

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072623.D
 Acq On : 19 Apr 2022 14:25
 Operator : VA/SY
 Sample : N2444-12
 Misc : 4.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-12

Quant Time: Apr 20 05:02:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

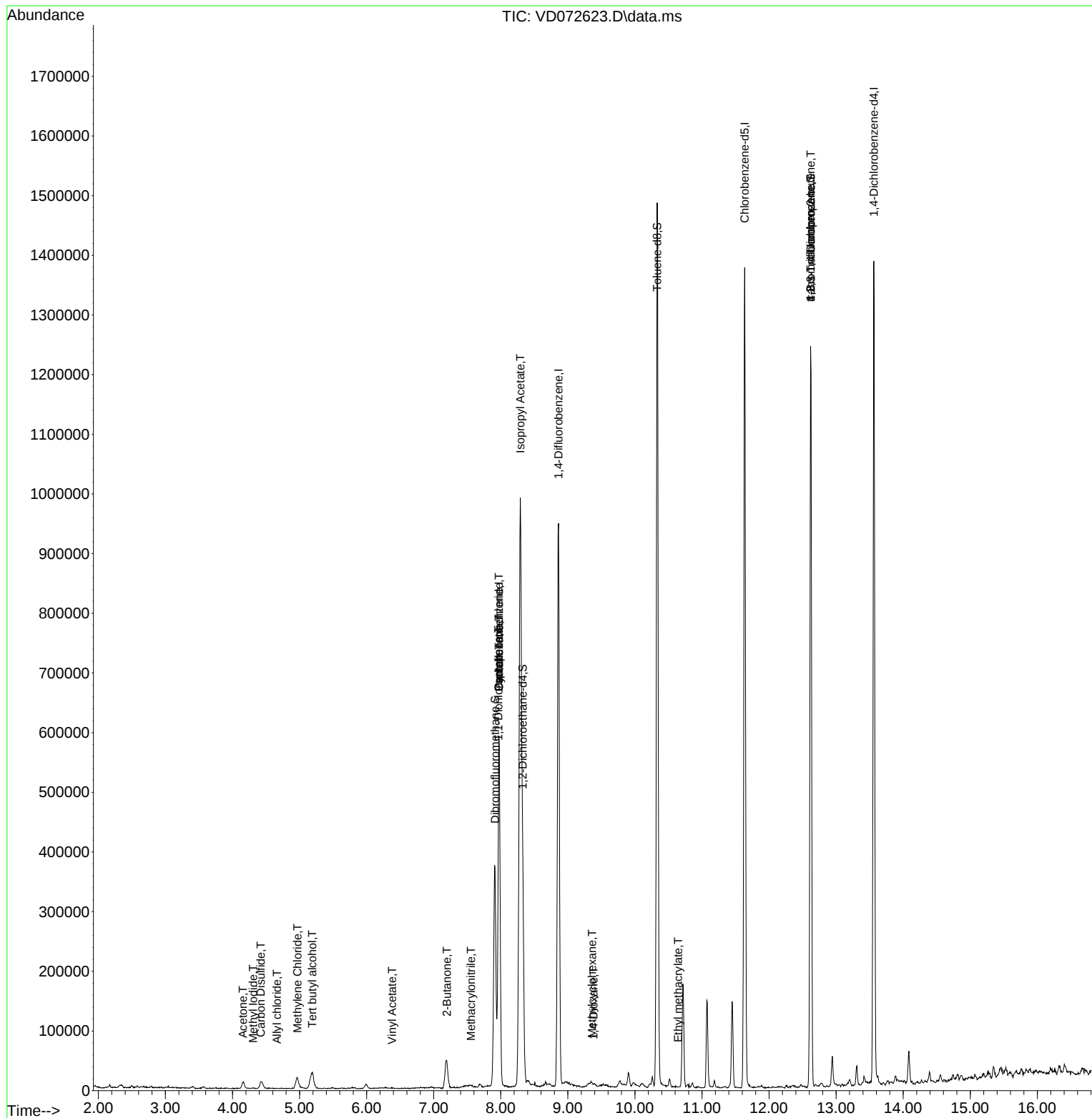
Internal Standards						
1) Pentafluorobenzene	7.973	168	424676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	841665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	804998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	364601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	258659	50.349	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.700%	
35) Dibromofluoromethane	7.914	113	271447	41.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.000%	
50) Toluene-d8	10.332	98	1015778	44.676	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.360%	
62) 4-Bromofluorobenzene	12.620	95	354688	39.944	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	1068	3.948	ug/l #	72
11) Tert butyl alcohol	5.191	59	27970	103.098	ug/l #	75
14) Allyl chloride	4.661	41	215	1.158	ug/l #	22
16) Acetone	4.156	43	19965	20.842	ug/l	100
17) Carbon Disulfide	4.420	76	4349	4.114	ug/l #	74
20) Methylene Chloride	4.967	84	13277	2.328	ug/l #	74
23) Vinyl Acetate	6.379	43	182	6.310	ug/l #	75
25) 2-Butanone	7.197	43	2905	2.193	ug/l	96
31) Cyclohexane	7.973	56	9068	1.350	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	35113	5.230	ug/l #	52
38) Carbon Tetrachloride	7.973	117	44887	4.981	ug/l #	17
39) Methylcyclohexane	9.361	83	504	2.925	ug/l #	71
41) Methacrylonitrile	7.555	41	148	1.729	ug/l #	53
43) Isopropyl Acetate	8.291	43	21973	3.305	ug/l #	31
49) 1,4-Dioxane	9.385	88	70	1.765	ug/l #	1
56) Ethyl methacrylate	10.643	69	640	1.291	ug/l #	51
76) 1,2,3-Trichloropropane	12.620	75	179997	45.264	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	179997	111.070	ug/l #	7

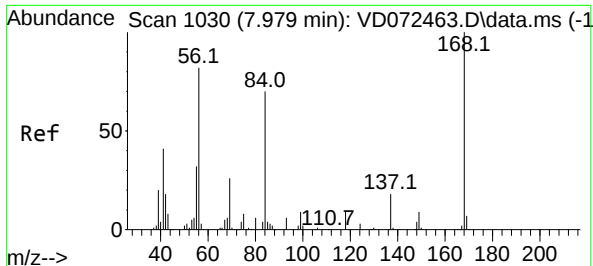
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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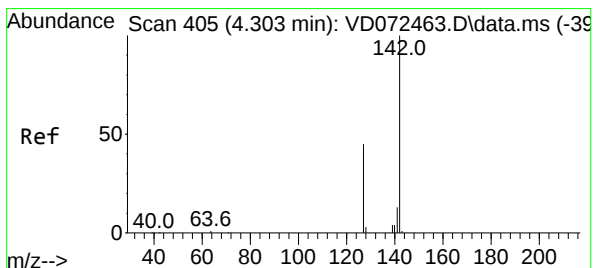
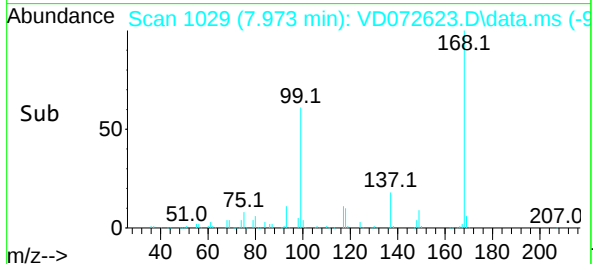
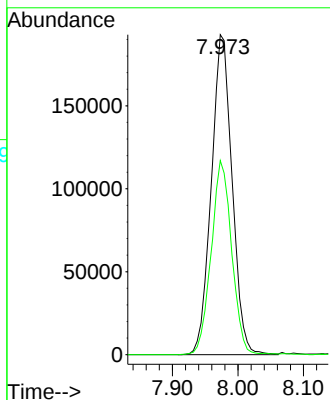
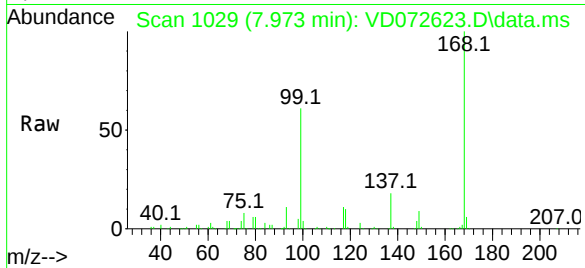




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

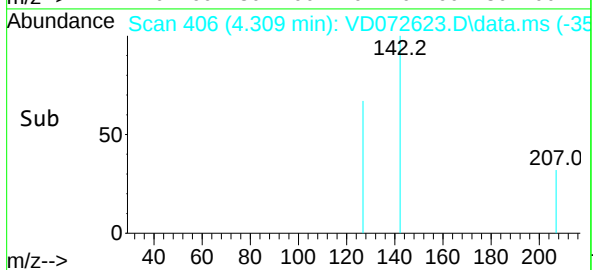
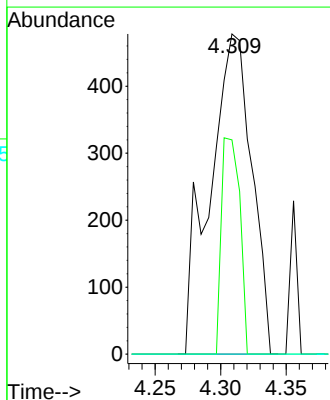
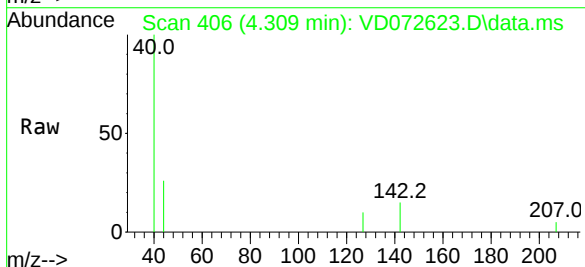
Instrument :
MSVOA_D
ClientSampleId :
SB-12

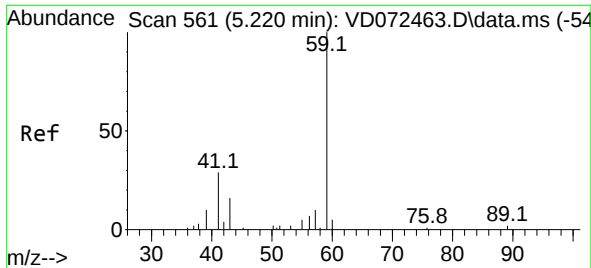
Tgt Ion:168 Resp: 424676
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#10
Methyl Iodide
Concen: 3.948 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion:142 Resp: 1068
Ion Ratio Lower Upper
142 100
127 29.3 37.3 55.9#
141 0.0 11.7 17.5#

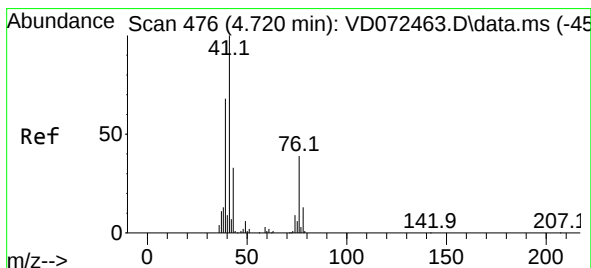
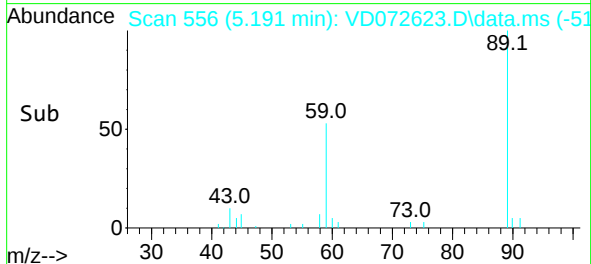
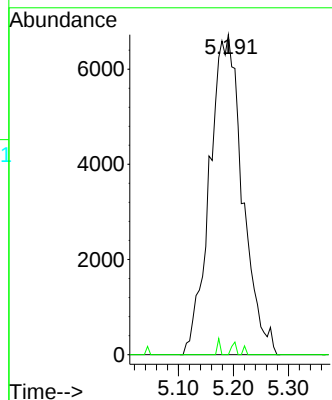
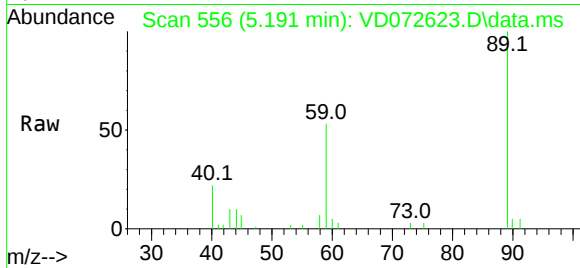




#11
Tert butyl alcohol
Concen: 103.098 ug/l
RT: 5.191 min Scan# 51
Delta R.T. -0.029 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

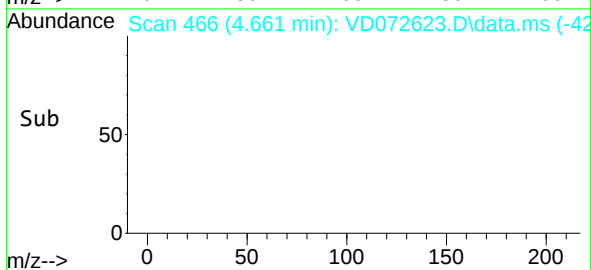
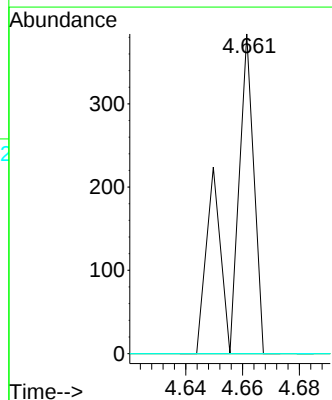
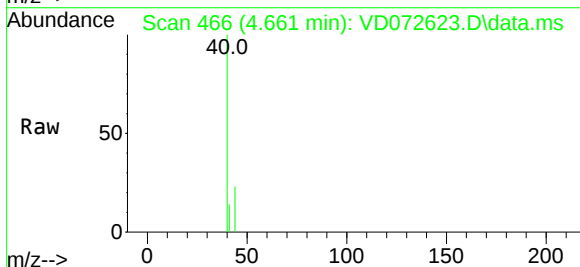
Instrument :
MSVOA_D
ClientSampleId :
SB-12

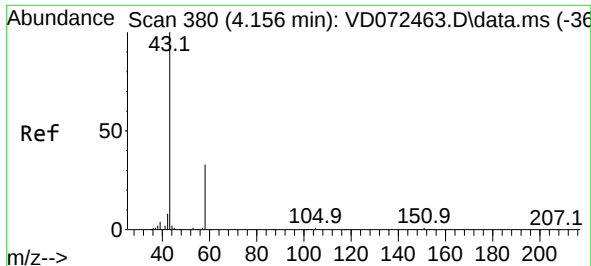
Tgt Ion: 59 Resp: 27970
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#14
Allyl chloride
Concen: 1.158 ug/l
RT: 4.661 min Scan# 466
Delta R.T. -0.059 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 41 Resp: 215
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

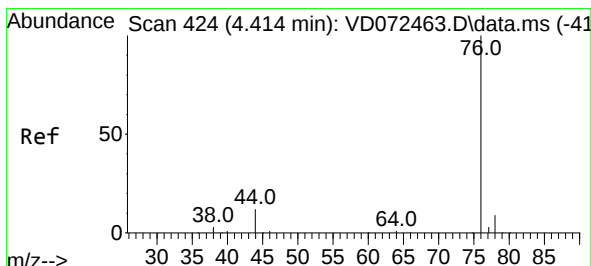
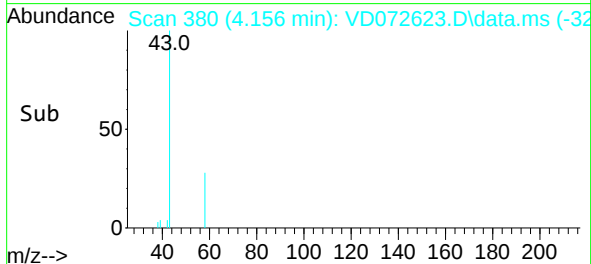
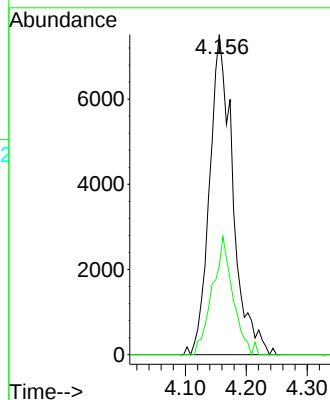
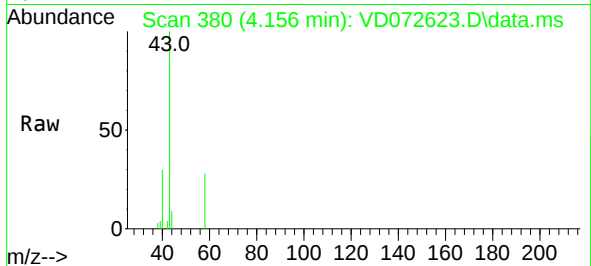




#16
Acetone
Concen: 20.842 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

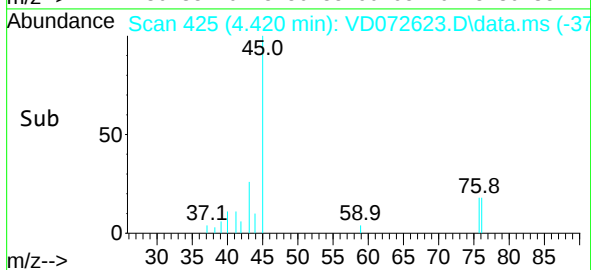
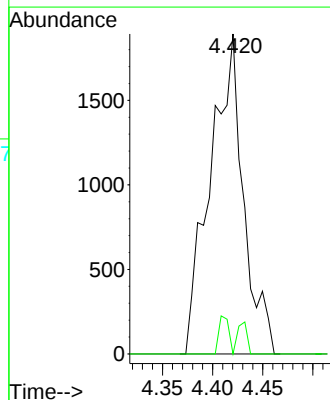
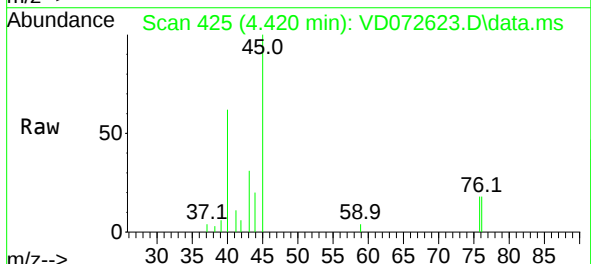
Instrument :
MSVOA_D
ClientSampleId :
SB-12

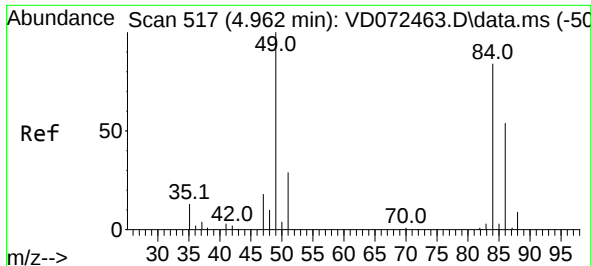
Tgt Ion: 43 Resp: 19965
Ion Ratio Lower Upper
43 100
58 27.6 22.1 33.1



#17
Carbon Disulfide
Concen: 4.114 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 76 Resp: 4349
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

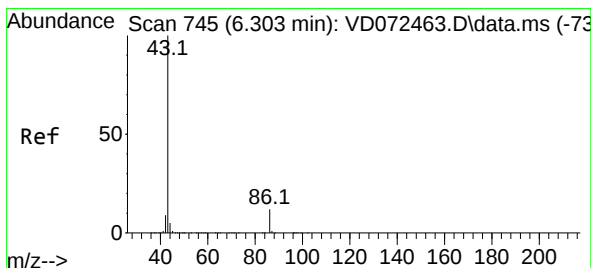
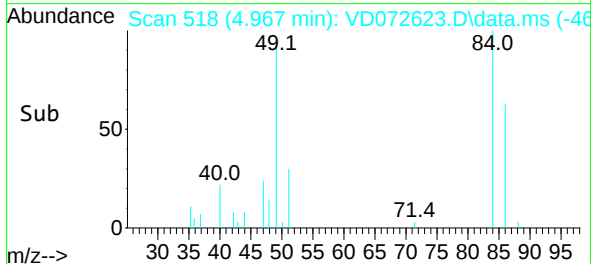
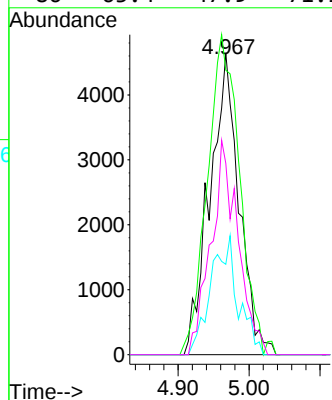
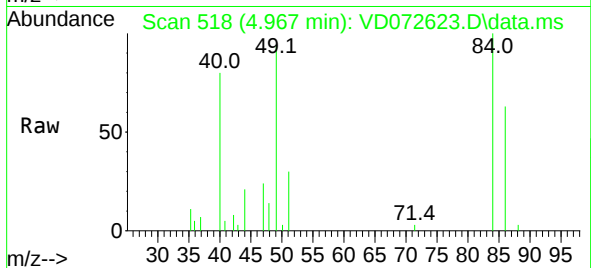




#20
Methylene Chloride
Concen: 2.328 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

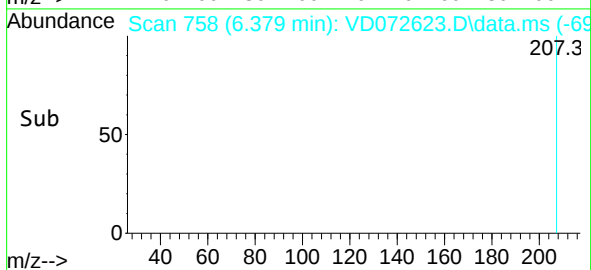
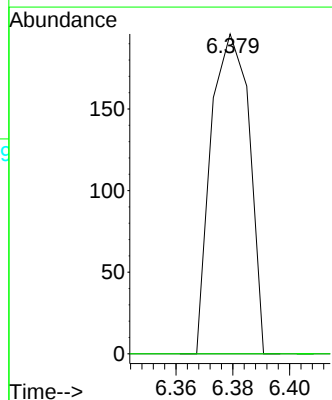
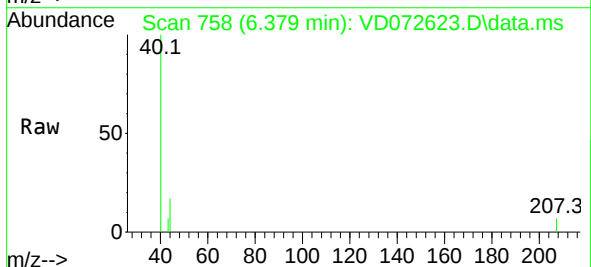
Instrument :
MSVOA_D
ClientSampleId :
SB-12

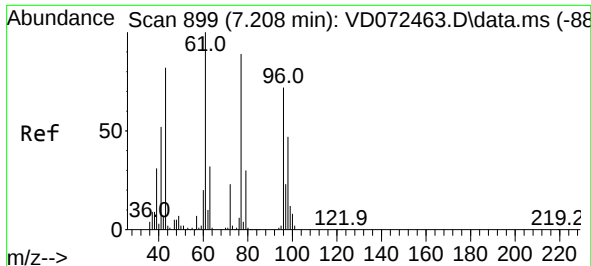
Tgt Ion: 84	Resp: 13277
Ion Ratio	Lower Upper
84 100	
49 94.3	112.8 169.2#
51 30.0	32.6 48.8#
86 63.4	47.9 71.9



#23
Vinyl Acetate
Concen: 6.310 ug/l
RT: 6.379 min Scan# 758
Delta R.T. 0.076 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 43	Resp: 182		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

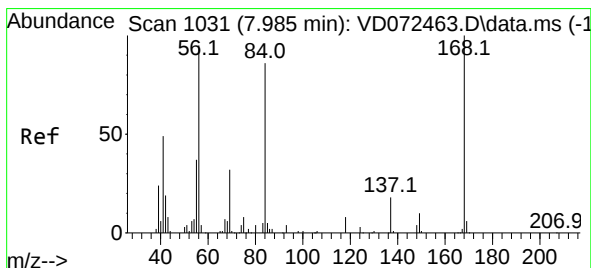
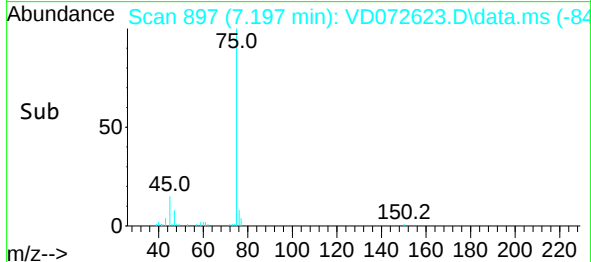
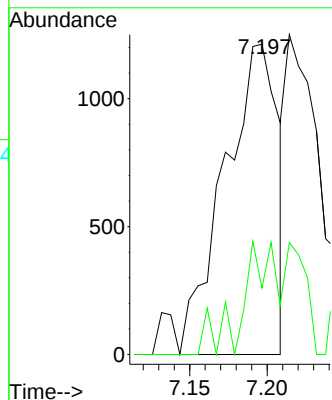
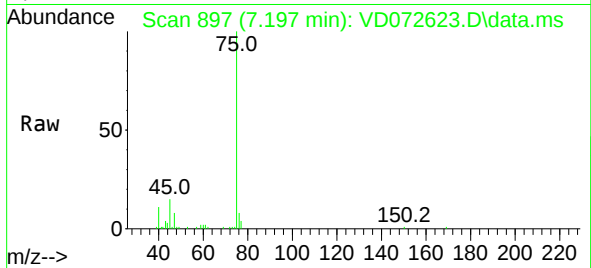




#25
2-Butanone
Concen: 2.193 ug/l
RT: 7.197 min Scan# 89
Delta R.T. -0.012 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

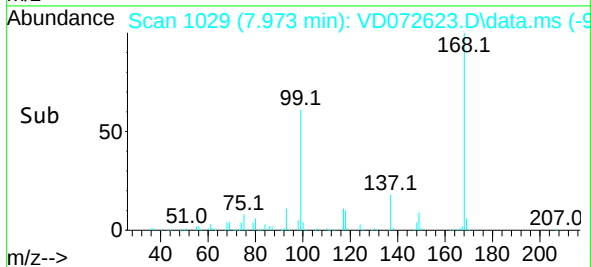
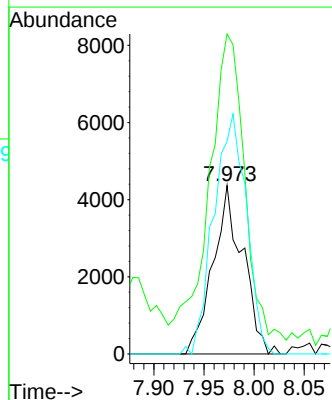
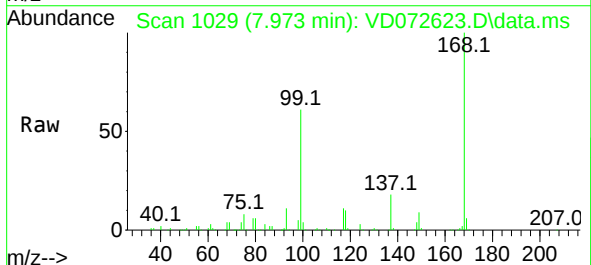
Instrument :
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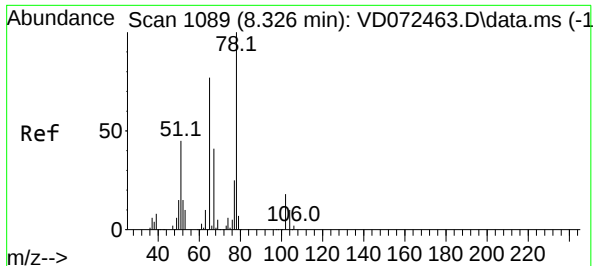
Tgt Ion: 43 Resp: 2905
Ion Ratio Lower Upper
43 100
72 21.4 18.6 27.8



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 56 Resp: 9068
Ion Ratio Lower Upper
56 100
69 177.5 25.4 38.2#
84 126.4 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.349 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072623.D

Acq: 19 Apr 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

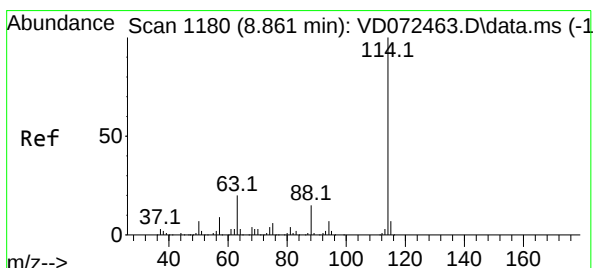
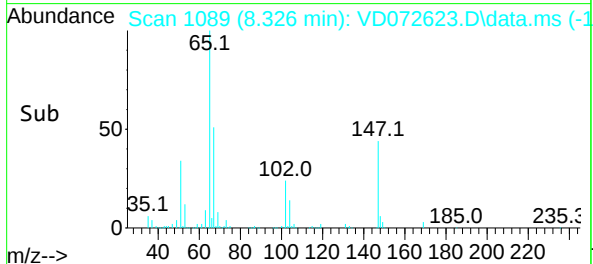
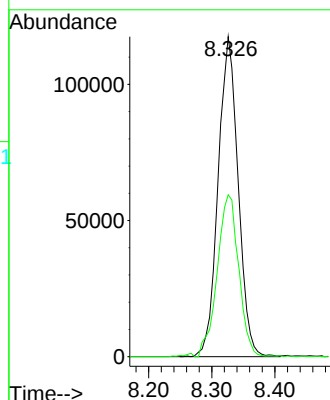
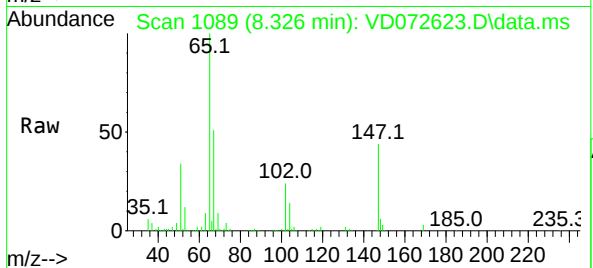
SB-12

Tgt Ion: 65 Resp: 258659

Ion Ratio Lower Upper

65 100

67 54.3 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: VD072623.D

Acq: 19 Apr 2022 14:25

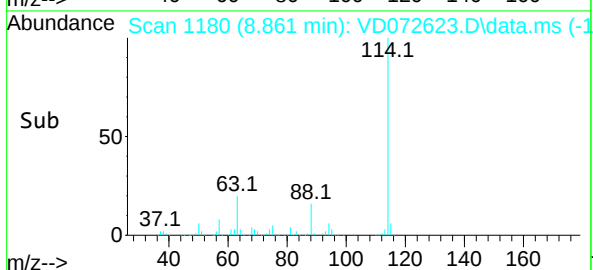
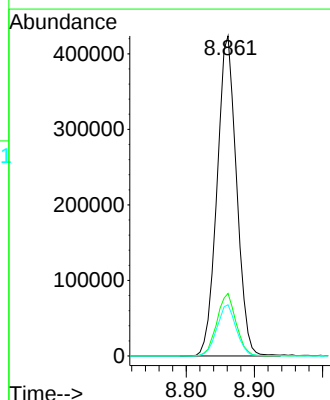
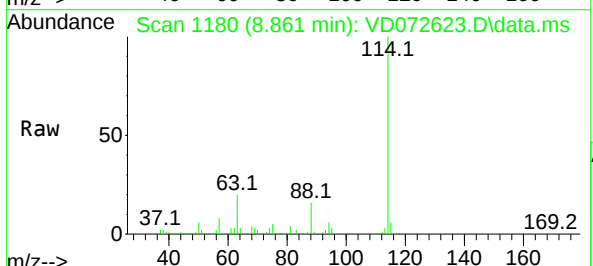
Tgt Ion: 114 Resp: 841665

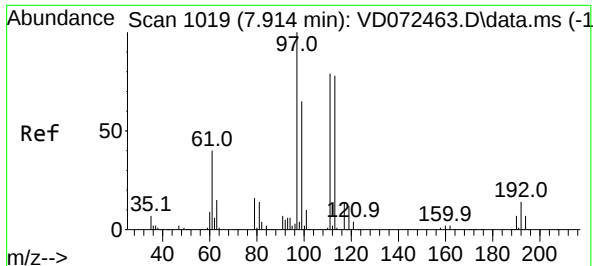
Ion Ratio Lower Upper

114 100

63 19.5 0.0 46.6

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.500 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD072623.D

Acq: 19 Apr 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

SB-12

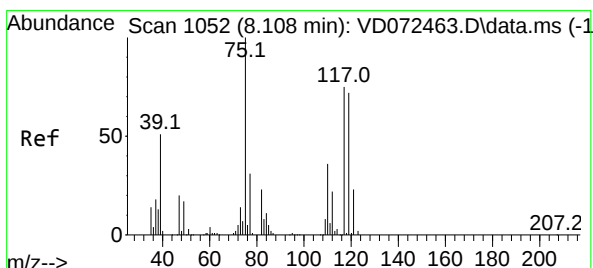
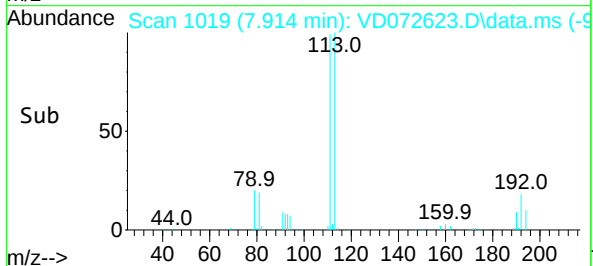
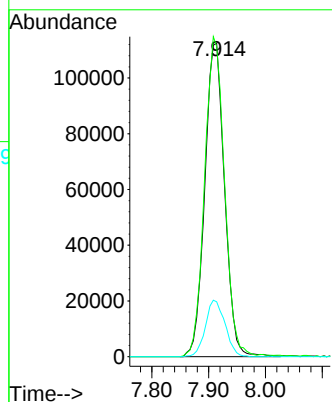
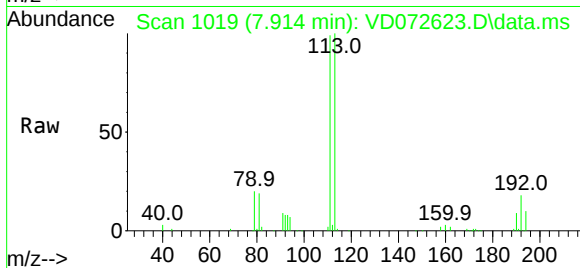
Tgt Ion:113 Resp: 271447

Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 17.9 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072623.D

Acq: 19 Apr 2022 14:25

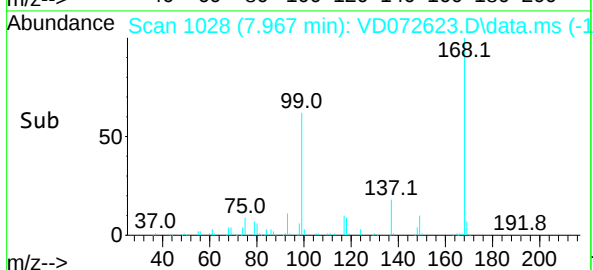
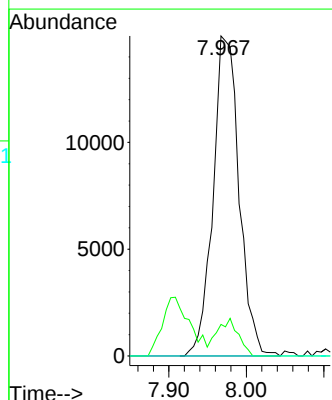
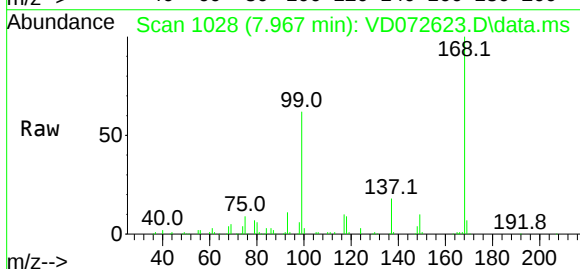
Tgt Ion: 75 Resp: 35113

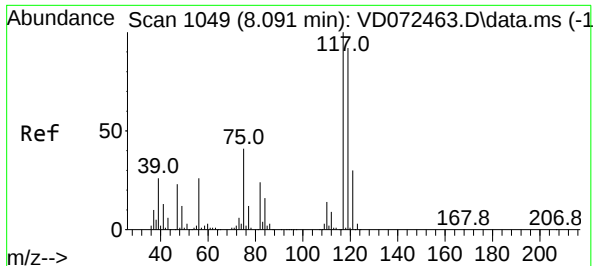
Ion Ratio Lower Upper

75 100

110 9.6 16.4 49.1#

77 0.0 24.2 36.2#

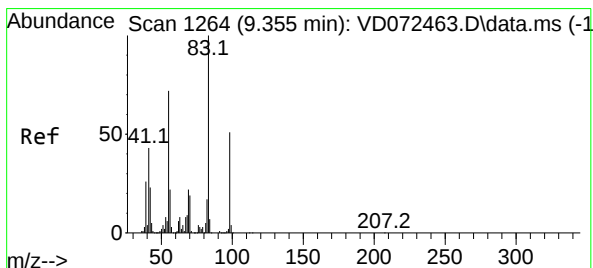
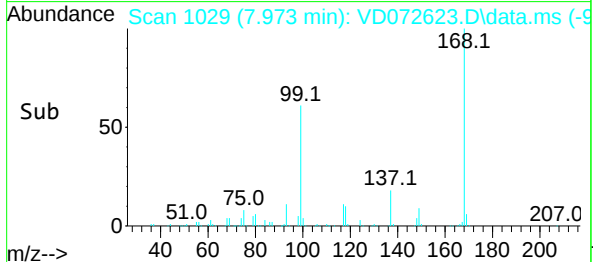
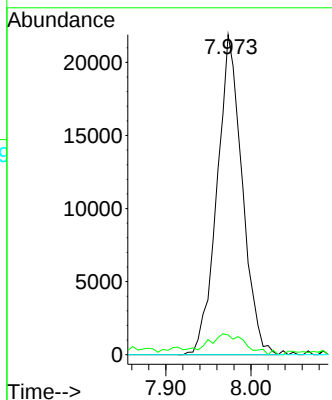
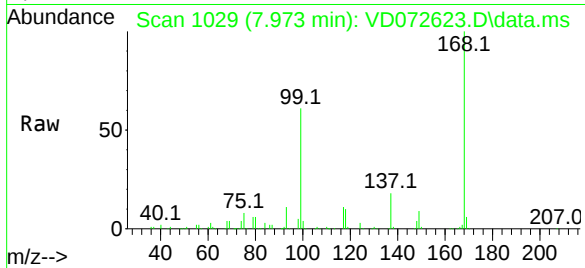




#38
Carbon Tetrachloride
Concen: 4.981 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

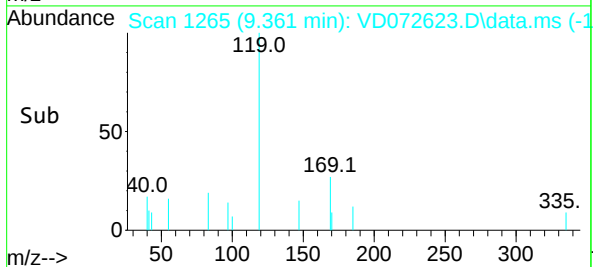
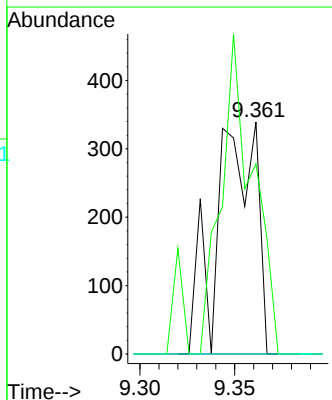
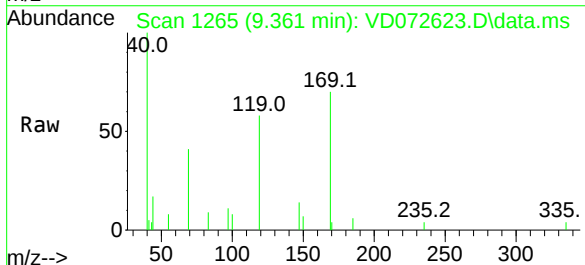
Instrument :
MSVOA_D
ClientSampleId :
SB-12

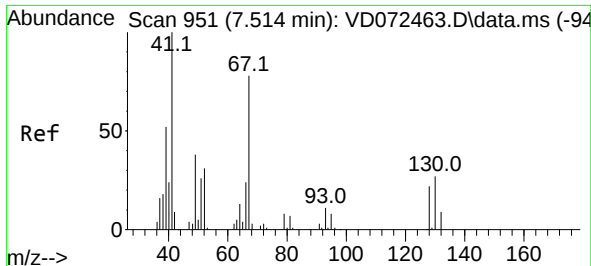
Tgt Ion: 117 Resp: 44887
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.925 ug/l
RT: 9.361 min Scan# 1265
Delta R.T. 0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 83 Resp: 504
Ion Ratio Lower Upper
83 100
55 82.0 63.2 94.8
98 0.0 38.2 57.4#

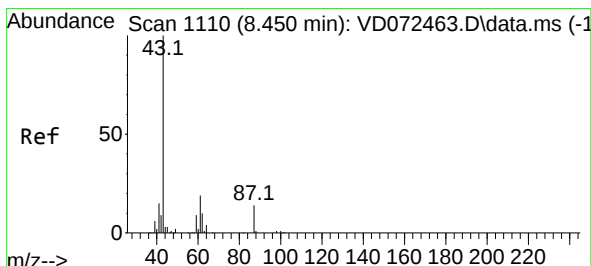
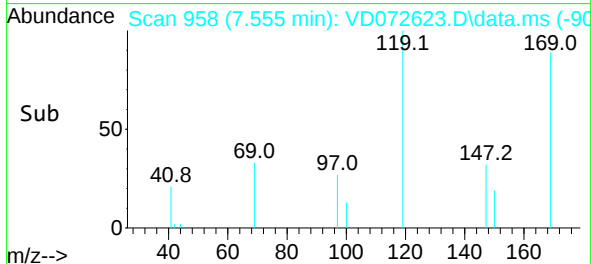
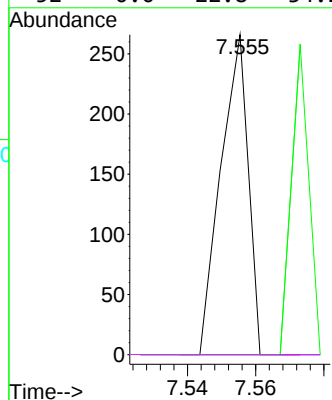
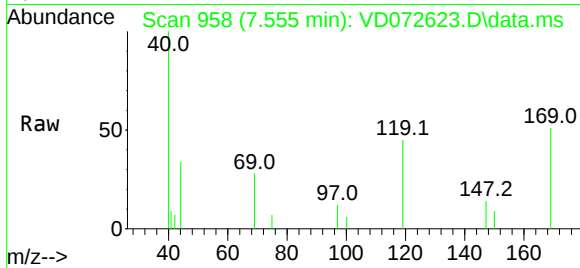




#41
Methacrylonitrile
Concen: 1.729 ug/l
RT: 7.555 min Scan# 91
Delta R.T. 0.041 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

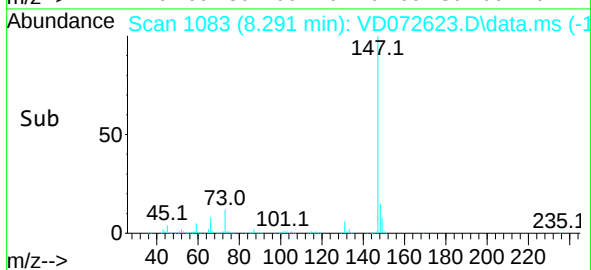
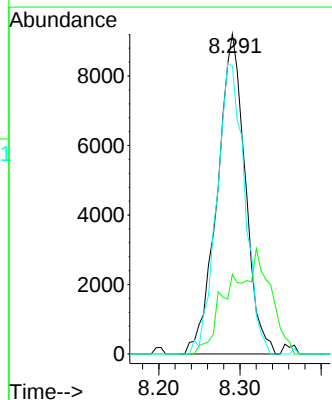
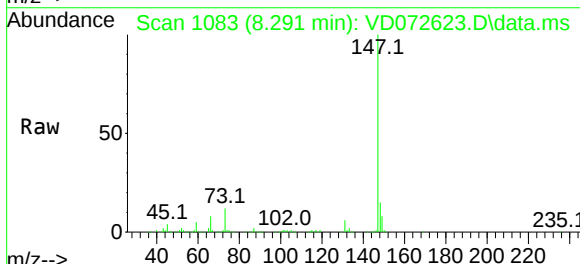
Instrument :
MSVOA_D
ClientSampleId :
SB-12

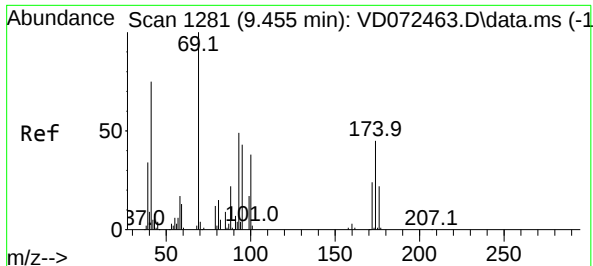
Tgt Ion: 41	Resp: 148
Ion Ratio	Lower Upper
41 100	
39 61.5	44.6 67.0
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 3.305 ug/l
RT: 8.291 min Scan# 1083
Delta R.T. -0.159 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 43	Resp:	21973	
Ion	Ratio	Lower	Upper
43	100		
61	20.6	22.4	33.6#
87	91.0	8.7	13.1#





#49

1,4-Dioxane

Concen: 1.765 ug/l

RT: 9.385 min Scan# 1

Delta R.T. -0.071 min

Lab File: VD072623.D

Acq: 19 Apr 2022 14:25

Instrument :

MSVOA_D

ClientSampleId :

SB-12

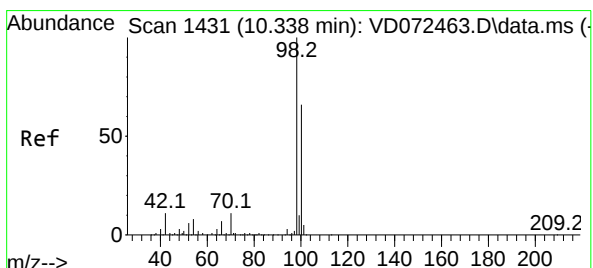
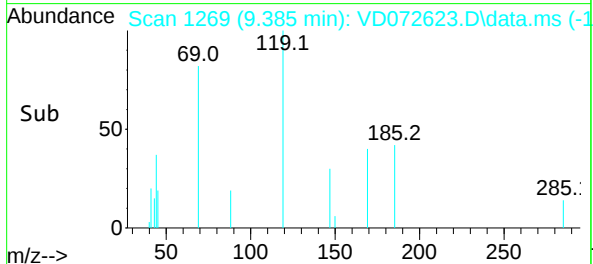
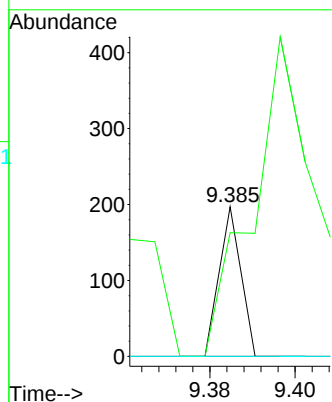
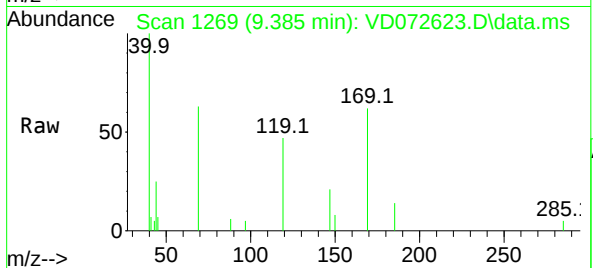
Tgt Ion: 88 Resp: 70

Ion Ratio Lower Upper

88 100

43 762.9 31.0 46.4#

58 0.0 58.1 87.1#



#50

Toluene-d8

Concen: 44.676 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072623.D

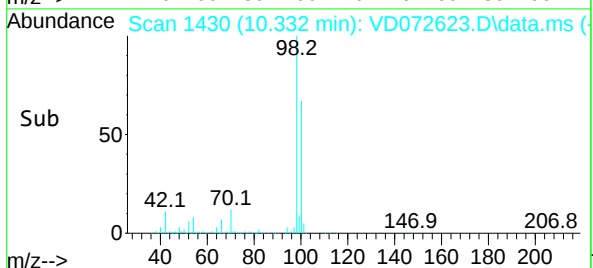
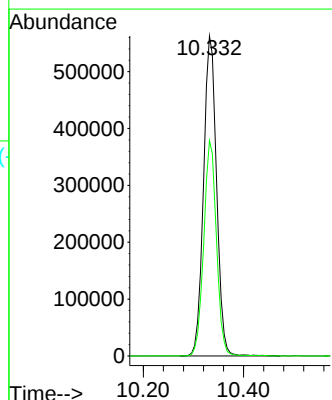
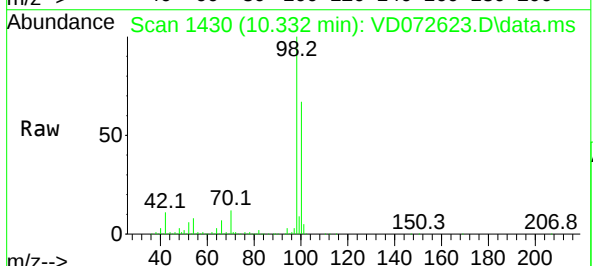
Acq: 19 Apr 2022 14:25

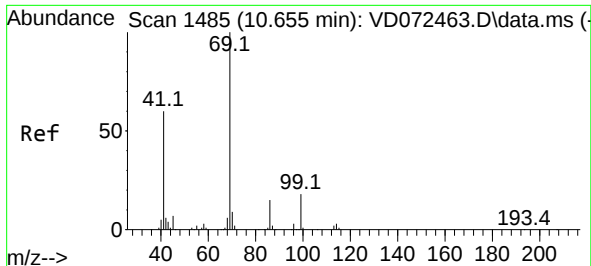
Tgt Ion: 98 Resp: 1015778

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6

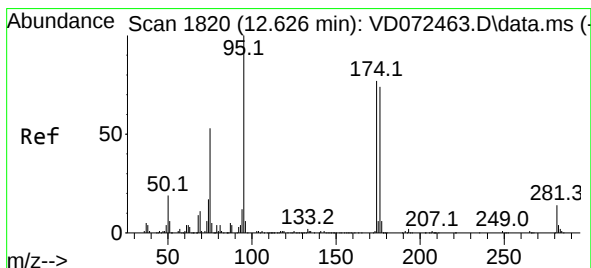
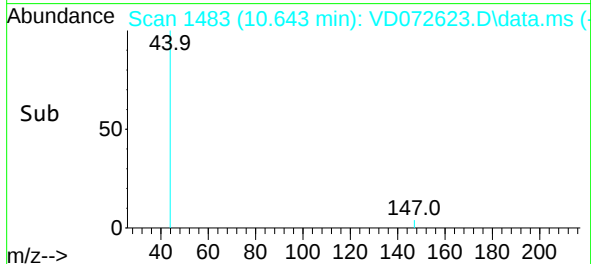
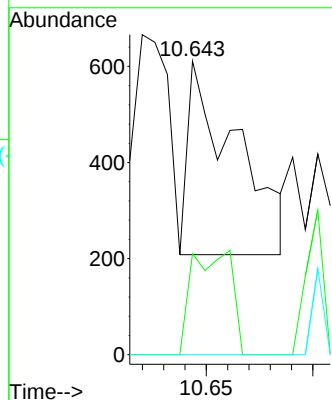
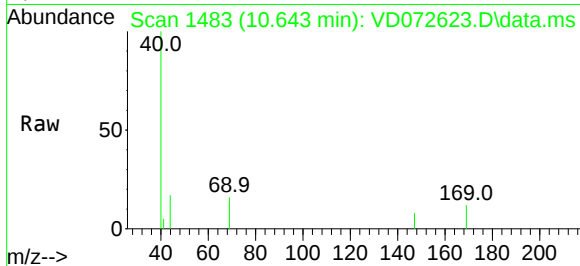




#56
Ethyl methacrylate
Concen: 1.291 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

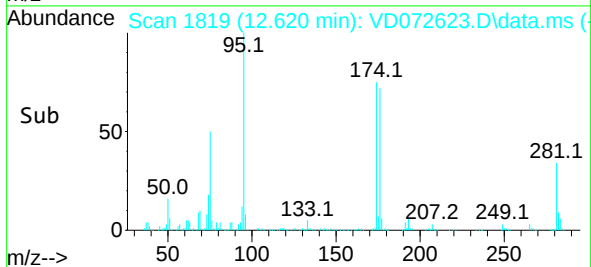
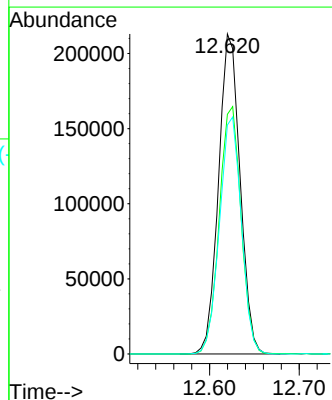
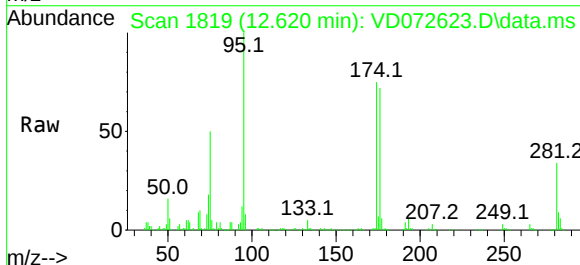
Instrument :
MSVOA_D
ClientSampleId :
SB-12

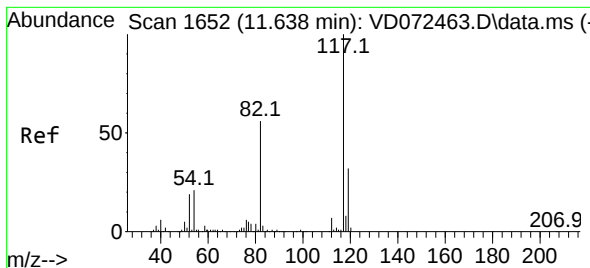
Tgt Ion: 69 Resp: 640
Ion Ratio Lower Upper
69 100
41 44.1 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 39.944 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 95 Resp: 354688
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.8
176 75.2 0.0 145.4

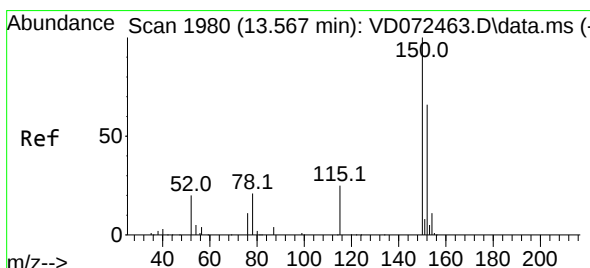
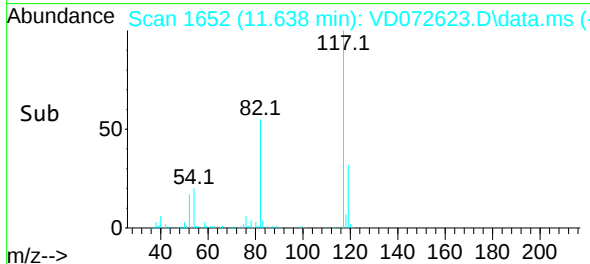
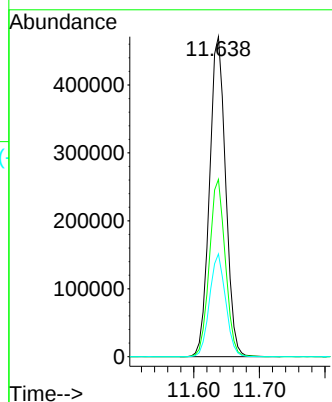
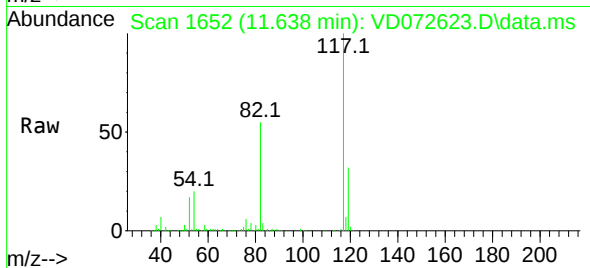




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

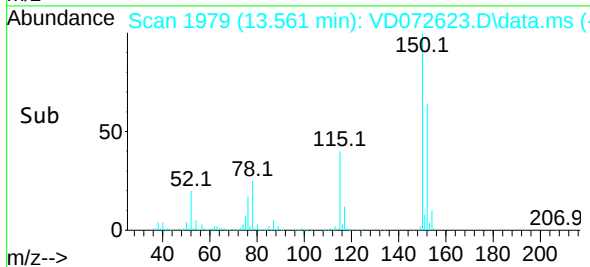
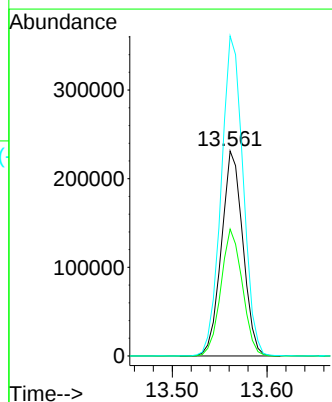
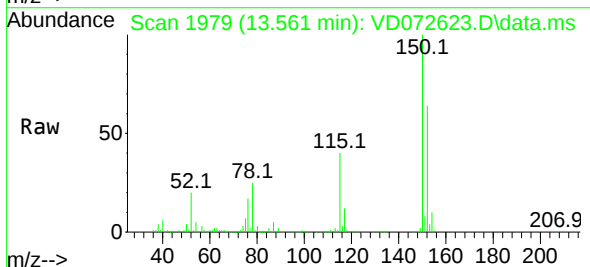
Instrument :
MSVOA_D
ClientSampleId :
SB-12

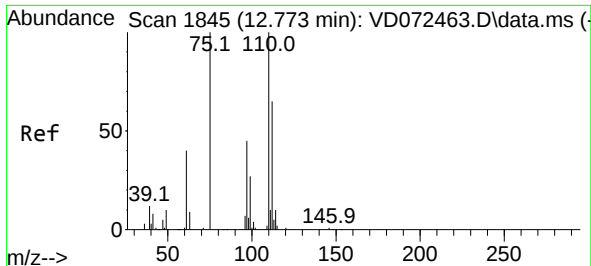
Tgt Ion:117 Resp: 804998
Ion Ratio Lower Upper
117 100
82 55.4 45.3 67.9
119 32.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion:152 Resp: 364601
Ion Ratio Lower Upper
152 100
115 61.7 31.3 93.8
150 159.4 0.0 348.6

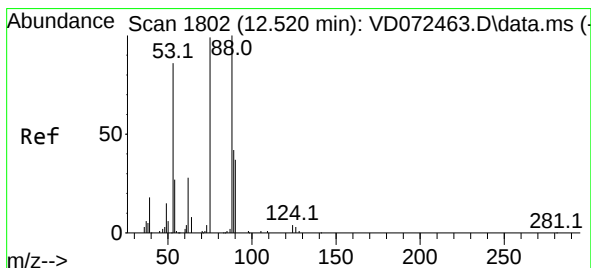
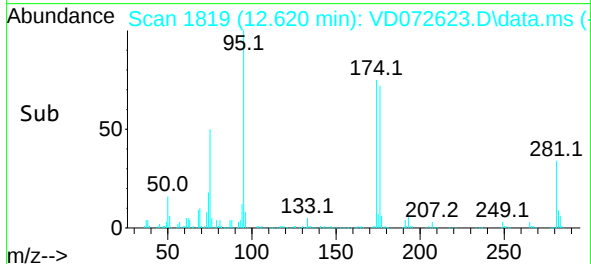
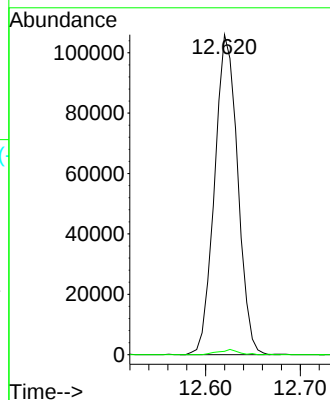
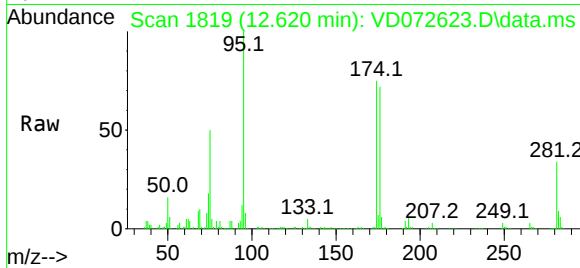




#76
1,2,3-Trichloropropane
Concen: 45.264 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Instrument :
MSVOA_D
ClientSampleId :
SB-12

Tgt Ion: 75 Resp: 179997
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.070 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072623.D
Acq: 19 Apr 2022 14:25

Tgt Ion: 75 Resp: 179997
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.7 33.9 50.9#

