

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065189.D
 Acq On : 14 Feb 2020 16:19
 Operator : VA/SY
 Sample : L1531-02
 Misc : 7.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 15 00:10:19 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	7.98	168	160812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	253990	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	303380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155248	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	103795	75.94	ug/l	0.00
Spiked Amount			Recovery	=	151.88%	
35) Dibromofluoromethane	7.92	113	93253	65.81	ug/l	0.00
Spiked Amount			Recovery	=	131.62%	
50) Toluene-d8	10.34	98	316553	56.12	ug/l	0.00
Spiked Amount			Recovery	=	112.24%	
62) 4-Bromofluorobenzene	12.64	95	129659	72.55	ug/l	0.00
Spiked Amount			Recovery	=	145.10%	

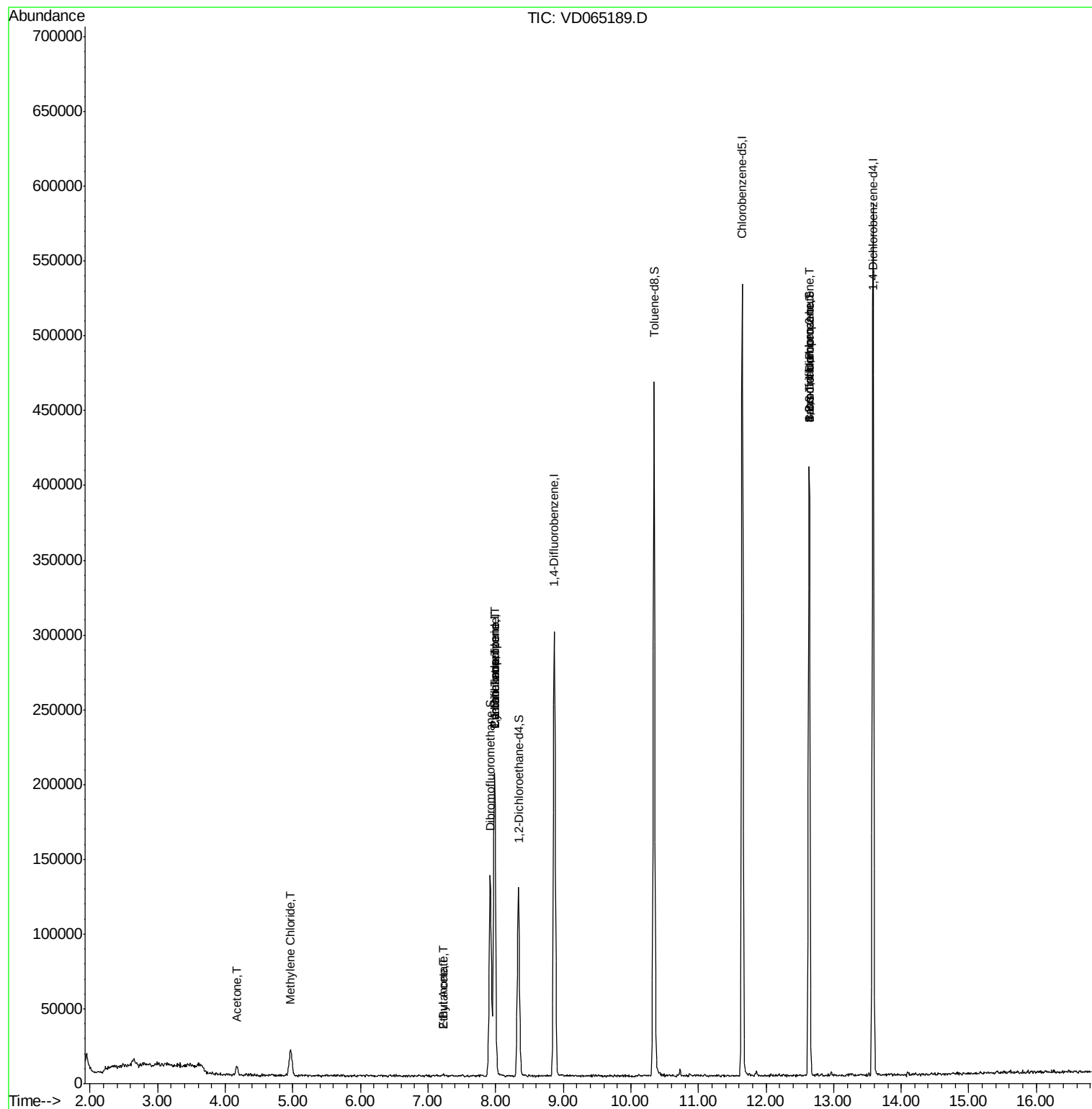
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	9732	28.480	ug/l	90
20) Methylene Chloride	4.97	84	13130	5.195	ug/l	95
25) 2-Butanone	7.23	43	1897	4.654	ug/l #	50
31) Cyclohexane	7.99	56	3640	1.339	ug/l #	55
36) 1,1-Dichloropropene	7.98	75	12378	5.241	ug/l #	48
37) Ethyl Acetate	7.23	43	1897	1.966	ug/l #	74
38) Carbon Tetrachloride	7.98	117	15129	6.272	ug/l #	17
71) Bromoform	12.64	173	1432	1.228	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	66980	56.985	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	66980	113.966	ug/l #	10

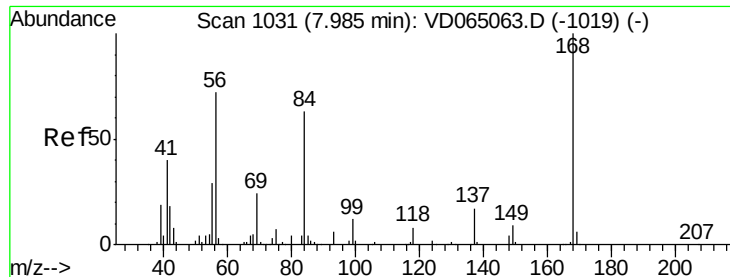
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021420\
Data File : VD065189.D
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Sample : L1531-02
Misc : 7.57G/5.00ml/MSVOA D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Feb 15 00:10:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065189.D

Acq: 14 Feb 2020 16:19

Instrument :

MSVOA_D

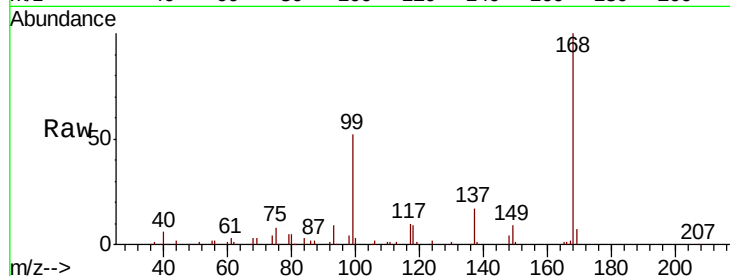
ClientSampleId :

Tot Ion:168 Resp: 160812

Ion Ratio Lower Upper

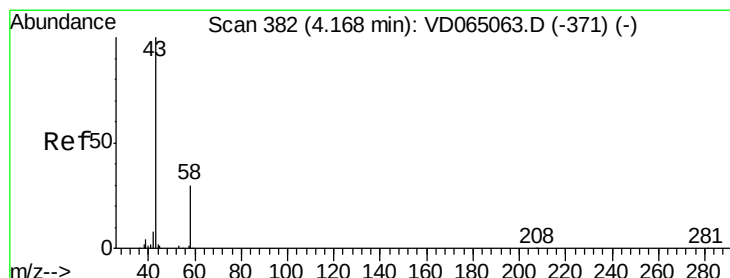
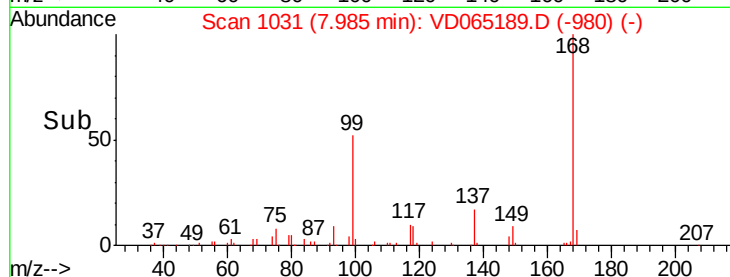
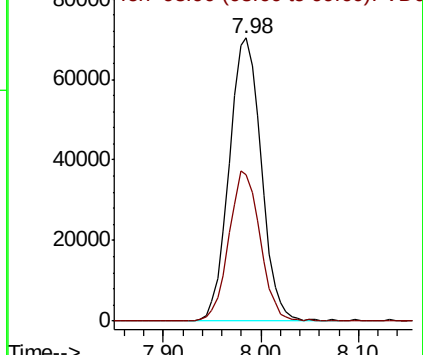
168 100

99 51.8 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: 28.480 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065189.D

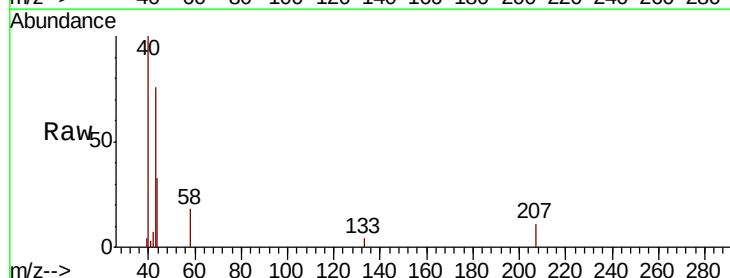
Acq: 14 Feb 2020 16:19

Tgt Ion: 43 Resp: 9732

Ion Ratio Lower Upper

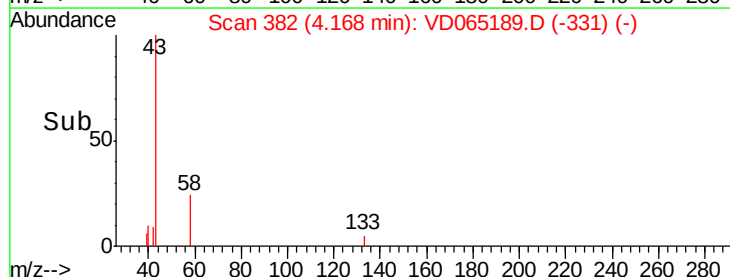
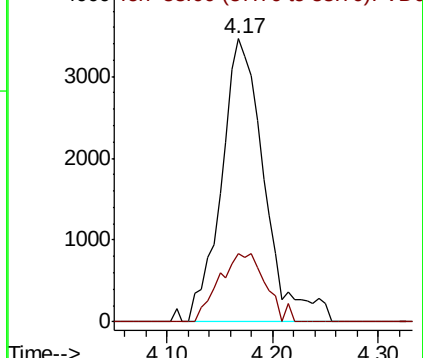
43 100

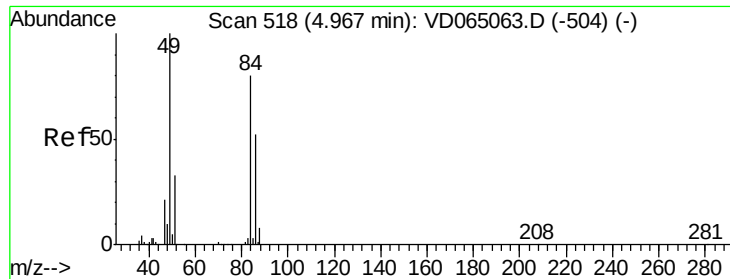
58 24.3 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

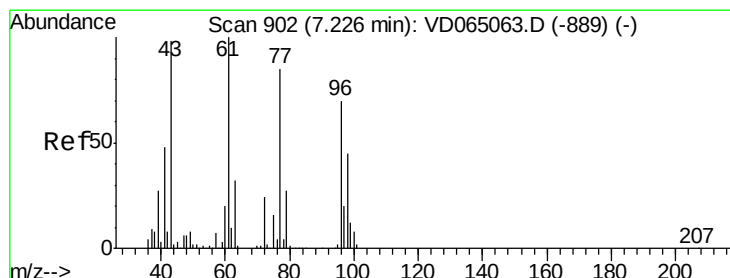
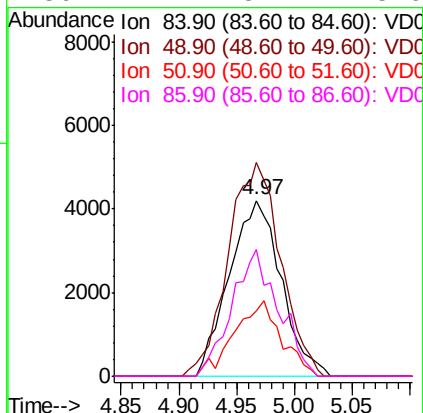
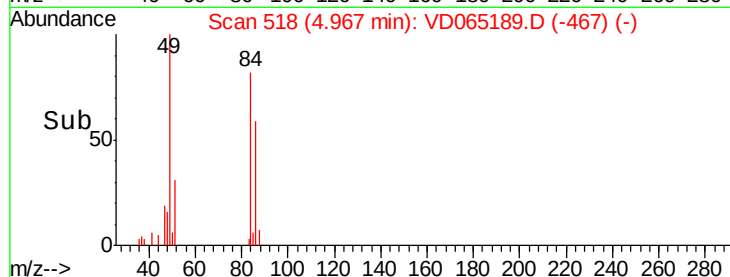
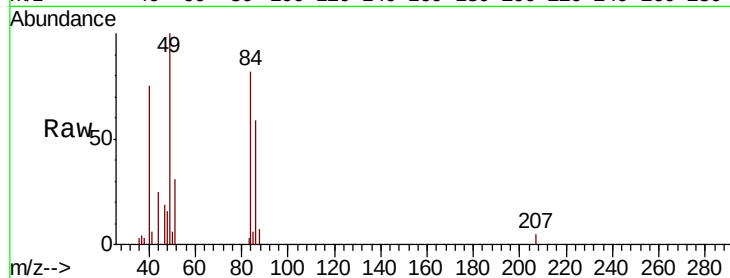




#20
Methylene Chloride
Concen: 5.195 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

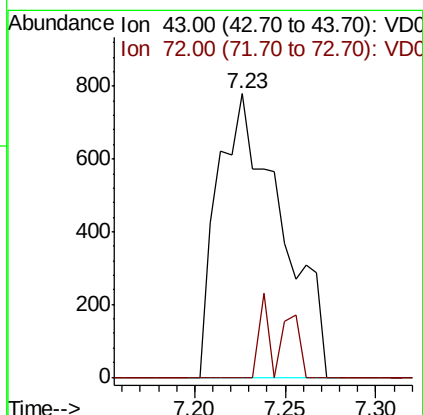
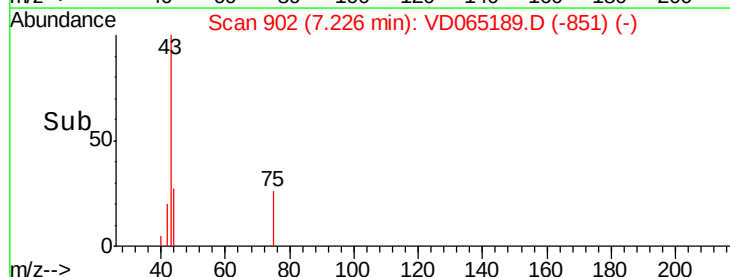
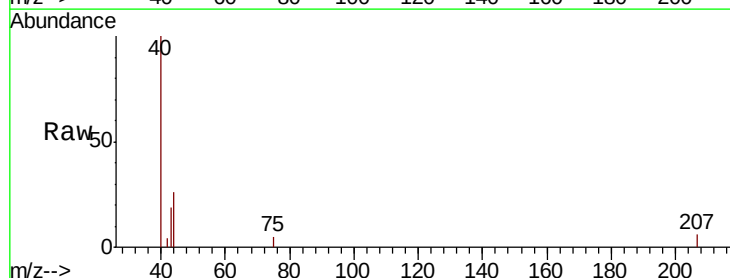
Instrument :
MSVOA_D
ClientSampleId :

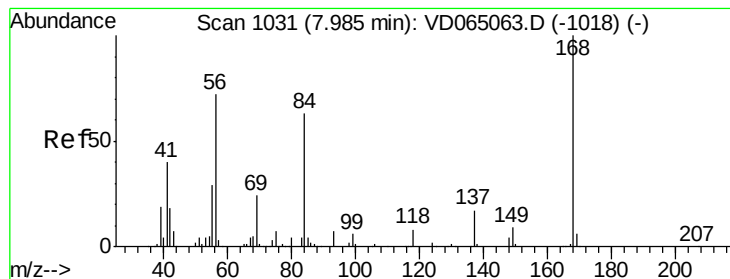
Tot Ion: 84 Resp: 13130
Ion Ratio Lower Upper
84 100
49 121.5 100.4 150.6
51 37.2 32.7 49.1
86 72.1 52.4 78.6



#25
2-Butanone
Concen: 4.654 ug/l
RT: 7.23 min Scan# 902
Delta R.T. -0.00 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD065189.D

Acq: 14 Feb 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

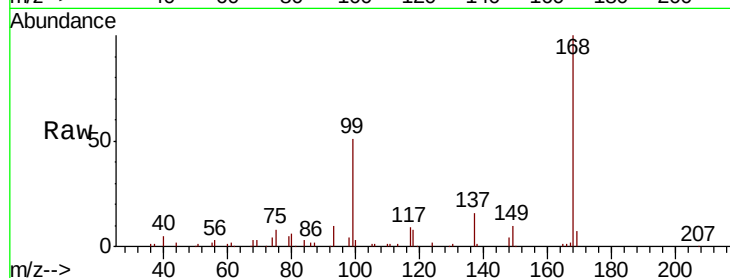
Tot Ion: 56 Resp: 3640

Ion Ratio Lower Upper

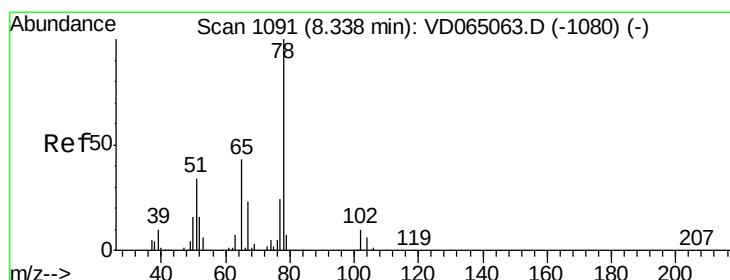
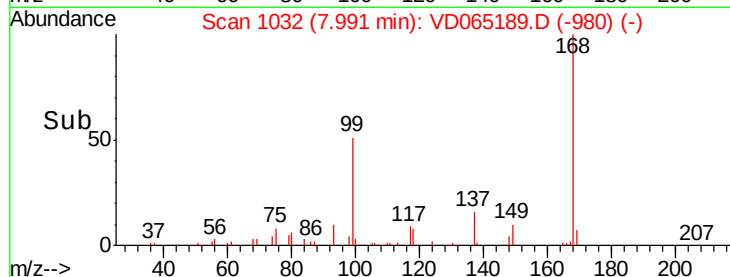
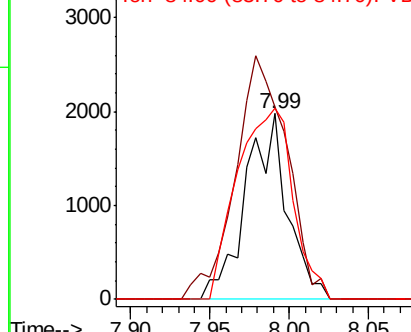
56 100

69 103.7 26.6 40.0#

84 102.7 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: 75.942 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065189.D

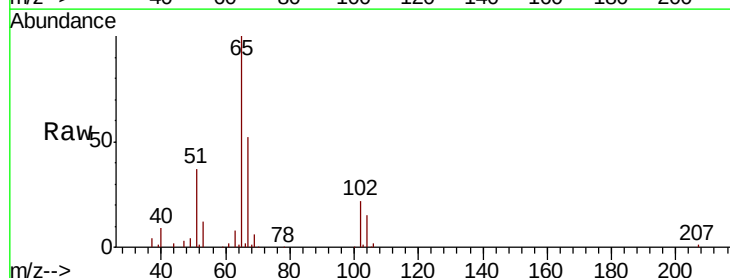
Acq: 14 Feb 2020 16:19

Tgt Ion: 65 Resp: 103795

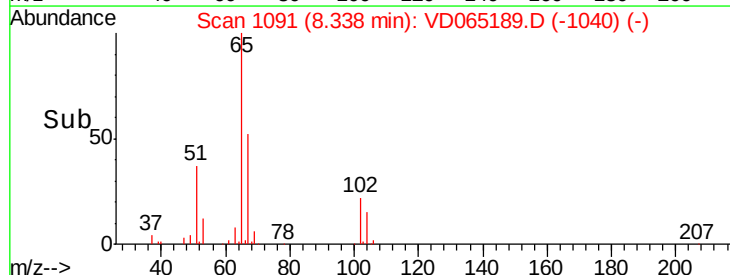
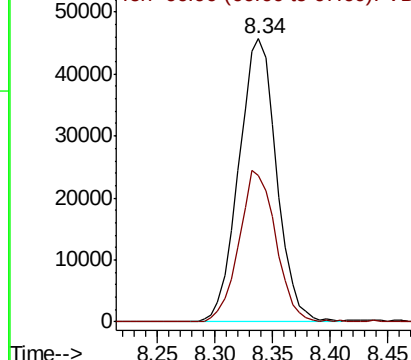
Ion Ratio Lower Upper

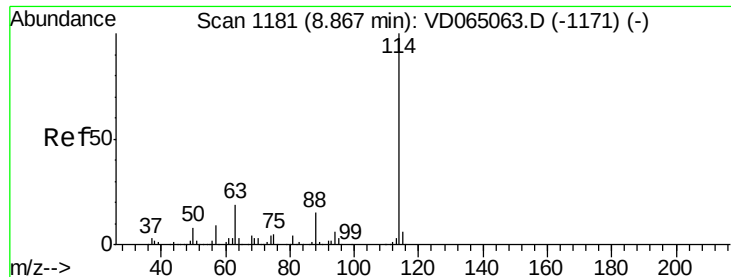
65 100

67 51.9 0.0 105.8



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

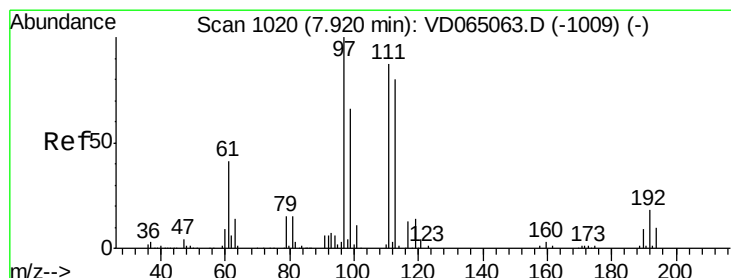
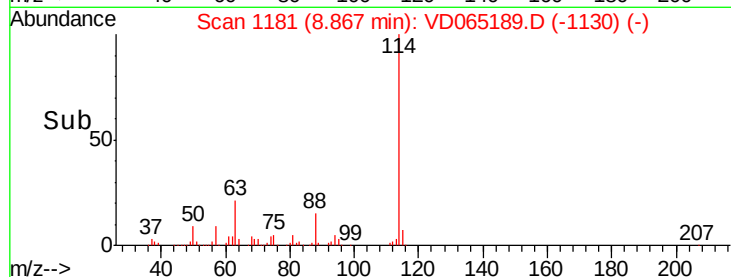
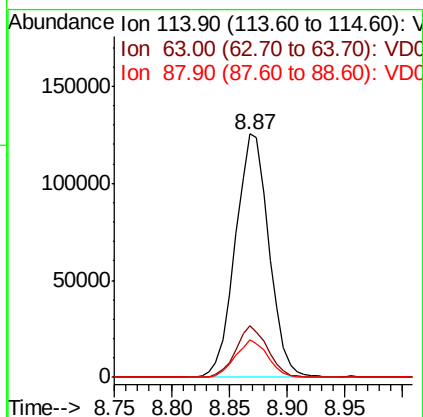
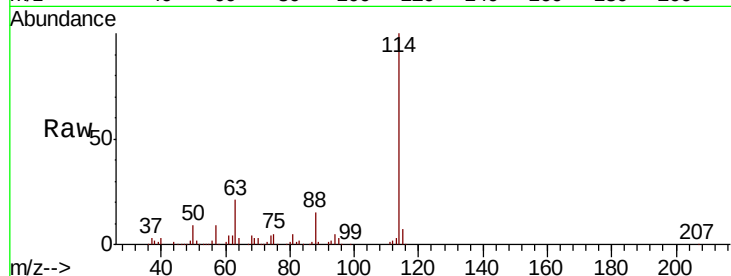




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065189.D
 Acq: 14 Feb 2020 16:19

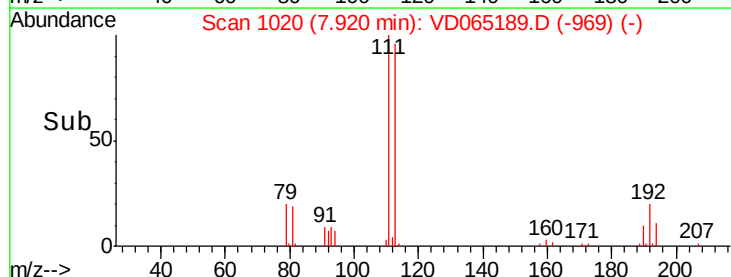
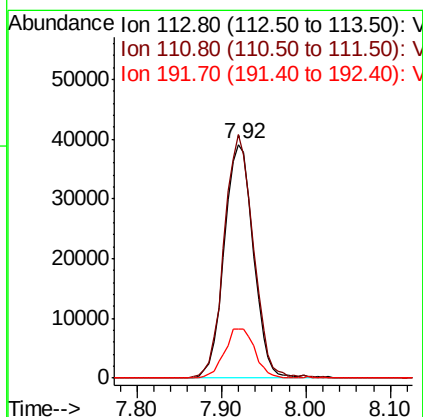
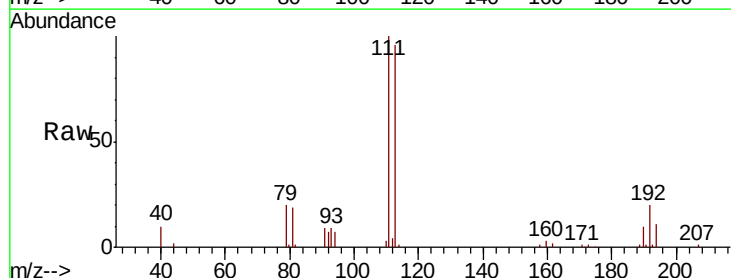
Instrument :
 MSVOA_D
 ClientSampleId :

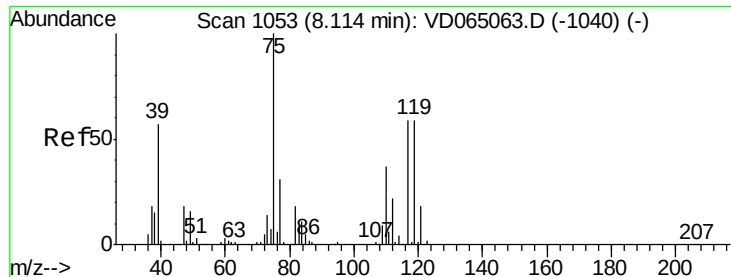
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	38.8
88	15.3	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 65.805 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065189.D
 Acq: 14 Feb 2020 16:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.1	83.1	124.7
192	21.8	18.1	27.1

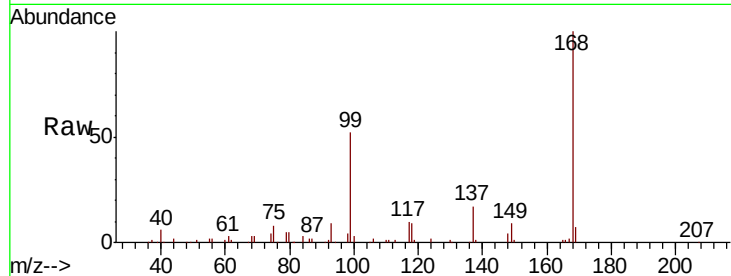




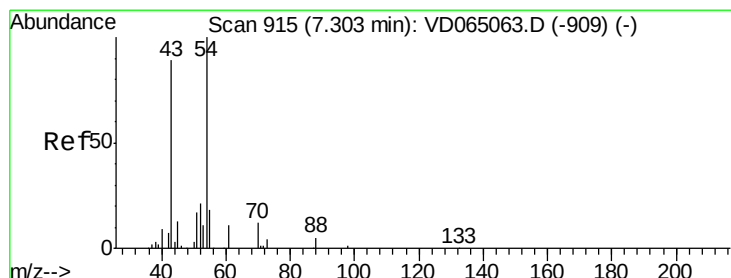
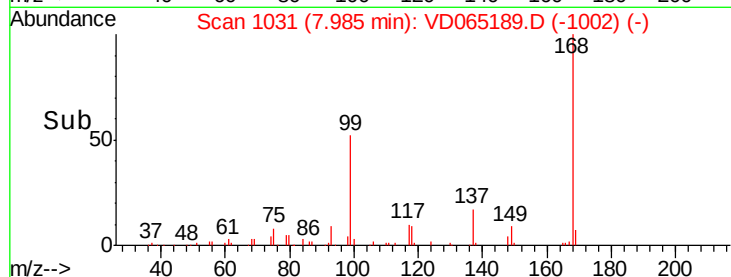
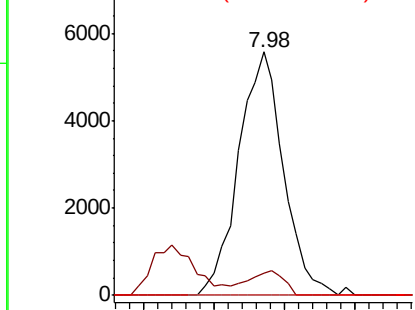
#36
 1,1-Dichloropropene
 Concen: 5.241 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065189.D
 Acq: 14 Feb 2020 16:19

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.1	54.3#
77	0.0	24.7	37.1#

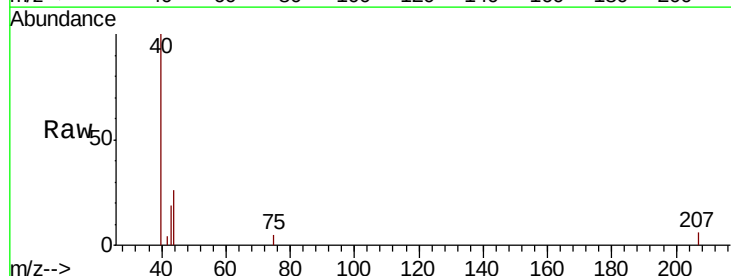


Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): VDC
 Ion 76.90 (76.60 to 77.60): VDC

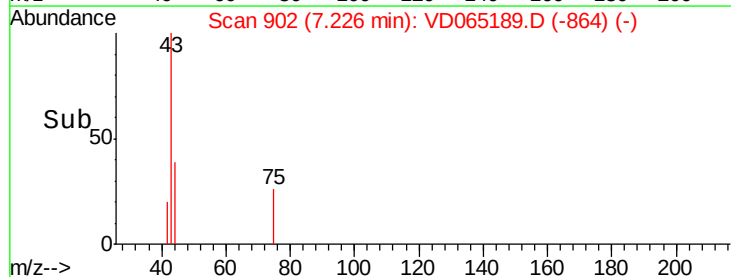
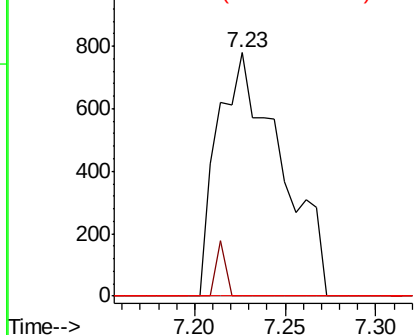


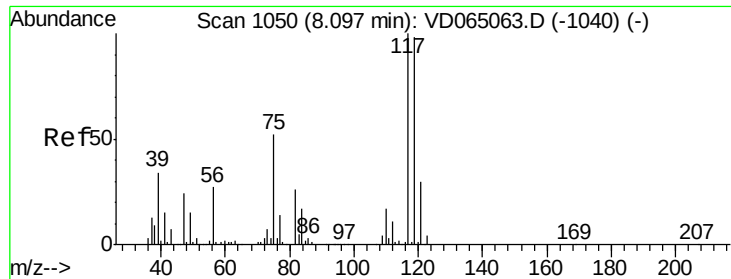
#37
 Ethyl Acetate
 Concen: 1.966 ug/l
 RT: 7.23 min Scan# 902
 Delta R.T. -0.08 min
 Lab File: VD065189.D
 Acq: 14 Feb 2020 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.3	11.0	16.4#
70	0.0	8.2	12.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 70.00 (69.70 to 70.70): VDC

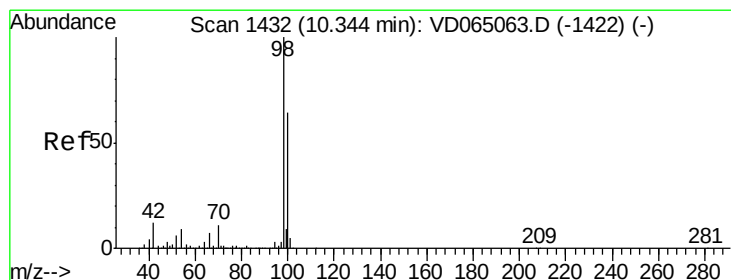
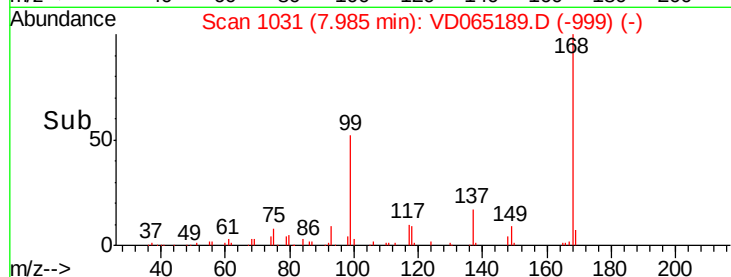
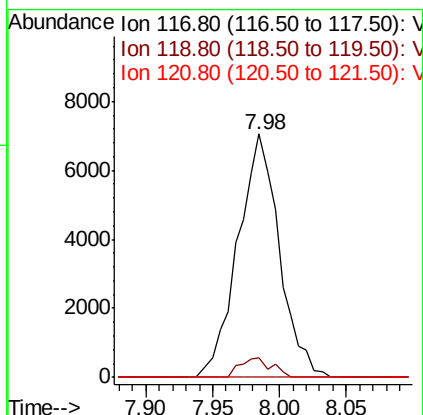
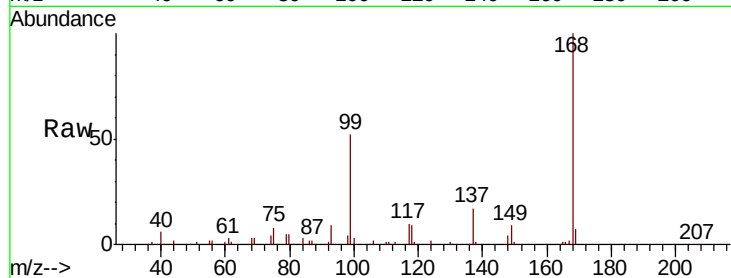




#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

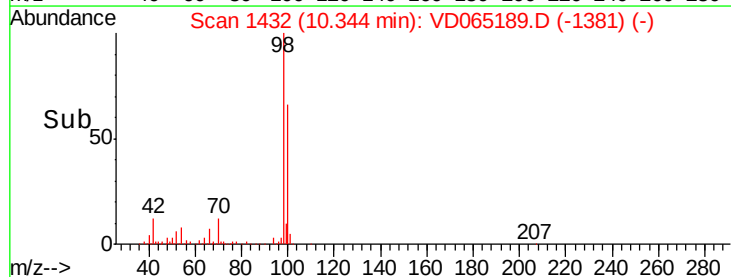
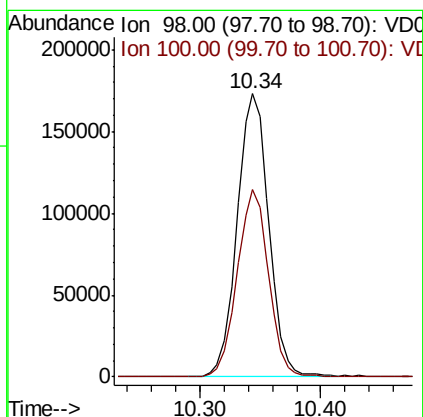
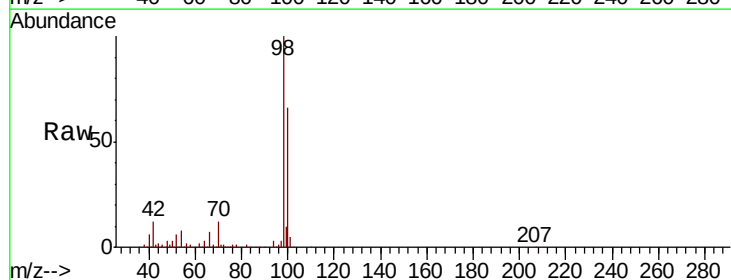
Instrument :
MSVOA_D
ClientSampled :

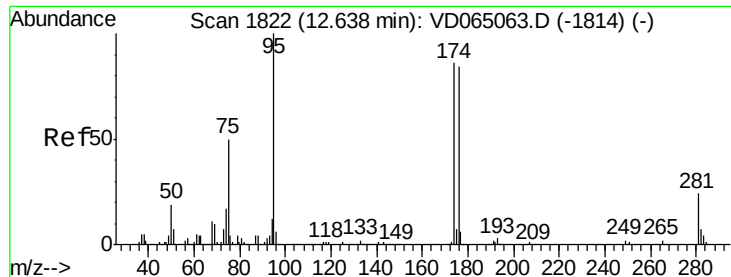
Tot Ion:117 Resp: 15129
Ion Ratio Lower Upper
117 100
119 8.2 78.5 117.7#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 56.121 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

Tgt Ion: 98 Resp: 316553
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1

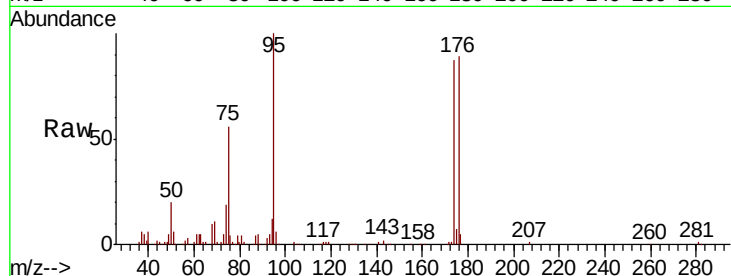




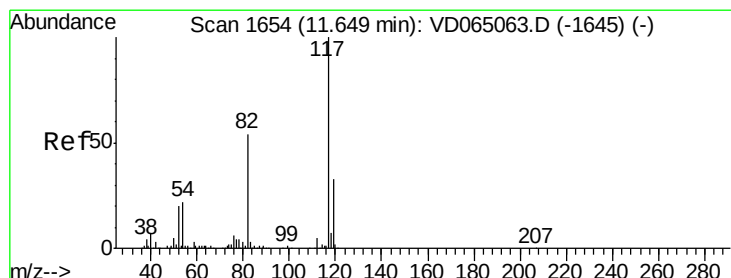
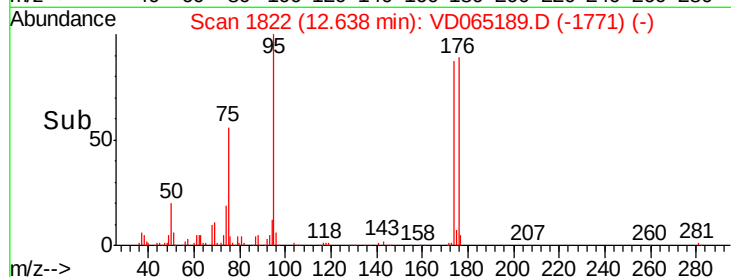
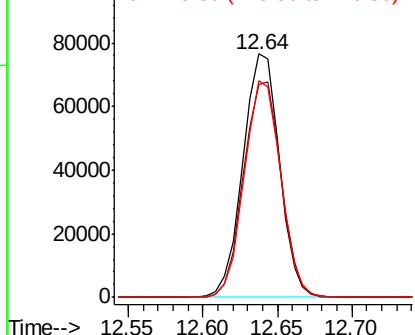
#62
4-Bromofluorobenzene
Concen: 72.546 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	95	Resp	129659
Ion Ratio	100	Lower	Upper
174	90.5	0.0	180.0
176	88.9	0.0	173.2

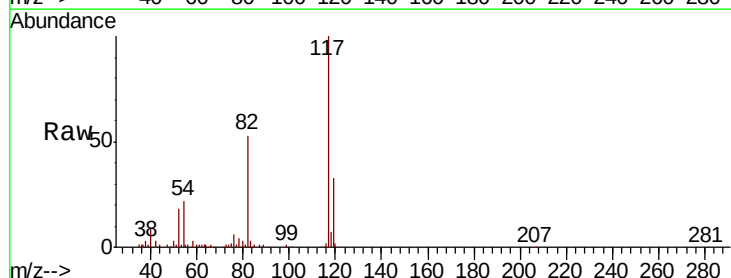


Abundance Ion 94.90 (94.60 to 95.60): VD
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

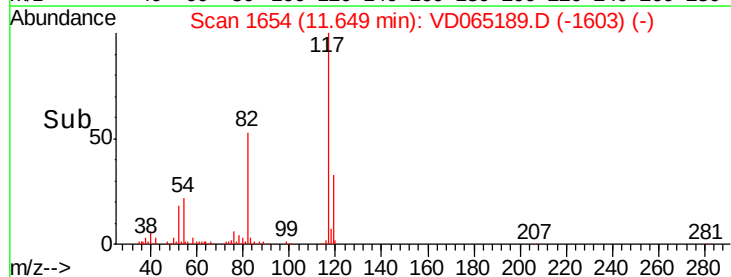
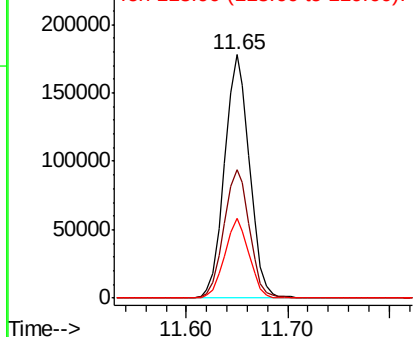


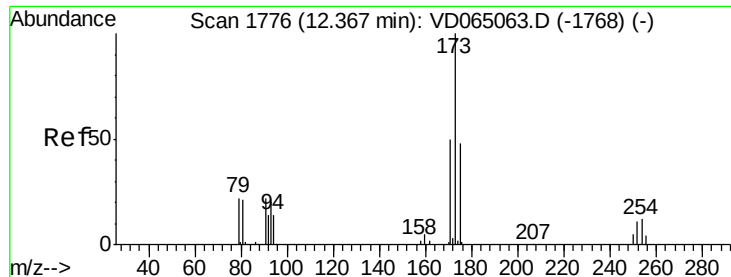
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065189.D
Acq: 14 Feb 2020 16:19

Tgt Ion	117	Resp	303380
Ion Ratio	100	Lower	Upper
82	52.7	43.1	64.7
119	32.9	26.0	39.0



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





#71

Bromoform

Concen: 1.228 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.27 min

Lab File: VD065189.D

Acq: 14 Feb 2020 16:19

Instrument :

MSVOA_D

ClientSampleId :

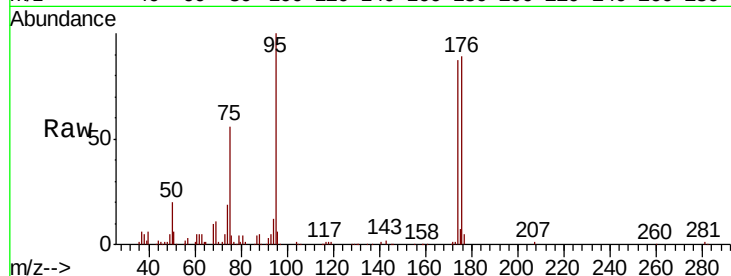
Tot Ion:173 Resp: 1432

Ion Ratio Lower Upper

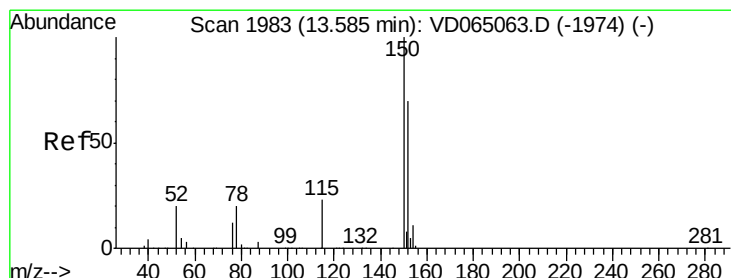
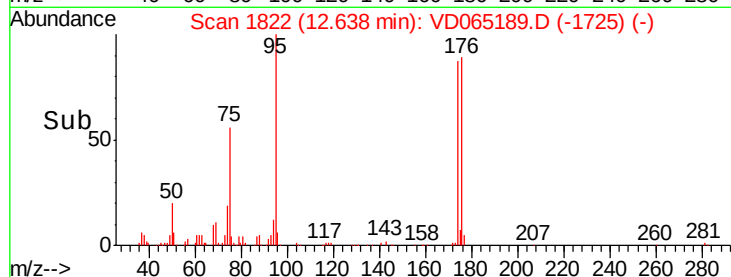
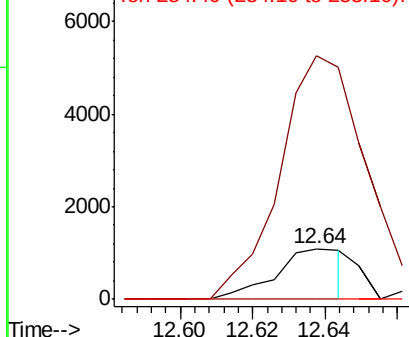
173 100

175 450.9 24.3 72.8#

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VD065189.D

Acq: 14 Feb 2020 16:19

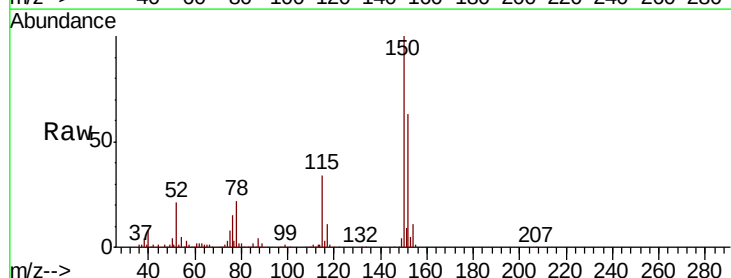
Tgt Ion:152 Resp: 155248

Ion Ratio Lower Upper

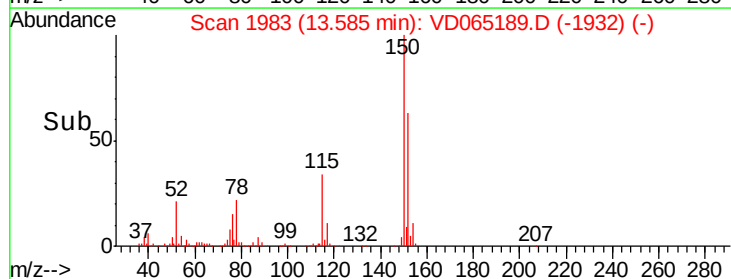
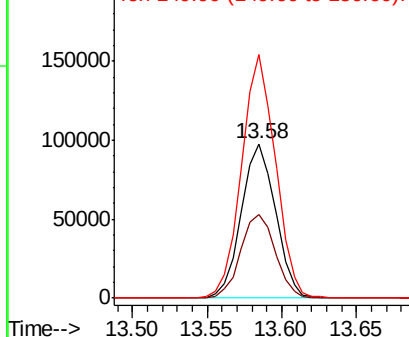
152 100

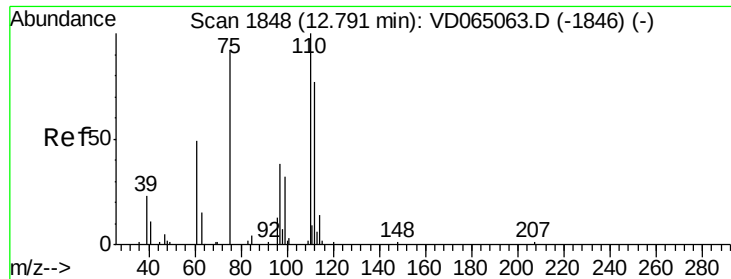
115 54.7 27.5 82.4

150 156.0 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: 56.985 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065189.D

Acq: 14 Feb 2020 16:19

Instrument :

MSVOA_D

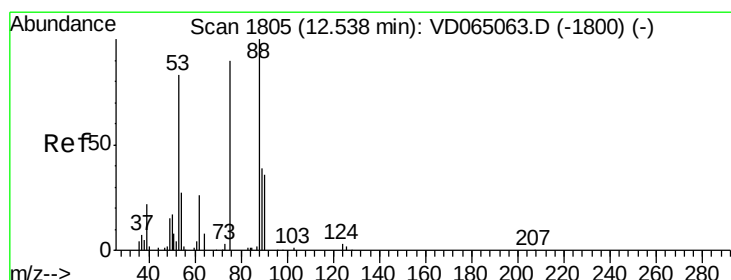
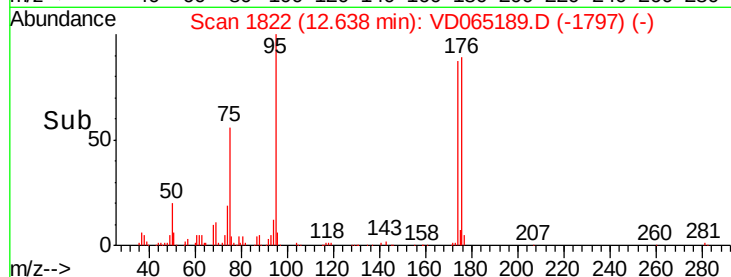
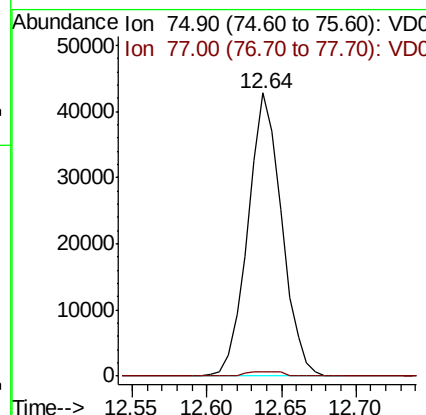
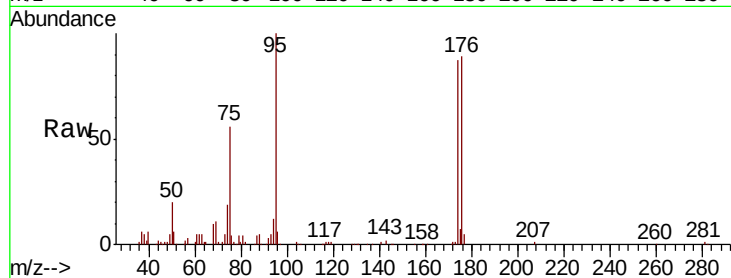
ClientSampleId :

Tot Ion: 75 Resp: 66980

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 113.966 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD065189.D

Acq: 14 Feb 2020 16:19

Tgt Ion: 75 Resp: 66980

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.1 37.0 55.4#

