

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065446.D
 Acq On : 09 Mar 2020 13:28
 Operator : VA/SY
 Sample : L1844-02
 Misc : 7.92G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 10 12:20:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	501628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	785234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	484169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	84712	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	228580	53.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.24%	
35) Dibromofluoromethane	7.92	113	266084	54.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.60%	
50) Toluene-d8	10.34	98	875057	46.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.94%	
62) 4-Bromofluorobenzene	12.64	95	125672	21.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	43.70%	

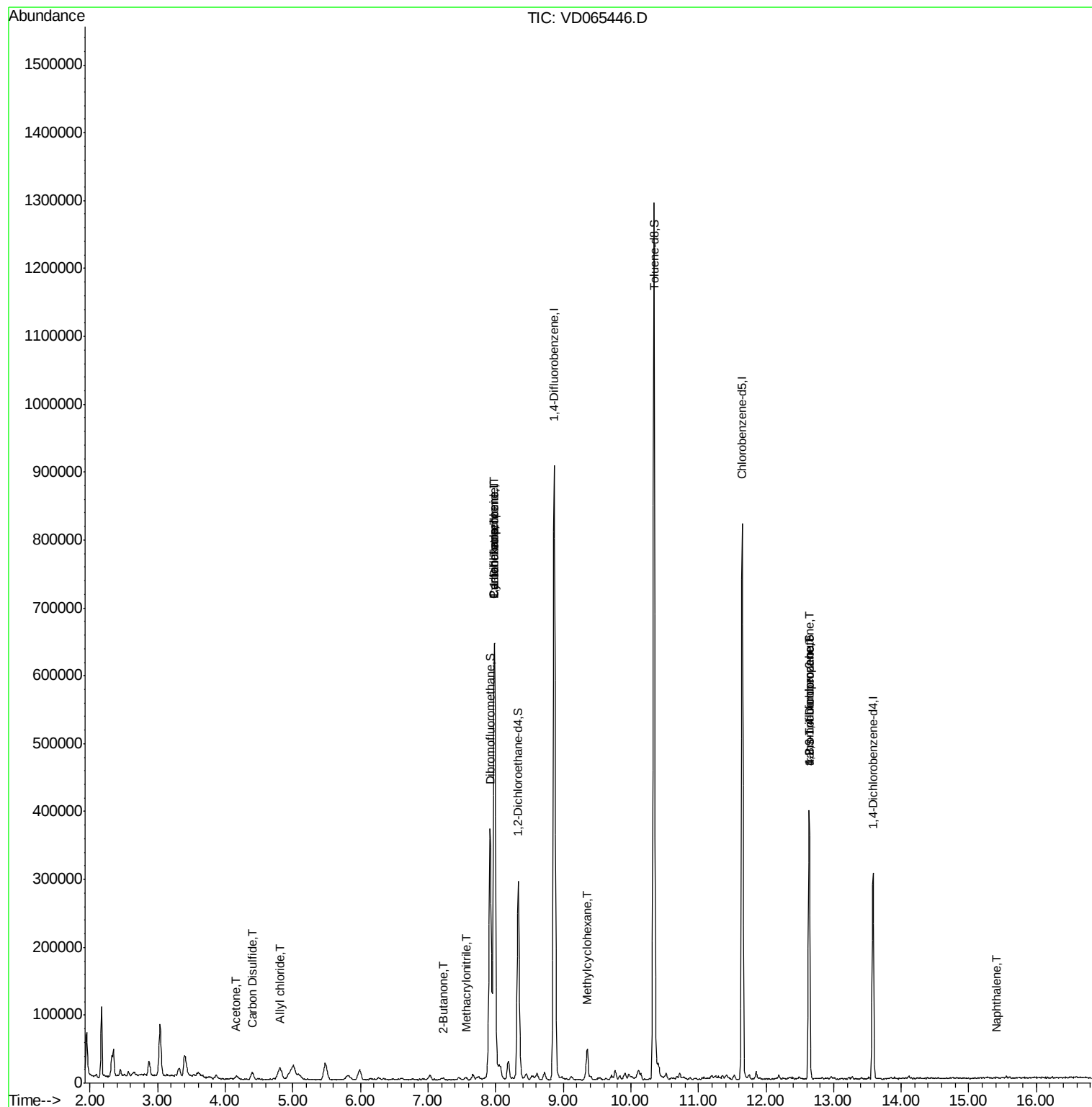
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.77	94	980	Below Cal	#	40
14) Allyl chloride	4.81	41	10541	1.471	ug/l #	76
16) Acetone	4.17	43	8868	10.190	ug/l #	82
17) Carbon Disulfide	4.40	76	22253	1.432	ug/l #	93
20) Methylene Chloride	4.97	84	4862	Below Cal	#	69
25) 2-Butanone	7.23	43	1734	1.460	ug/l #	65
31) Cyclohexane	7.99	56	21567	2.524	ug/l #	59
36) 1,1-Dichloropropene	7.99	75	35502	4.717	ug/l #	49
38) Carbon Tetrachloride	7.99	117	46858	6.003	ug/l #	19
39) Methylcyclohexane	9.35	83	16875	1.856	ug/l	97
41) Methacrylonitrile	7.56	41	1713	1.113	ug/l #	34
76) 1,2,3-Trichloropropane	12.64	75	60321	90.240	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	60321	190.434	ug/l #	14
95) Naphthalene	15.41	128	1597	4.939	ug/l #	74

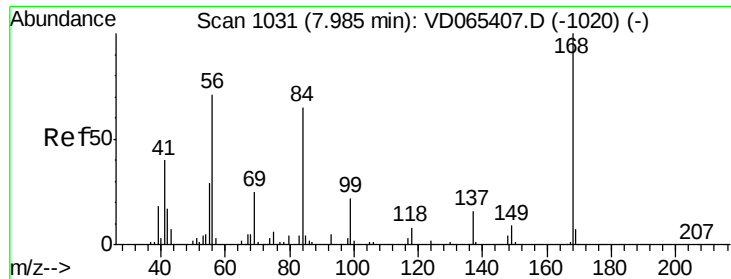
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030920\
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QLast Update : Thu Mar 05 01:22:07 2020
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: VD065446.D

Acq: 09 Mar 2020 13:28

Instrument :

MSVOA_D

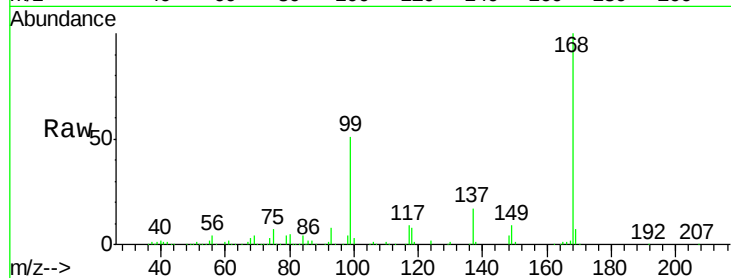
ClientSampleId :

Tot Ion:168 Resp: 501628

Ion Ratio Lower Upper

168 100

99 50.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

250000

200000

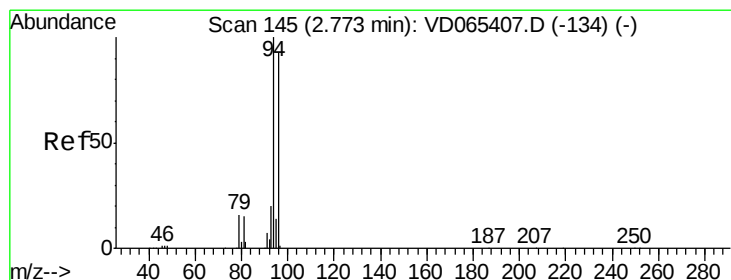
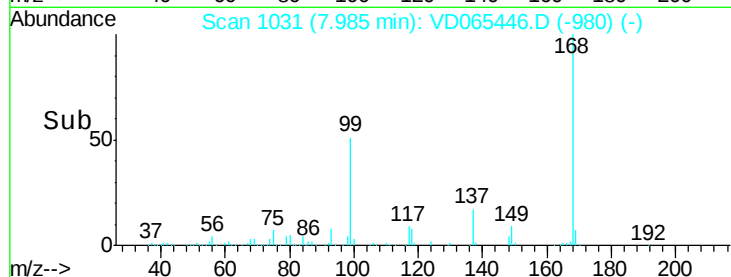
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065446.D

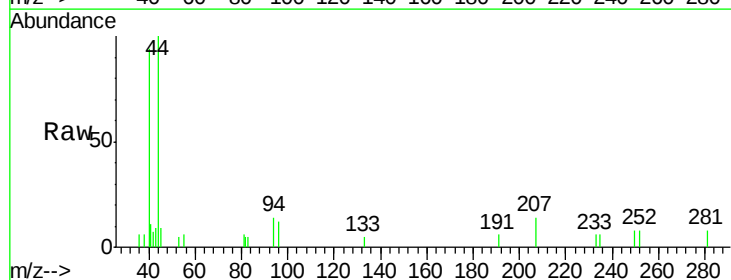
Acq: 09 Mar 2020 13:28

Tgt Ion: 94 Resp: 980

Ion Ratio Lower Upper

94 100

96 35.7 74.4 111.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

600

500

400

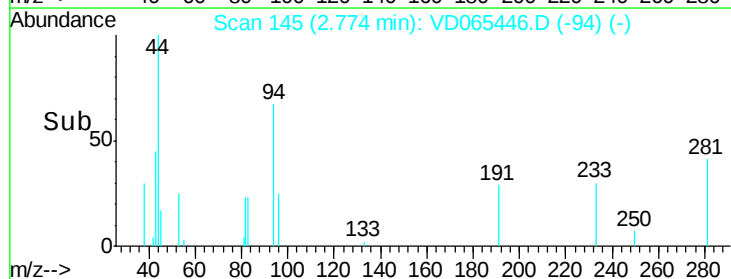
300

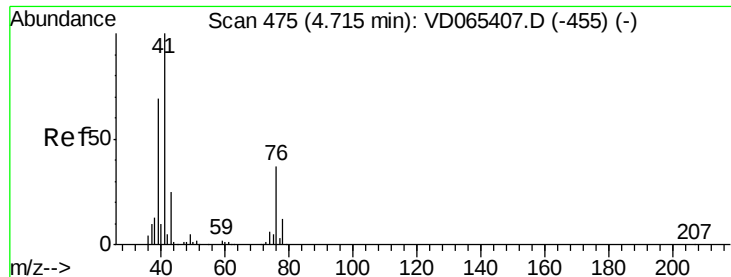
200

100

0

Time-->

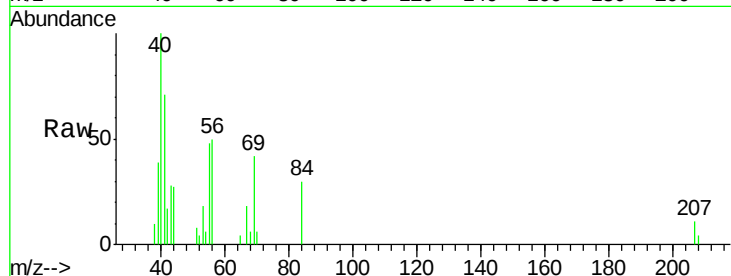




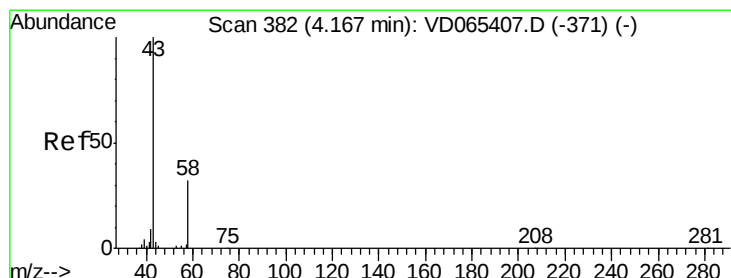
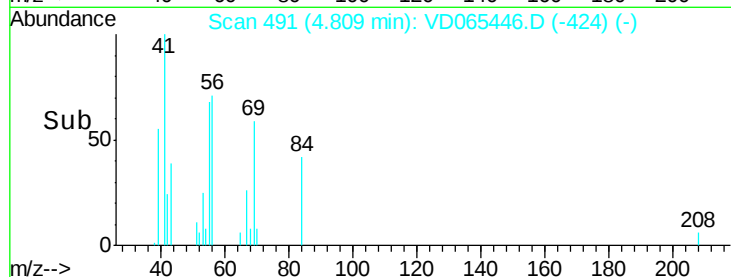
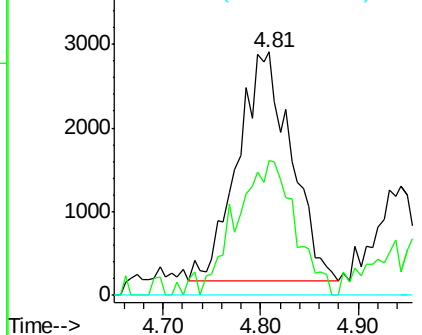
#14
Allv1 chloride
Concen: 1.471 ug/l
RT: 4.81 min Scan# 491
Delta R.T. 0.09 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 10541
Ion Ratio Lower Upper
41 100
39 63.7 52.6 79.0
76 0.0 29.2 43.8#

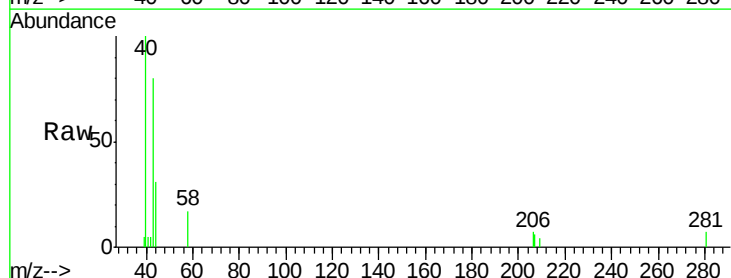


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 75.90 (75.60 to 76.60): VDC

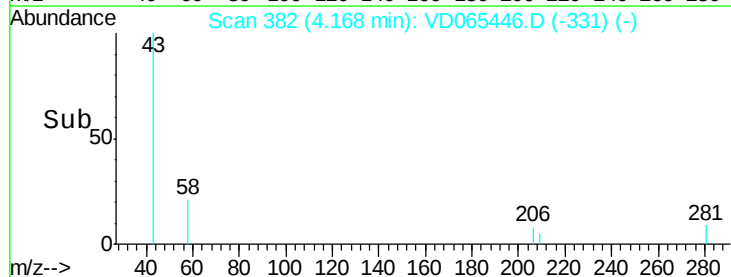
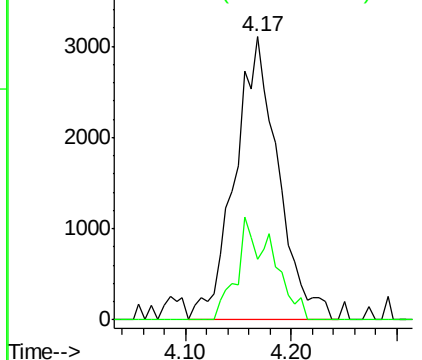


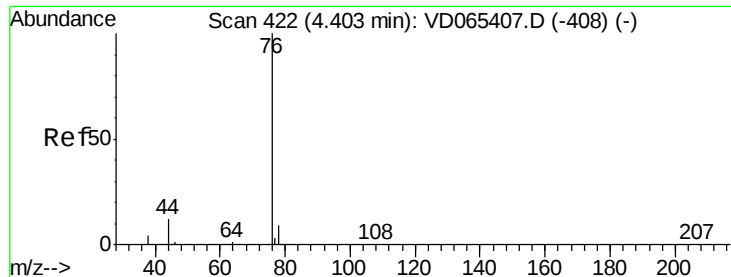
#16
Acetone
Concen: 10.190 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 43 Resp: 8868
Ion Ratio Lower Upper
43 100
58 21.4 25.1 37.7#



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

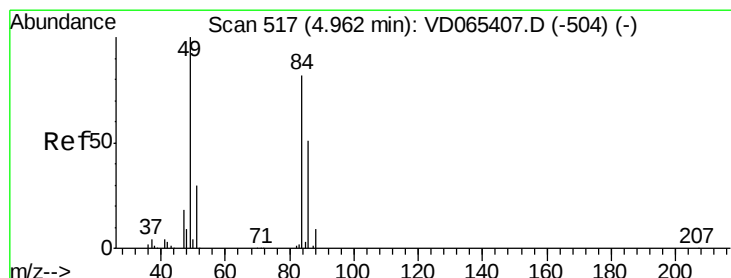
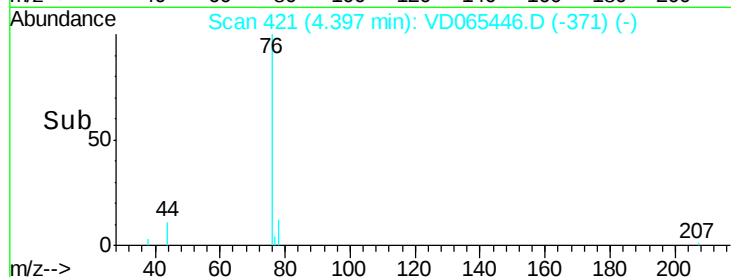
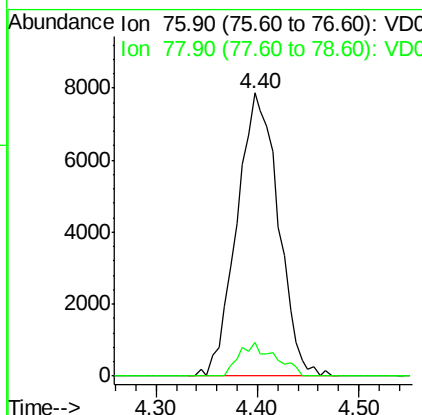
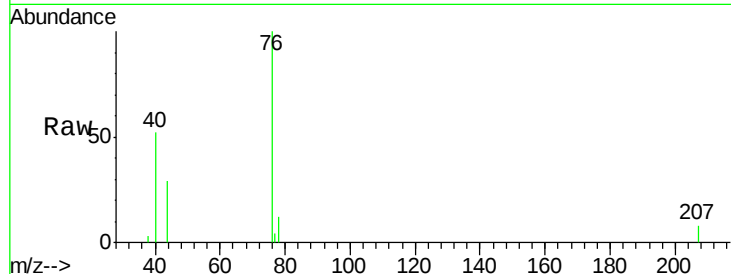




#17
Carbon Disulfide
Concen: 1.432 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

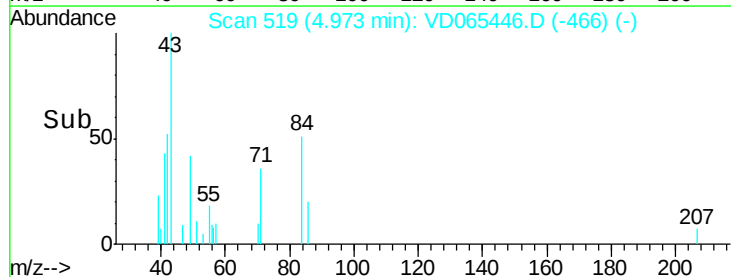
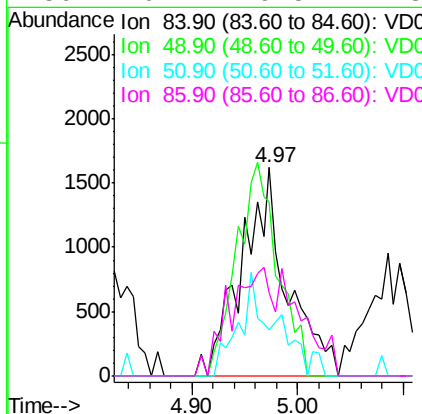
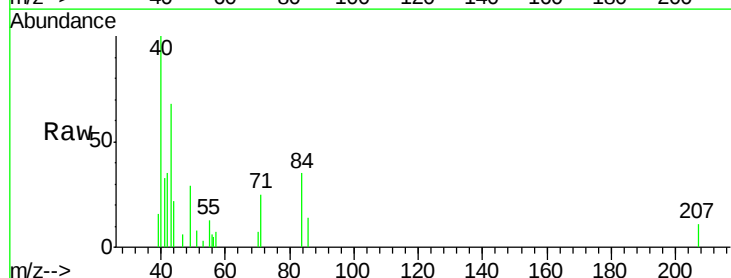
Instrument :
MSVOA_D
ClientSampleId :

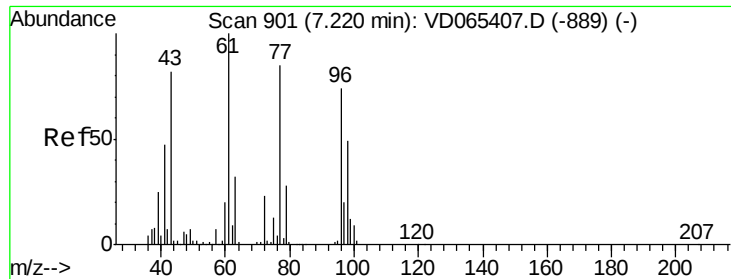
Tot Ion: 76 Resp: 22253
Ion Ratio Lower Upper
76 100
78 11.8 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 84 Resp: 4862
Ion Ratio Lower Upper
84 100
49 83.3 97.7 146.5#
51 22.0 28.8 43.2#
86 40.1 49.5 74.3#





#25

2-Butanone

Concen: 1.460 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065446.D

Acq: 09 Mar 2020 13:28

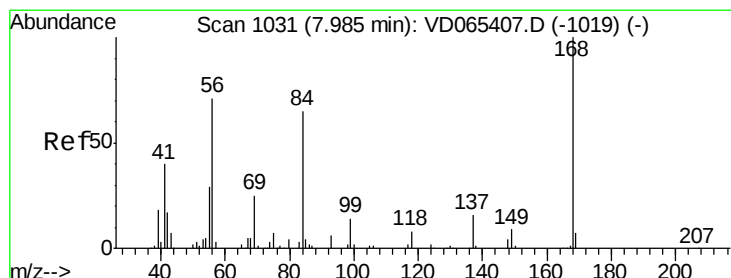
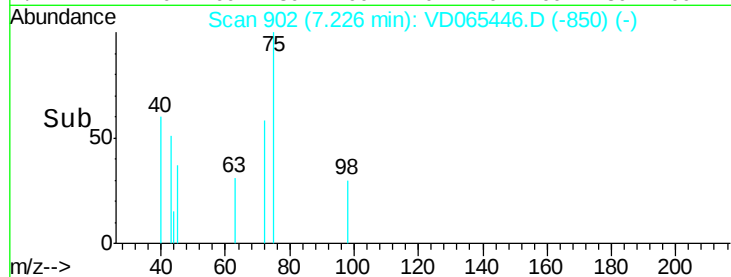
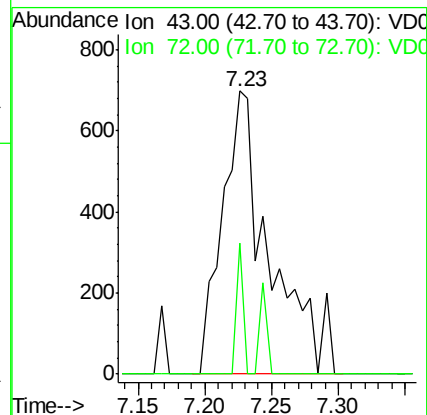
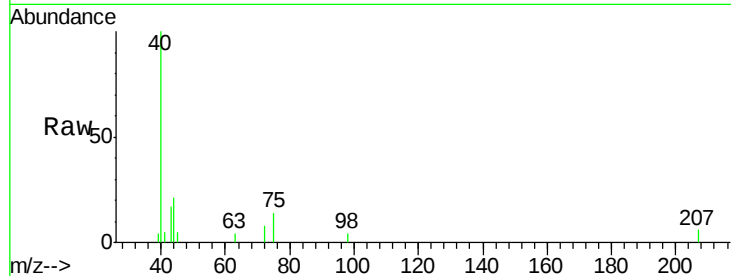
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1734

Ion Ratio Lower Upper

43 100

72 46.3 22.3 33.5#



#31

Cyclohexane

Concen: 2.524 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065446.D

Acq: 09 Mar 2020 13:28

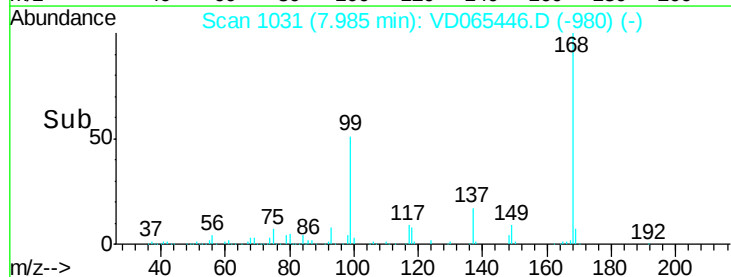
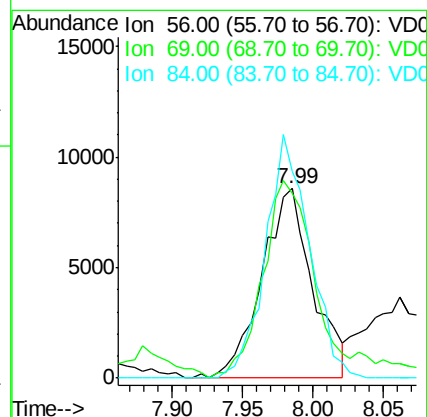
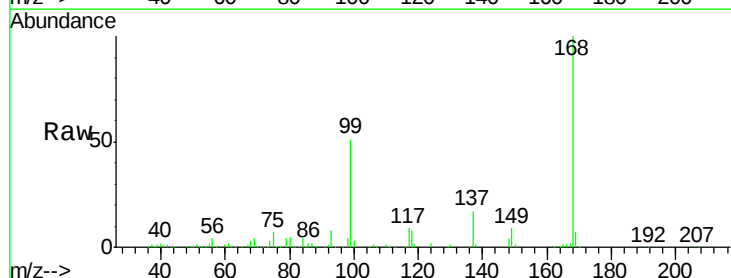
Tgt Ion: 56 Resp: 21567

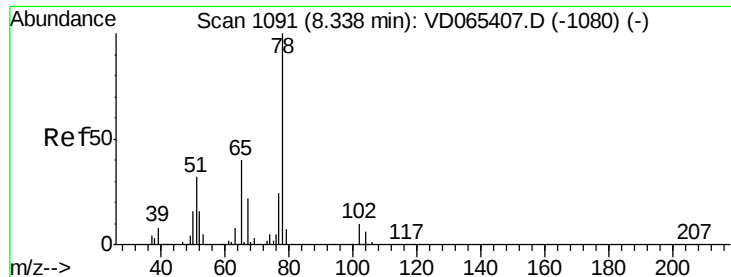
Ion Ratio Lower Upper

56 100

69 92.4 28.3 42.5#

84 109.0 73.1 109.7





#33

1,2-Dichloroethane-d4

Concen: 53.121 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065446.D

Acq: 09 Mar 2020 13:28

Instrument :

MSVOA_D

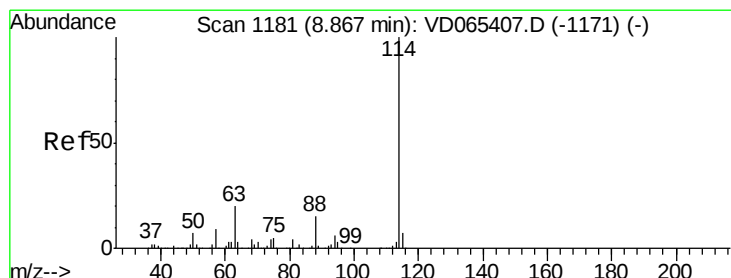
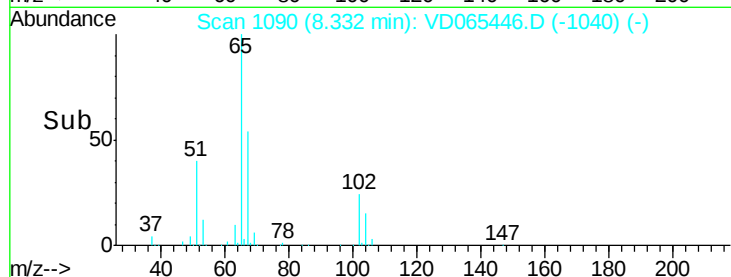
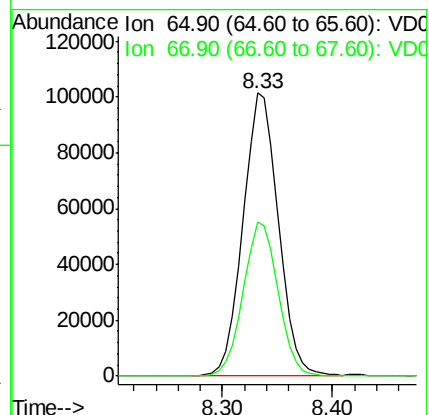
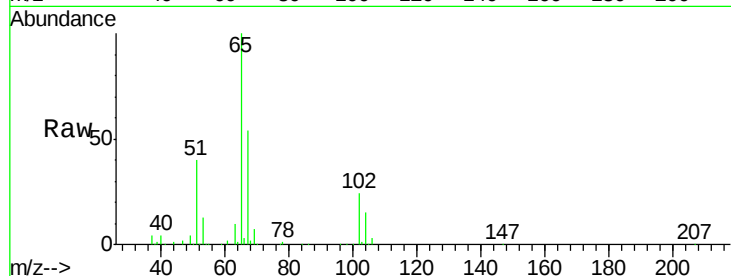
ClientSampled :

Tot Ion: 65 Resp: 228580

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065446.D

Acq: 09 Mar 2020 13:28

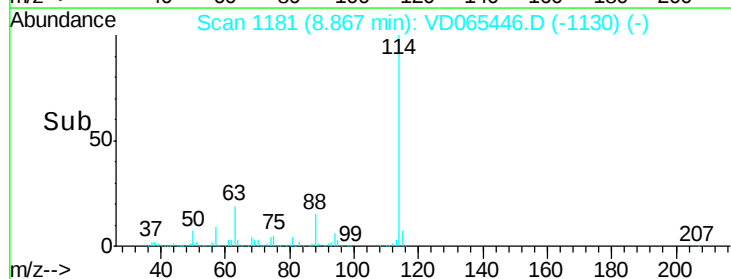
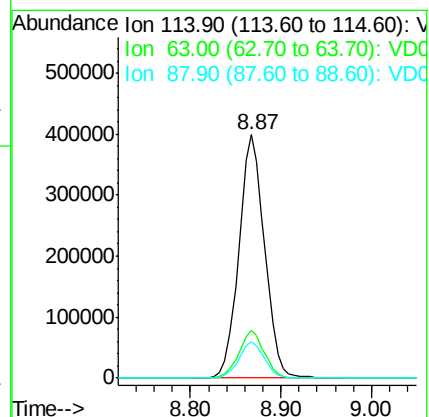
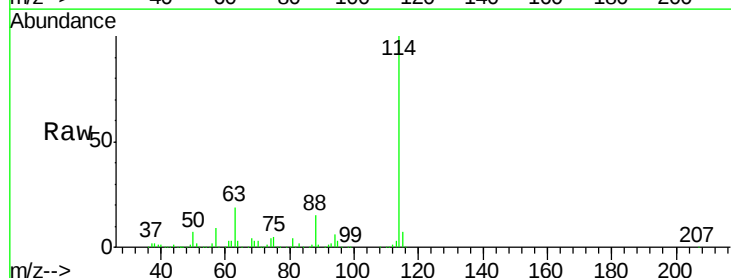
Tgt Ion: 114 Resp: 785234

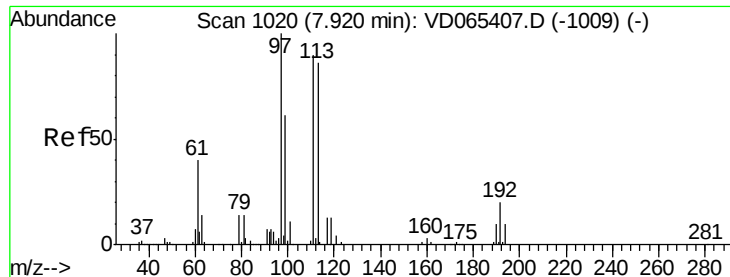
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 14.6 0.0 30.4

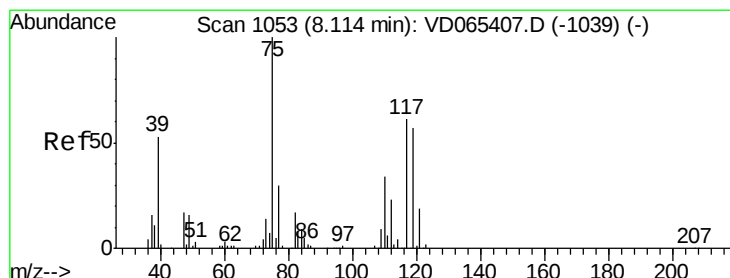
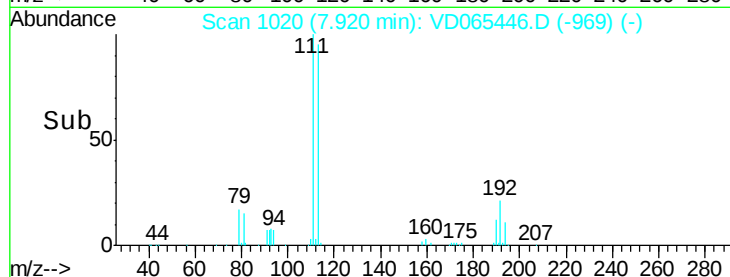
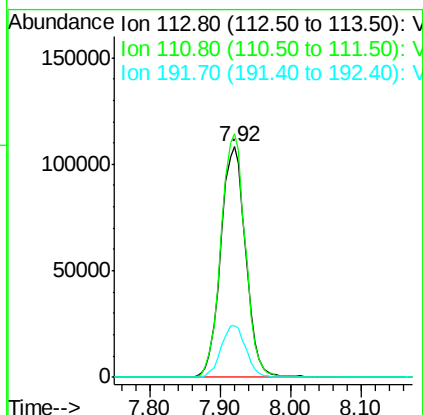
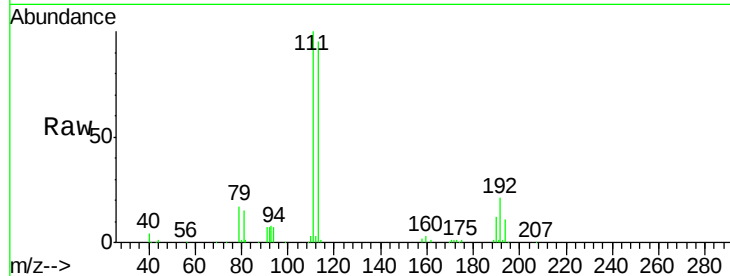




#35
Dibromofluoromethane
Concen: 54.796 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

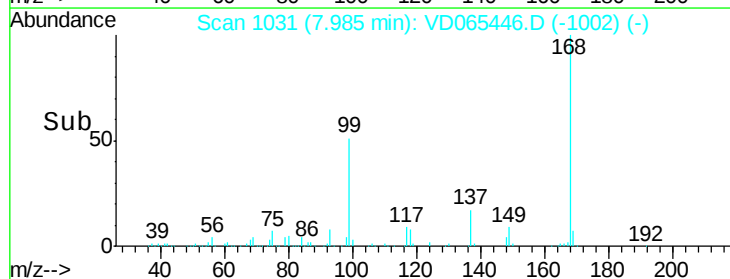
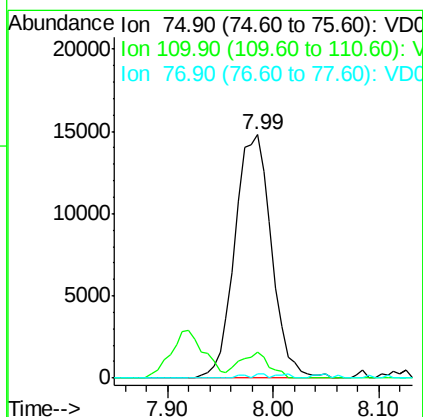
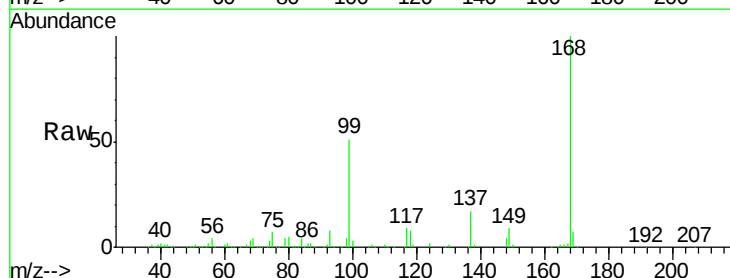
Instrument :
MSVOA_D
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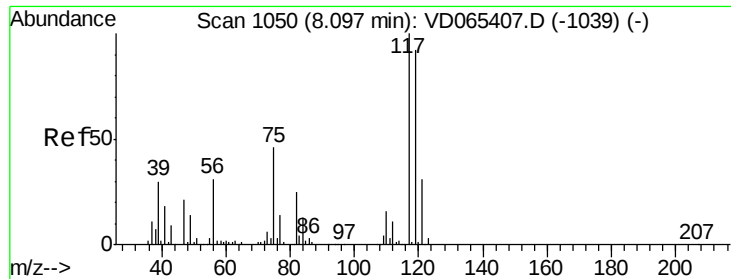
Tot Ion:113 Resp: 266084
Ion Ratio Lower Upper
113 100
111 103.2 82.1 123.1
192 22.3 17.2 25.8



#36
1,1-Dichloropropene
Concen: 4.717 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.13 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 75 Resp: 35502
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.1#
77 0.9 25.2 37.8#

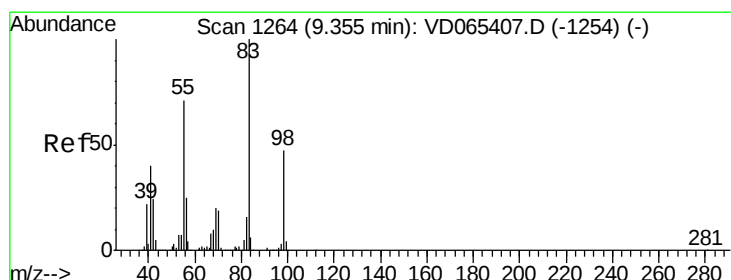
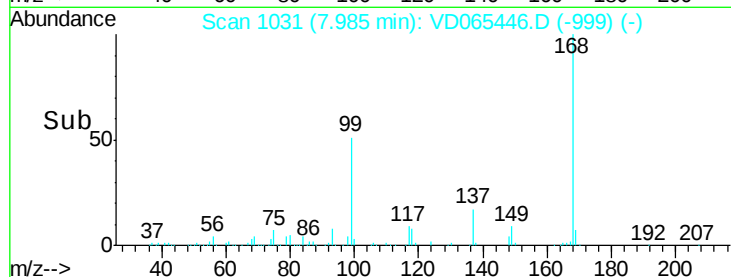
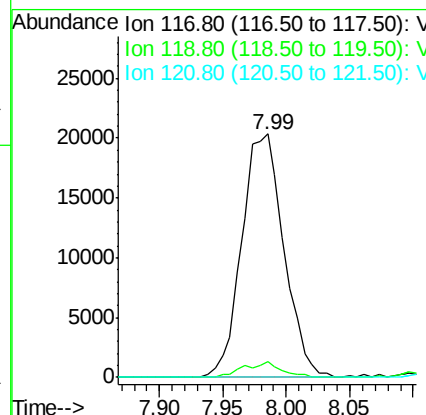
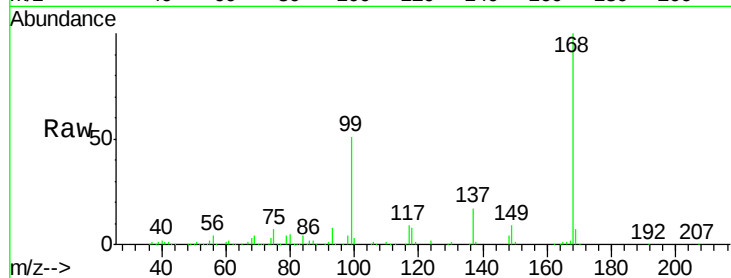




#38
Carbon Tetrachloride
Concen: 6.003 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

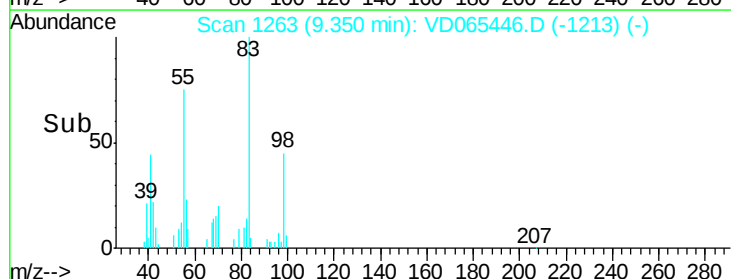
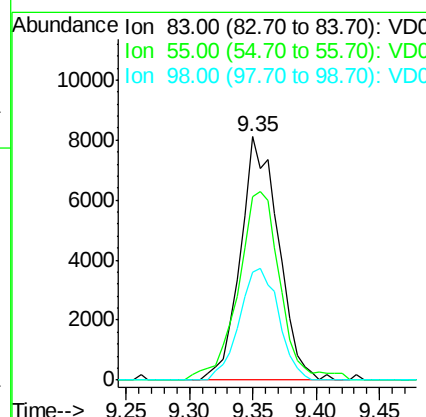
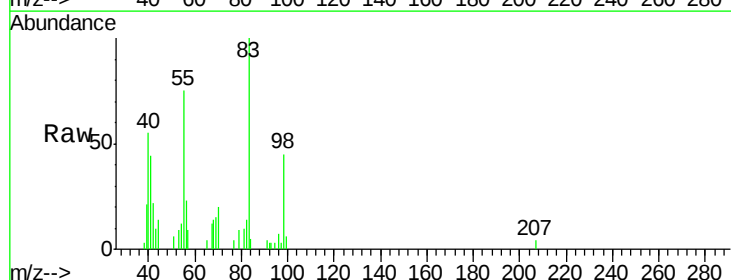
Instrument :
MSVOA_D
ClientSampleId :

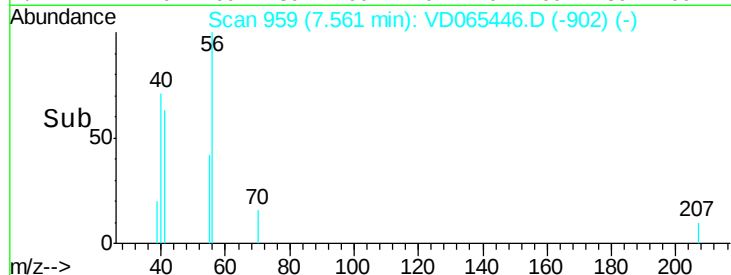
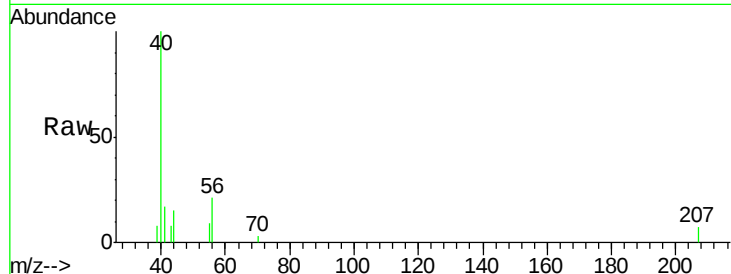
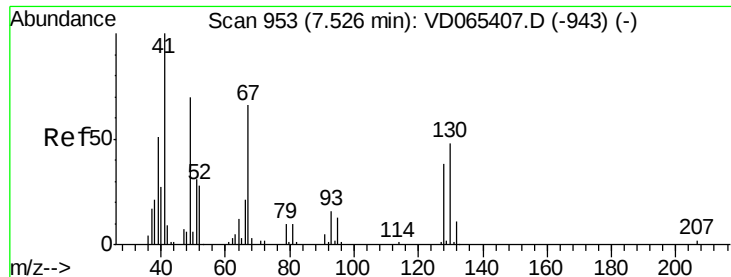
Tot Ion:117 Resp: 46858
Ion Ratio Lower Upper
117 100
119 6.7 73.3 109.9#
121 0.0 25.0 37.4#



#39
Methylcyclohexane
Concen: 1.856 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 83 Resp: 16875
Ion Ratio Lower Upper
83 100
55 73.2 57.1 85.7
98 44.6 37.8 56.8

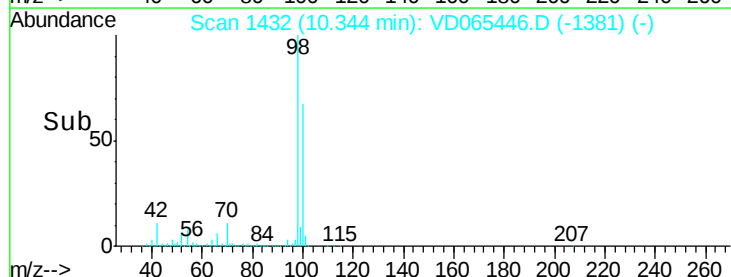
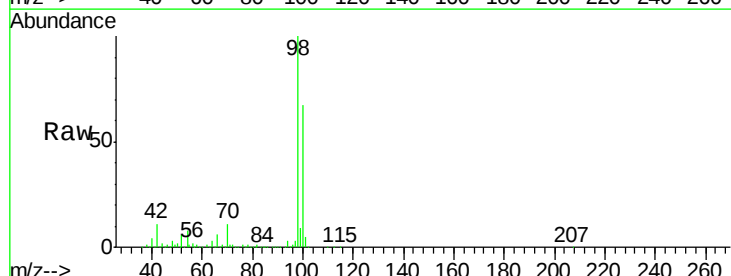
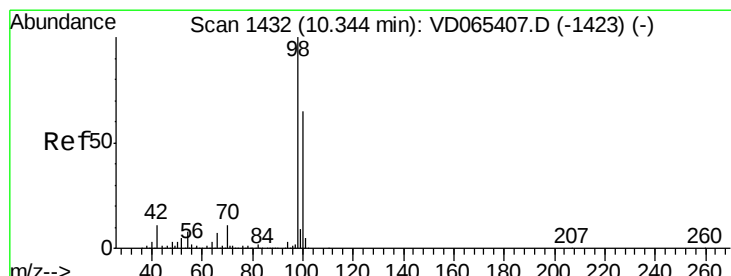
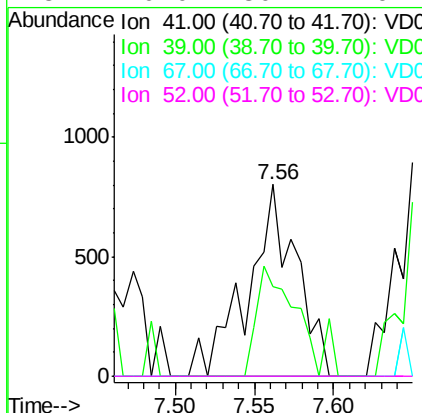




#41
Methacrylonitrile
Concen: 1.113 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

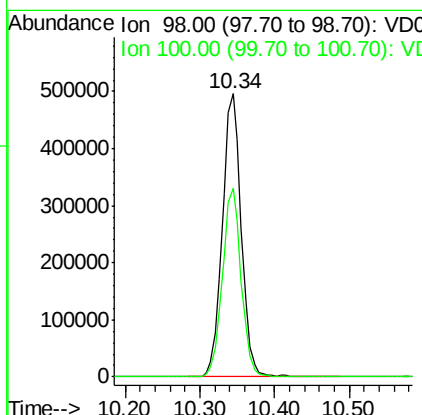
Instrument :
MSVOA_D
ClientSampleId :

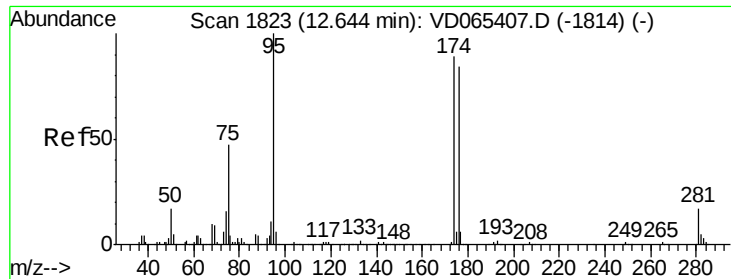
Tot Ion: 41 Resp: 1713
Ion Ratio Lower Upper
41 100
39 44.2 55.0 82.6#
67 0.0 70.3 105.5#
52 0.0 30.7 46.1#



#50
Toluene-d8
Concen: 46.972 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 98 Resp: 875057
Ion Ratio Lower Upper
98 100
100 65.9 52.8 79.2

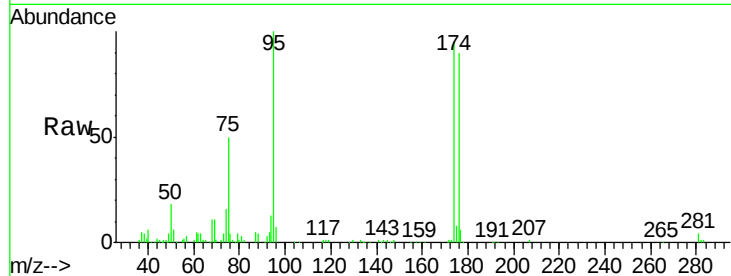




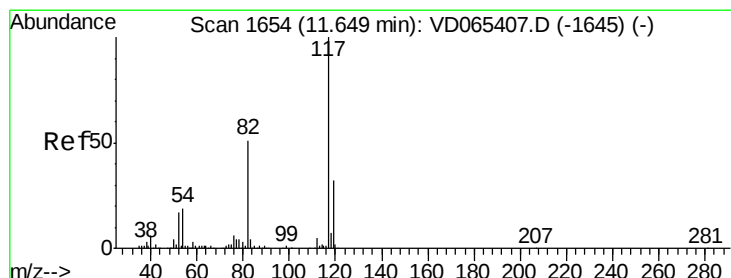
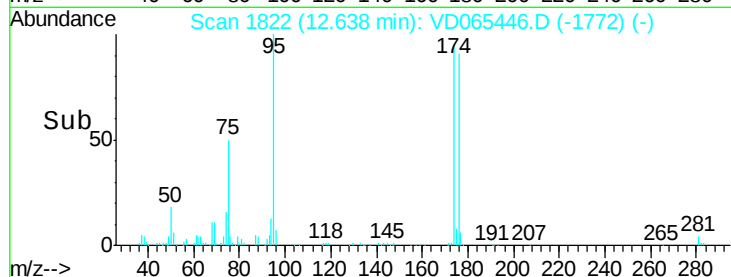
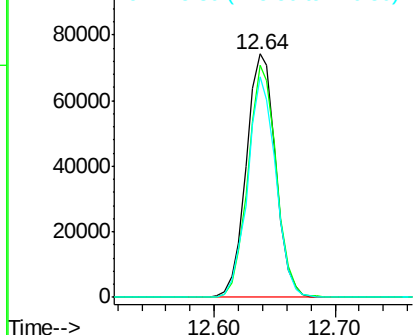
#62
4-Bromofluorobenzene
Concen: 21.852 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 95 Resp: 125672
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.8
176 86.3 0.0 171.4

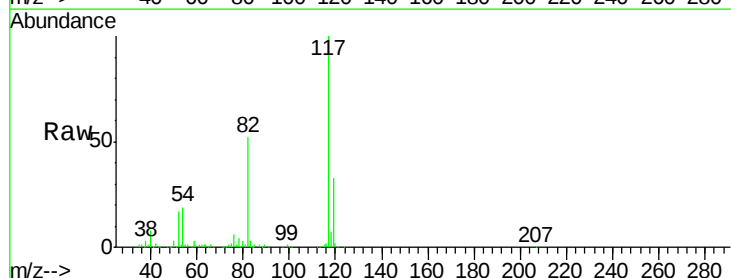


Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

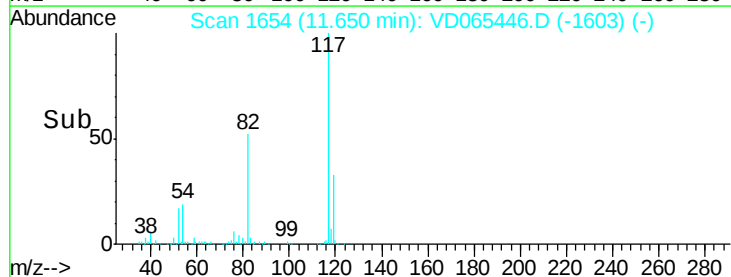
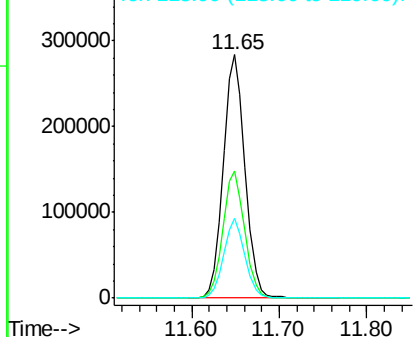


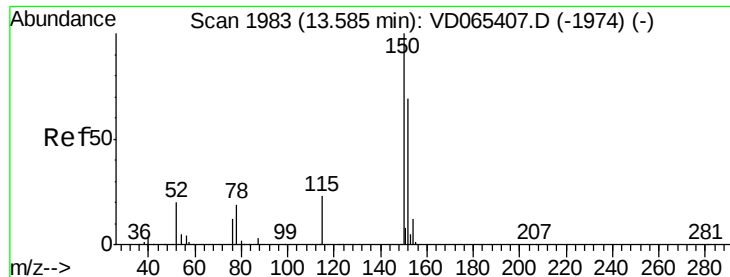
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 117 Resp: 484169
Ion Ratio Lower Upper
117 100
82 52.0 40.6 60.8
119 32.6 25.4 38.2



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: VD065446.D

Acq: 09 Mar 2020 13:28

Instrument :

MSVOA_D

ClientSampleId :

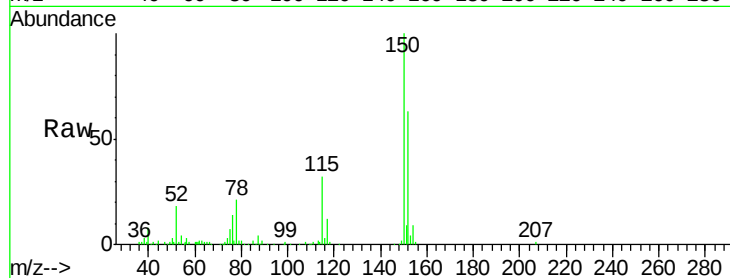
Tot Ion:152 Resp: 84712

Ion Ratio Lower Upper

152 100

115 55.1 27.6 82.8

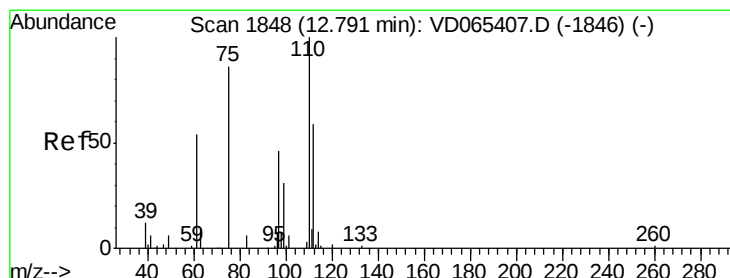
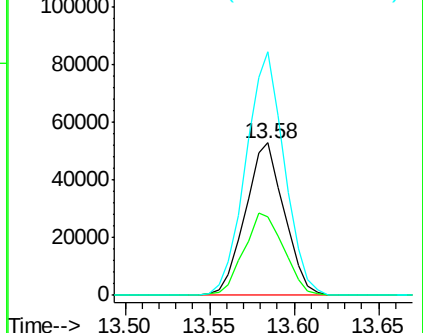
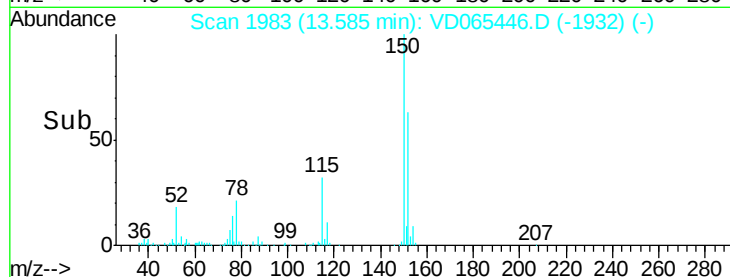
150 158.0 0.0 345.0



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: 90.240 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD065446.D

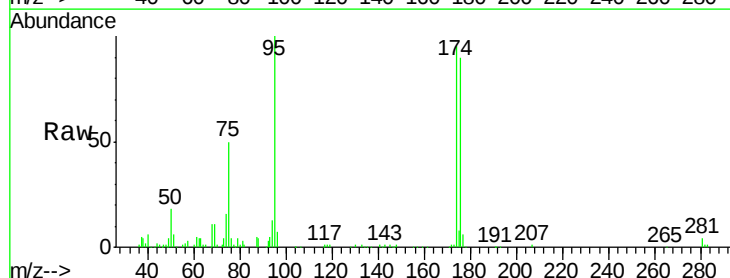
Acq: 09 Mar 2020 13:28

Tgt Ion: 75 Resp: 60321

Ion Ratio Lower Upper

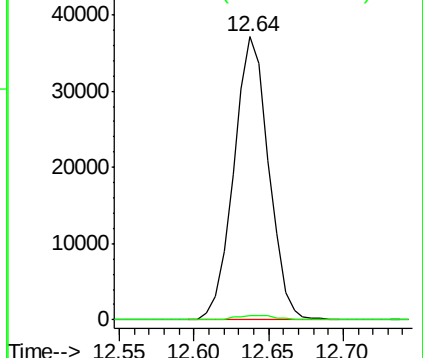
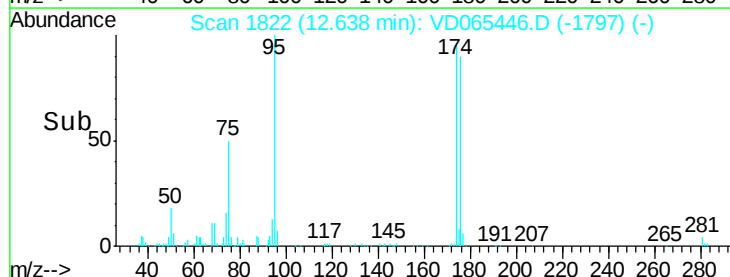
75 100

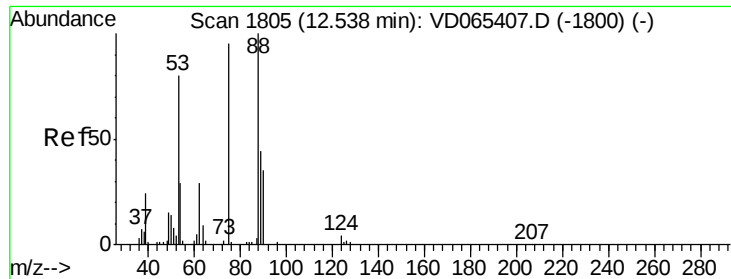
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

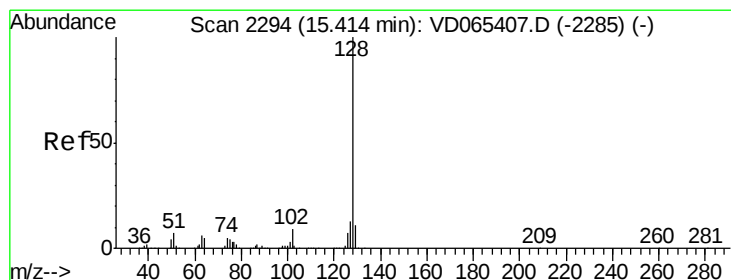
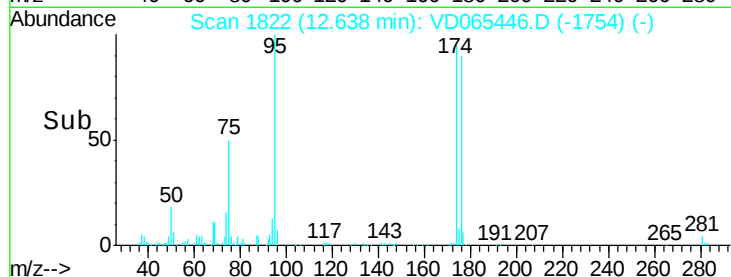
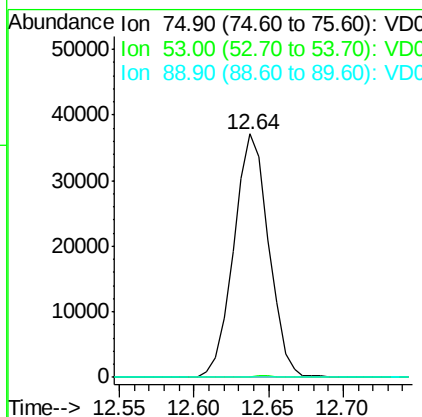
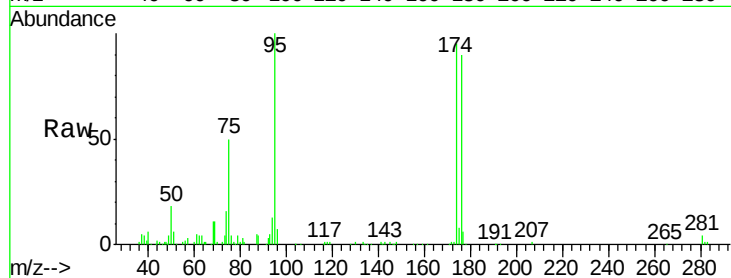




#81
trans-1,4-Dichloro-2-butene
Concen: 190.434 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.10 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 60321
Ion Ratio Lower Upper
75 100
53 0.3 71.3 106.9#
89 0.0 37.0 55.6#



#95
Naphthalene
Concen: 4.939 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065446.D
Acq: 09 Mar 2020 13:28

Tgt Ion: 128 Resp: 1597
Ion Ratio Lower Upper
128 100
127 4.1 10.6 16.0#
129 0.0 8.7 13.1#

