

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072188.D
 Acq On : 15 Mar 2022 14:53
 Operator : VA/SY
 Sample : N1851-07
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUM-37

Quant Time: Mar 15 17:46:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

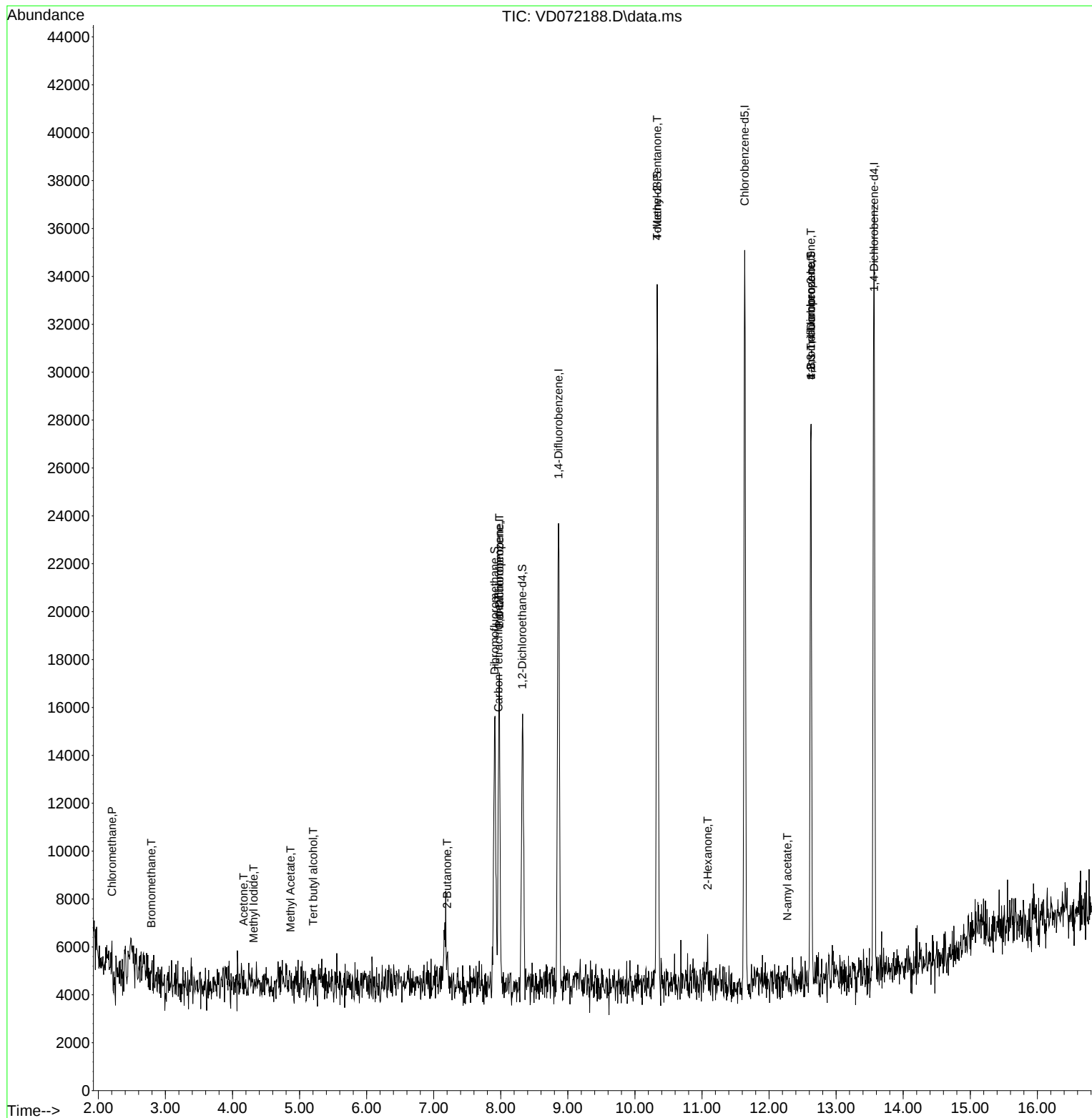
Internal Standards						
1) Pentafluorobenzene	7.979	168	8544	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	17011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	18282	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	8219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9226	96.893	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 193.780%#	
35) Dibromofluoromethane	7.908	113	7640	63.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.640%	
50) Toluene-d8	10.332	98	20907	47.764	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.626	95	7175	42.187	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	348	4.956	ug/l	# 1
5) Bromomethane	2.791	94	472	10.693	ug/l	93
10) Methyl Iodide	4.314	142	181	4.204	ug/l	# 77
11) Tert butyl alcohol	5.202	59	55	9.962	ug/l	# 74
16) Acetone	4.167	43	55	2.660	ug/l	# 47
18) Methyl Acetate	4.867	43	106	2.092	ug/l	# 55
25) 2-Butanone	7.202	43	83	3.011	ug/l	# 52
36) 1,1-Dichloropropene	7.979	75	427	2.543	ug/l	# 43
38) Carbon Tetrachloride	7.967	117	1255	6.574	ug/l	# 13
51) 4-Methyl-2-Pentanone	10.332	43	85	1.133	ug/l	# 39
59) 2-Hexanone	11.084	43	56	1.081	ug/l	# 27
74) N-amyl acetate	12.273	43	157	1.122	ug/l	# 45
76) 1,2,3-Trichloropropane	12.626	75	4617	50.925	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	4617	126.350	ug/l	# 7

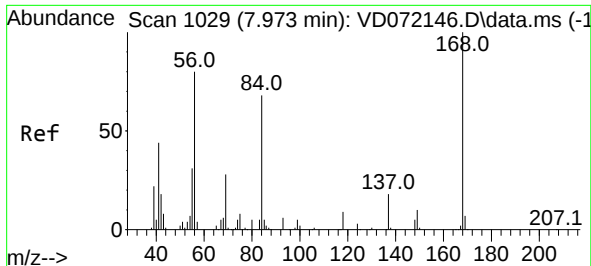
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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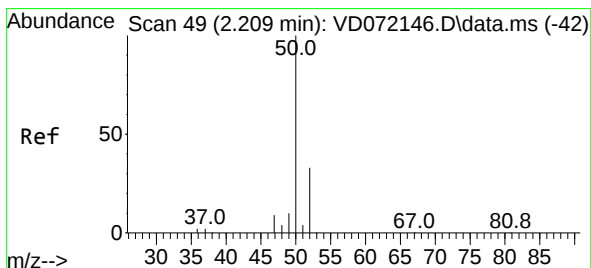
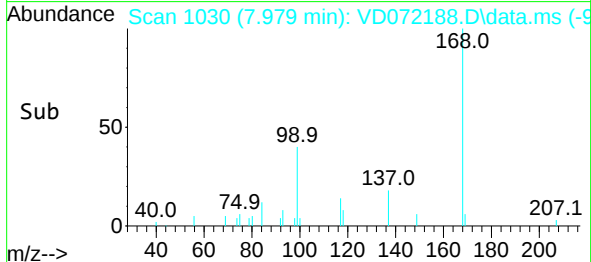
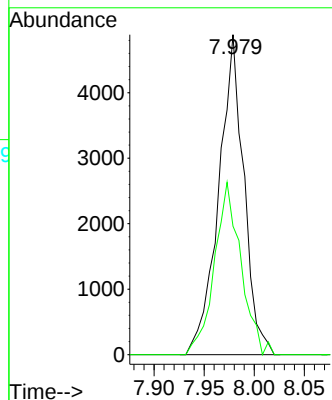
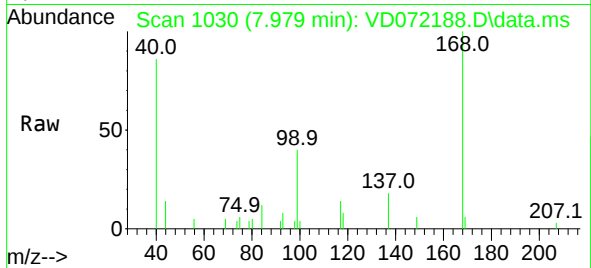




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

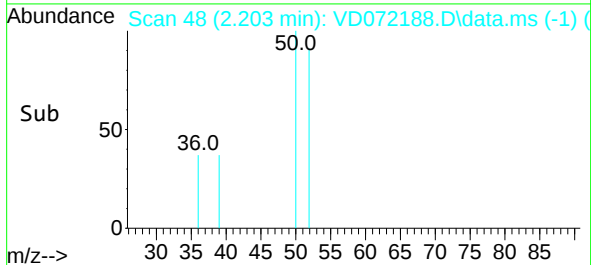
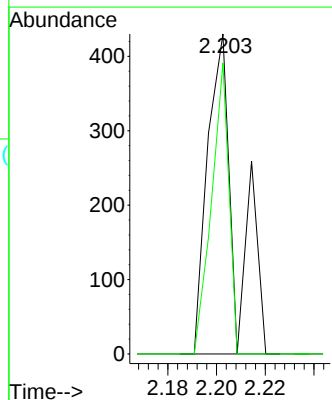
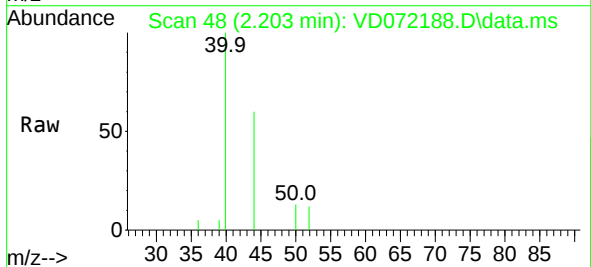
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

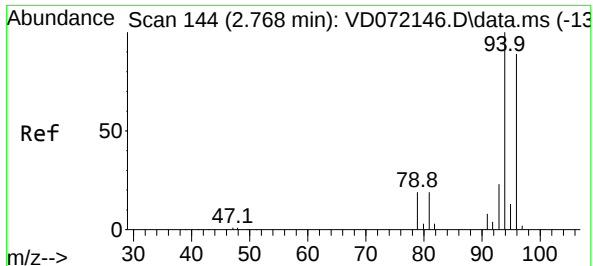
Tgt Ion:168 Resp: 8544
Ion Ratio Lower Upper
168 100
99 40.1 49.8 74.6#



#3
Chloromethane
Concen: 4.956 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 50 Resp: 348
Ion Ratio Lower Upper
50 100
52 90.9 27.4 41.0#

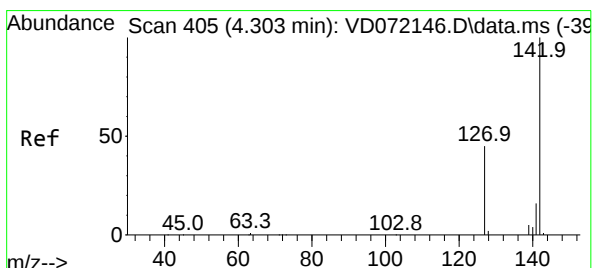
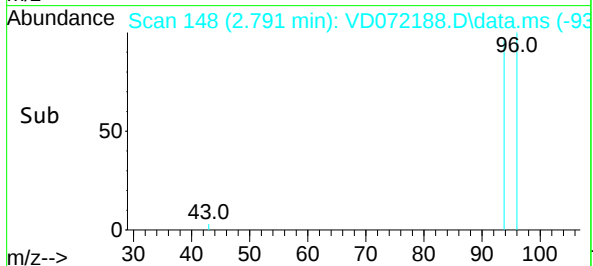
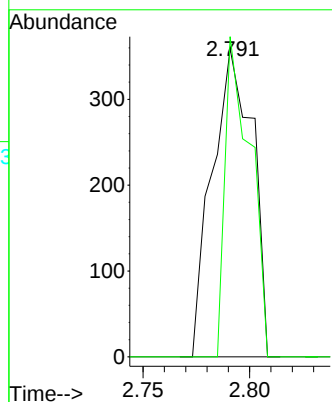
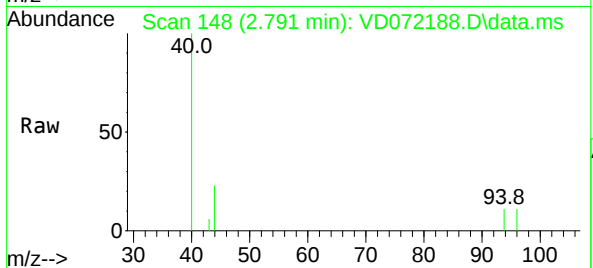




#5
Bromomethane
Concen: 10.693 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

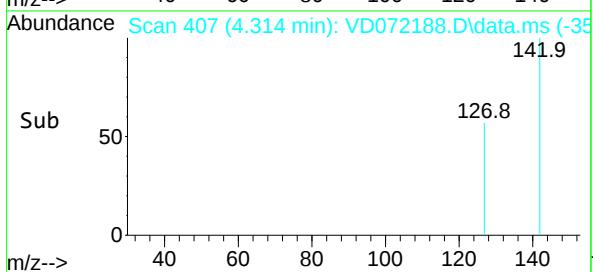
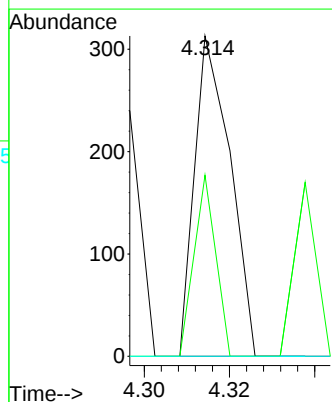
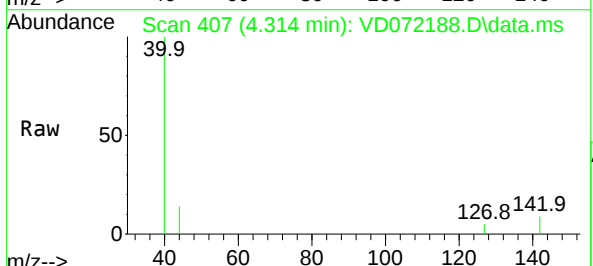
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

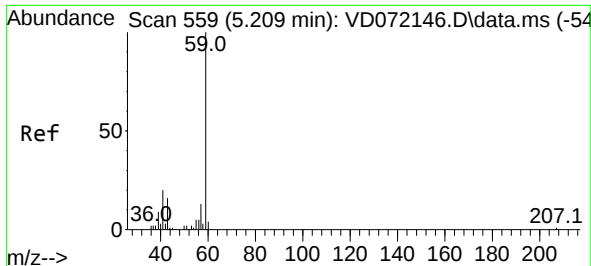
Tgt Ion: 94 Resp: 472
Ion Ratio Lower Upper
94 100
96 103.9 77.6 116.4



#10
Methyl Iodide
Concen: 4.204 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 142 Resp: 181
Ion Ratio Lower Upper
142 100
127 34.3 37.3 55.9#
141 0.0 11.7 17.5#

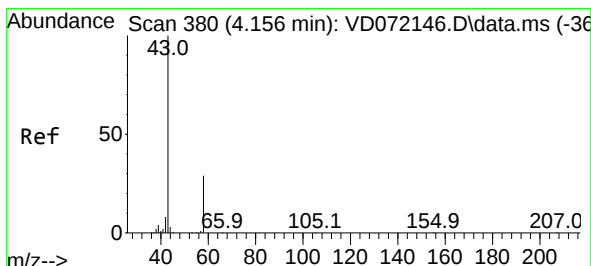
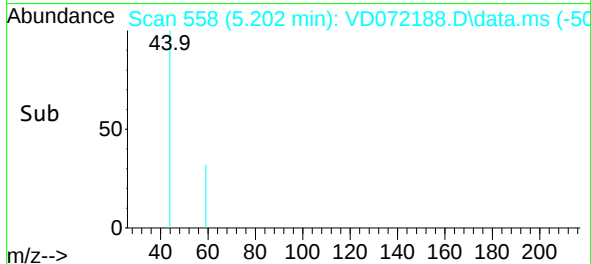
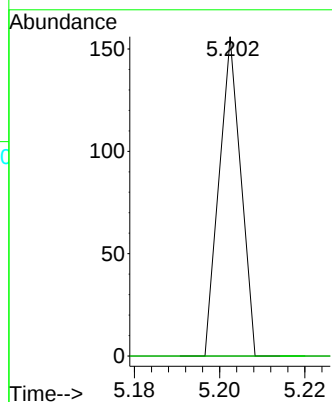
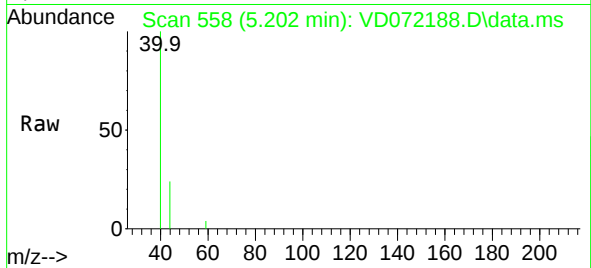




#11
Tert butyl alcohol
Concen: 9.962 ug/l
RT: 5.202 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

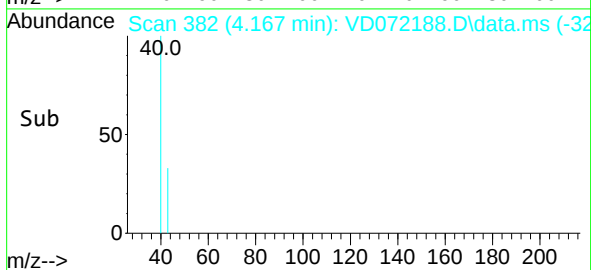
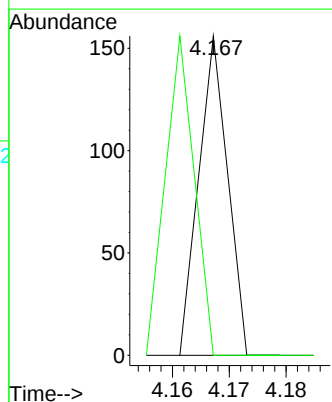
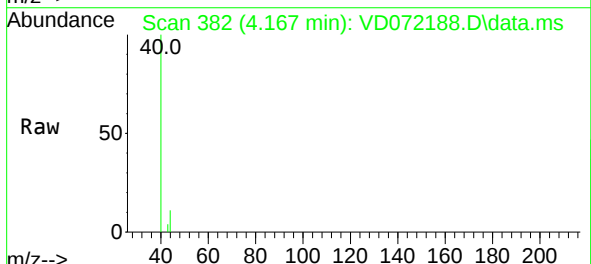
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

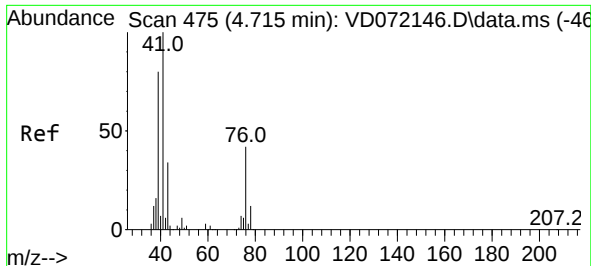
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.660 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

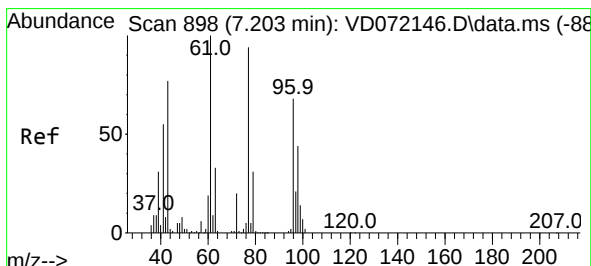
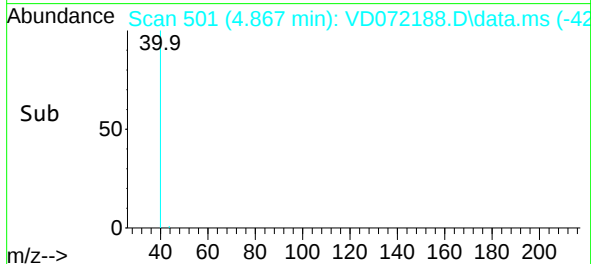
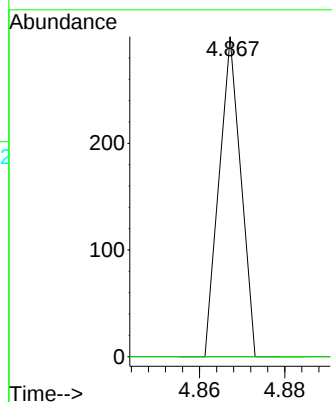
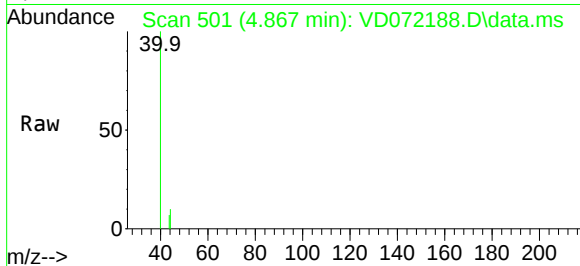




#18
Methyl Acetate
Concen: 2.092 ug/l
RT: 4.867 min Scan# 501
Delta R.T. 0.153 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

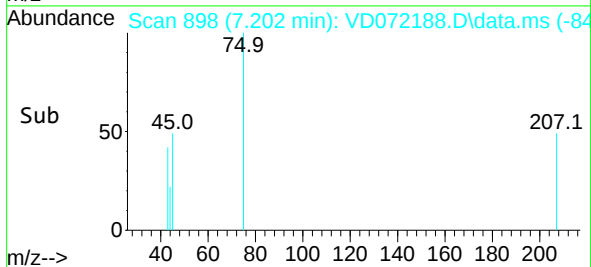
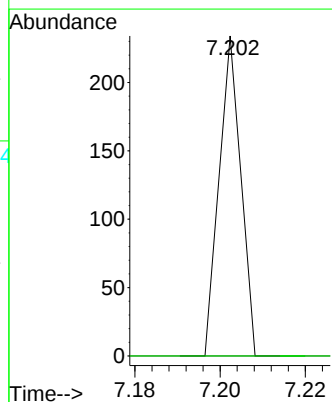
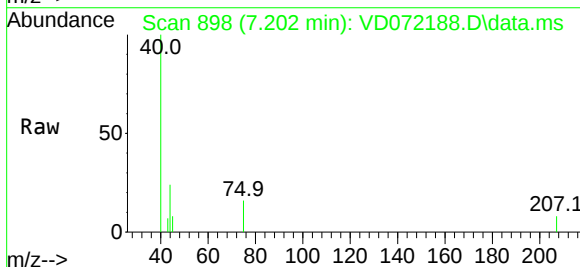
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

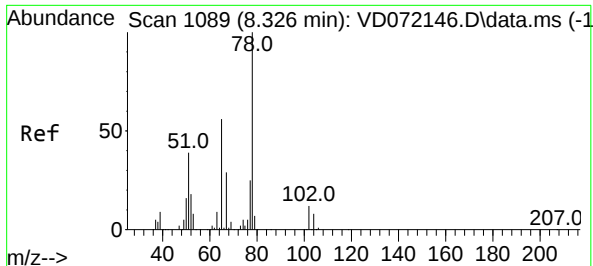
Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 3.011 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.000 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#33

1,2-Dichloroethane-d4

Concen: 96.893 ug/l

RT: 8.320 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD072188.D

Acq: 15 Mar 2022 14:53

Instrument :

MSVOA_D

ClientSampleId :

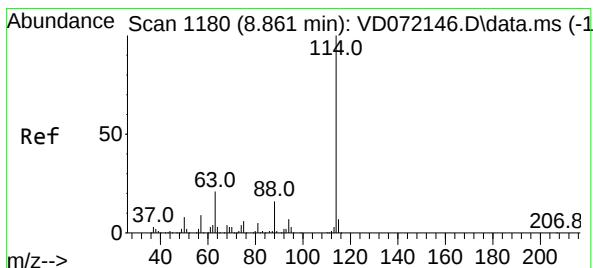
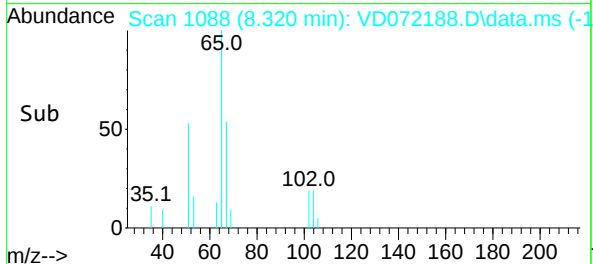
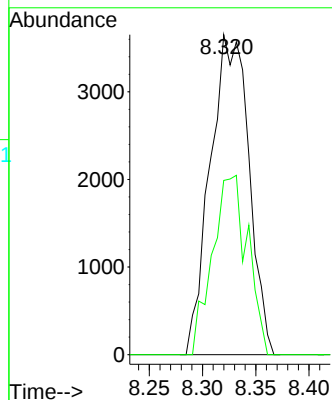
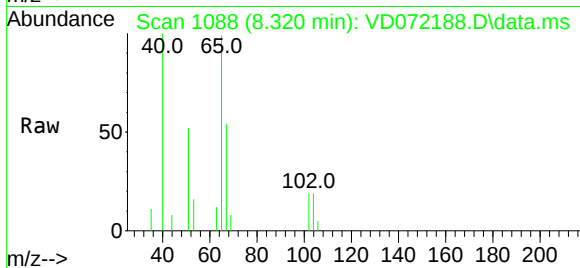
DUM-37

Tgt Ion: 65 Resp: 9226

Ion Ratio Lower Upper

65 100

67 51.0 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: VD072188.D

Acq: 15 Mar 2022 14:53

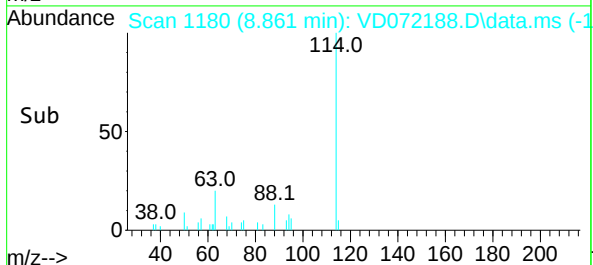
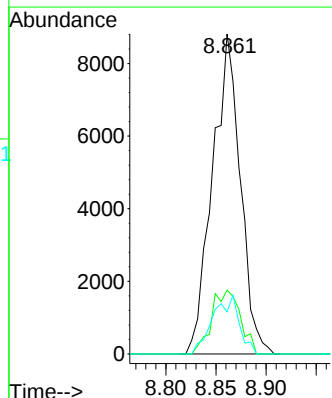
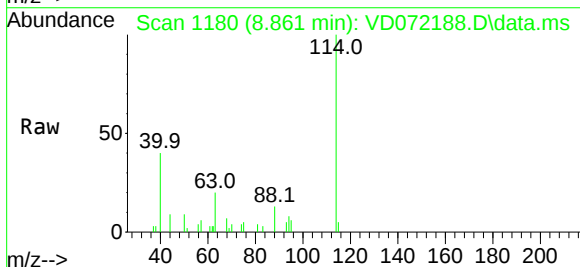
Tgt Ion: 114 Resp: 17011

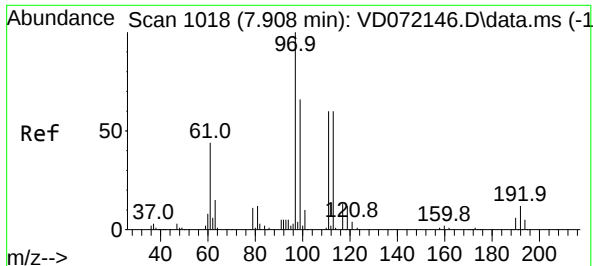
Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 13.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 63.822 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072188.D

Acq: 15 Mar 2022 14:53

Instrument :

MSVOA_D

ClientSampleId :

DUM-37

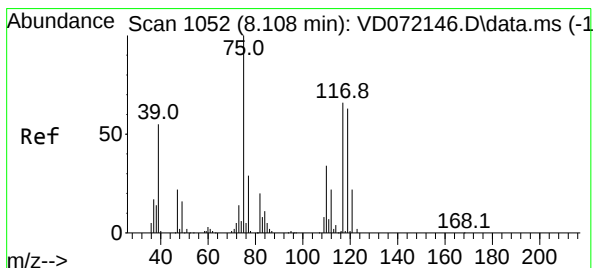
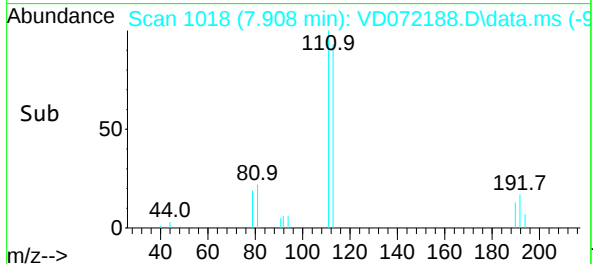
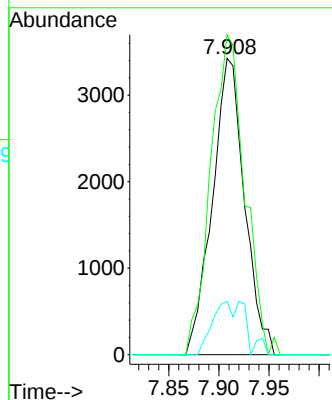
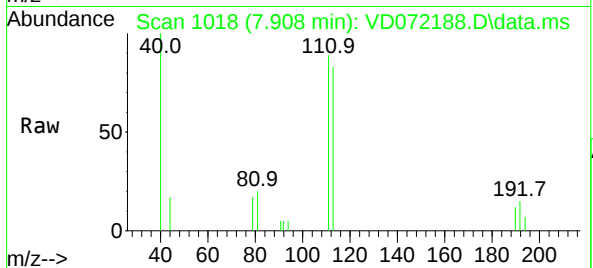
Tgt Ion:113 Resp: 7640

Ion Ratio Lower Upper

113 100

111 114.5 83.8 125.6

192 18.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 2.543 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD072188.D

Acq: 15 Mar 2022 14:53

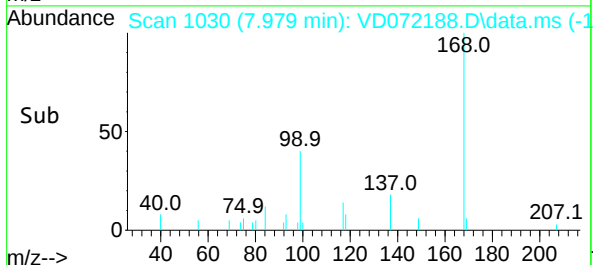
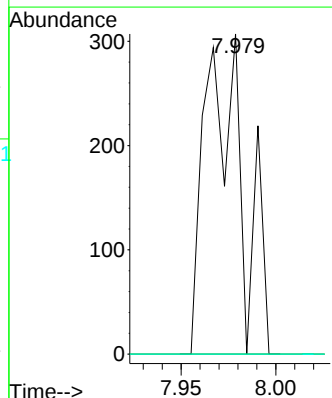
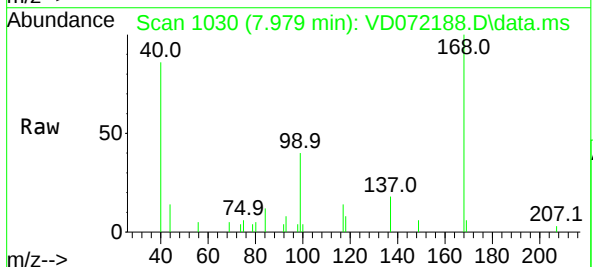
Tgt Ion: 75 Resp: 427

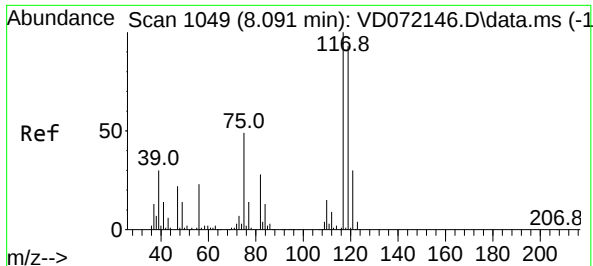
Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#

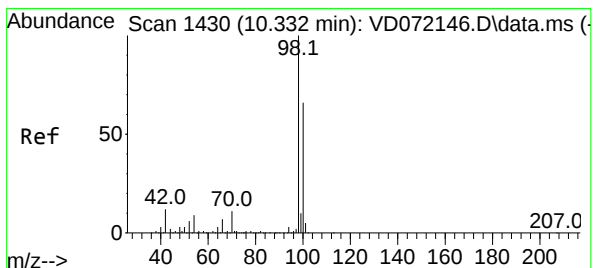
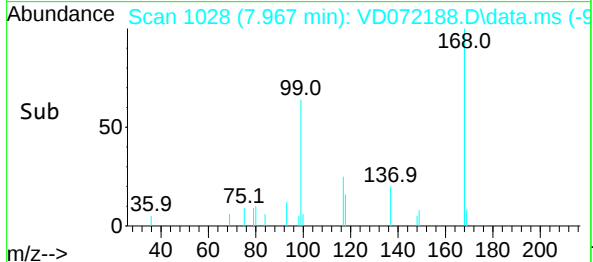
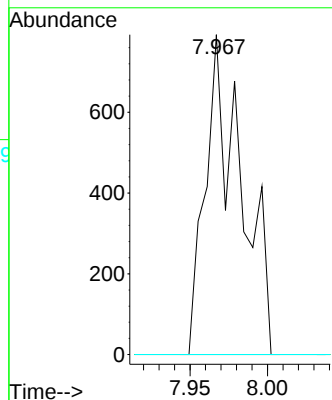
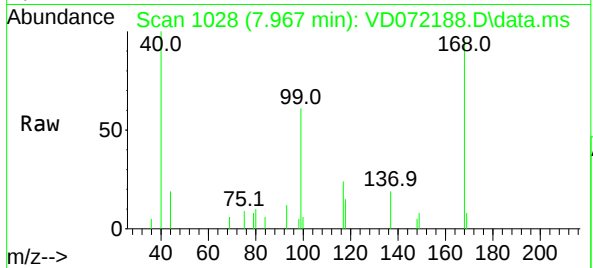




#38
Carbon Tetrachloride
Concen: 6.574 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

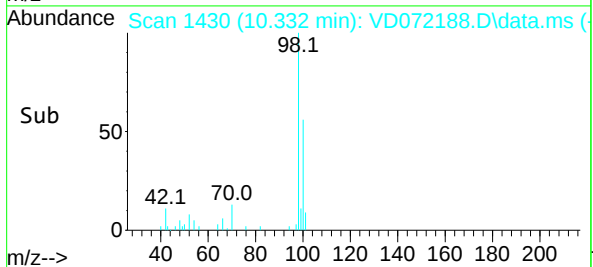
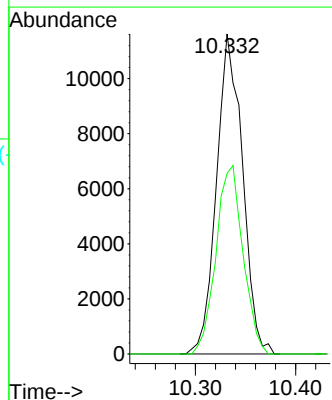
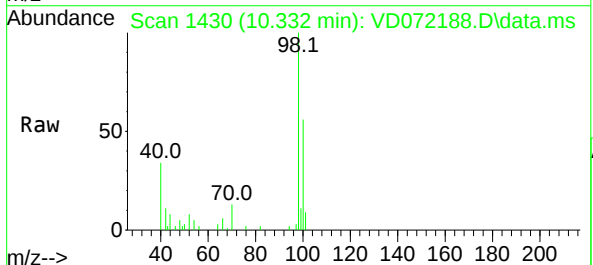
Instrument :
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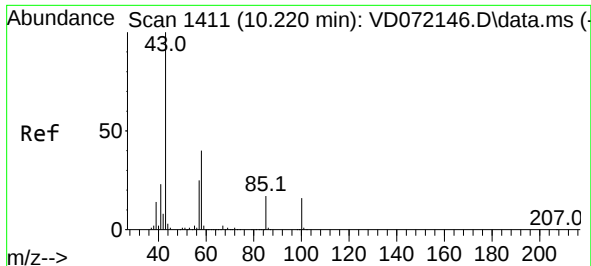
Tgt Ion:117 Resp: 1255
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.764 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 98 Resp: 20907
Ion Ratio Lower Upper
98 100
100 61.3 52.4 78.6

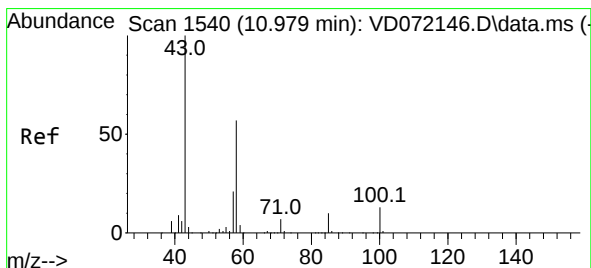
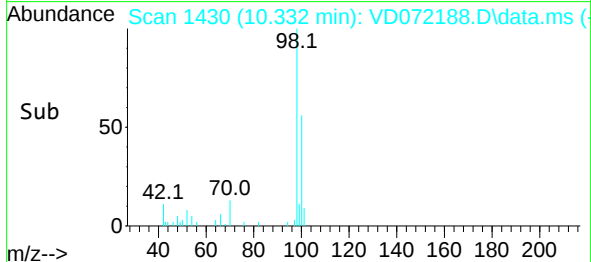
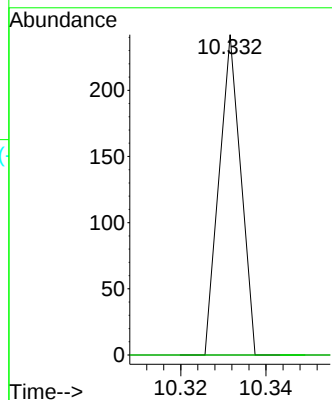
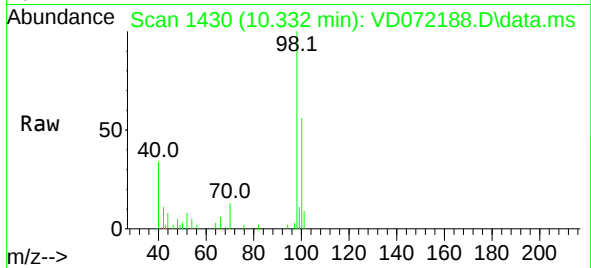




#51
4-Methyl-2-Pentanone
Concen: 1.133 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.111 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

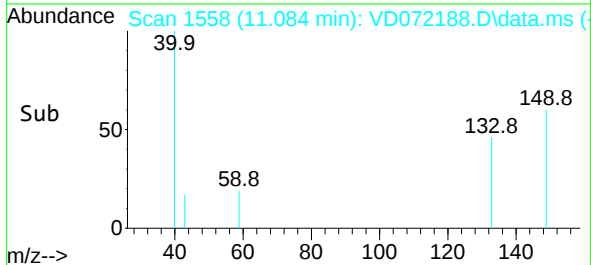
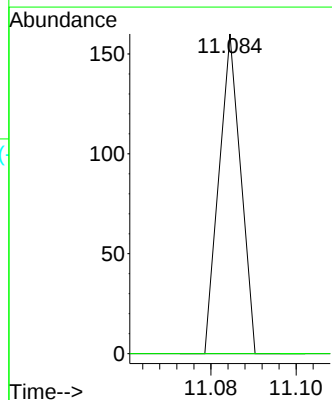
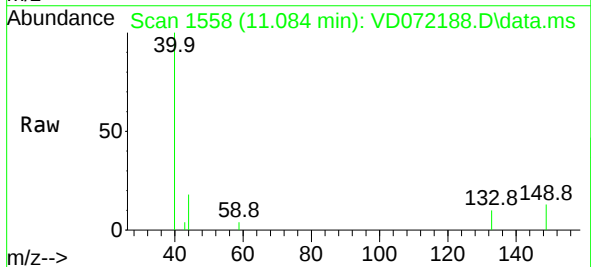
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

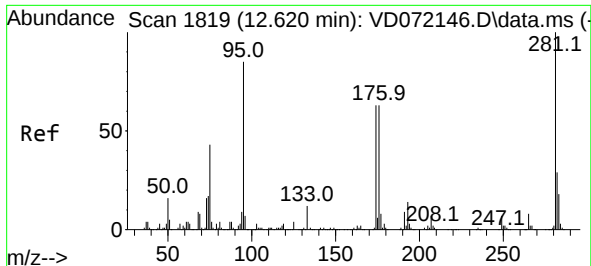
Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 1.081 ug/l
RT: 11.084 min Scan# 1558
Delta R.T. 0.106 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

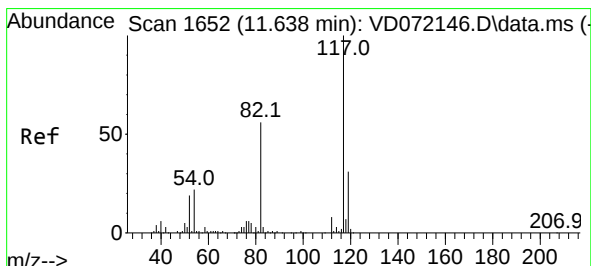
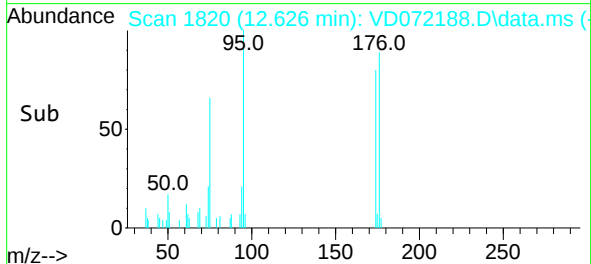
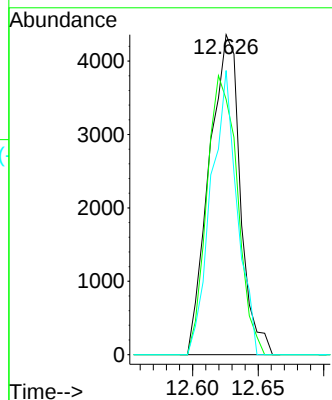
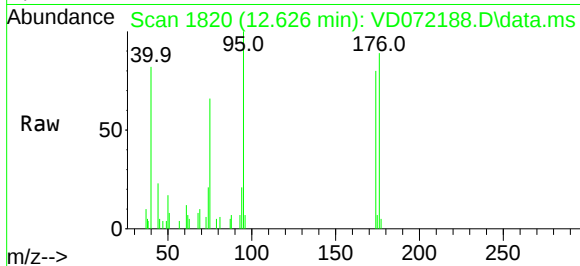




#62
4-Bromofluorobenzene
Concen: 42.187 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

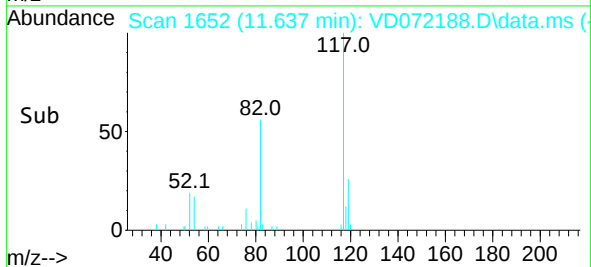
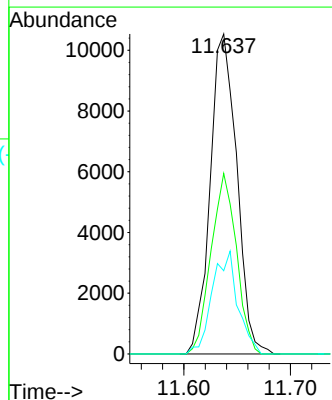
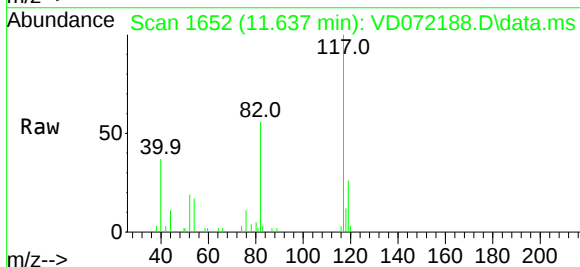
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

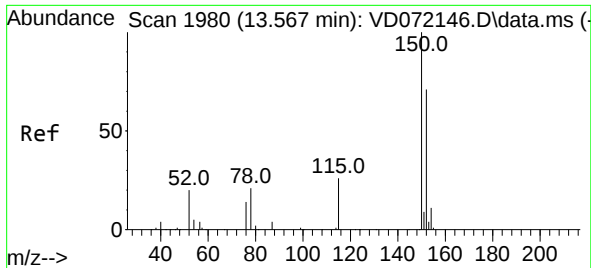
Tgt Ion:	95	Resp:	7175
Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	152.8
176	74.6	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion:	117	Resp:	18282
Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.3	67.9
119	26.0	26.6	40.0

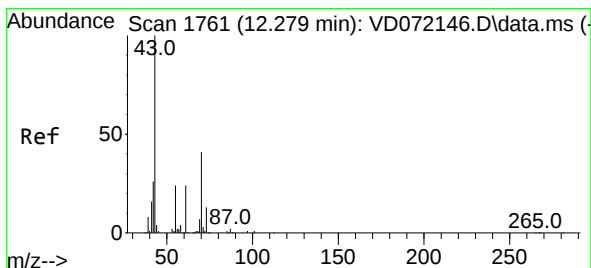
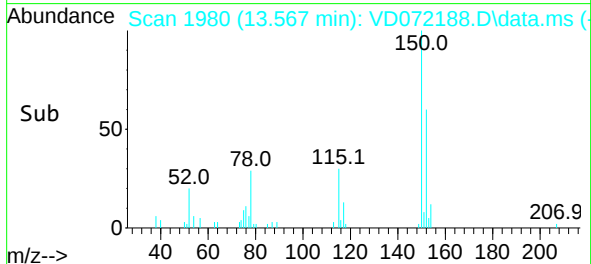
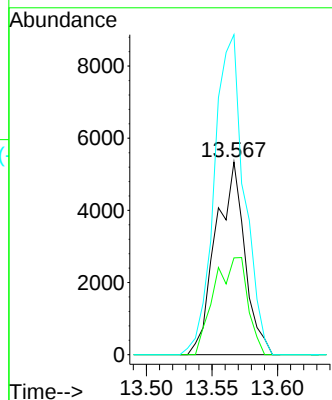
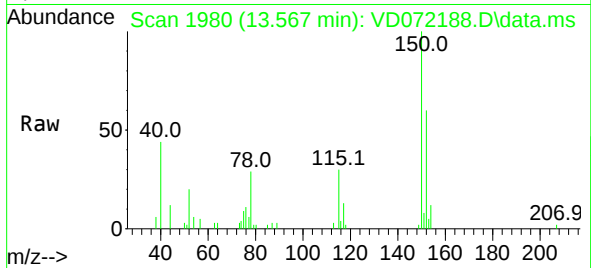




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

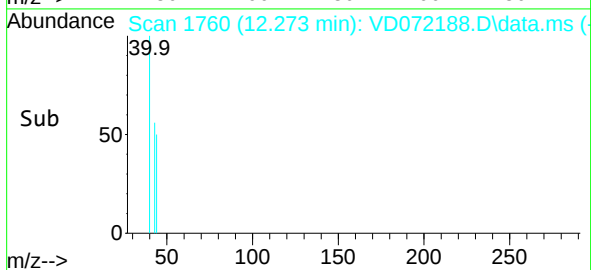
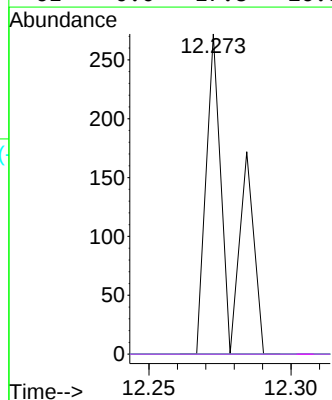
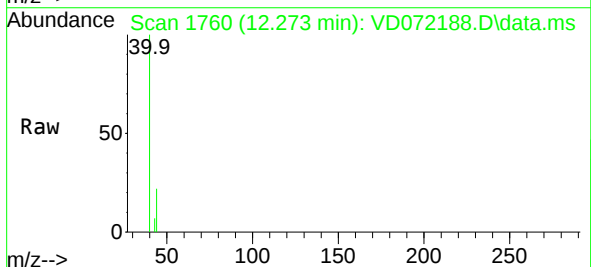
Instrument :
MSVOA_D
ClientSampleId :
DUM-37

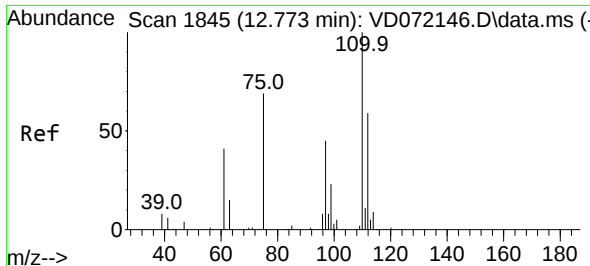
Tgt Ion:152 Resp: 8219
Ion Ratio Lower Upper
152 100
115 58.2 31.3 93.8
150 171.9 0.0 348.6



#74
N-ethyl acetate
Concen: 1.122 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.006 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 43 Resp: 157
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#

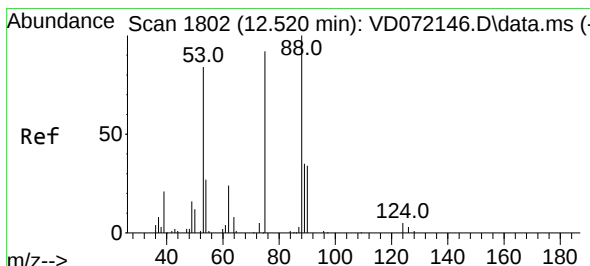
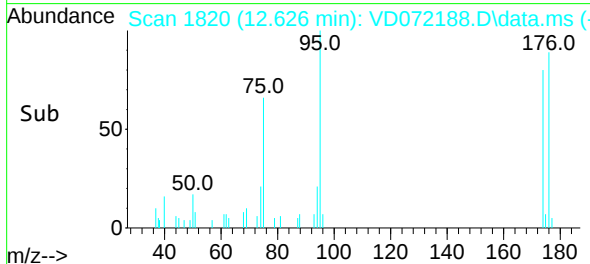
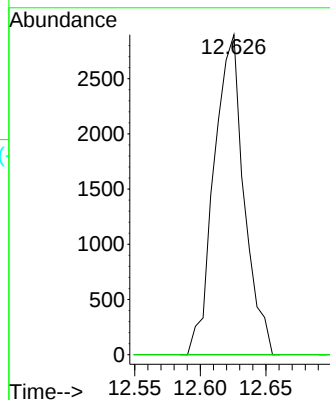
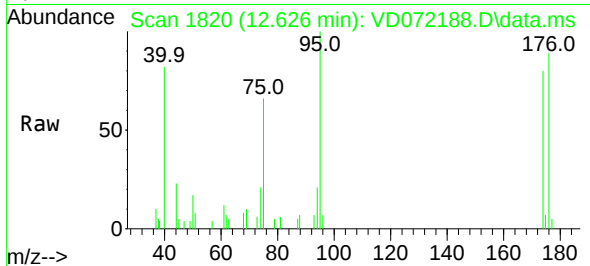




#76
1,2,3-Trichloropropane
Concen: 50.925 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Instrument :
MSVOA_D
ClientSampleId :
DUM-37

Tgt Ion: 75 Resp: 4617
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 126.350 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072188.D
Acq: 15 Mar 2022 14:53

Tgt Ion: 75 Resp: 4617
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

