

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012822\
 Data File : VD071826.D
 Acq On : 28 Jan 2022 16:14
 Operator : VA/SY
 Sample : N1314-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-01-012722

Quant Time: Jan 29 04:52:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	3891	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	6531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	6204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	1957	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	3671	74.644	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.280%	
35) Dibromofluoromethane	7.914	113	2445	56.953	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.900%	
50) Toluene-d8	10.338	98	7854	48.987	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	12.626	95	2246	40.115	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.220%	

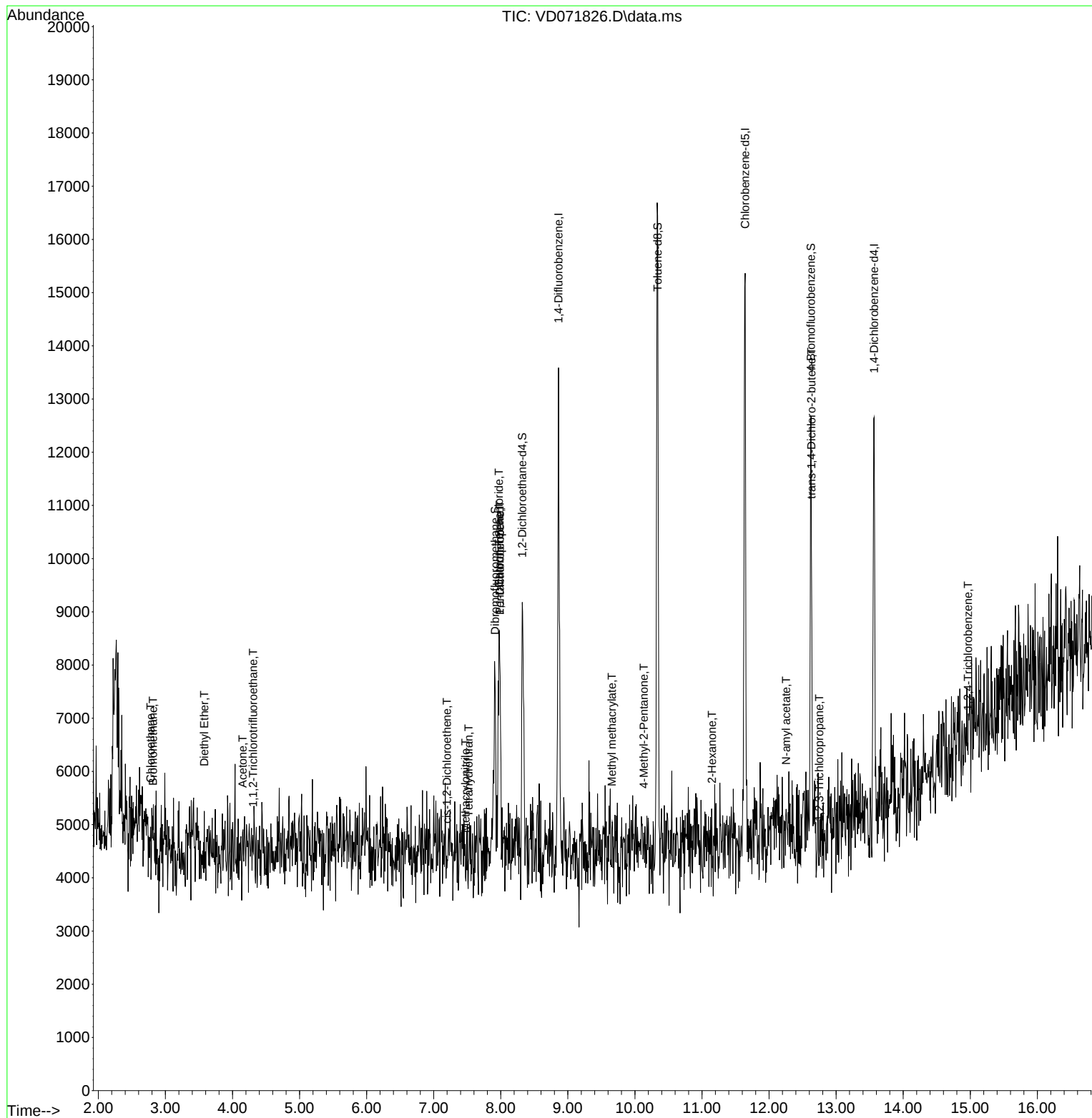
Target Compounds			Qvalue			
5) Bromomethane	2.815	94	76	1.992	ug/l	81
6) Chloroethane	2.779	64	70	1.910	ug/l	# 42
8) Diethyl Ether	3.579	74	61	2.789	ug/l	# 1
9) 1,1,2-Trichlorotrifluo...	4.309	101	61	1.305	ug/l	# 20
16) Acetone	4.150	43	56	4.160	ug/l	# 47
27) cis-1,2-Dichloroethene	7.197	96	55	1.029	ug/l	# 1
29) Tetrahydrofuran	7.520	42	123	13.245	ug/l	# 38
36) 1,1-Dichloropropene	7.985	75	342	4.642	ug/l	# 43
38) Carbon Tetrachloride	7.973	117	322	4.419	ug/l	# 13
41) Methacrylonitrile	7.473	41	123	6.347	ug/l	# 27
48) Methyl methacrylate	9.655	41	90	2.762	ug/l	# 19
51) 4-Methyl-2-Pentanone	10.132	43	122	3.786	ug/l	# 39
59) 2-Hexanone	11.149	43	60	2.566	ug/l	# 27
74) N-amyl acetate	12.255	43	60	1.610	ug/l	# 45
76) 1,2,3-Trichloropropane	12.749	75	89	4.315	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	1346	160.466	ug/l	# 7
93) 1,2,4-Trichlorobenzene	14.967	180	74	2.162	ug/l	# 12

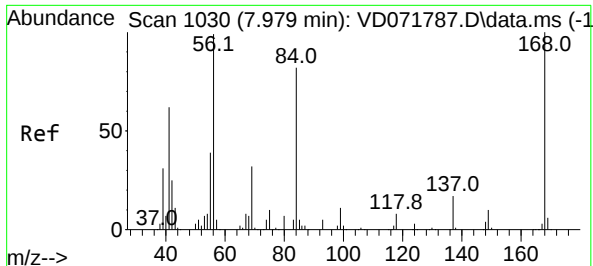
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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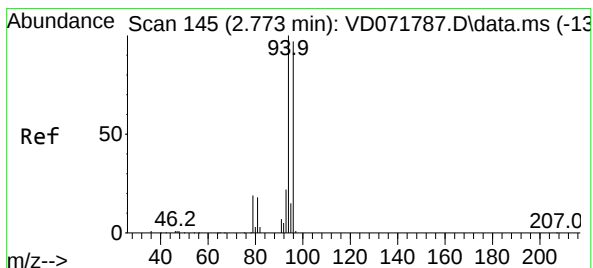
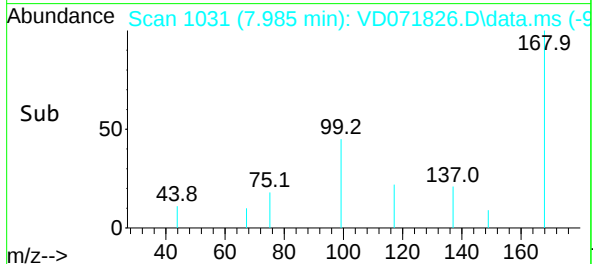
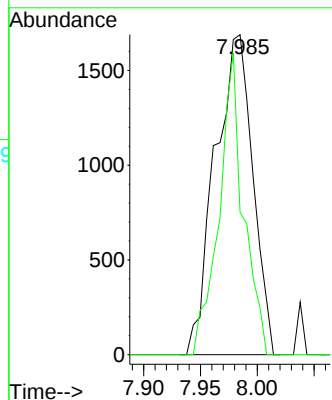
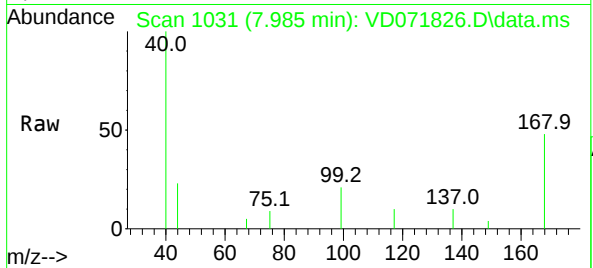




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

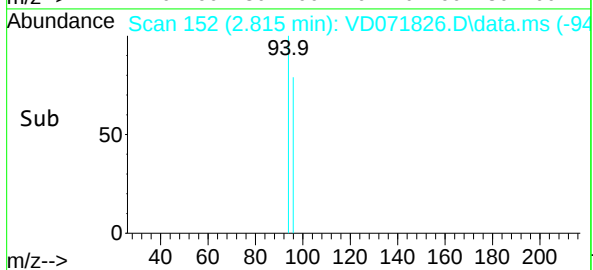
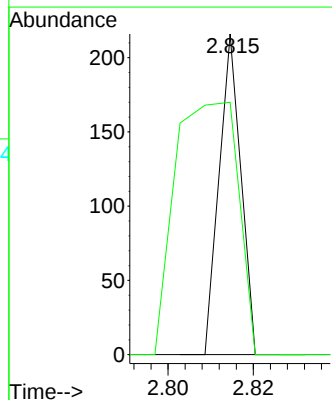
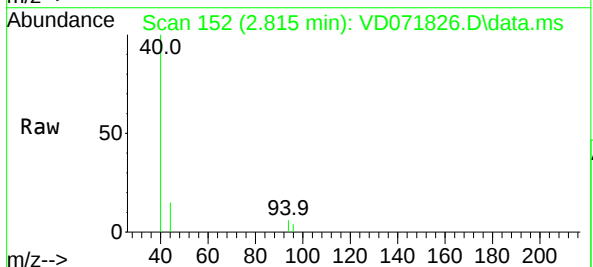
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

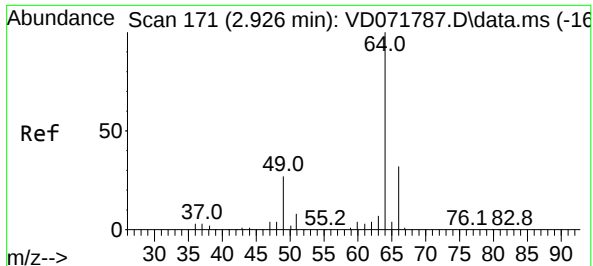
Tgt Ion:168 Resp: 3891
Ion Ratio Lower Upper
168 100
99 44.5 49.8 74.6#



#5
Bromomethane
Concen: 1.992 ug/l
RT: 2.815 min Scan# 152
Delta R.T. 0.041 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 78.7 77.6 116.4

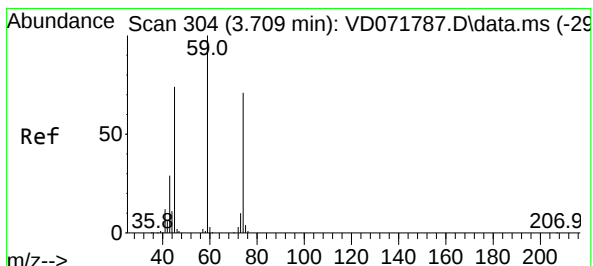
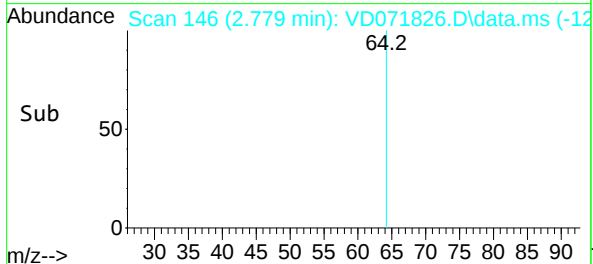
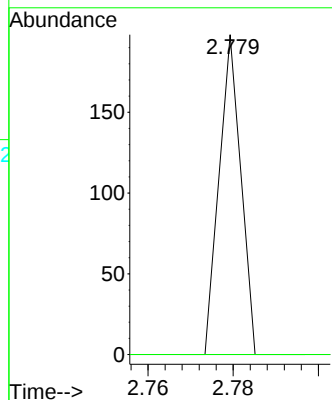
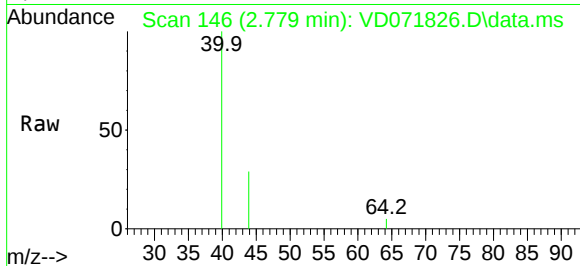




#6
Chloroethane
Concen: 1.910 ug/l
RT: 2.779 min Scan# 14
Delta R.T. -0.147 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

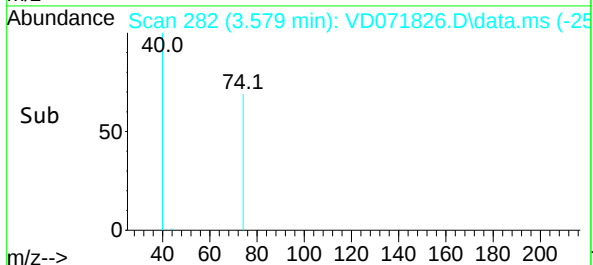
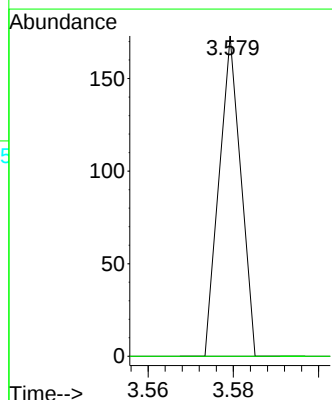
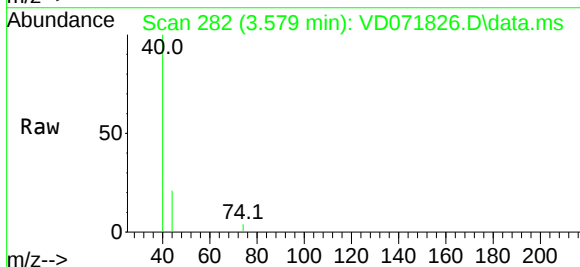
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

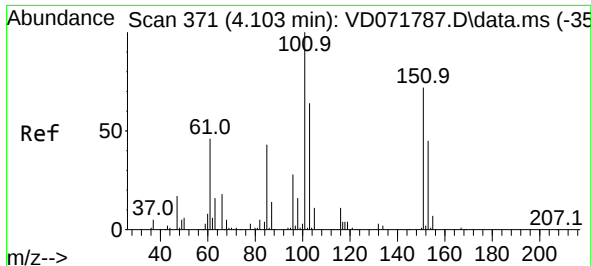
Tgt Ion: 64 Resp: 70
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#8
Diethyl Ether
Concen: 2.789 ug/l
RT: 3.579 min Scan# 282
Delta R.T. -0.129 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 74 Resp: 61
Ion Ratio Lower Upper
74 100
45 0.0 52.6 157.8#

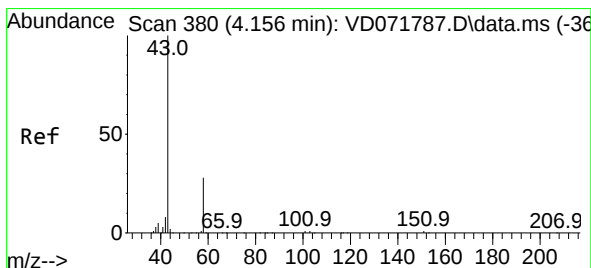
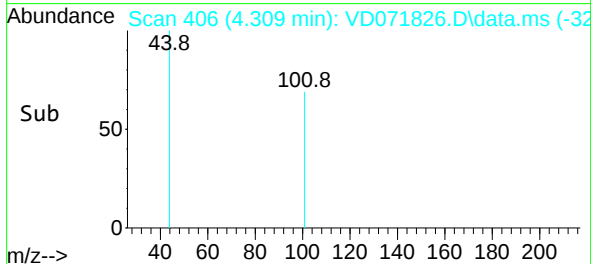
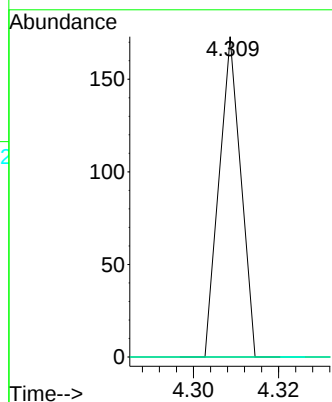
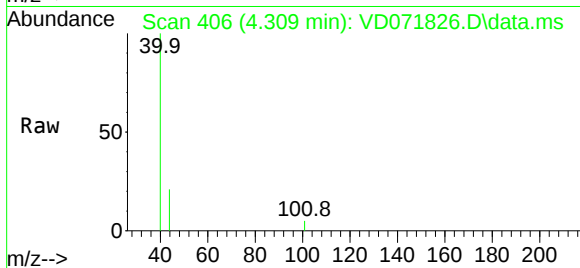




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.305 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.206 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

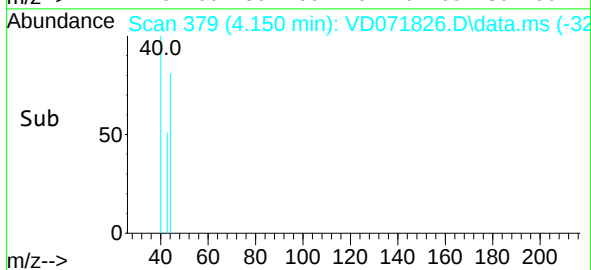
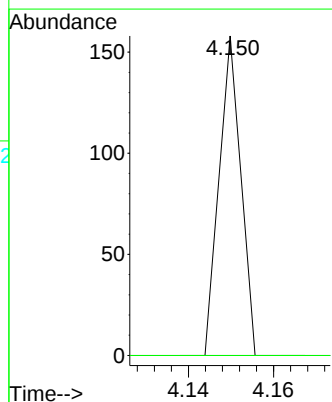
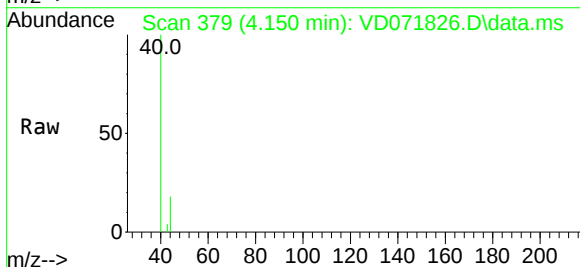
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

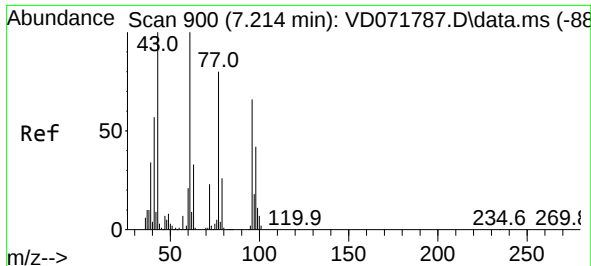
Tgt Ion:101 Resp: 61
Ion Ratio Lower Upper
101 100
85 0.0 36.4 54.6#
151 0.0 57.3 85.9#



#16
Acetone
Concen: 4.160 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#





#27

cis-1,2-Dichloroethene

Concen: 1.029 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.018 min

Lab File: VD071826.D

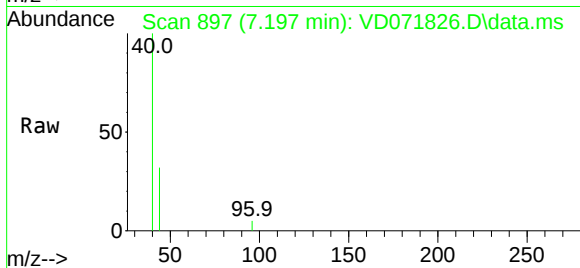
Acq: 28 Jan 2022 16:14

Instrument :

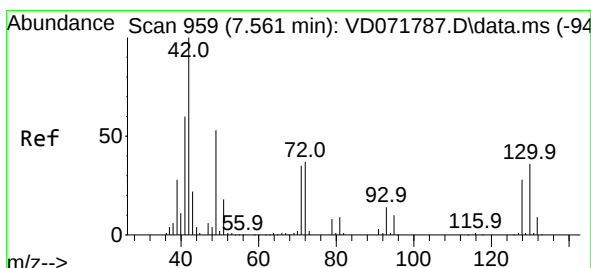
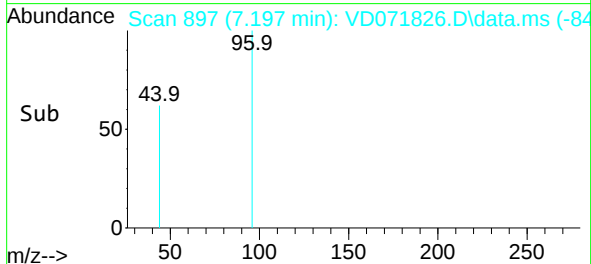
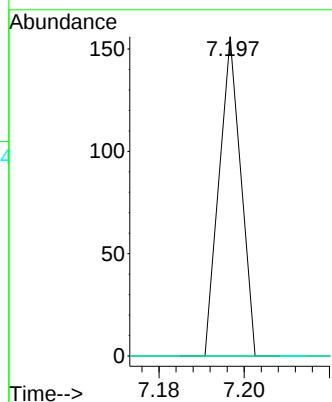
MSVOA_D

ClientSampleId :

CL-01-012722



Tgt Ion:	96	Resp:	55
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	313.8
98	0.0	0.0	128.8



#29

Tetrahydrofuran

Concen: 13.245 ug/l

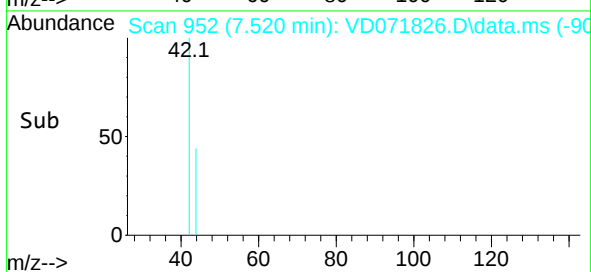
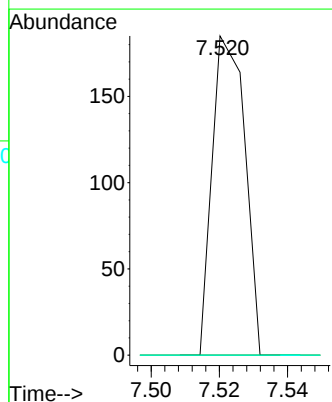
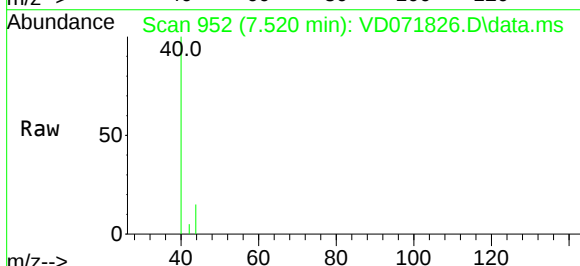
RT: 7.520 min Scan# 952

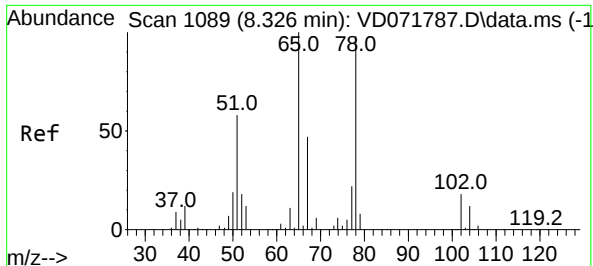
Delta R.T. -0.041 min

Lab File: VD071826.D

Acq: 28 Jan 2022 16:14

Tgt Ion:	42	Resp:	123
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#





#33

1,2-Dichloroethane-d4

Concen: 74.644 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD071826.D

Acq: 28 Jan 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

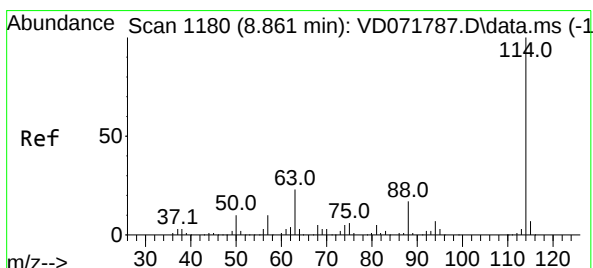
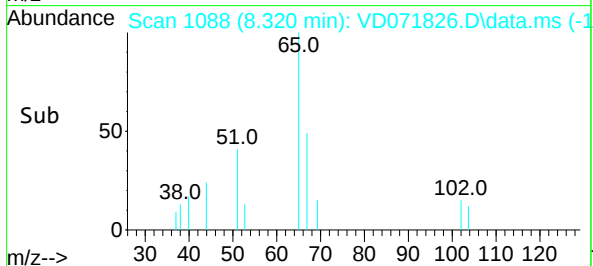
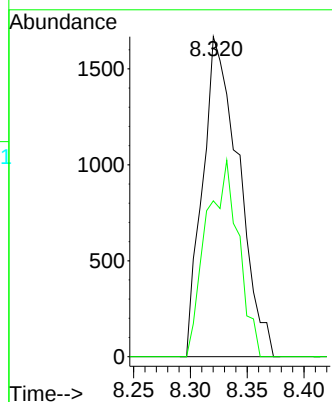
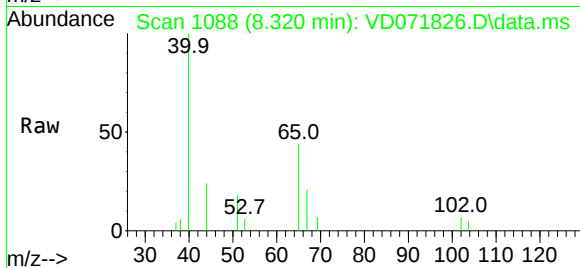
CL-01-012722

Tgt Ion: 65 Resp: 3671

Ion Ratio Lower Upper

65 100

67 55.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD071826.D

Acq: 28 Jan 2022 16:14

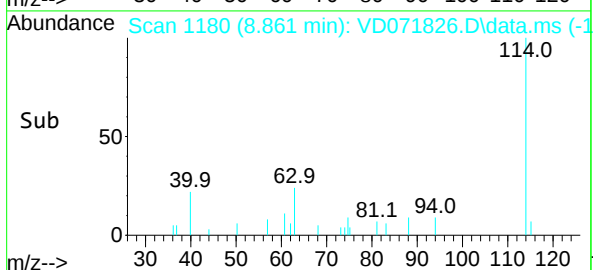
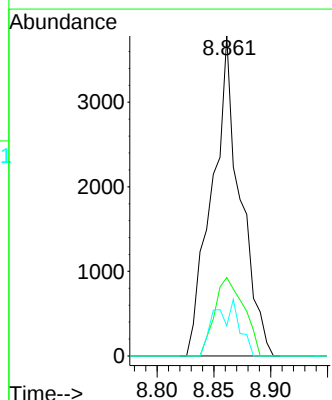
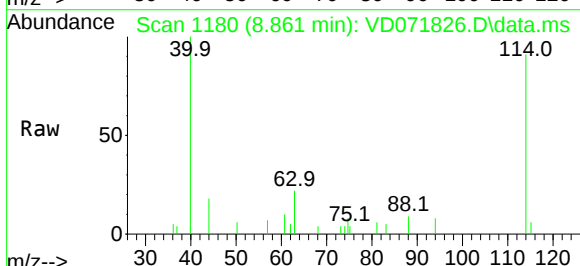
Tgt Ion: 114 Resp: 6531

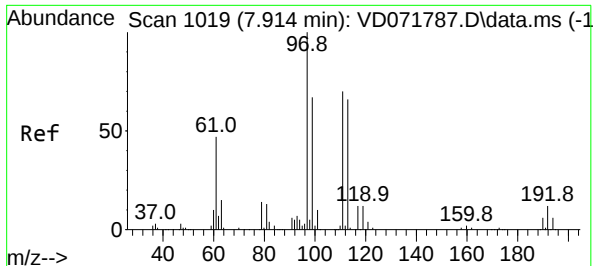
Ion Ratio Lower Upper

114 100

63 24.5 0.0 46.6

88 9.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 56.953 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD071826.D

Acq: 28 Jan 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

CL-01-012722

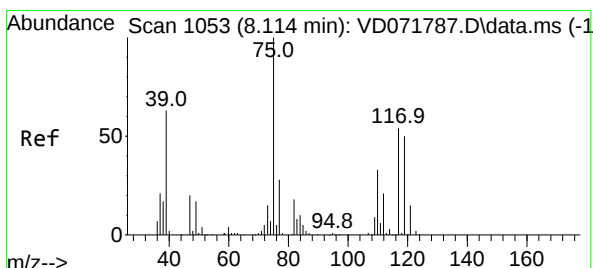
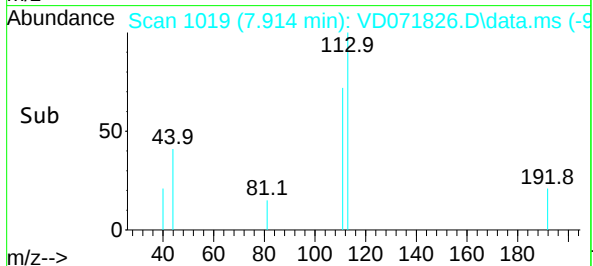
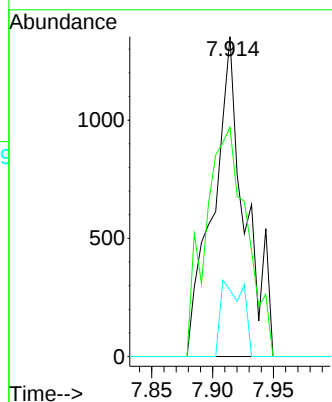
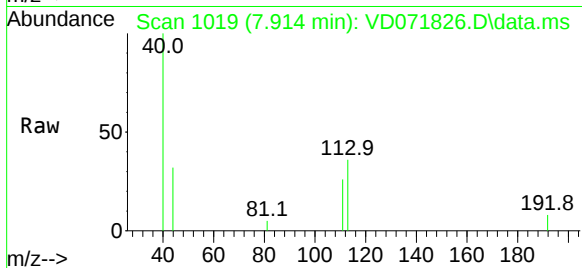
Tgt Ion:113 Resp: 2445

Ion Ratio Lower Upper

113 100

111 93.3 83.8 125.6

192 16.5 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.130 min

Lab File: VD071826.D

Acq: 28 Jan 2022 16:14

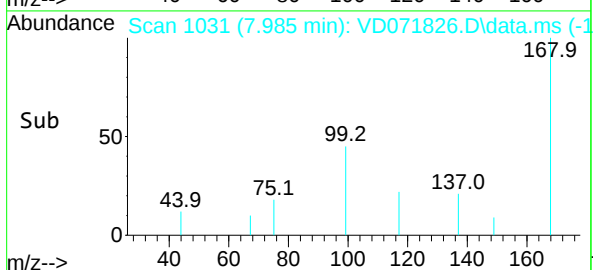
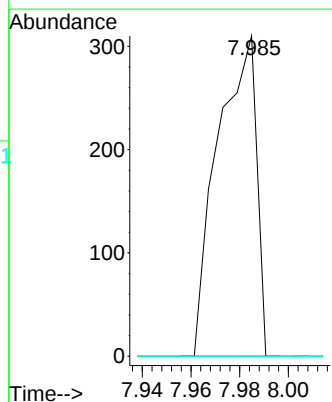
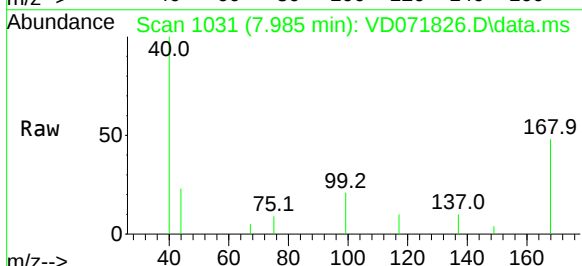
Tgt Ion: 75 Resp: 342

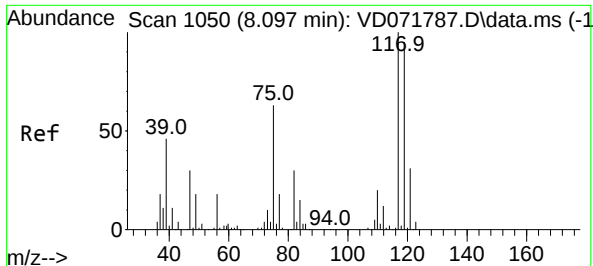
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#

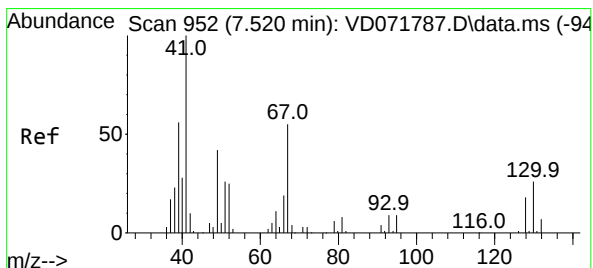
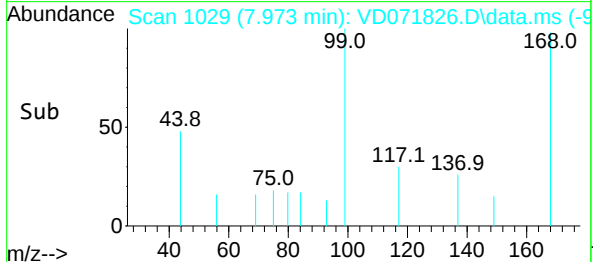
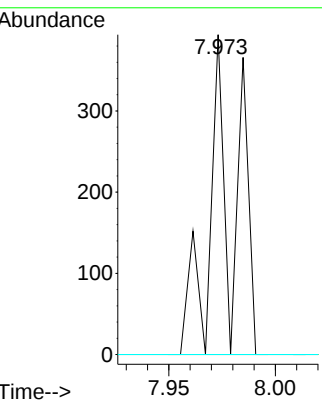
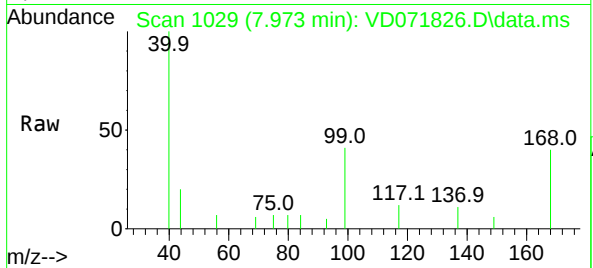




#38
Carbon Tetrachloride
Concen: 4.419 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

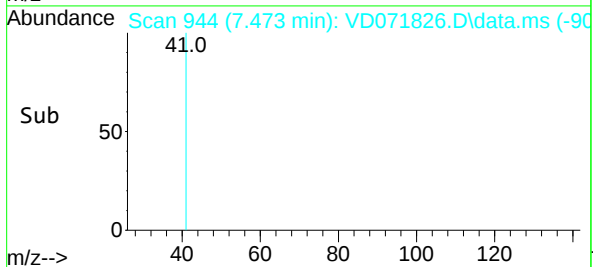
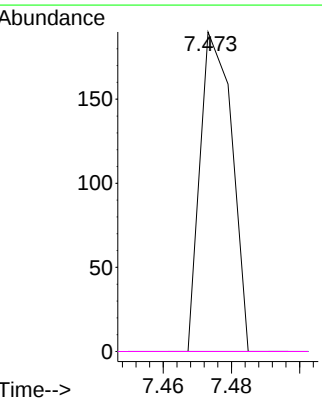
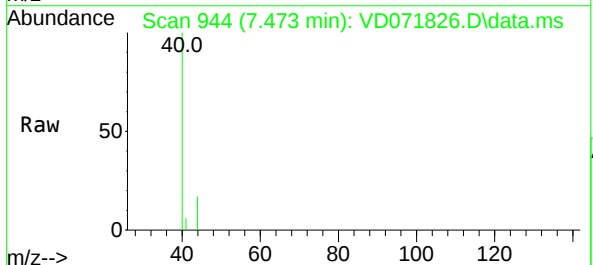
Instrument :
MSVOA_D
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CL-01-012722

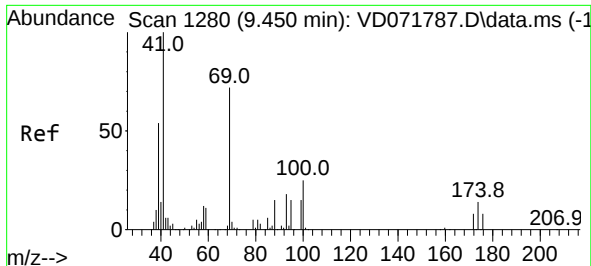
Tgt Ion:117 Resp: 322
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 6.347 ug/l
RT: 7.473 min Scan# 944
Delta R.T. -0.047 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

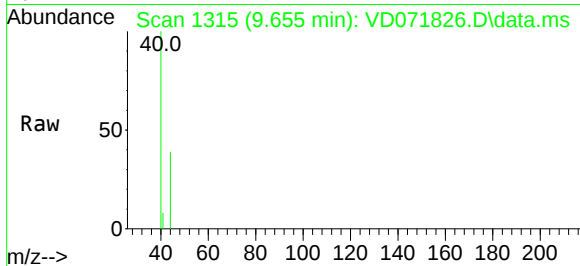
Tgt Ion: 41 Resp: 123
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#



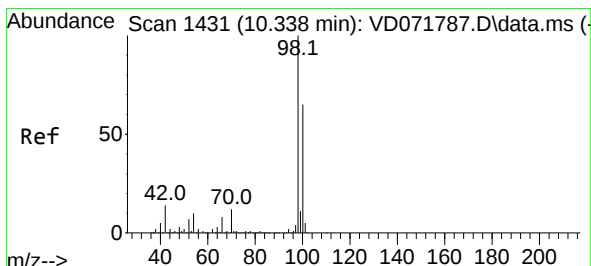
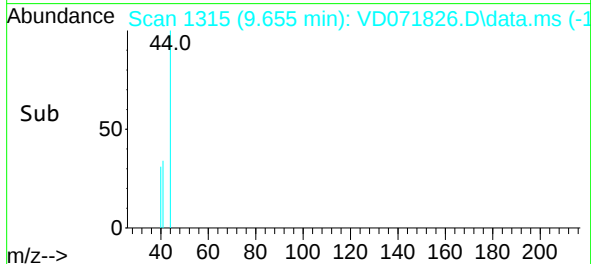
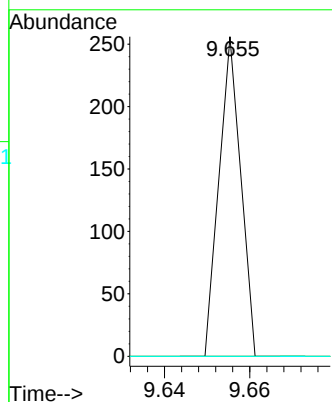


#48
Methyl methacrylate
Concen: 2.762 ug/l
RT: 9.655 min Scan# 11
Delta R.T. 0.206 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

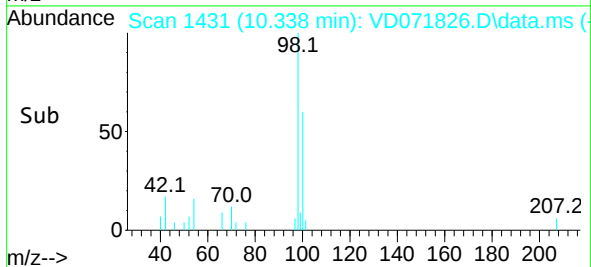
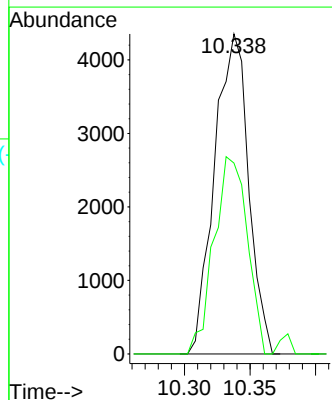
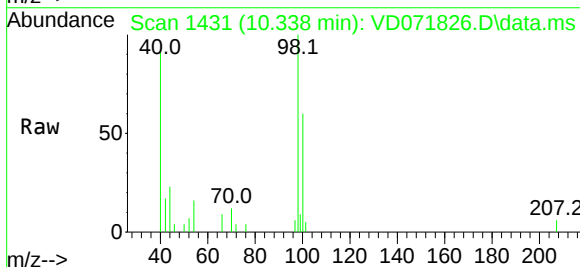


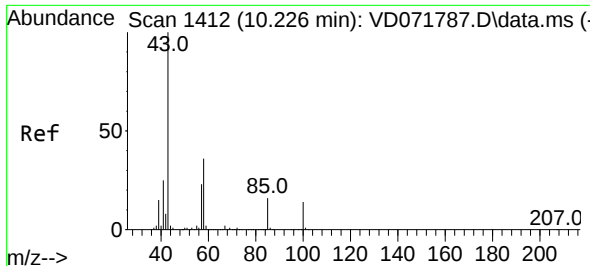
Tgt Ion: 41 Resp: 90
Ion Ratio Lower Upper
41 100
69 0.0 56.7 85.1#
39 0.0 42.7 64.1#



#50
Toluene-d8
Concen: 48.987 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 98 Resp: 7854
Ion Ratio Lower Upper
98 100
100 60.3 52.4 78.6

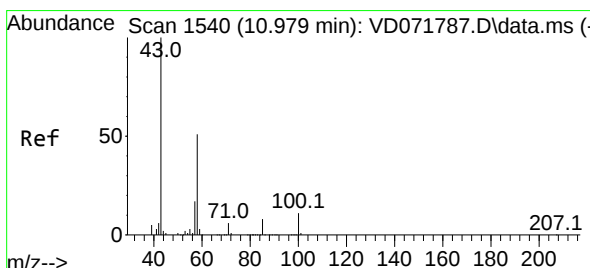
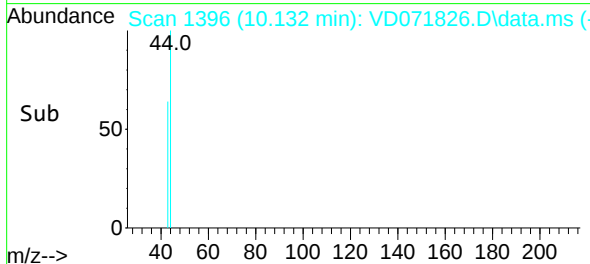
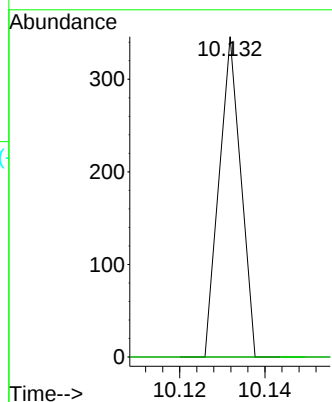
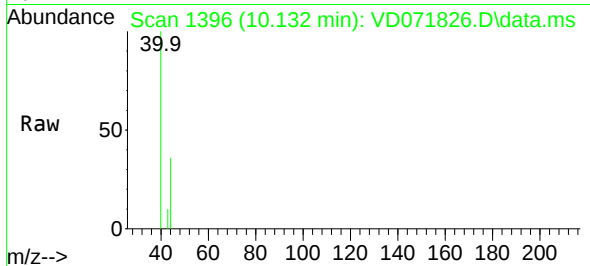




#51
4-Methyl-2-Pentanone
Concen: 3.786 ug/l
RT: 10.132 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

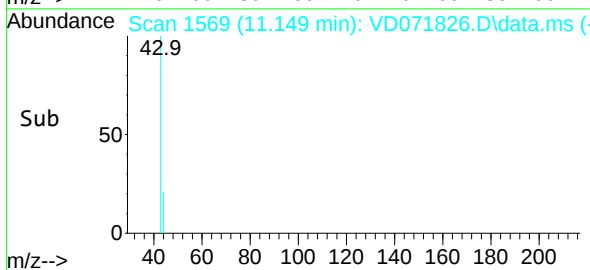
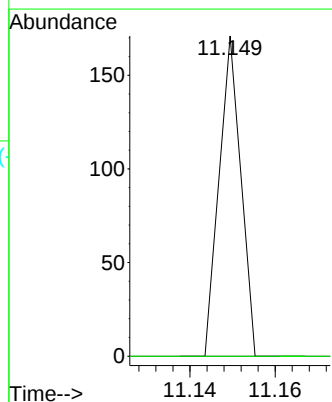
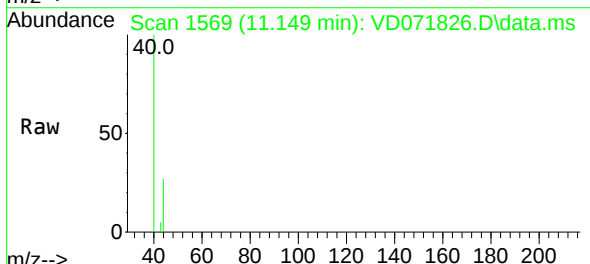
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

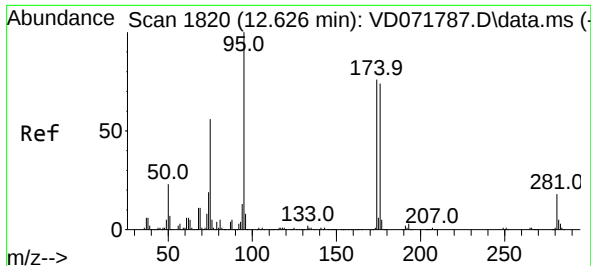
Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 2.566 ug/l
RT: 11.149 min Scan# 1569
Delta R.T. 0.171 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

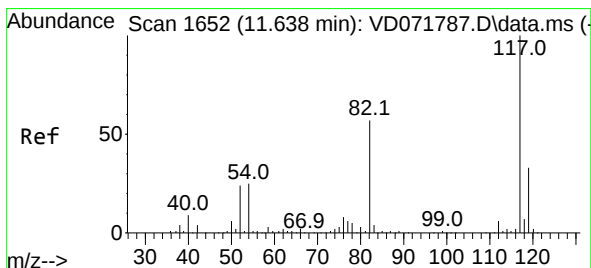
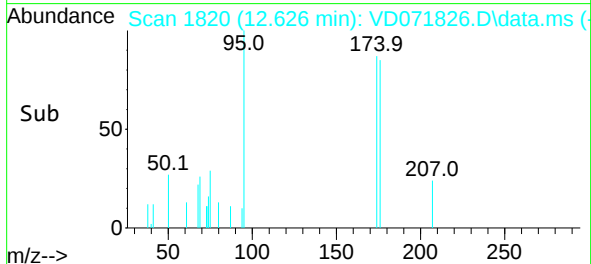
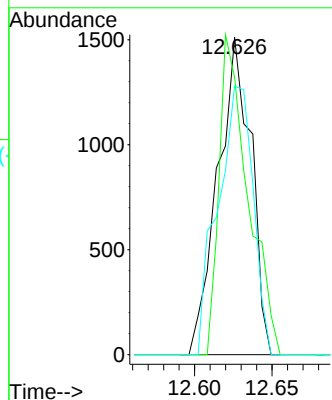
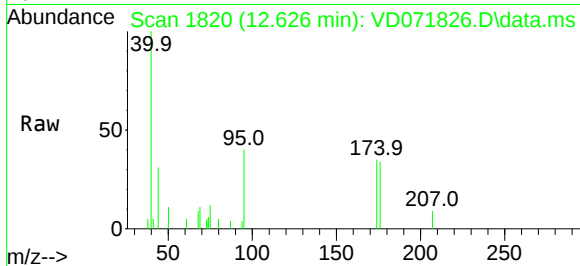




#62
4-Bromofluorobenzene
Concen: 40.115 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

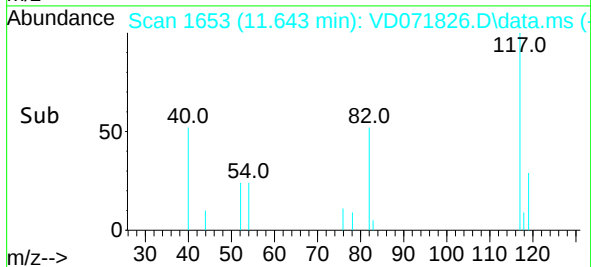
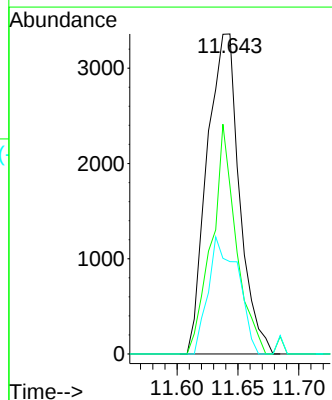
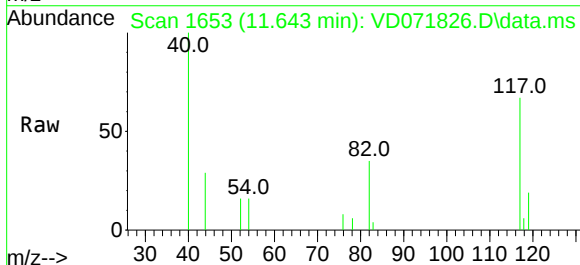
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

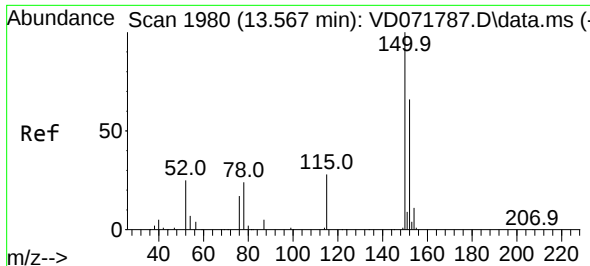
Tgt Ion: 95 Resp: 2246
Ion Ratio Lower Upper
95 100
174 87.5 0.0 152.8
176 90.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 117 Resp: 6204
Ion Ratio Lower Upper
117 100
82 52.5 45.3 67.9
119 28.8 26.6 40.0

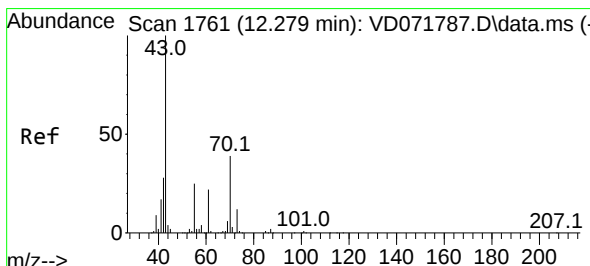
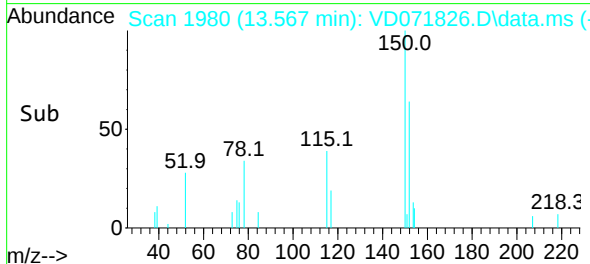
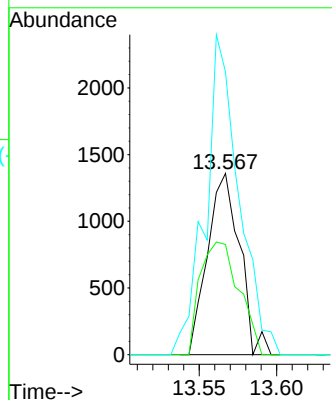
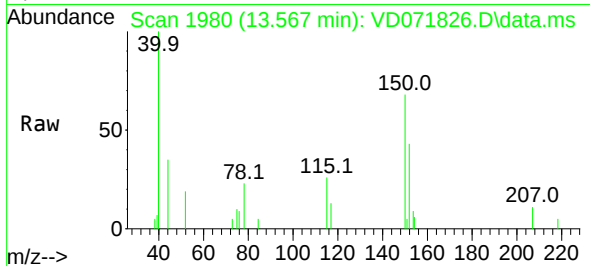




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

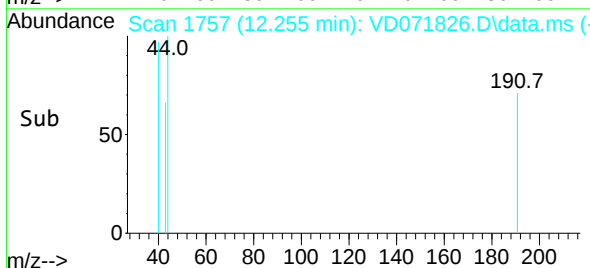
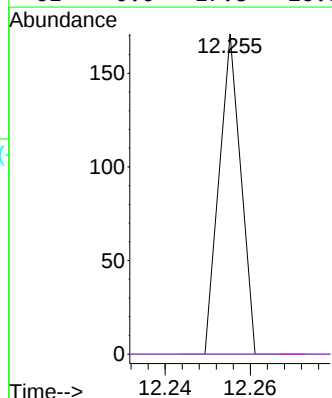
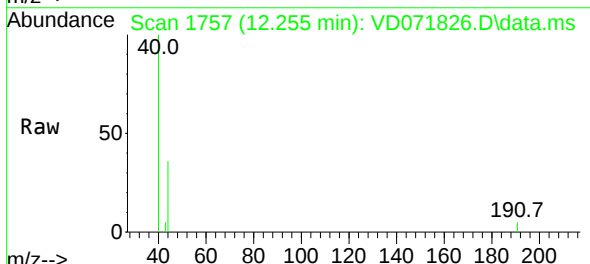
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

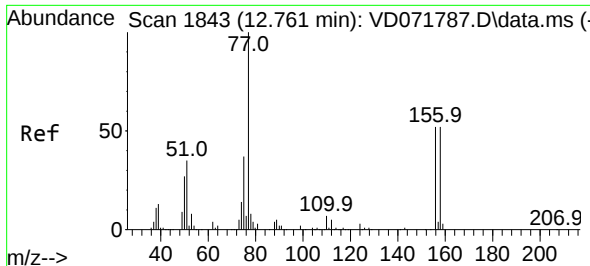
Tgt Ion:152 Resp: 1957
Ion Ratio Lower Upper
152 100
115 75.2 31.3 93.8
150 184.2 0.0 348.6



#74
N-ethyl acetate
Concen: 1.610 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 0.0 17.8 26.8#

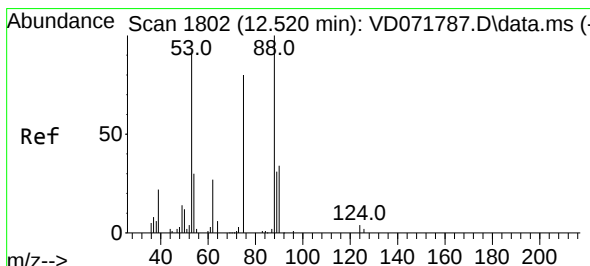
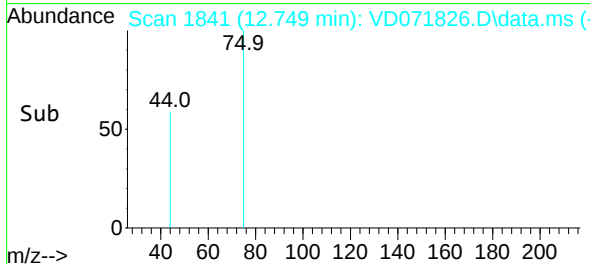
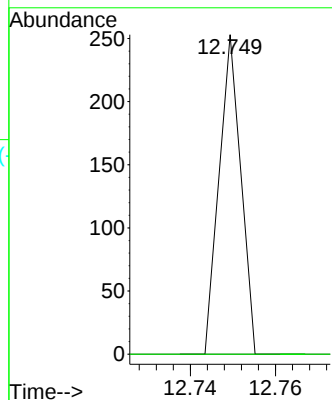
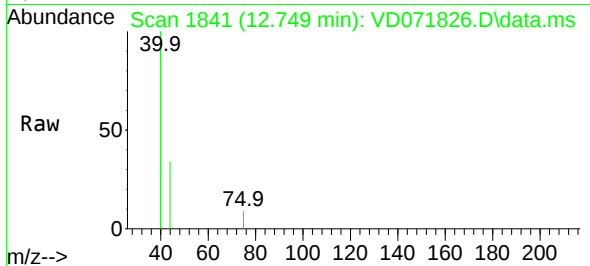




#76
1,2,3-Trichloropropane
Concen: 4.315 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.024 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

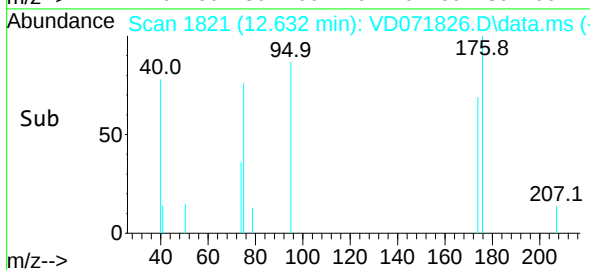
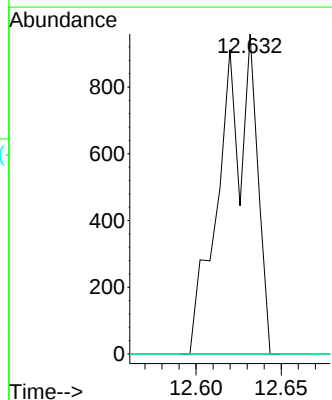
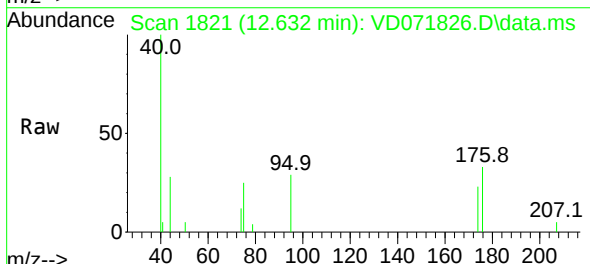
Instrument :
MSVOA_D
ClientSampleId :
CL-01-012722

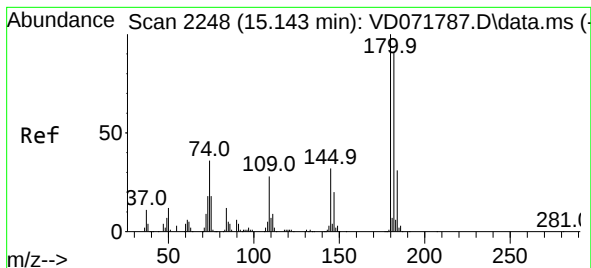
Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 160.466 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.112 min
Lab File: VD071826.D
Acq: 28 Jan 2022 16:14

Tgt Ion: 75 Resp: 1346
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#93

1,2,4-Trichlorobenzene

Concen: 2.162 ug/l

RT: 14.967 min Scan# 21

Delta R.T. -0.177 min

Lab File: VD071826.D

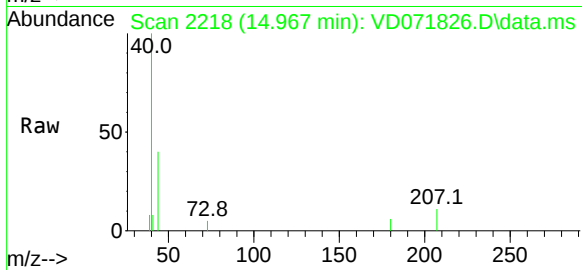
Acq: 28 Jan 2022 16:14

Instrument :

MSVOA_D

ClientSampleId :

CL-01-012722



Tgt Ion:180 Resp: 74

Ion Ratio Lower Upper

180 100

182 0.0 47.3 142.0#

145 0.0 16.2 48.5#

