

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072603.D
 Acq On : 18 Apr 2022 17:51
 Operator : VA/SY
 Sample : N2444-04
 Misc : 4.37G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4S

Quant Time: Apr 19 02:52:03 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)

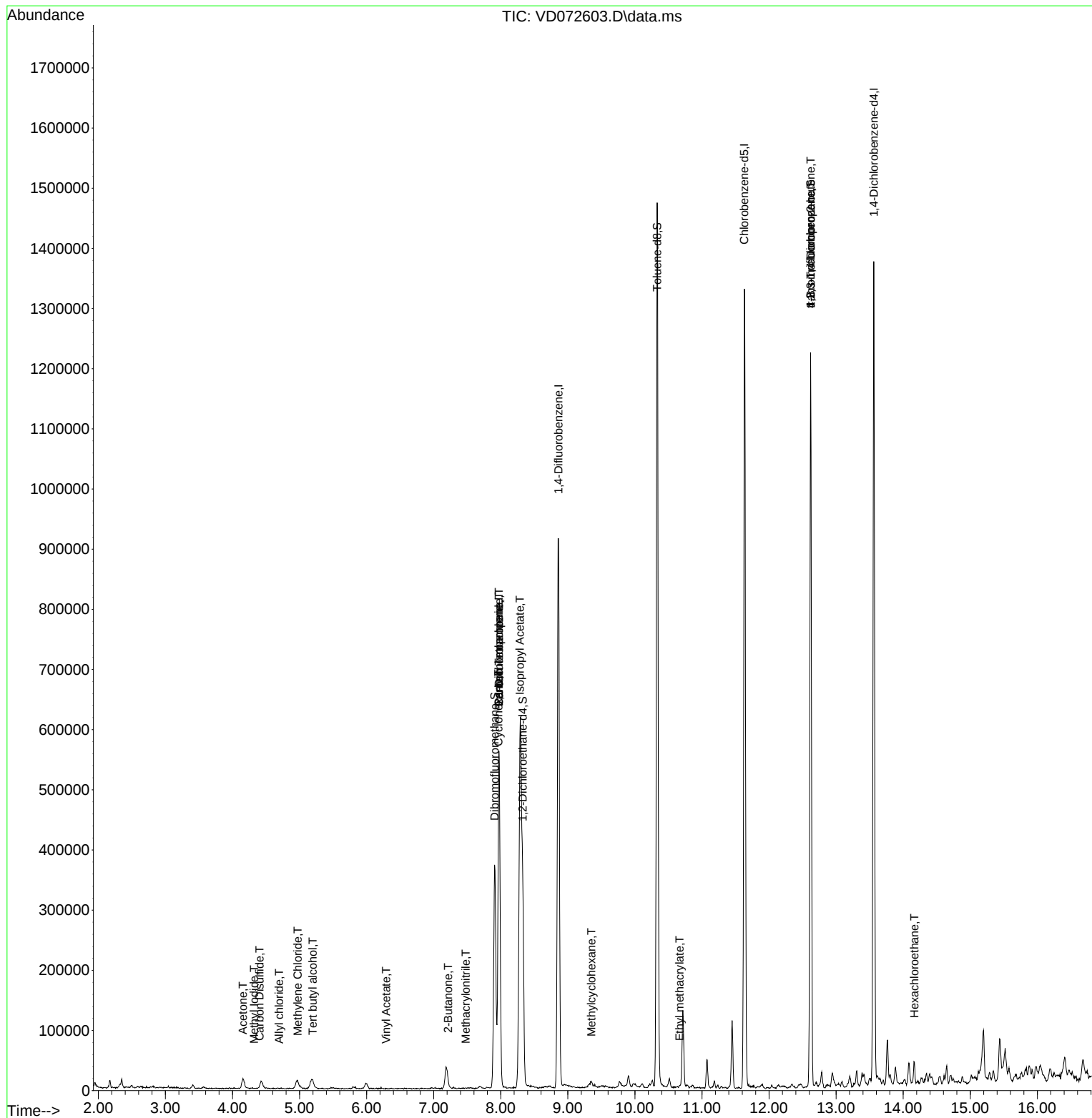
Internal Standards						
1) Pentafluorobenzene	7.973	168	408275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	829741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	790784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	362366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247045	50.020	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.908	113	268738	41.676	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.360%	
50) Toluene-d8	10.332	98	992330	44.272	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.540%	
62) 4-Bromofluorobenzene	12.620	95	358112	40.909	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.820%	
Target Compounds						Qvalue
10) Methyl Iodide	4.320	142	783	3.897	ug/l #	48
11) Tert butyl alcohol	5.197	59	15757	60.414	ug/l #	74
14) Allyl chloride	4.697	41	60	1.136	ug/l #	22
16) Acetone	4.156	43	29511	32.044	ug/l #	85
17) Carbon Disulfide	4.403	76	2981	3.974	ug/l	98
20) Methylene Chloride	4.973	84	11003	2.007	ug/l #	80
23) Vinyl Acetate	6.291	43	67	6.297	ug/l #	75
25) 2-Butanone	7.214	43	8154	6.402	ug/l	96
31) Cyclohexane	7.967	56	9244	1.431	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	32717	5.005	ug/l #	52
38) Carbon Tetrachloride	7.973	117	42493	4.783	ug/l #	18
39) Methylcyclohexane	9.350	83	2752	3.147	ug/l #	93
41) Methacrylonitrile	7.479	41	85	1.699	ug/l #	42
43) Isopropyl Acetate	8.285	43	14212	2.168	ug/l #	2
56) Ethyl methacrylate	10.667	69	1011	1.352	ug/l #	24
76) 1,2,3-Trichloropropane	12.620	75	177981	45.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	177981	110.504	ug/l #	7
90) Hexachloroethane	14.167	117	14947	2.733	ug/l #	17

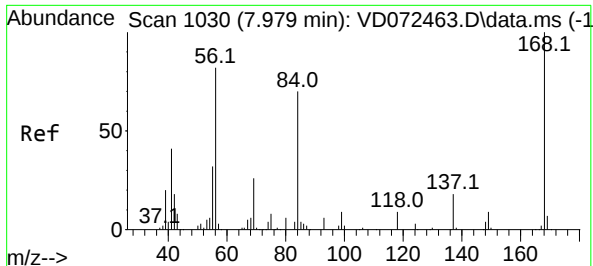
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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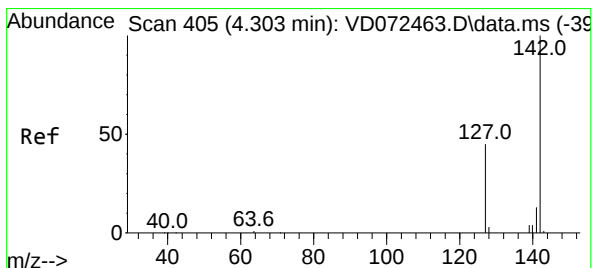
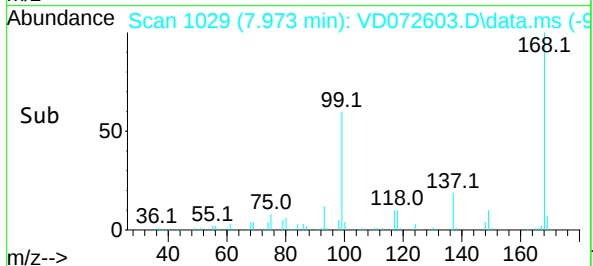
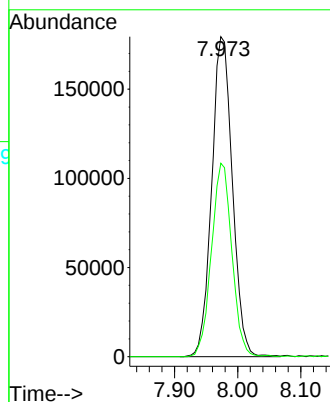
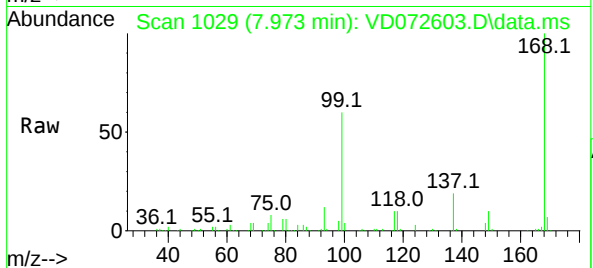




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

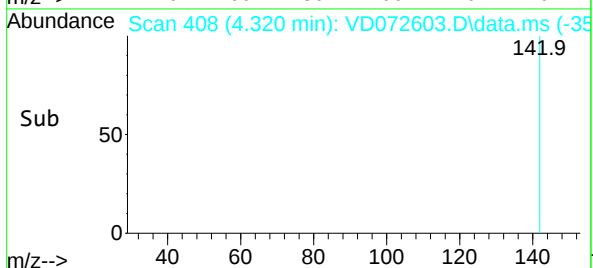
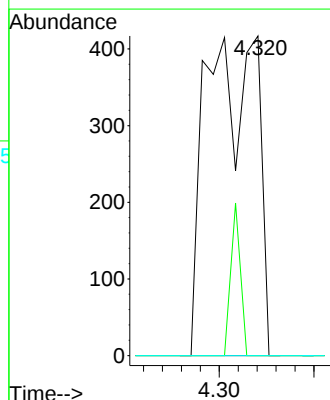
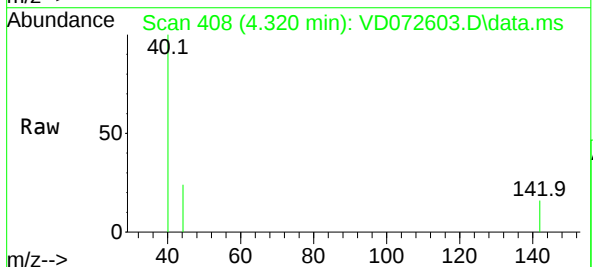
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

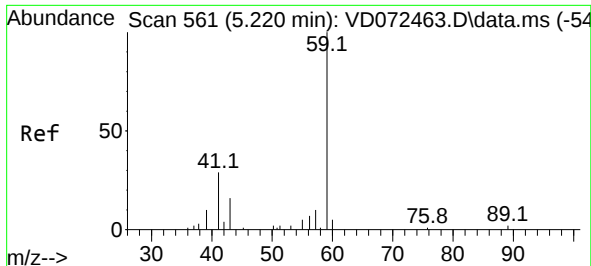
Tgt Ion:168 Resp: 408275
Ion Ratio Lower Upper
168 100
99 60.4 49.8 74.6



#10
Methyl Iodide
Concen: 3.897 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.017 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion:142 Resp: 783
Ion Ratio Lower Upper
142 100
127 8.9 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 60.414 ug/l

RT: 5.197 min Scan# 51

Delta R.T. -0.023 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

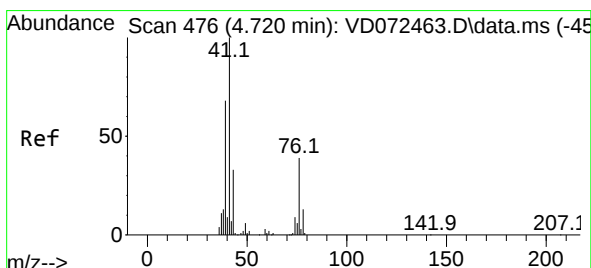
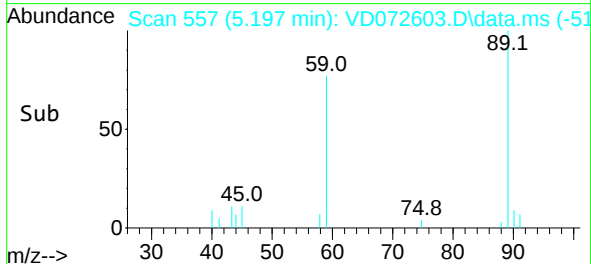
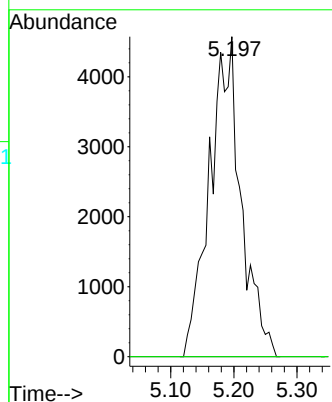
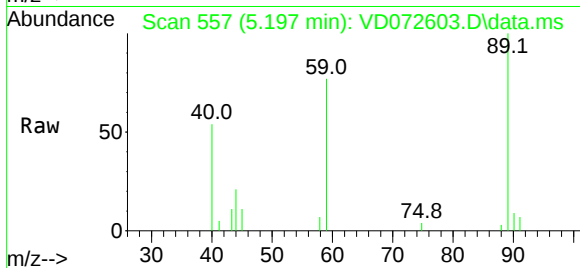
SB-4S

Tgt Ion: 59 Resp: 15757

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.136 ug/l

RT: 4.697 min Scan# 472

Delta R.T. -0.023 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

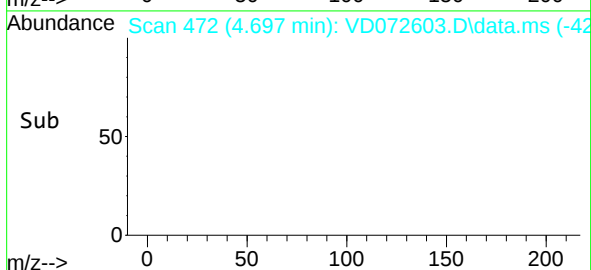
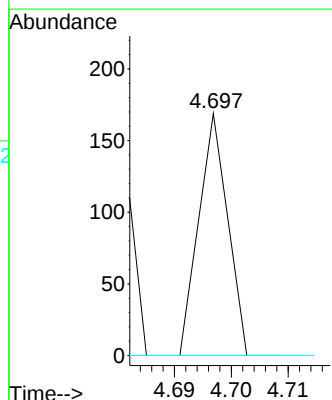
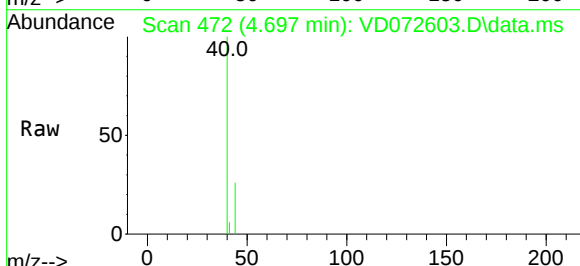
Tgt Ion: 41 Resp: 60

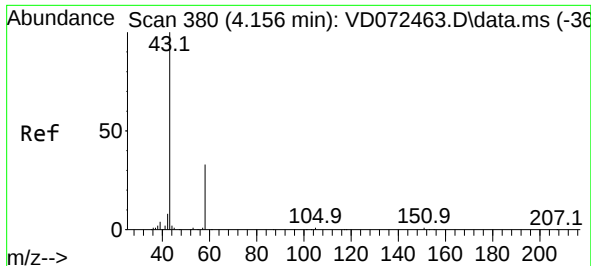
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

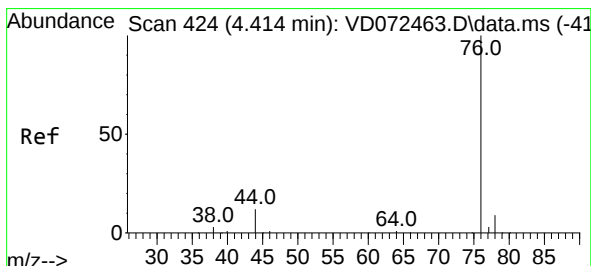
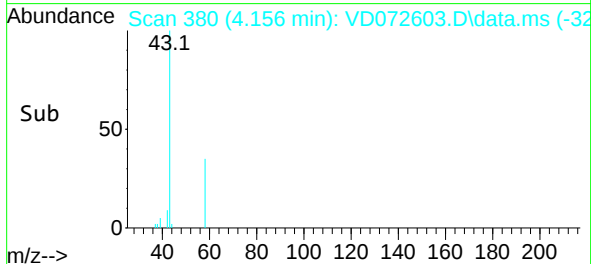
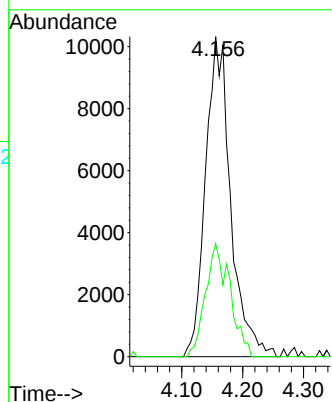
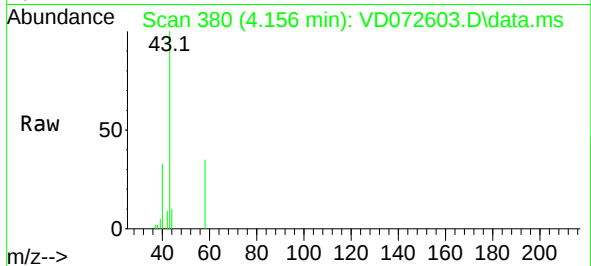




#16
Acetone
Concen: 32.044 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

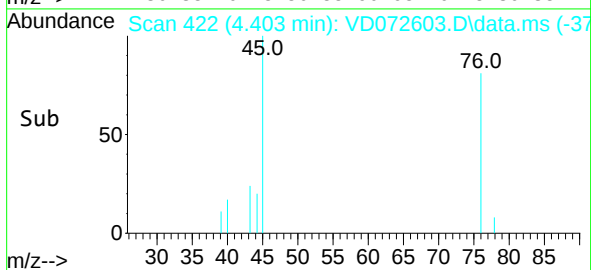
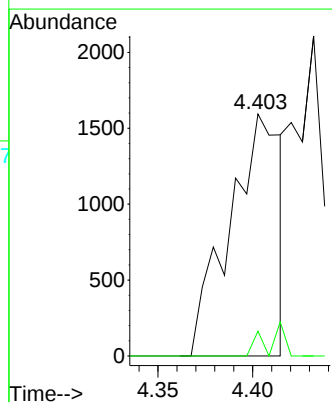
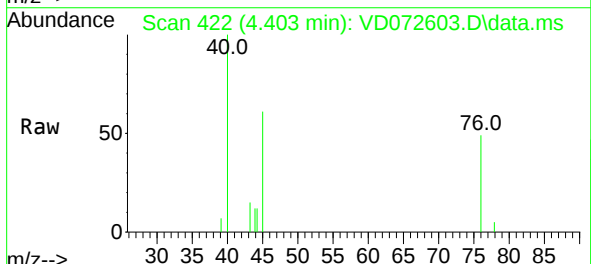
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

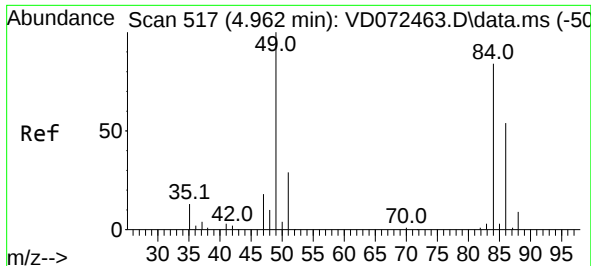
Tgt Ion: 43 Resp: 29511
Ion Ratio Lower Upper
43 100
58 35.3 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.974 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 76 Resp: 2981
Ion Ratio Lower Upper
76 100
78 10.3 7.5 11.3

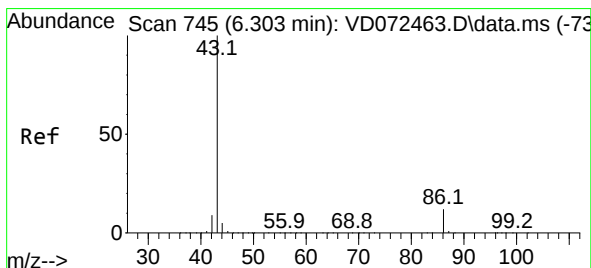
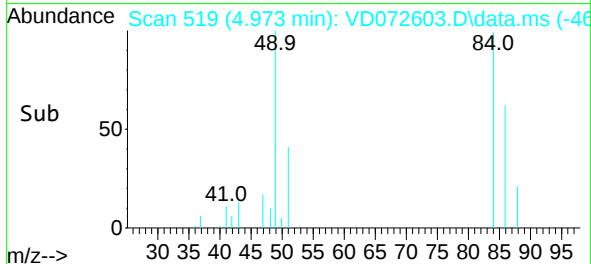
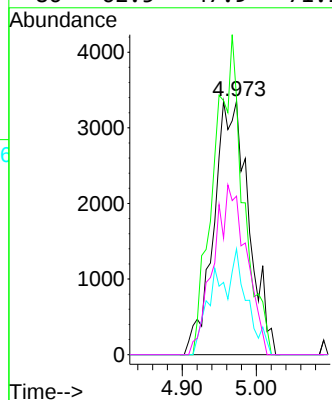
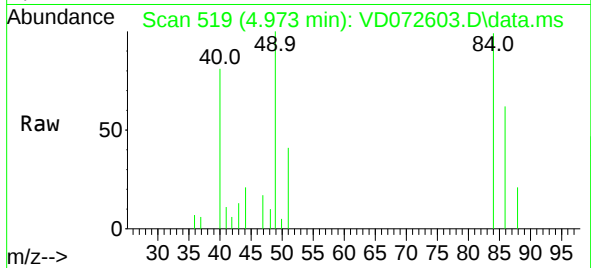




#20
Methylene Chloride
Concen: 2.007 ug/l
RT: 4.973 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

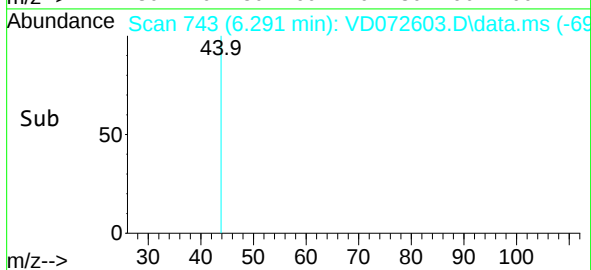
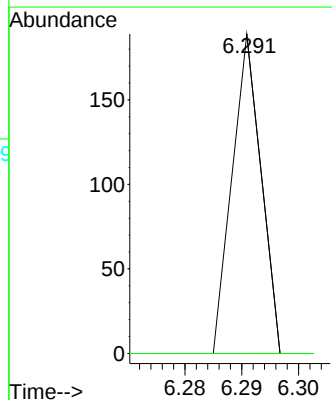
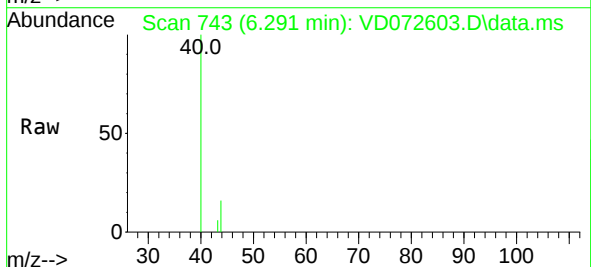
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

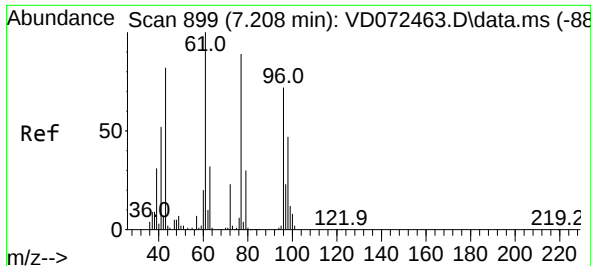
Tgt Ion: 84	Resp: 11003		
Ion	Ratio	Lower	Upper
84	100		
49	101.2	112.8	169.2#
51	41.7	32.6	48.8
86	62.5	47.9	71.9



#23
Vinyl Acetate
Concen: 6.297 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 43	Resp: 67		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

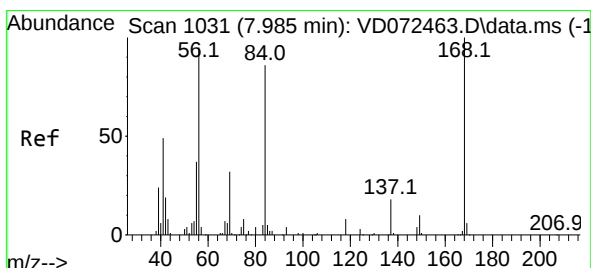
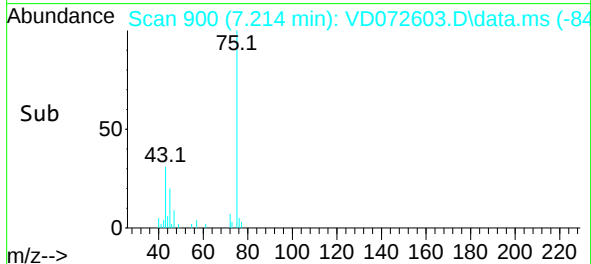
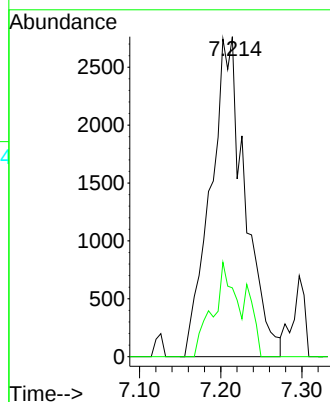
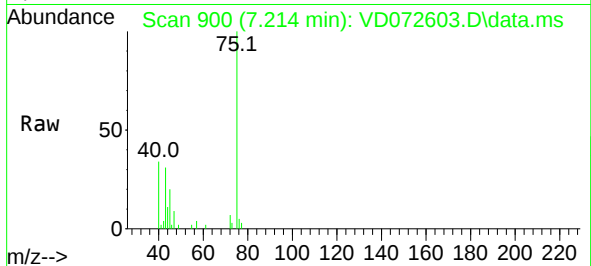




#25
2-Butanone
Concen: 6.402 ug/l
RT: 7.214 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

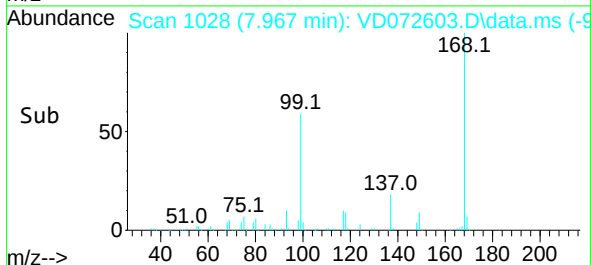
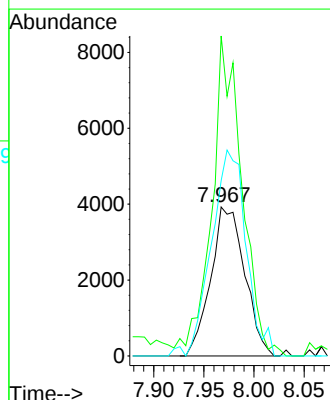
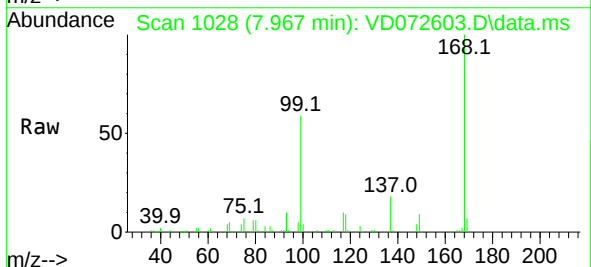
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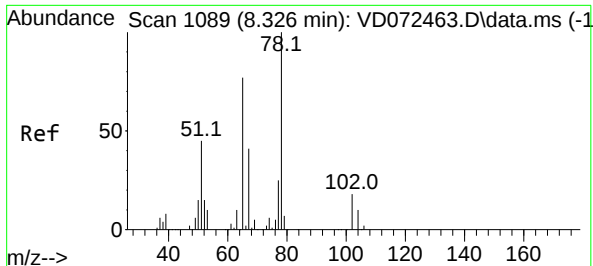
Tgt Ion: 43 Resp: 8154
Ion Ratio Lower Upper
43 100
72 21.5 18.6 27.8



#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 56 Resp: 9244
Ion Ratio Lower Upper
56 100
69 211.0 25.4 38.2#
84 117.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 50.020 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

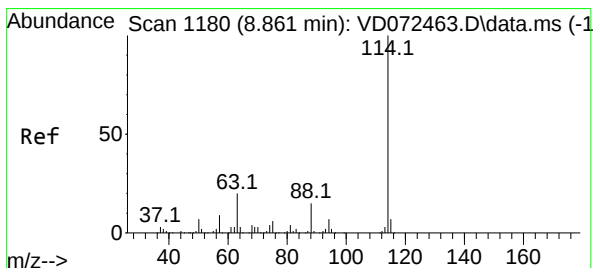
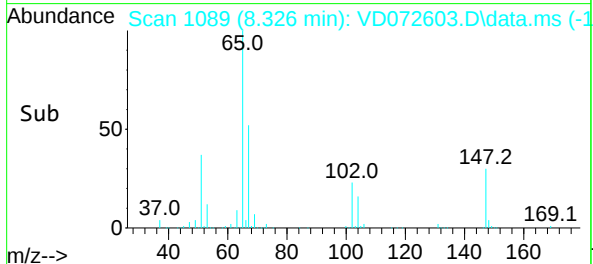
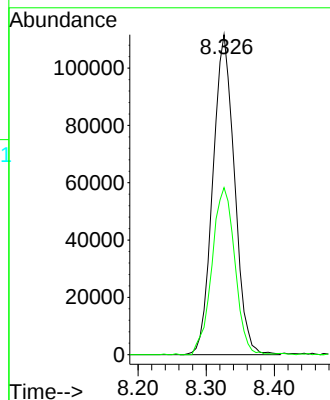
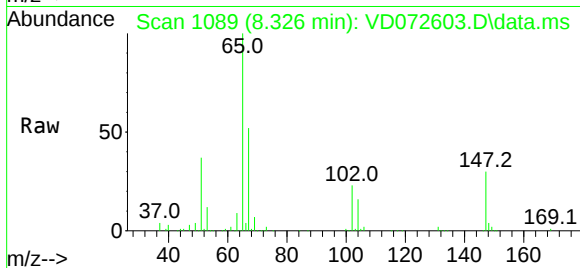
SB-4S

Tgt Ion: 65 Resp: 247045

Ion Ratio Lower Upper

65 100

67 55.2 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: VD072603.D

Acq: 18 Apr 2022 17:51

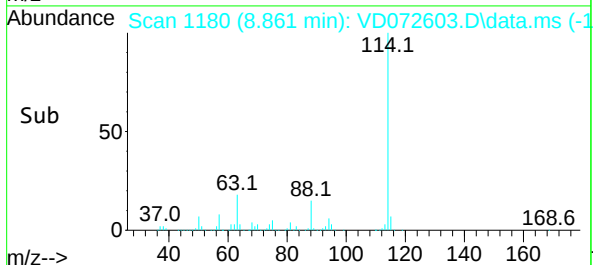
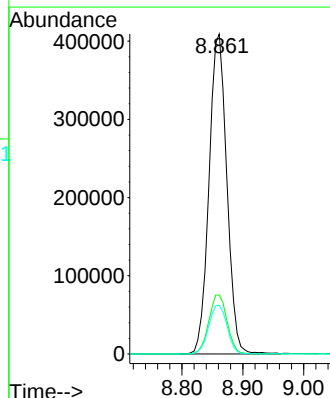
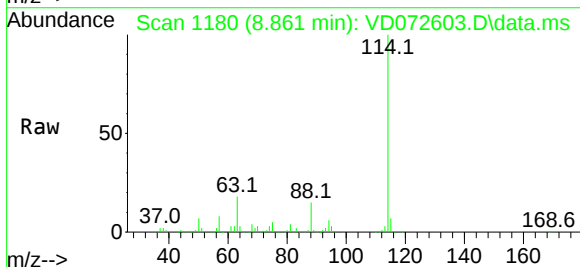
Tgt Ion: 114 Resp: 829741

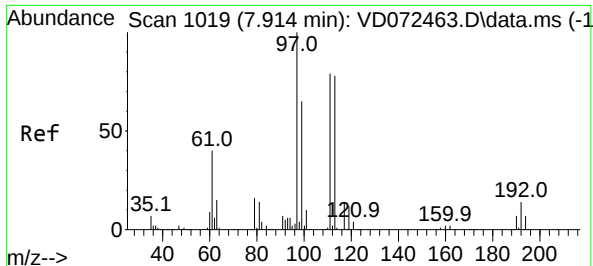
Ion Ratio Lower Upper

114 100

63 18.4 0.0 46.6

88 15.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.676 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

Instrument :

MSVOA_D

ClientSampleId :

SB-4S

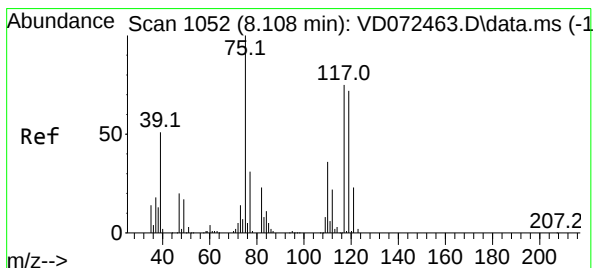
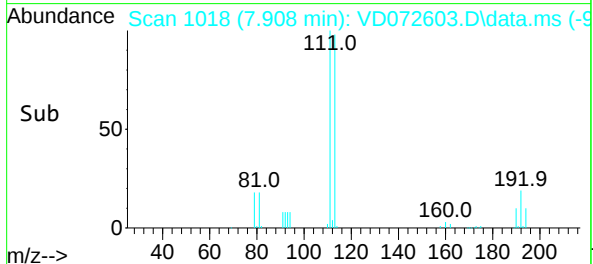
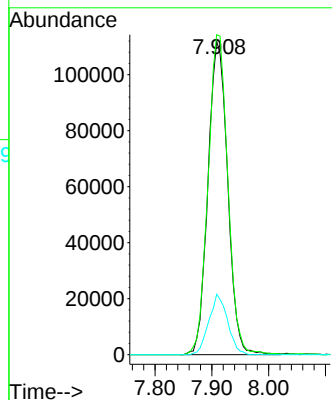
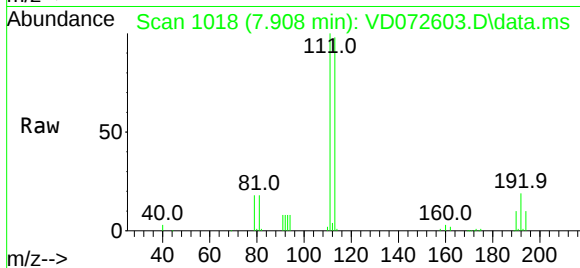
Tgt Ion:113 Resp: 268738

Ion Ratio Lower Upper

113 100

111 103.0 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072603.D

Acq: 18 Apr 2022 17:51

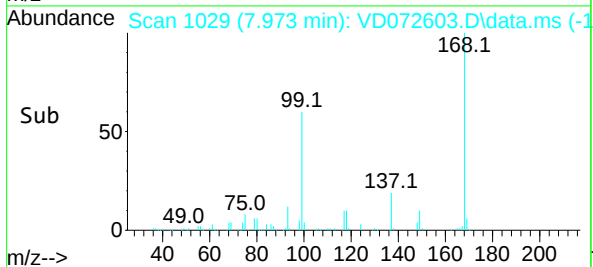
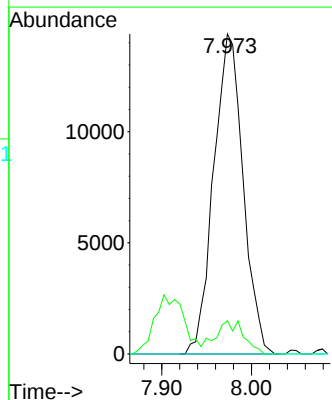
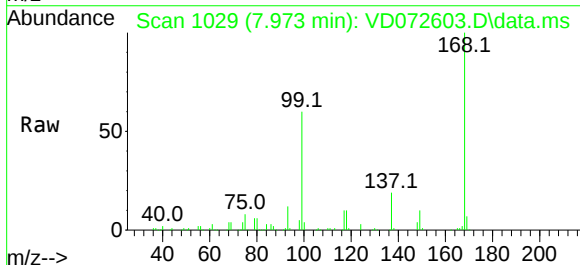
Tgt Ion: 75 Resp: 32717

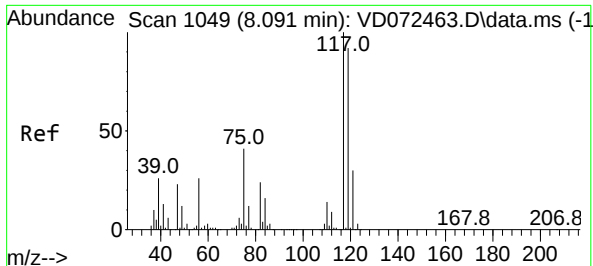
Ion Ratio Lower Upper

75 100

110 10.0 16.4 49.1#

77 0.0 24.2 36.2#

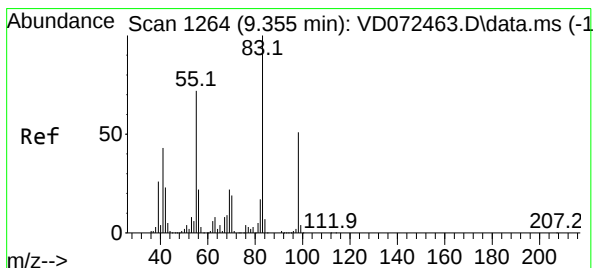
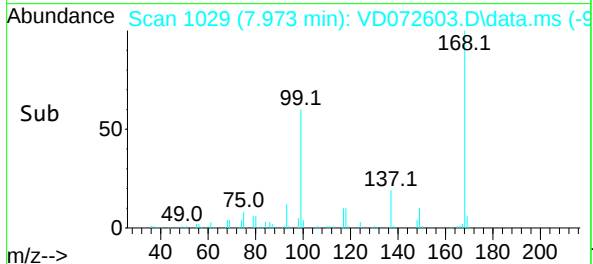
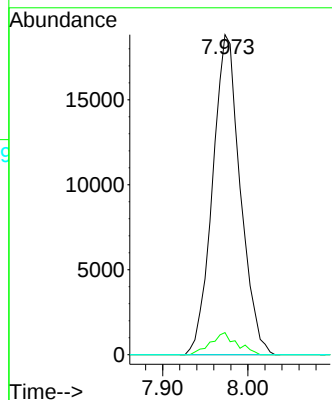
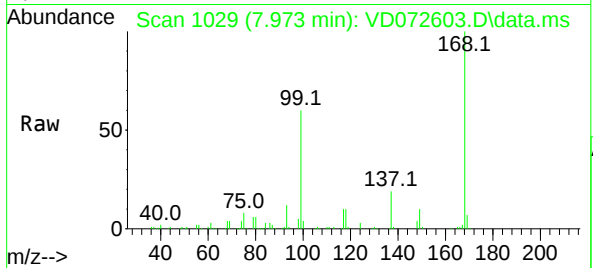




#38
Carbon Tetrachloride
Concen: 4.783 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

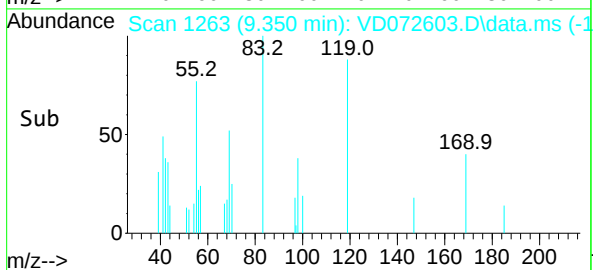
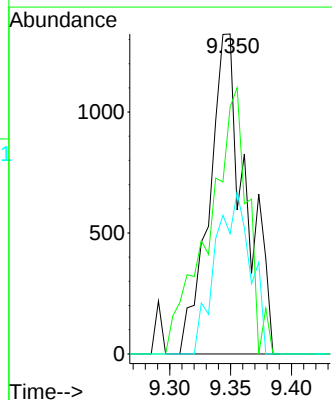
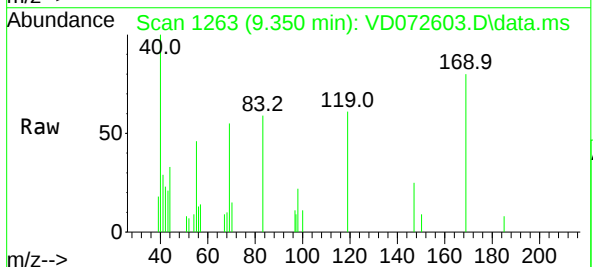
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

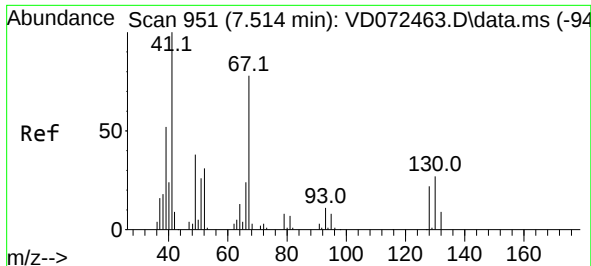
Tgt Ion:117 Resp: 42493
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 3.147 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 83 Resp: 2752
Ion Ratio Lower Upper
83 100
55 77.2 63.2 94.8
98 37.6 38.2 57.4#

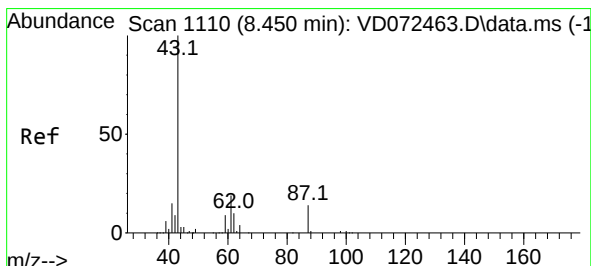
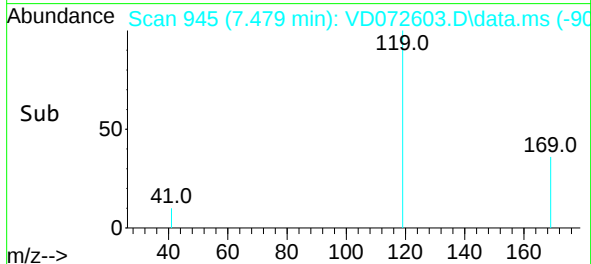
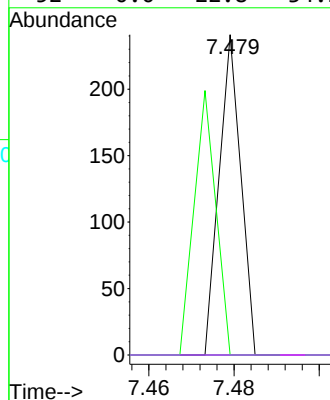
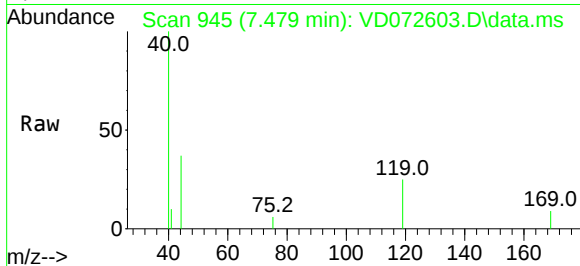




#41
Methacrylonitrile
Concen: 1.699 ug/l
RT: 7.479 min Scan# 941
Delta R.T. -0.035 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

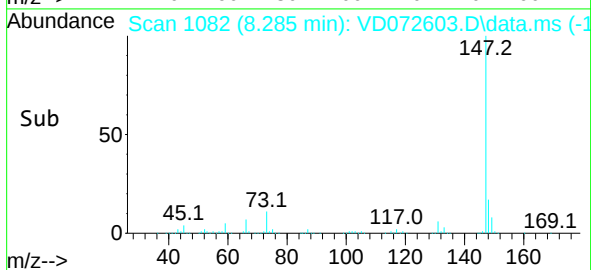
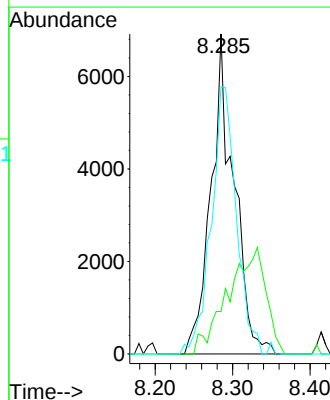
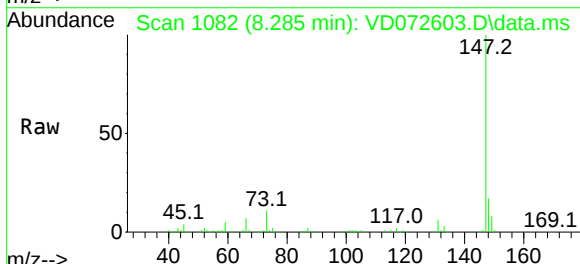
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

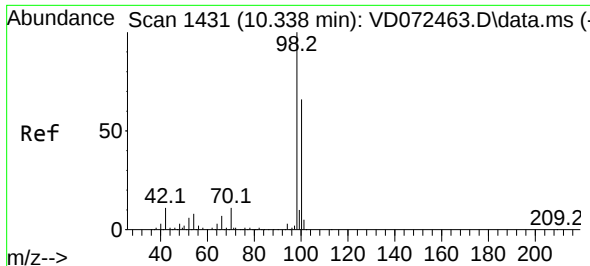
Tgt Ion:	41	Resp:	85
Ion	Ratio	Lower	Upper
41	100		
39	82.4	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#43
Isopropyl Acetate
Concen: 2.168 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion:	43	Resp:	14212
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	91.5	8.7	13.1#

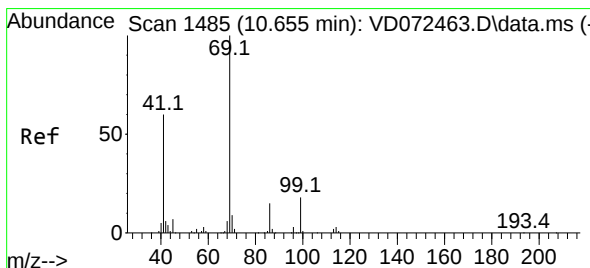
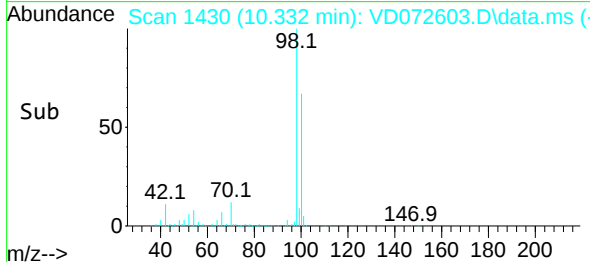
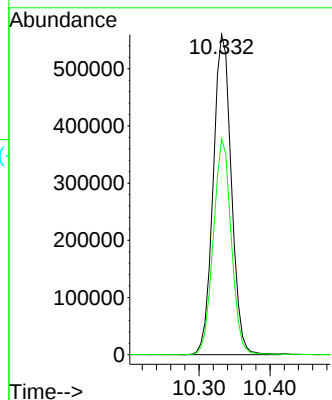
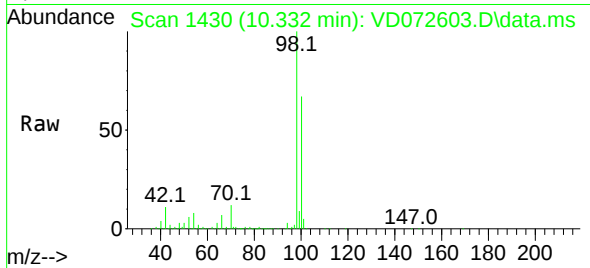




#50
Toluene-d8
Concen: 44.272 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

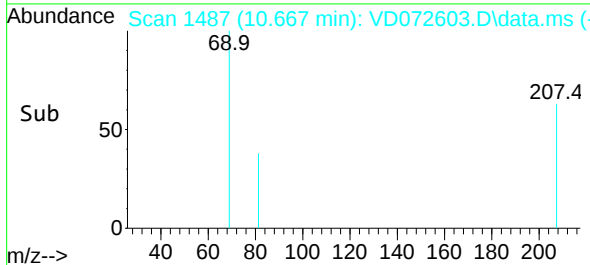
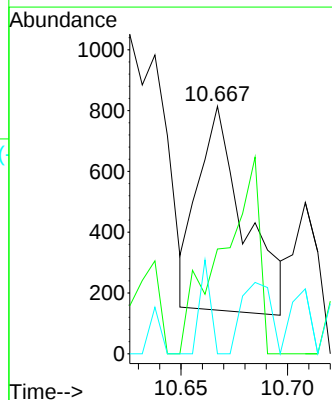
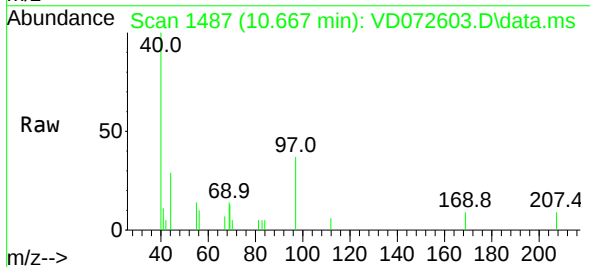
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

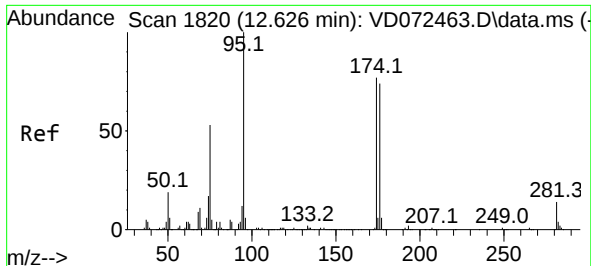
Tgt Ion: 98 Resp: 992330
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.352 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 69 Resp: 1011
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 10.8 33.8 50.8#

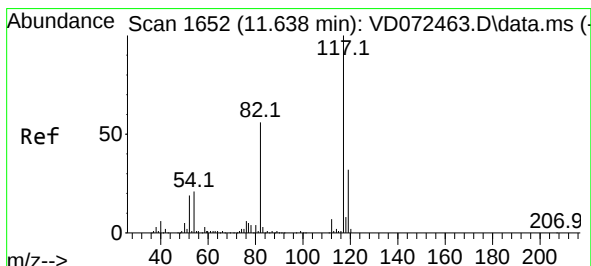
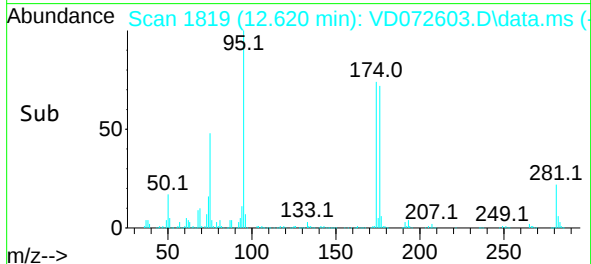
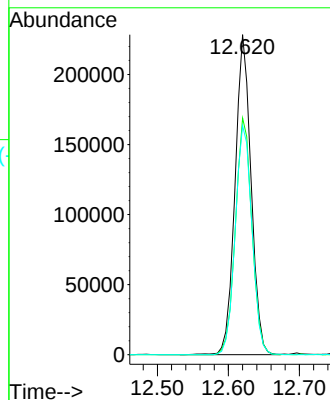
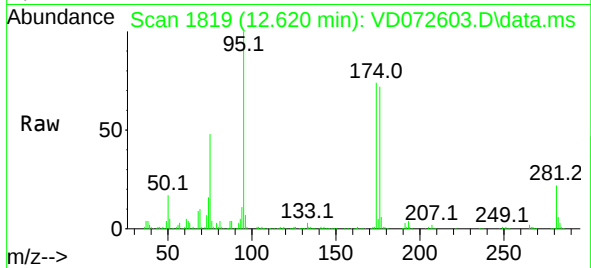




#62
4-Bromofluorobenzene
Concen: 40.909 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

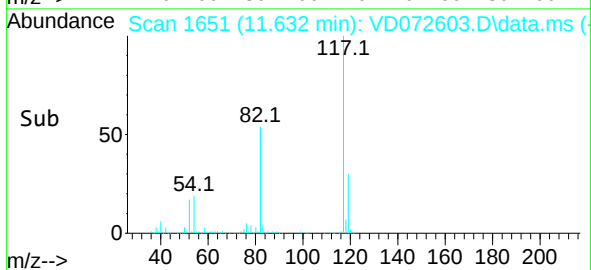
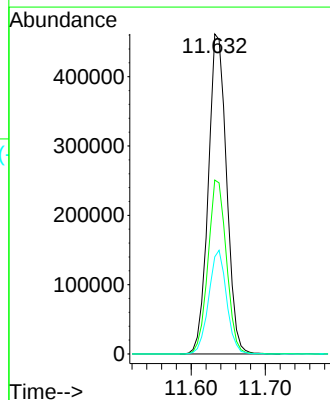
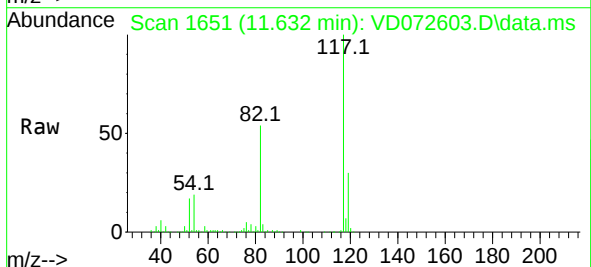
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

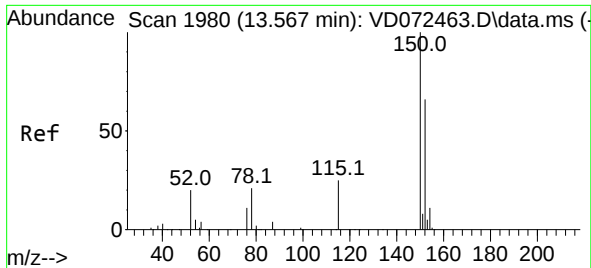
Tgt Ion: 95 Resp: 358112
Ion Ratio Lower Upper
95 100
174 76.1 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 117 Resp: 790784
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.4 26.6 40.0

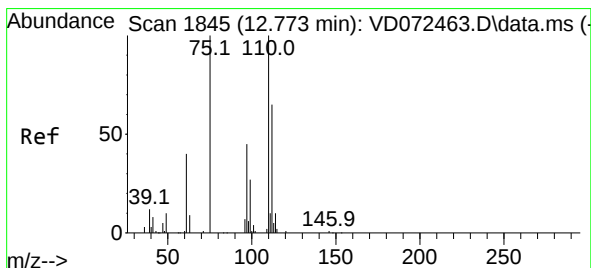
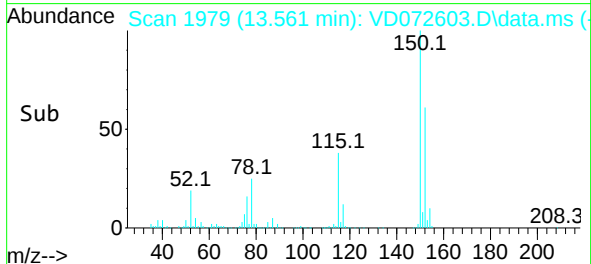
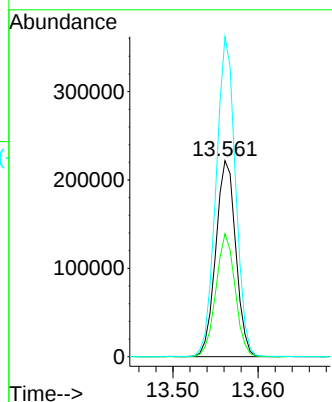
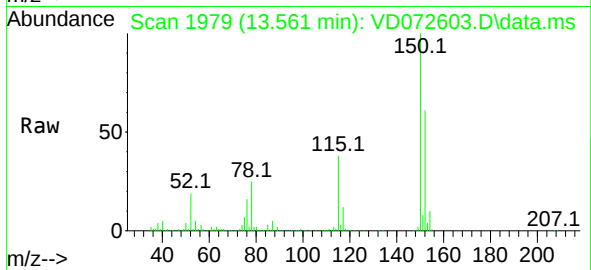




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

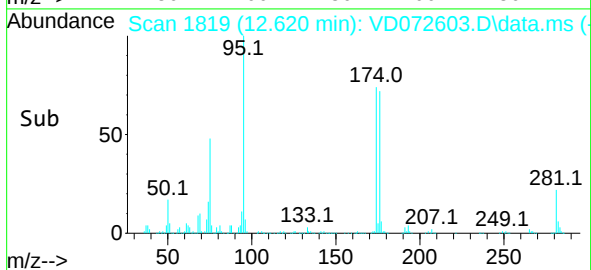
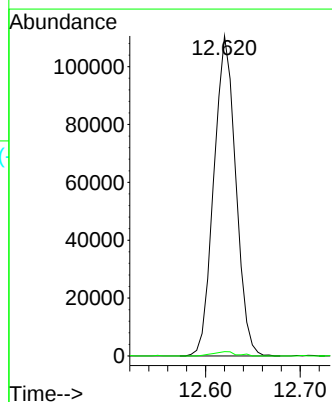
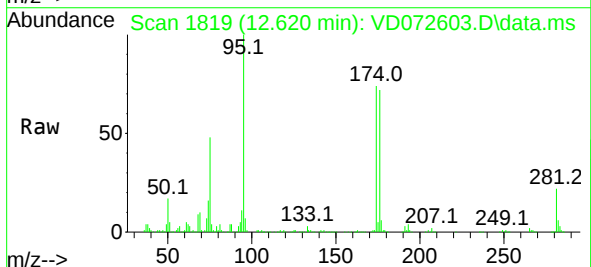
Instrument :
MSVOA_D
ClientSampleId :
SB-4S

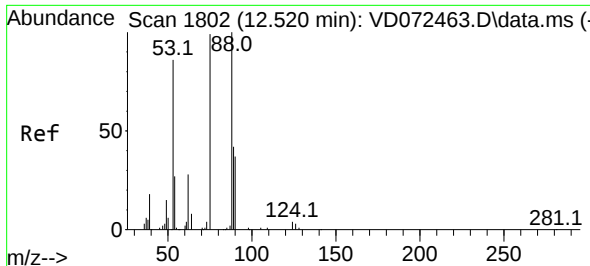
Tgt Ion:152 Resp: 362366
Ion Ratio Lower Upper
152 100
115 60.2 31.3 93.8
150 159.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.034 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion: 75 Resp: 177981
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

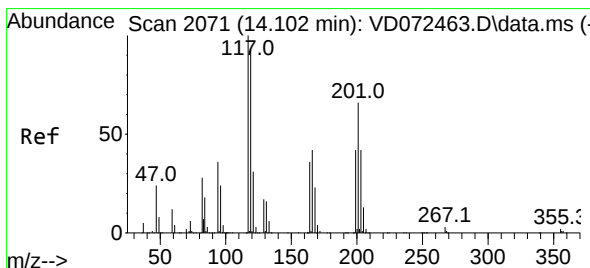
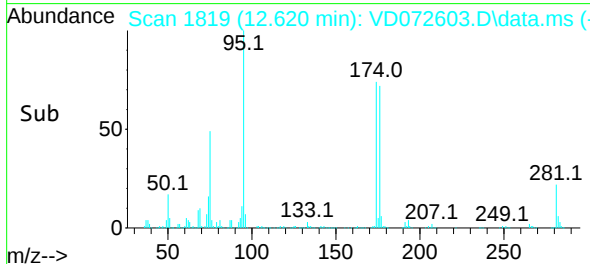
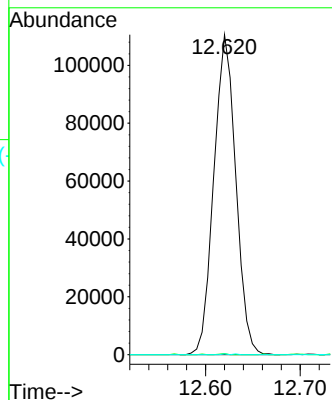
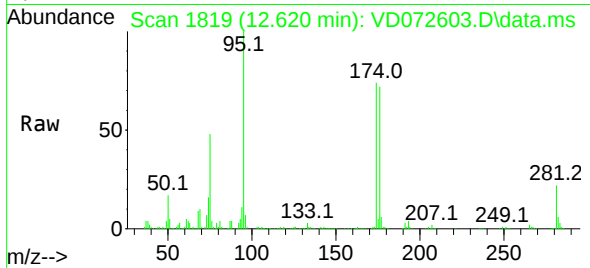




#81
trans-1,4-Dichloro-2-butene
Concen: 110.504 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Instrument :
MSVOA_D
ClientSampleId :
SB-4S

Tgt Ion: 75 Resp: 177981
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#



#90
Hexachloroethane
Concen: 2.733 ug/l
RT: 14.167 min Scan# 2082
Delta R.T. 0.065 min
Lab File: VD072603.D
Acq: 18 Apr 2022 17:51

Tgt Ion:117 Resp: 14947
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#

