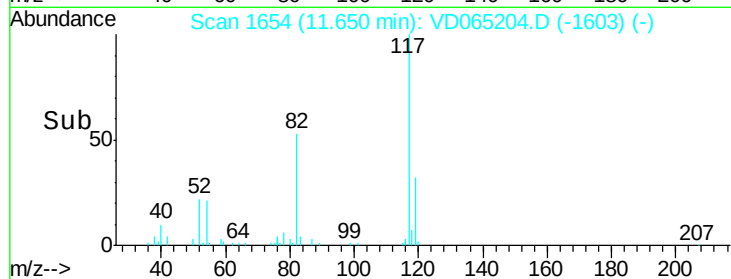
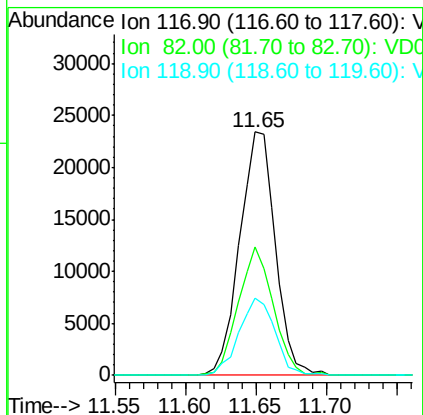
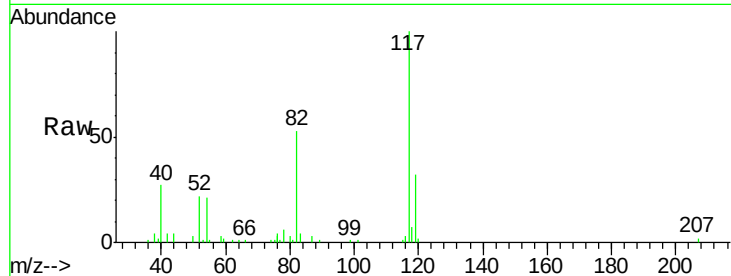




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

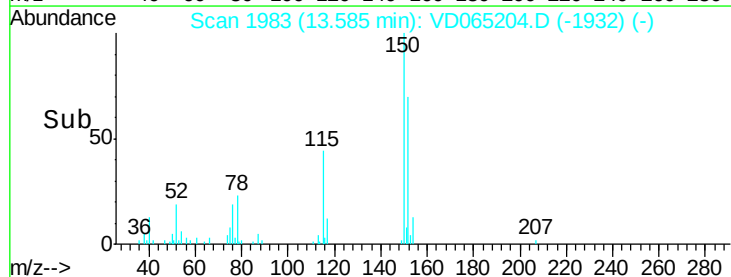
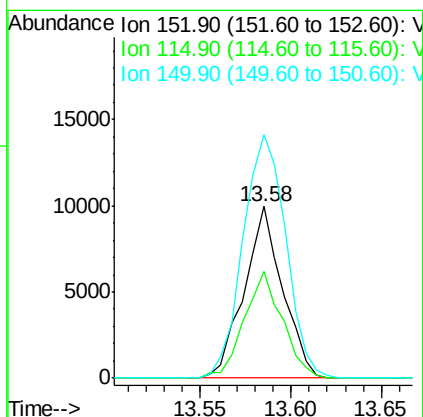
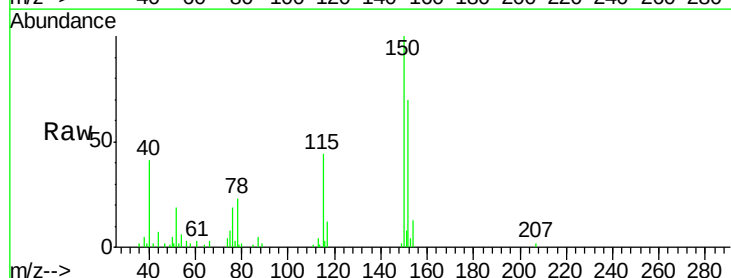
Instrument :
MSVOA_D
ClientSampleId :
SP-3

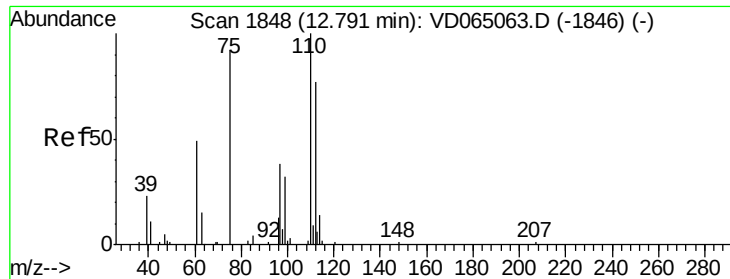
Tot Ion:117 Resp: 41373
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 31.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065204.D
Acq: 17 Feb 2020 18:43

Tgt Ion:152 Resp: 14657
Ion Ratio Lower Upper
152 100
115 61.5 27.5 82.4
150 158.6 0.0 343.2





#76

1,2,3-Trichloropropane

Concen: 70.110 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065204.D

Acq: 17 Feb 2020 18:43

Instrument :

MSVOA_D

ClientSampled :

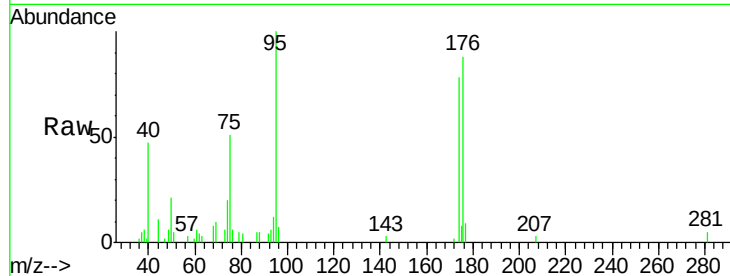
SP-3

Tot Ion: 75 Resp: 7780

Ion Ratio Lower Upper

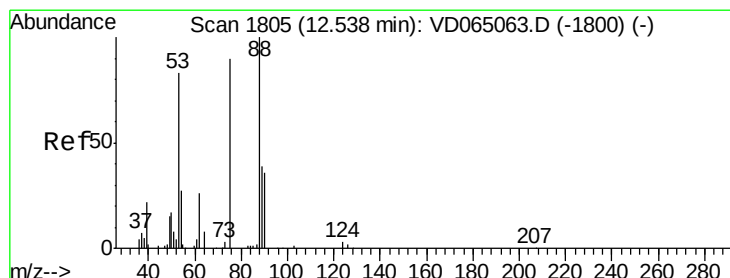
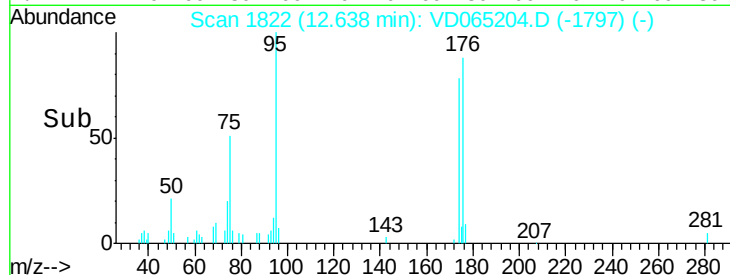
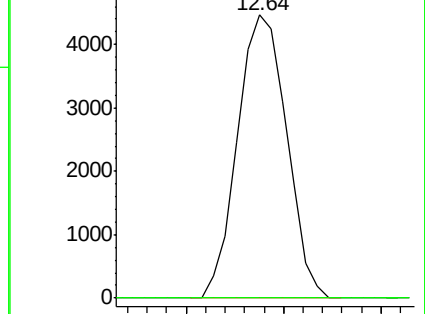
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 140.214 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065204.D

Acq: 17 Feb 2020 18:43

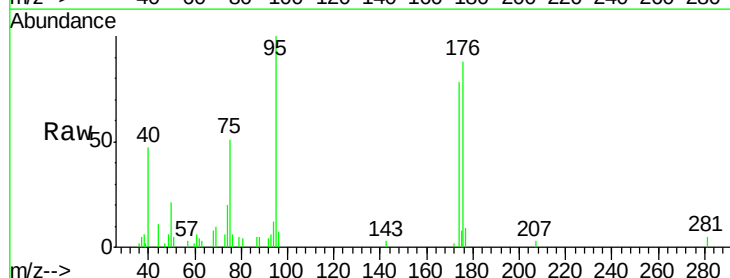
Tgt Ion: 75 Resp: 7780

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

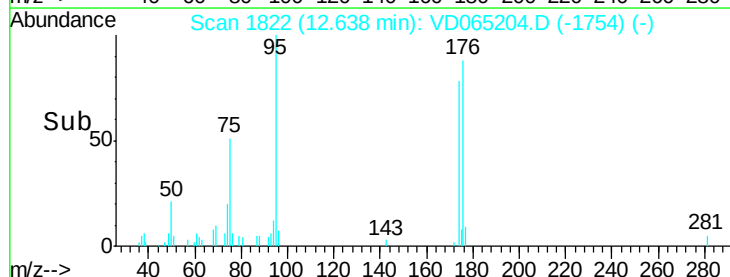
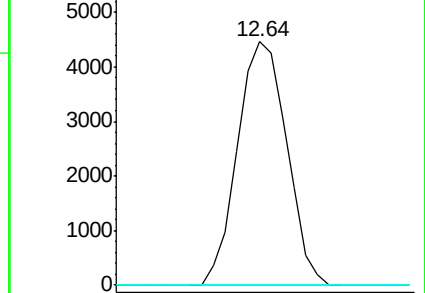
89 0.0 37.0 55.4#

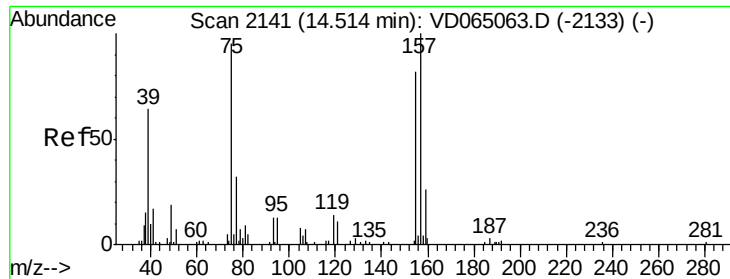


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.631 ug/l

RT: 14.53 min Scan# 2143

Delta R.T. 0.01 min

Lab File: VD065204.D

Acq: 17 Feb 2020 18:43

Instrument :

MSVOA_D

ClientSampleId :

SP-3

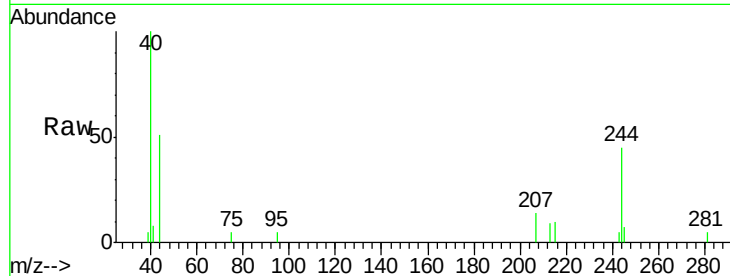
Tot Ion: 75 Resp: 68

Ion Ratio Lower Upper

75 100

155 0.0 43.4 130.1#

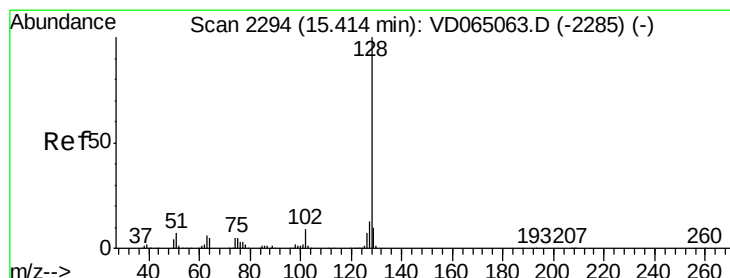
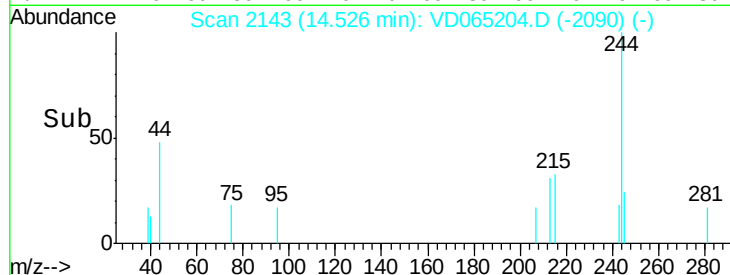
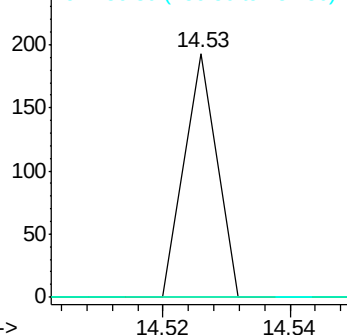
157 0.0 55.8 167.3#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 1.031 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD065204.D

Acq: 17 Feb 2020 18:43

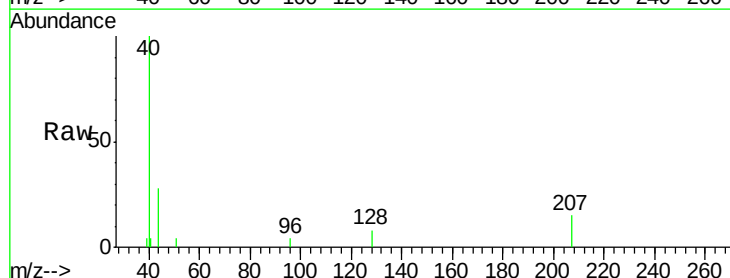
Tgt Ion: 128 Resp: 476

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 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

