

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122420\
 Data File : VD067948.D
 Acq On : 24 Dec 2020 16:10
 Operator : VA/SY
 Sample : L5189-16RE
 Misc : 4.57G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 25 00:16:01 2020
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 23 07:34:16 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	11856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	17954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	19261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	7633	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	12116	94.64	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	189.28%#
35) Dibromofluoromethane	7.926	113	7957	70.34	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	140.68%
50) Toluene-d8	10.338	98	24017	56.48	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.96%
62) 4-Bromofluorobenzene	12.632	95	7016	48.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.48%

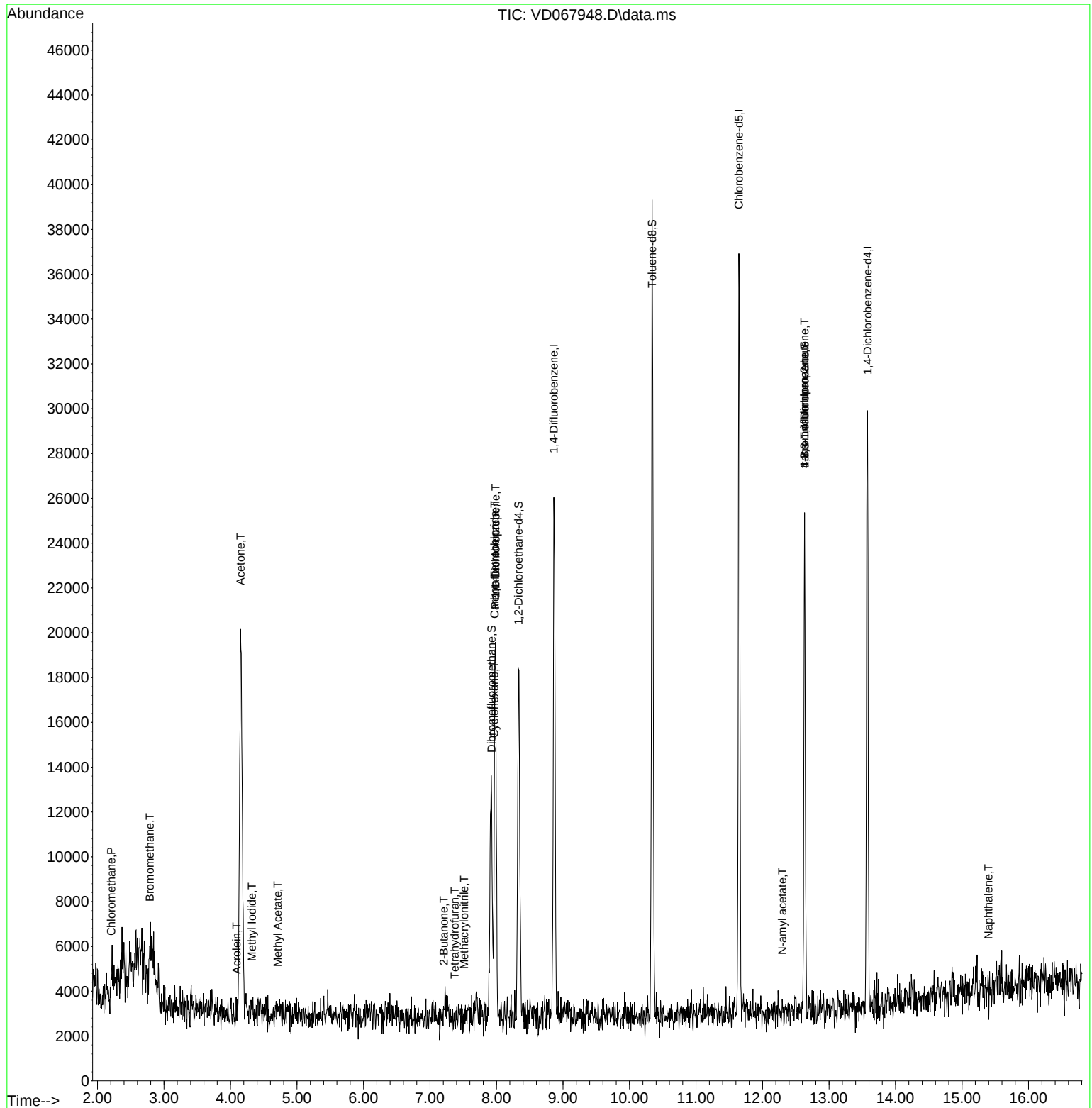
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.209	50	568	3.44	ug/l #	42
5) Bromomethane	2.785	94	1219	8.63	ug/l #	12
10) Methyl Iodide	4.320	142	492	7.14	ug/l #	58
13) Acrolein	4.091	56	62	6.80	ug/l #	13
16) Acetone	4.150	43	30352	1241.73	ug/l	93
18) Methyl Acetate	4.709	43	166	2.30	ug/l #	53
20) Methylene Chloride	4.991	84	91	Below Cal	#	7
25) 2-Butanone	7.209	43	128	3.55	ug/l #	49
29) Tetrahydrofuran	7.373	42	58	2.38	ug/l #	36
31) Cyclohexane	7.967	56	551	2.11	ug/l #	15
36) 1,1-Dichloropropene	7.985	75	1256	6.58	ug/l #	46
38) Carbon Tetrachloride	7.973	117	1242	6.81	ug/l #	12
41) Methacrylonitrile	7.514	41	61	1.40	ug/l #	23
74) N-amyl acetate	12.297	43	133	1.03	ug/l #	42
76) 1,2,3-Trichloropropane	12.632	75	3741	58.21	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	3741	119.32	ug/l #	12
95) Naphthalene	15.396	128	299	1.31	ug/l #	68

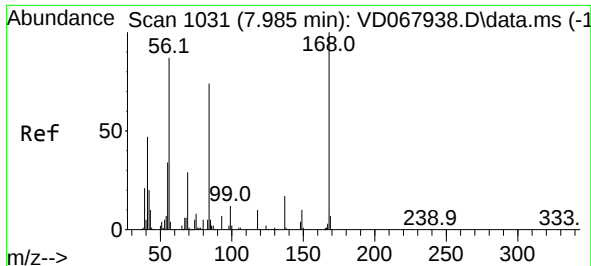
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122420\
Data File : VD067948.D
Acq On : 24 Dec 2020 16:10
Operator : VA/SY
Sample : L5189-16RE
Misc : 4.57G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 25 00:16:01 2020
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122220S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 23 07:34:16 2020
Response via : Initial Calibration

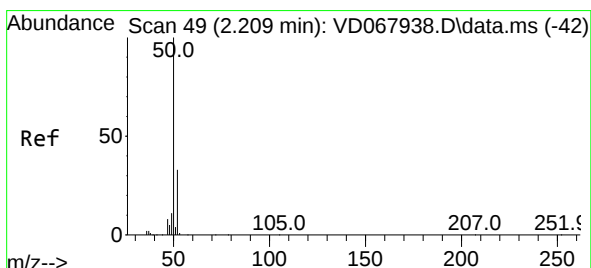
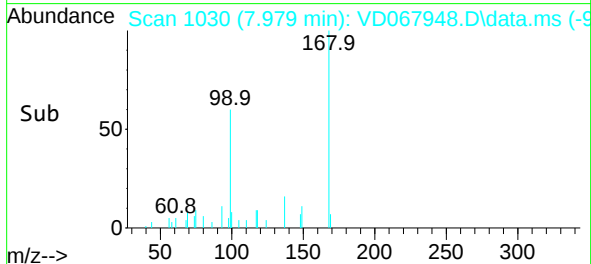
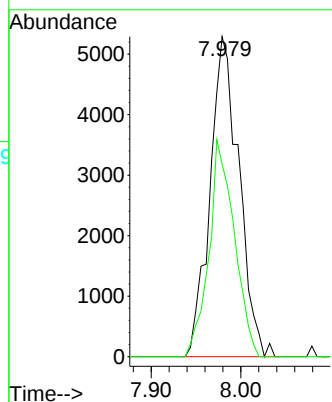
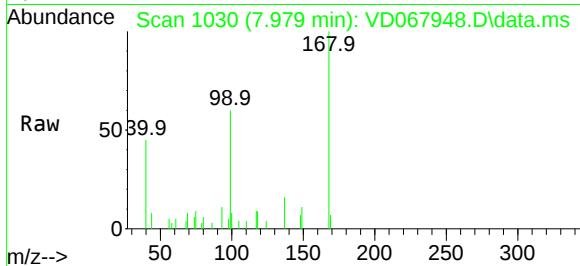




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

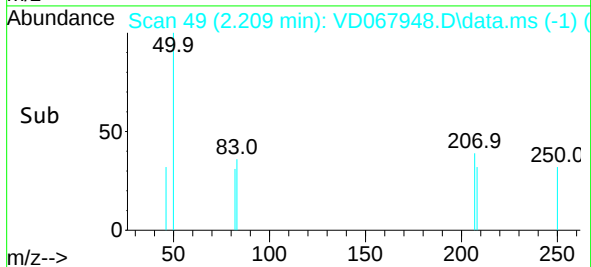
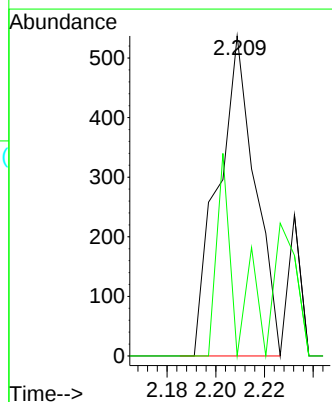
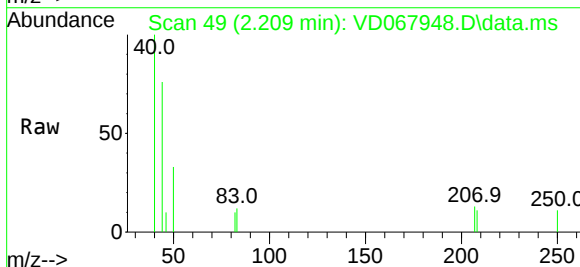
Instrument :
MSVOA_D
ClientSampled :

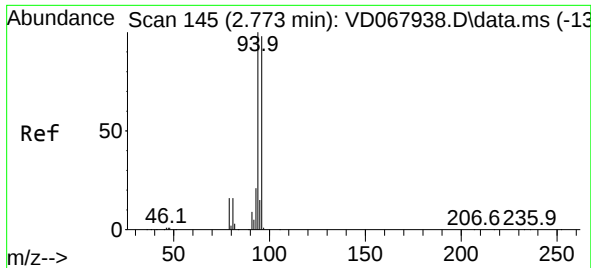
Tgt Ion:168 Resp: 11856
Ion Ratio Lower Upper
168 100
99 60.1 48.0 72.0



#3
Chloromethane
Concen: 3.44 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

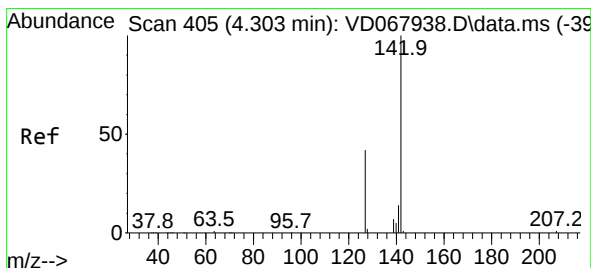
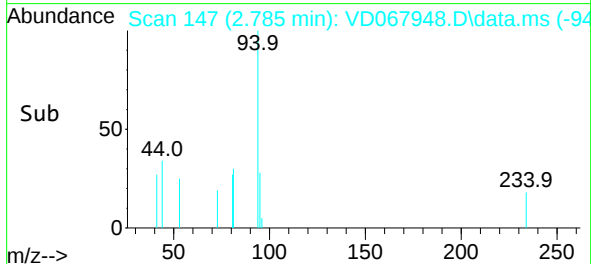
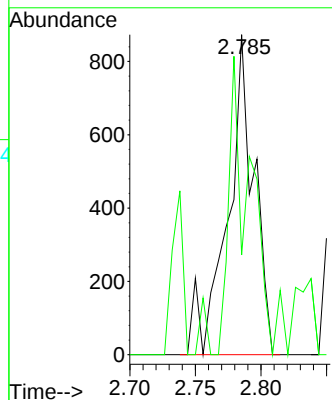
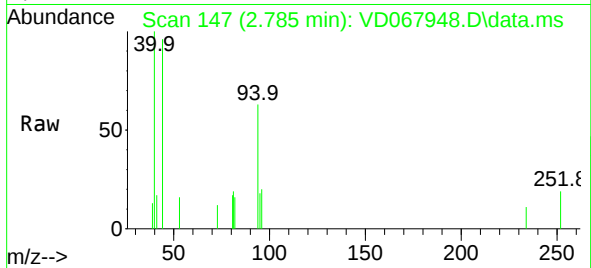




#5
Bromomethane
Concen: 8.63 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.012 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

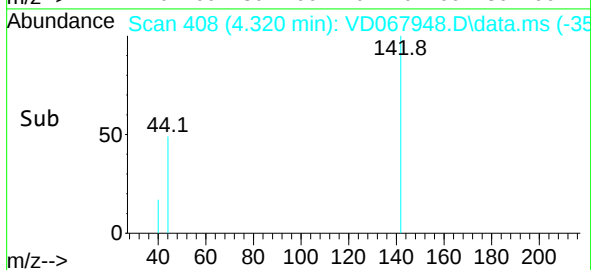
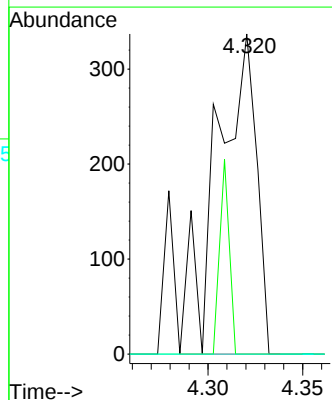
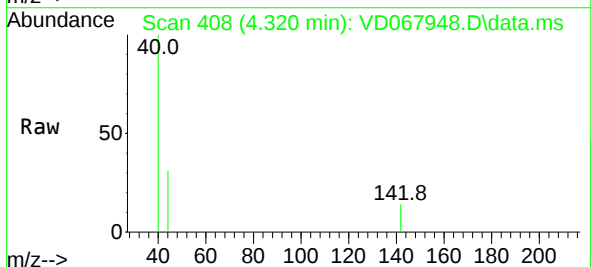
Instrument :
MSVOA_D
ClientSampled :

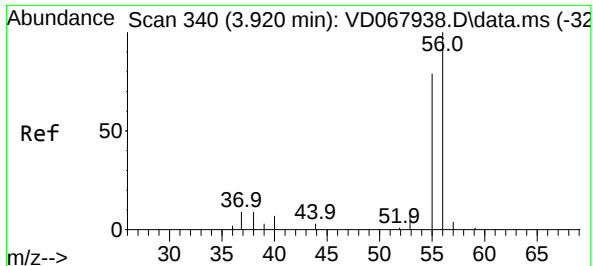
Tgt Ion: 94 Resp: 1219
Ion Ratio Lower Upper
94 100
96 11.0 78.0 117.0#



#10
Methyl Iodide
Concen: 7.14 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 142 Resp: 492
Ion Ratio Lower Upper
142 100
127 14.6 34.4 51.6#
141 0.0 11.8 17.8#

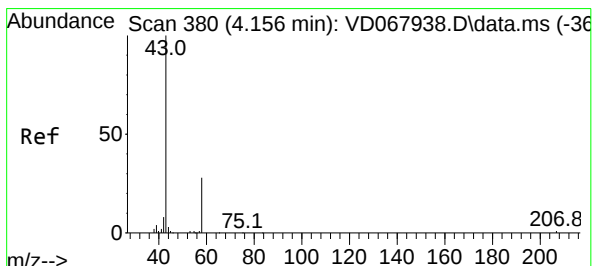
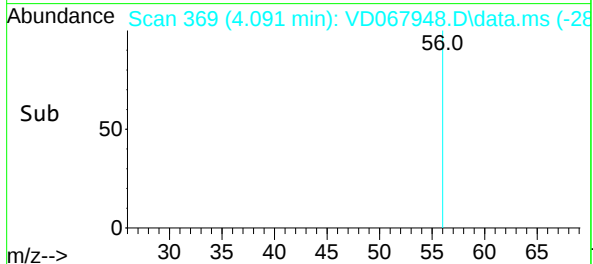
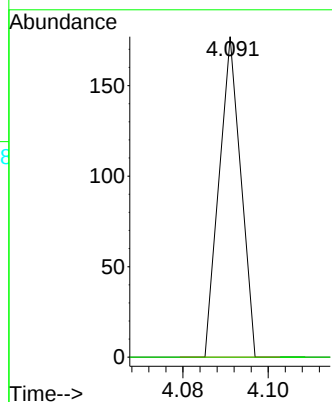
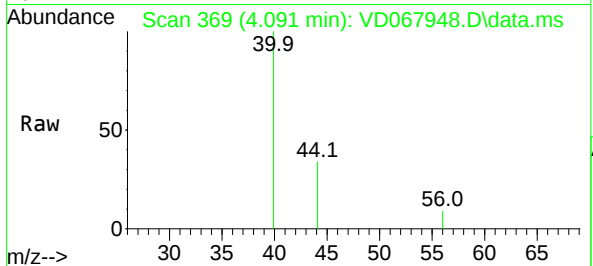




#13
Acrolein
Concen: 6.80 ug/l
RT: 4.091 min Scan# 369
Delta R.T. 0.171 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

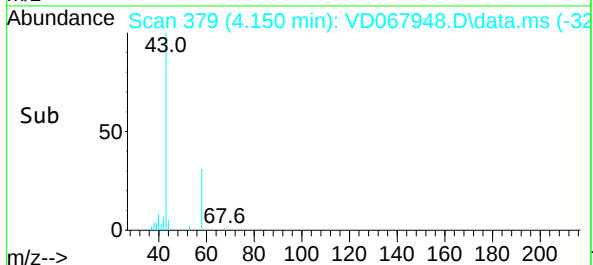
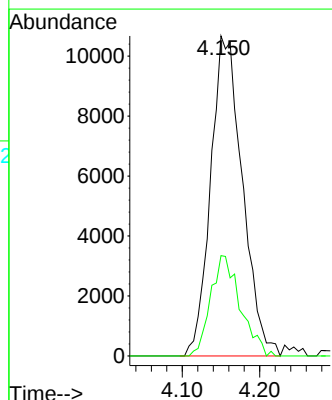
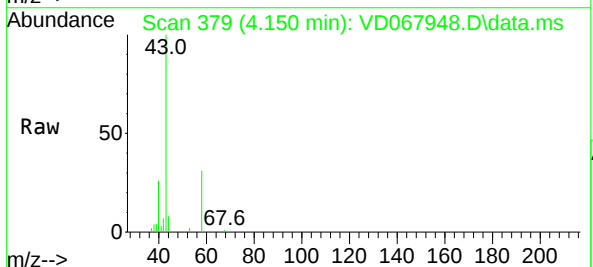
Instrument :
MSVOA_D
ClientSampled :

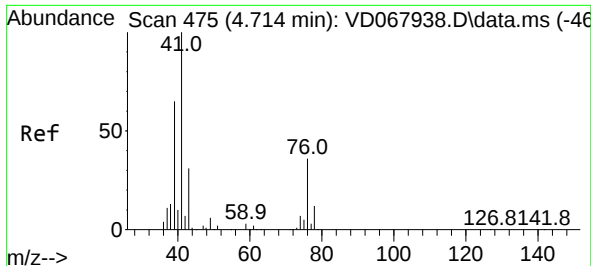
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 58.5 87.7#



#16
Acetone
Concen: 1241.73 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 43 Resp: 30352
Ion Ratio Lower Upper
43 100
58 31.4 22.3 33.5

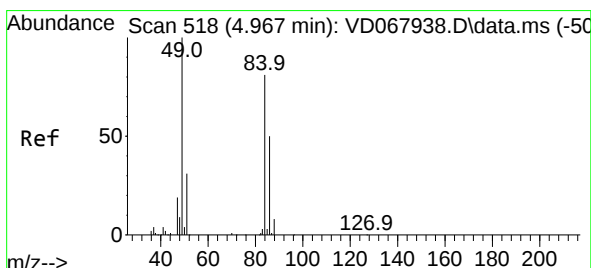
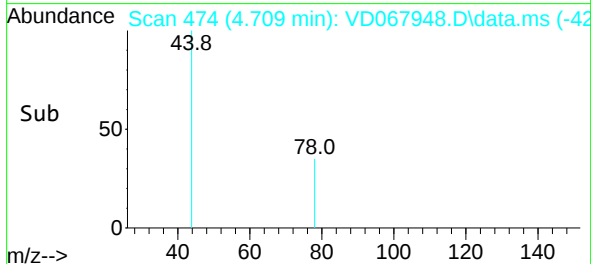
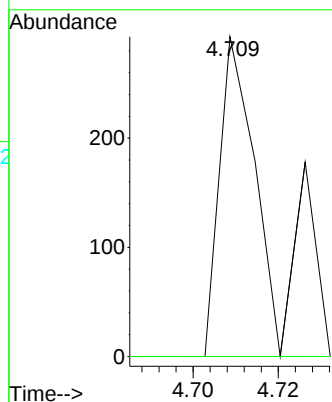
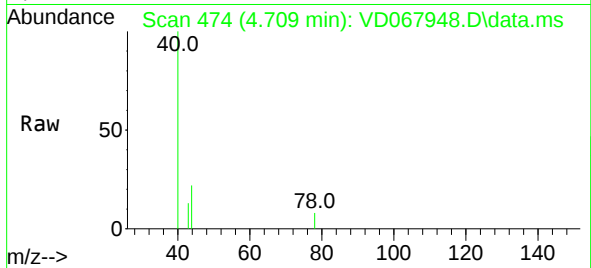




#18
Methyl Acetate
Concen: 2.30 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

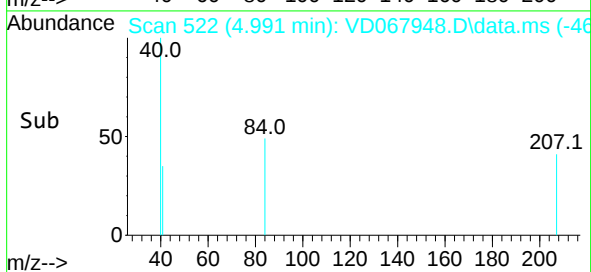
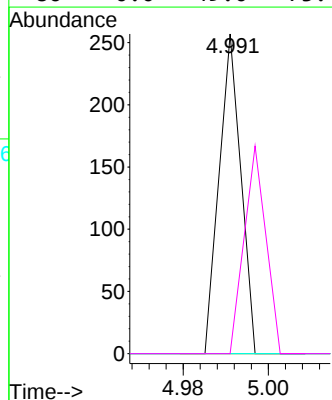
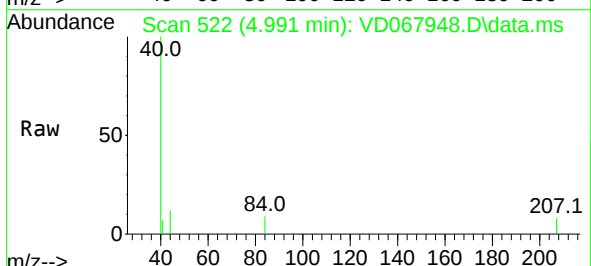
Instrument :
MSVOA_D
ClientSampled :

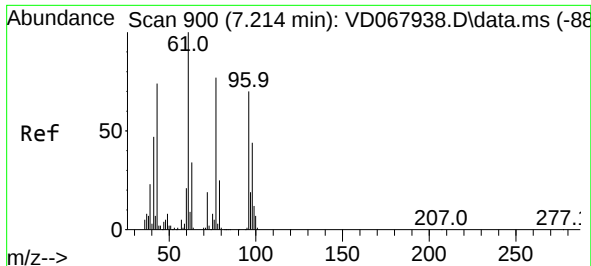
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.991 min Scan# 522
Delta R.T. 0.024 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 84 Resp: 91
Ion Ratio Lower Upper
84 100
49 0.0 98.3 147.5#
51 0.0 30.3 45.5#
86 0.0 49.0 73.4#

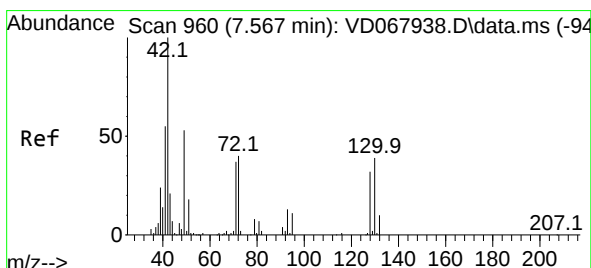
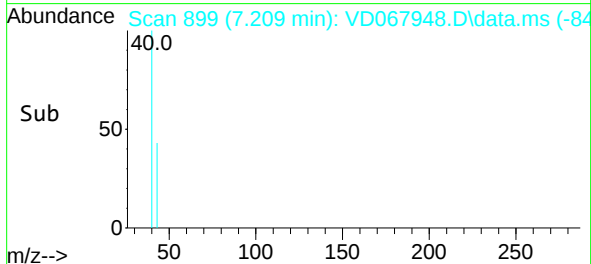
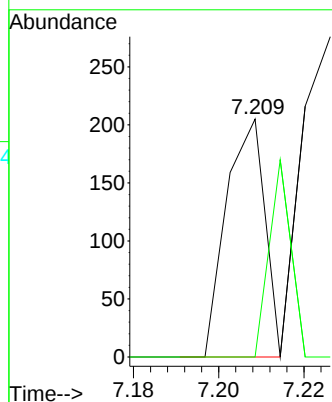
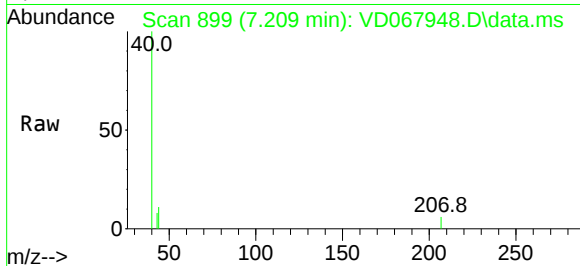




#25
2-Butanone
Concen: 3.55 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

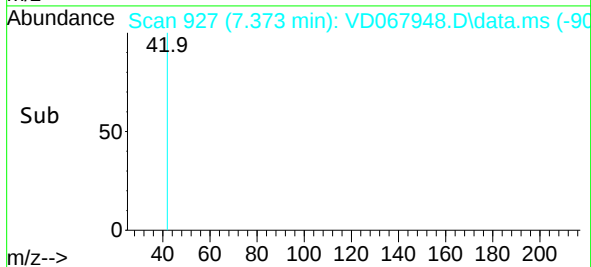
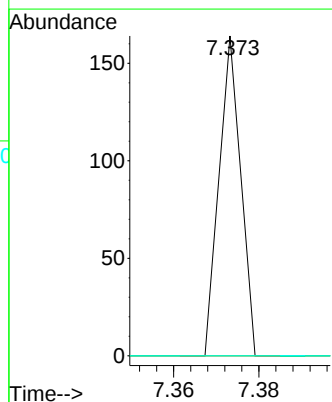
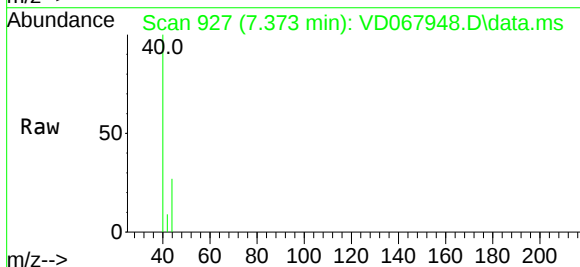
Instrument :
MSVOA_D
ClientSampled :

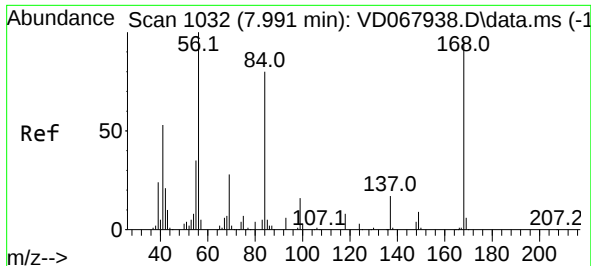
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



#29
Tetrahydrofuran
Concen: 2.38 ug/l
RT: 7.373 min Scan# 927
Delta R.T. -0.194 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 32.9 49.3#
71 0.0 29.9 44.9#





#31

Cyclohexane

Concen: 2.11 ug/l

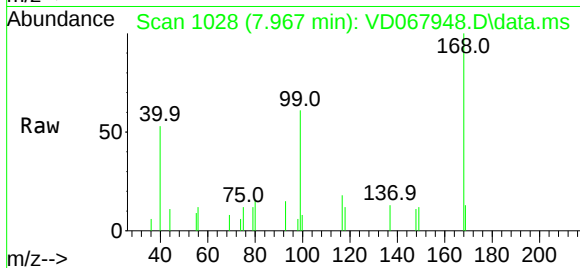
RT: 7.967 min Scan# 1028

Delta R.T. -0.023 min

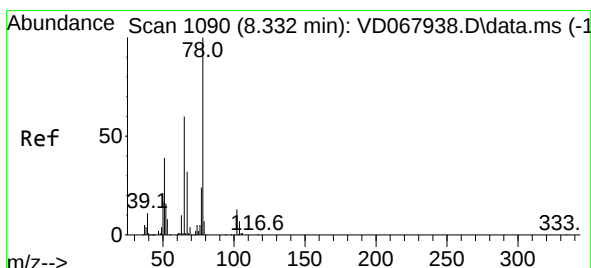
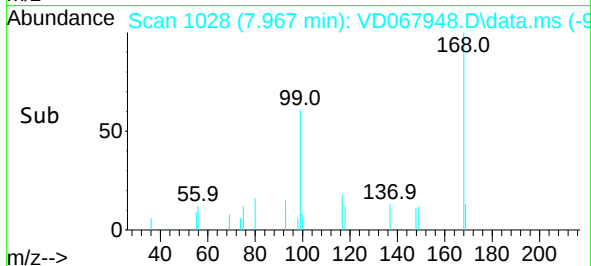
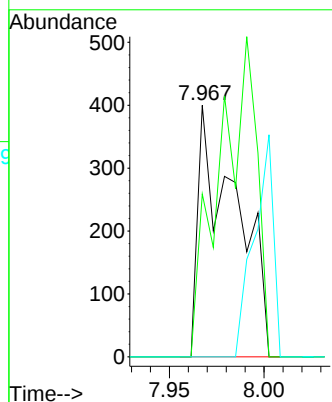
Lab File: VD067948.D

Acq: 24 Dec 2020 16:10

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 56	Resp: 551
Ion Ratio	Lower Upper
56	100
69	64.8 22.7 34.1#
84	0.0 64.2 96.4#



#33

1,2-Dichloroethane-d4

Concen: 94.64 ug/l

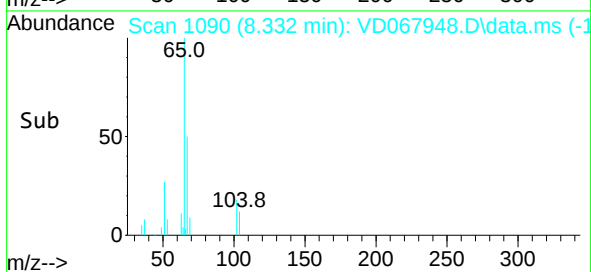
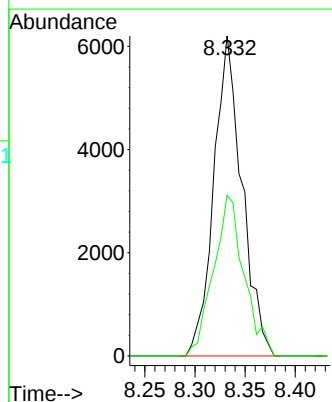
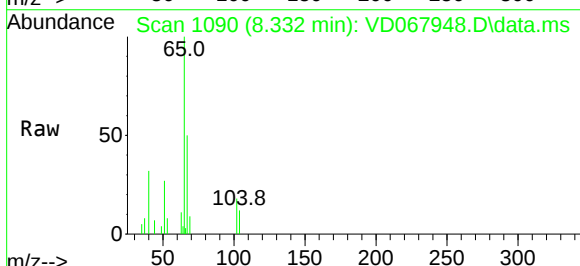
RT: 8.332 min Scan# 1090

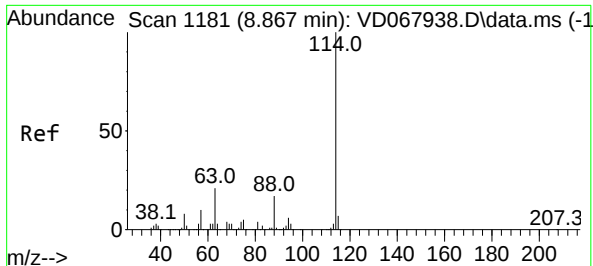
Delta R.T. 0.000 min

Lab File: VD067948.D

Acq: 24 Dec 2020 16:10

Tgt Ion: 65	Resp: 12116
Ion Ratio	Lower Upper
65	100
67	54.5 0.0 110.0



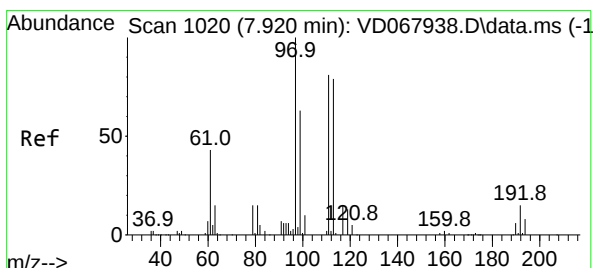
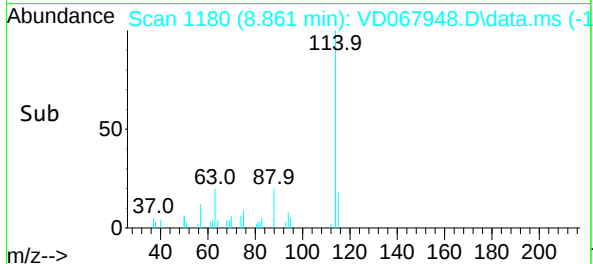
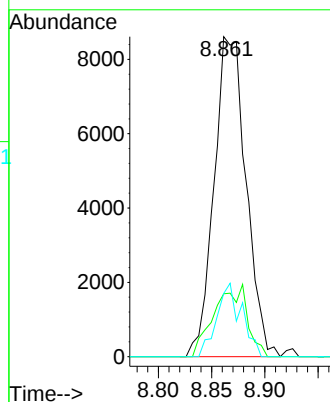
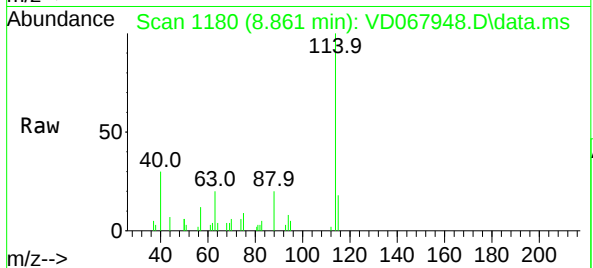


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :

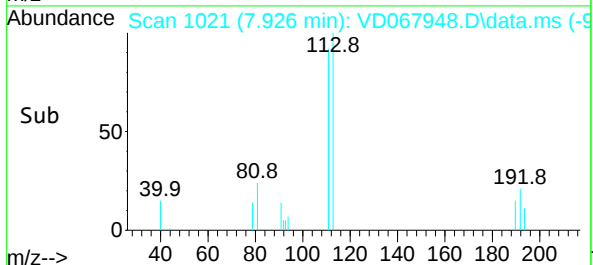
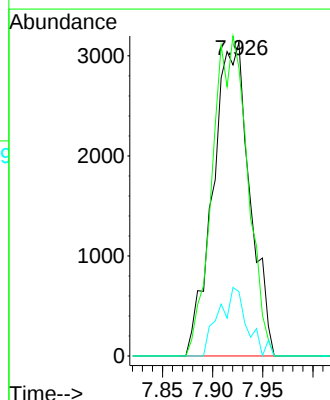
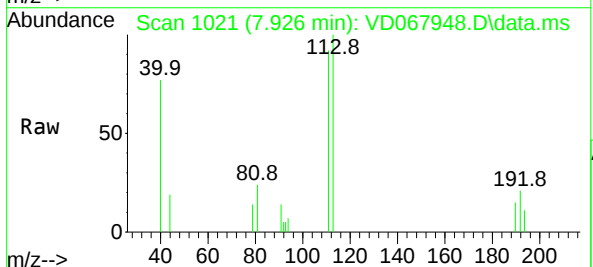
Tgt Ion:	114	Resp:	17954
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	41.4
88	19.8	0.0	33.2

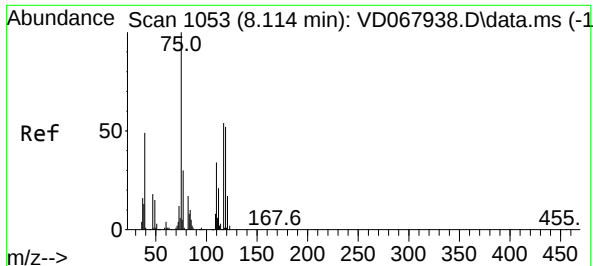


#35

Dibromofluoromethane
Concen: 70.34 ug/l
RT: 7.926 min Scan# 1021
Delta R.T. 0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion:	113	Resp:	7957
Ion	Ratio	Lower	Upper
113	100		
111	98.6	79.3	118.9
192	16.9	14.5	21.7



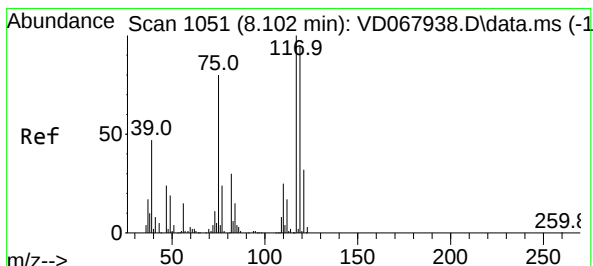
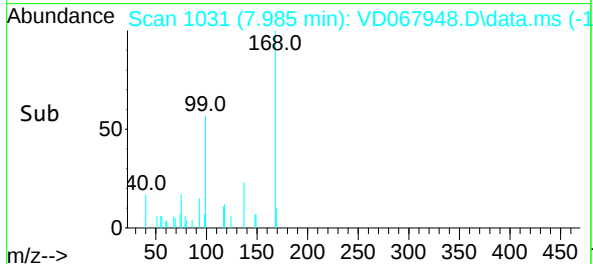
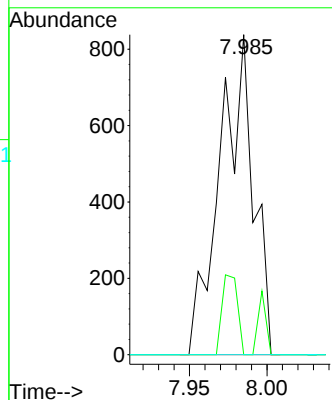
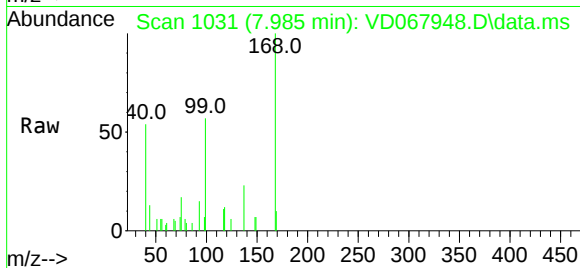


#36

1,1-Dichloropropene
Concen: 6.58 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :

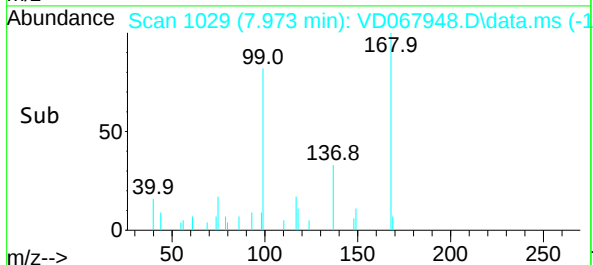
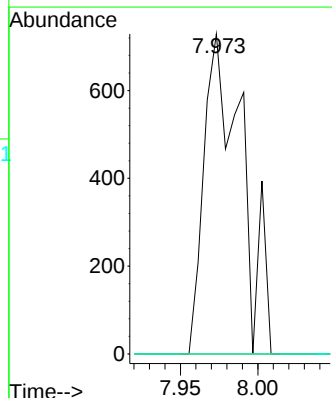
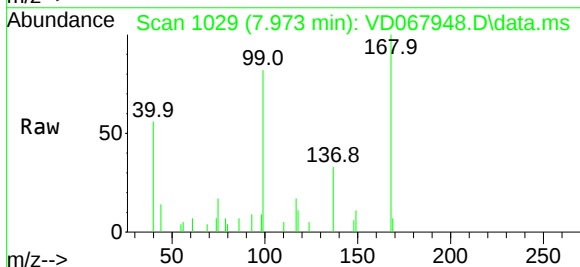
Tgt Ion: 75 Resp: 1256
Ion Ratio Lower Upper
75 100
110 4.7 17.0 51.0#
77 0.0 24.6 37.0#

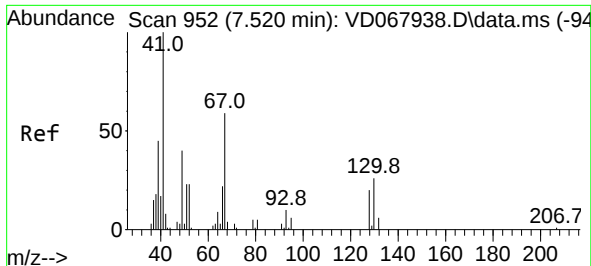


#38

Carbon Tetrachloride
Concen: 6.81 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

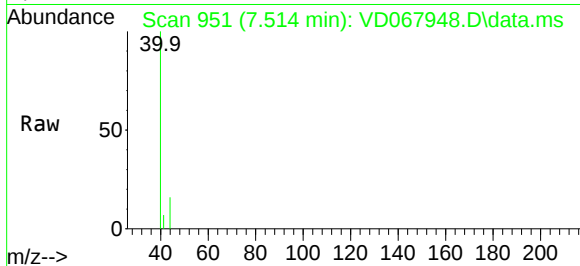
Tgt Ion: 117 Resp: 1242
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.4#
121 0.0 25.9 38.9#



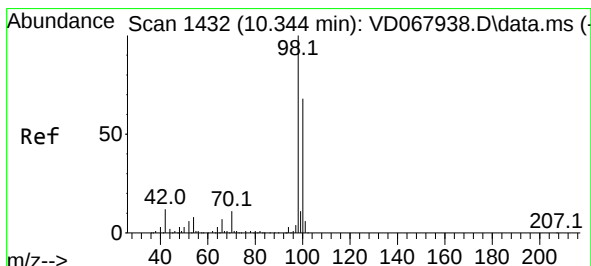
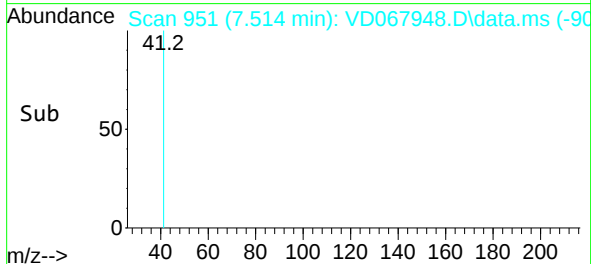
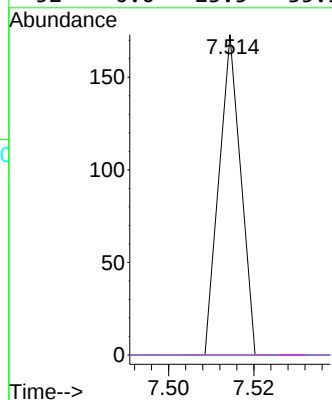


#41
Methacrylonitrile
Concen: 1.40 ug/l
RT: 7.514 min Scan# 951
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :

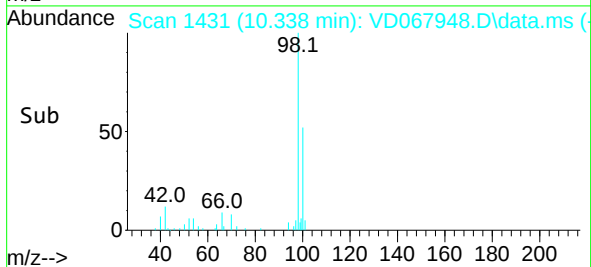
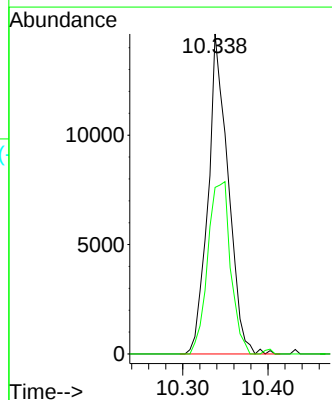
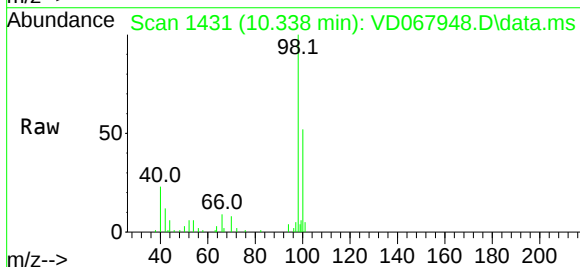


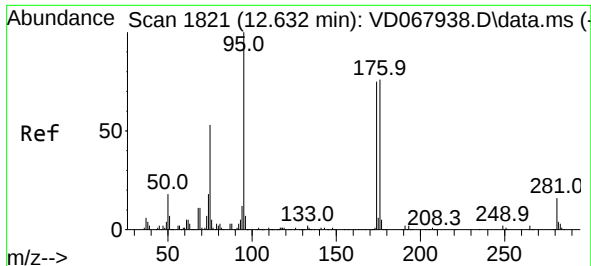
Tgt Ion:	41	Resp:	61
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.2	69.2#
67	0.0	55.1	82.7#
52	0.0	23.5	35.3#



#50
Toluene-d8
Concen: 56.48 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion:	98	Resp:	24017
Ion	Ratio	Lower	Upper
98	100		
100	60.9	52.5	78.7

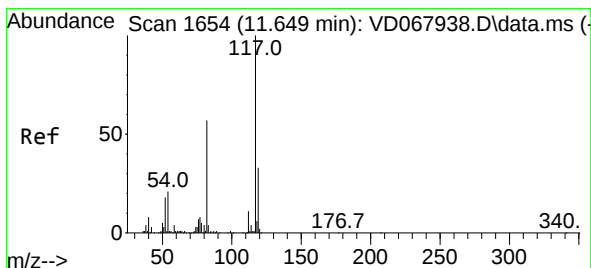
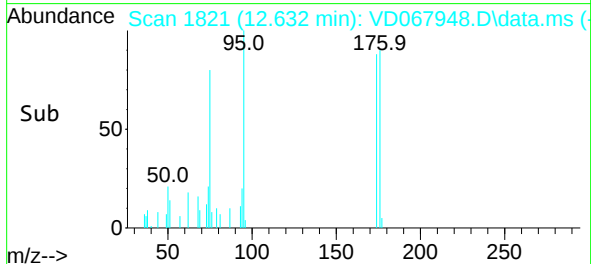
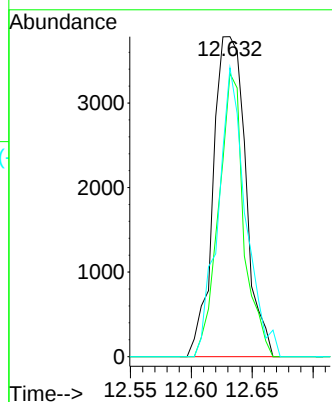
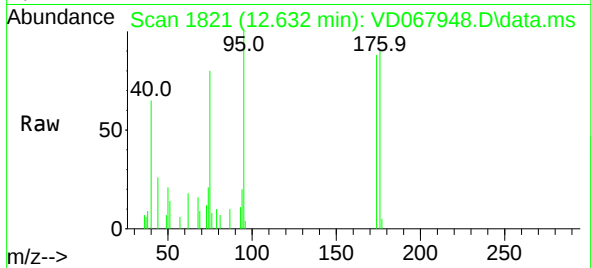




#62
4-Bromofluorobenzene
Concen: 48.24 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

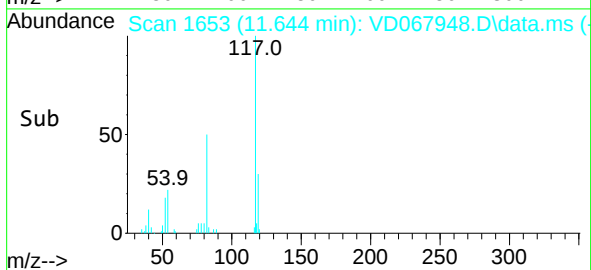
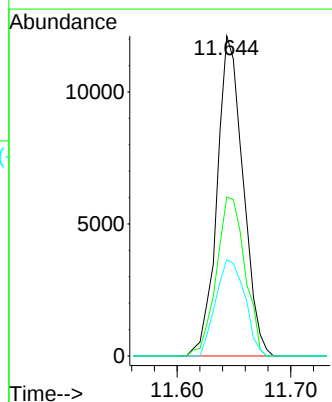
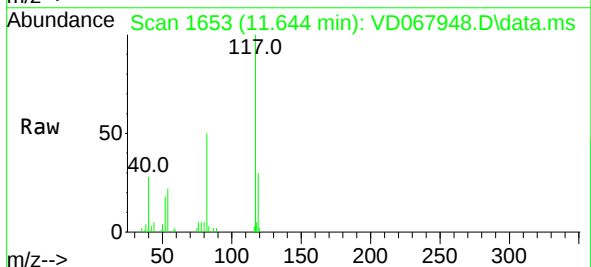
Instrument :
MSVOA_D
ClientSampleId :

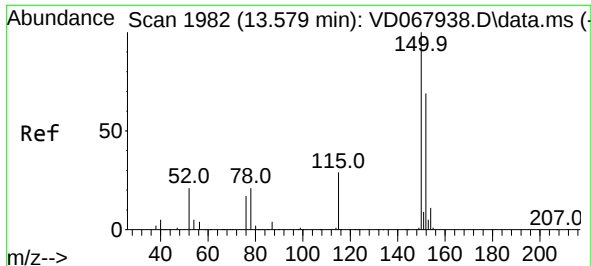
Tgt Ion: 95 Resp: 7016
Ion Ratio Lower Upper
95 100
174 68.8 0.0 150.6
176 77.2 0.0 151.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 117 Resp: 19261
Ion Ratio Lower Upper
117 100
82 49.7 45.4 68.0
119 30.0 26.7 40.1

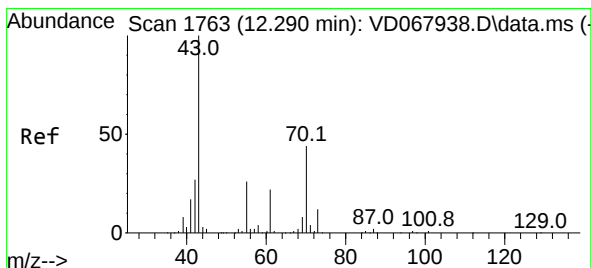
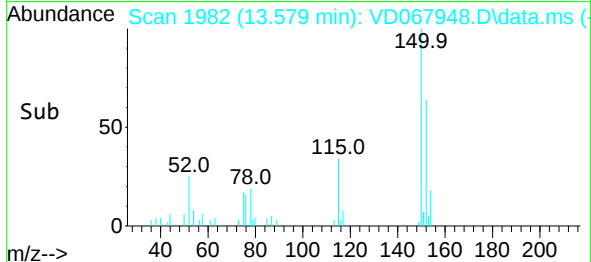
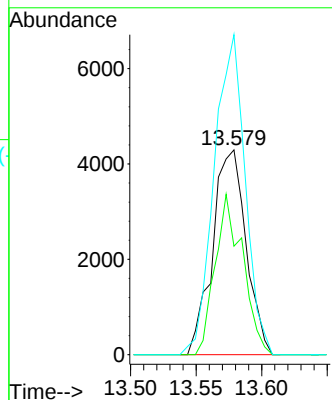
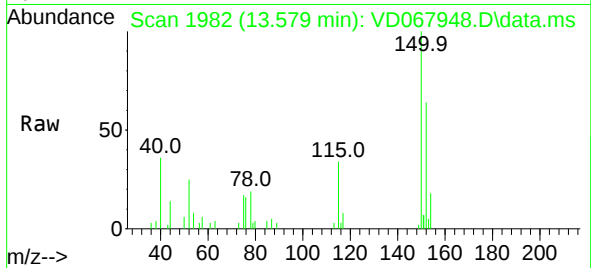




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

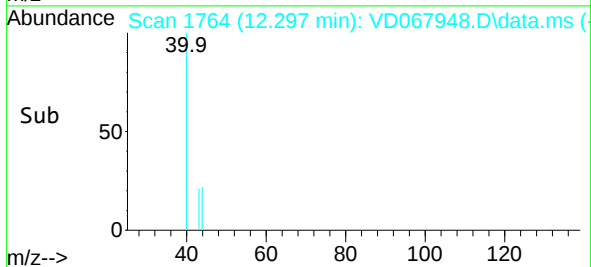
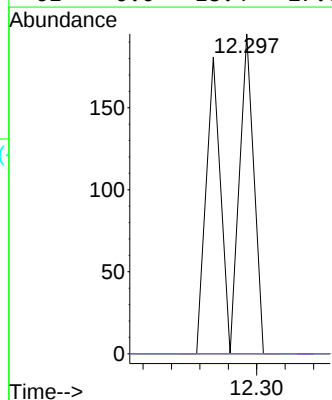
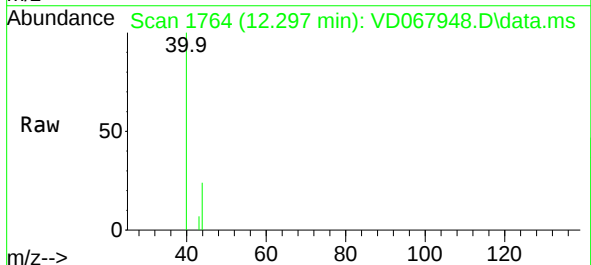
Instrument :
MSVOA_D
ClientSampleId :

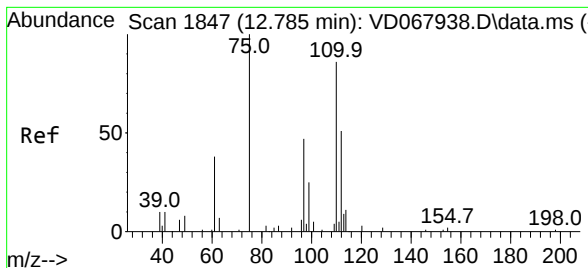
Tgt Ion:152 Resp: 7633
Ion Ratio Lower Upper
152 100
115 64.3 29.3 88.0
150 144.3 0.0 340.0



#74
N-ethyl acetate
Concen: 1.03 ug/l
RT: 12.297 min Scan# 1764
Delta R.T. 0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
70 0.0 34.3 51.5#
55 0.0 21.2 31.8#
61 0.0 18.4 27.6#

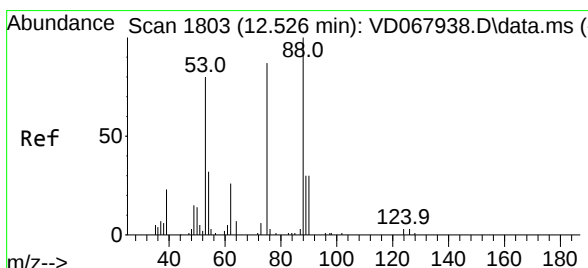
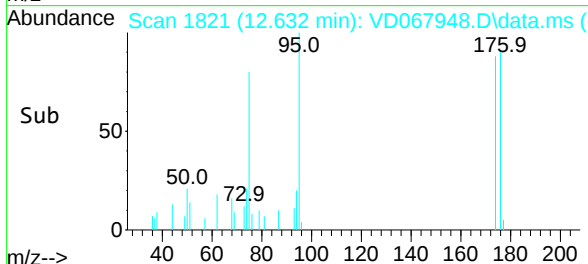
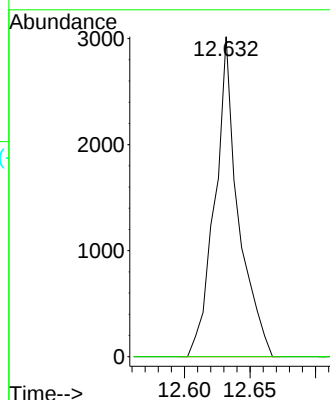
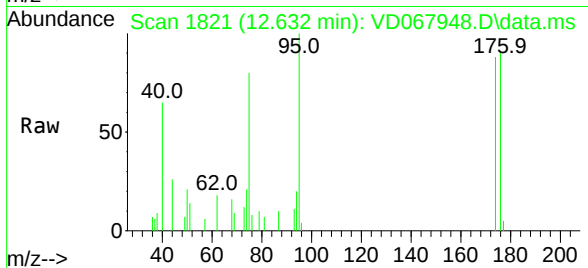




#76
1,2,3-Trichloropropane
Concen: 58.21 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

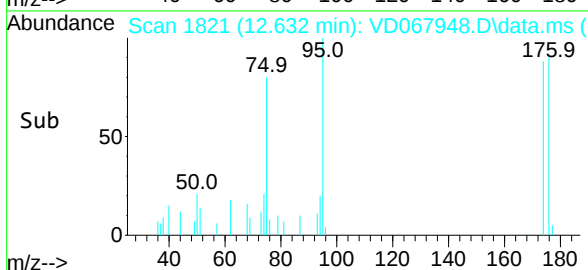
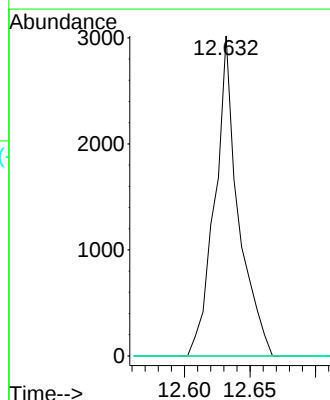
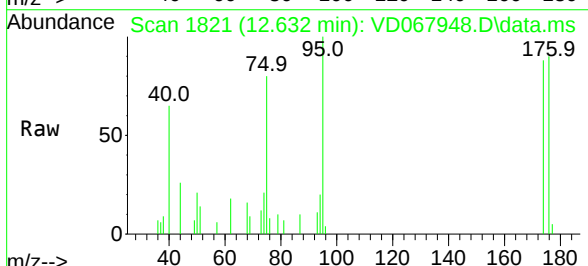
Instrument :
MSVOA_D
ClientSampled :

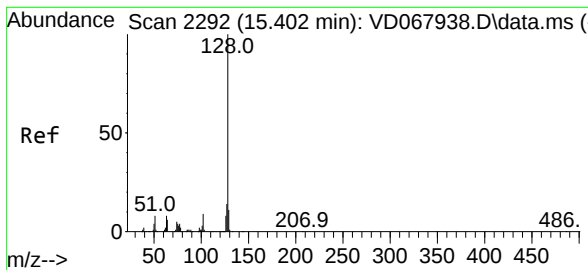
Tgt Ion: 75 Resp: 3741
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.32 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

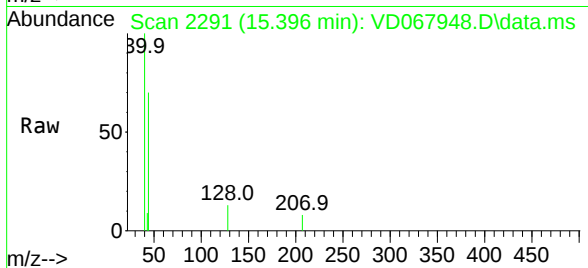
Tgt Ion: 75 Resp: 3741
Ion Ratio Lower Upper
75 100
53 0.0 74.9 112.3#
89 0.0 33.8 50.8#





#95
Naphthalene
Concen: 1.31 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD067948.D
Acq: 24 Dec 2020 16:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 299
Ion Ratio Lower Upper
128 100
127 0.0 11.2 16.8#
129 0.0 8.6 12.8#

