

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072602.D
 Acq On : 18 Apr 2022 17:22
 Operator : VA/SY
 Sample : N2444-03
 Misc : 4.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Apr 19 02:51:50 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)

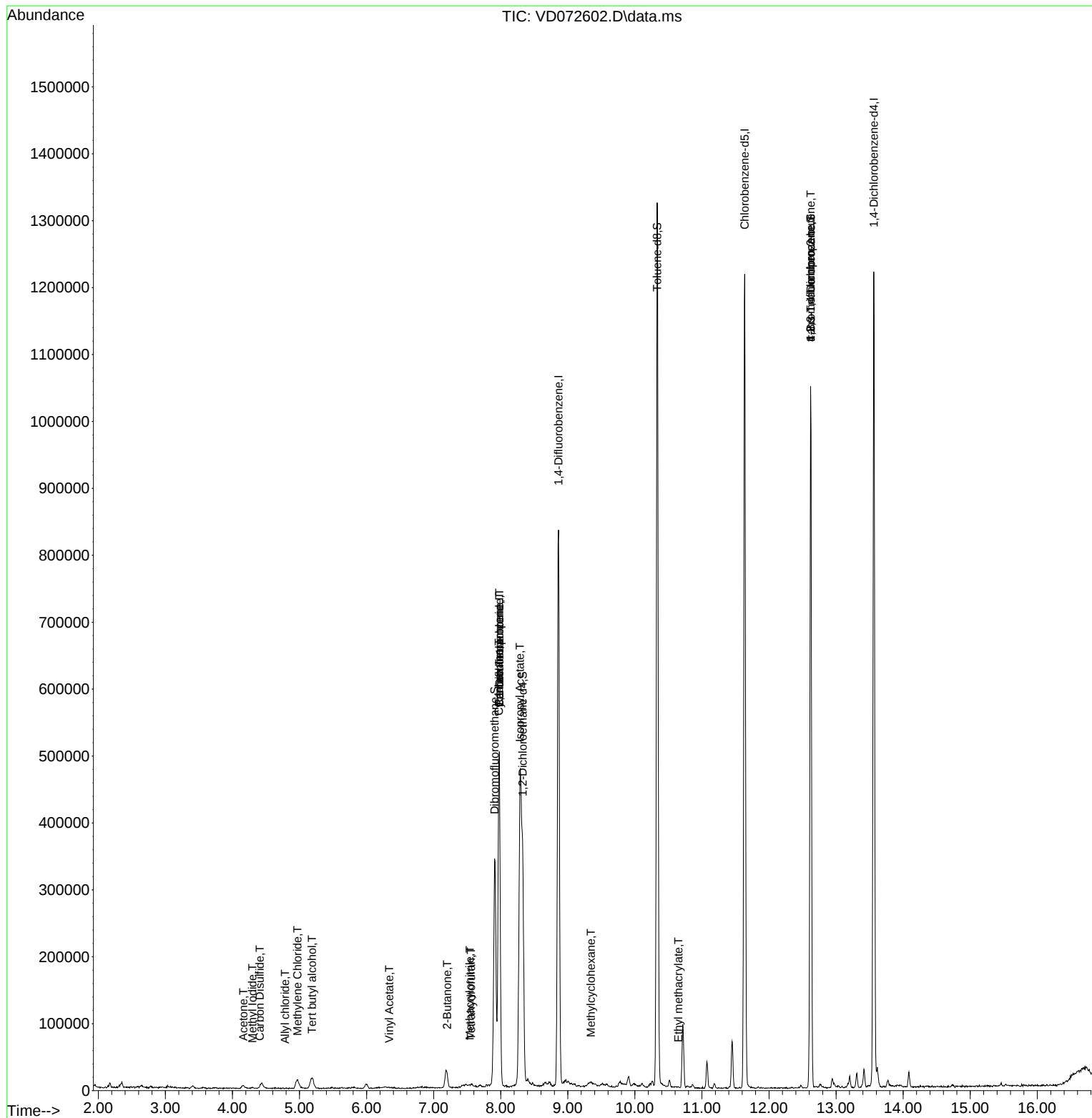
Internal Standards						
1) Pentafluorobenzene	7.979	168	374009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	738020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	725771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	334484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246595	54.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.000%
35) Dibromofluoromethane	7.908	113	249964	43.582	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.160%
50) Toluene-d8	10.332	98	894142	44.849	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.700%
62) 4-Bromofluorobenzene	12.620	95	314362	40.374	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1303	4.032	ug/l #	63
11) Tert butyl alcohol	5.185	59	15773	66.016	ug/l #	75
14) Allyl chloride	4.785	41	67	1.138	ug/l #	22
16) Acetone	4.162	43	8192	9.710	ug/l	97
17) Carbon Disulfide	4.409	76	2161	3.901	ug/l #	74
20) Methylene Chloride	4.967	84	11055	2.201	ug/l #	75
23) Vinyl Acetate	6.338	43	71	6.298	ug/l #	75
25) 2-Butanone	7.203	43	2412	2.067	ug/l	98
29) Tetrahydrofuran	7.556	42	849	1.205	ug/l #	46
31) Cyclohexane	7.973	56	7983	1.349	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	30716	5.221	ug/l #	52
38) Carbon Tetrachloride	7.979	117	37934	4.801	ug/l #	22
39) Methylcyclohexane	9.344	83	276	2.907	ug/l #	17
41) Methacrylonitrile	7.538	41	61	1.691	ug/l #	27
43) Isopropyl Acetate	8.285	43	10272	1.762	ug/l #	1
56) Ethyl methacrylate	10.650	69	1008	1.371	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	161007	44.135	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	161007	108.298	ug/l #	7

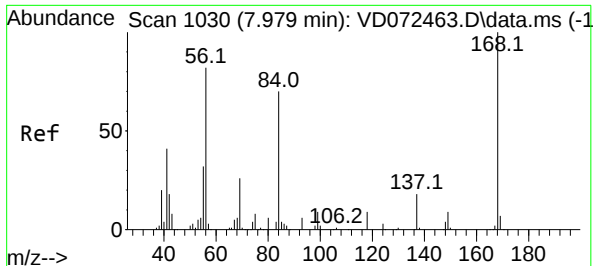
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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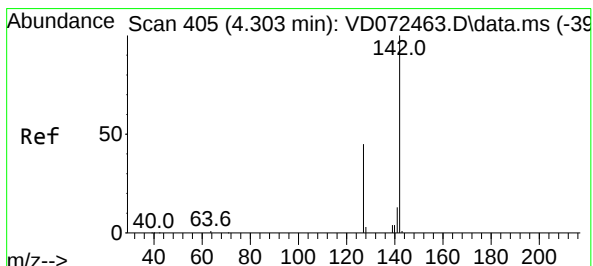
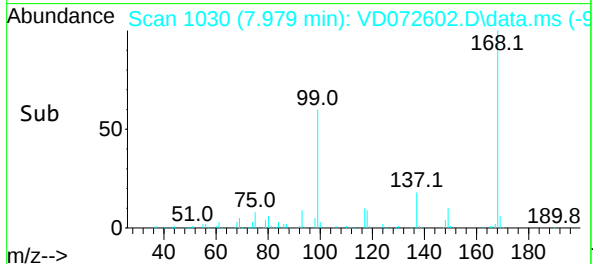
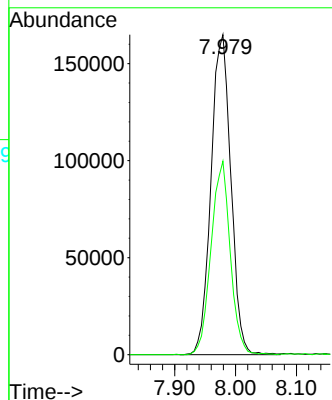
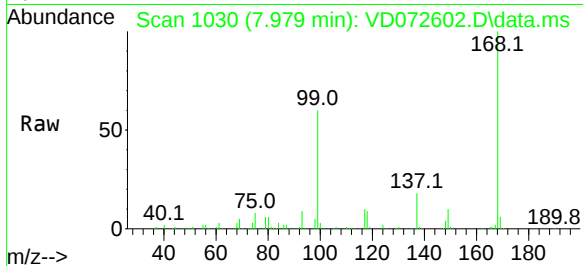




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

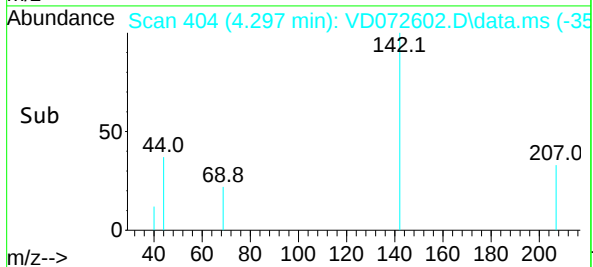
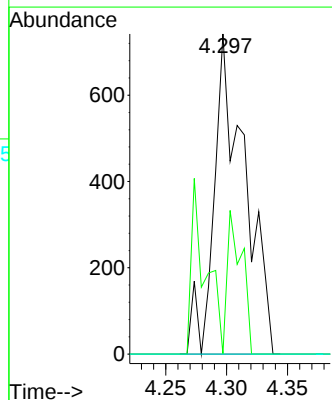
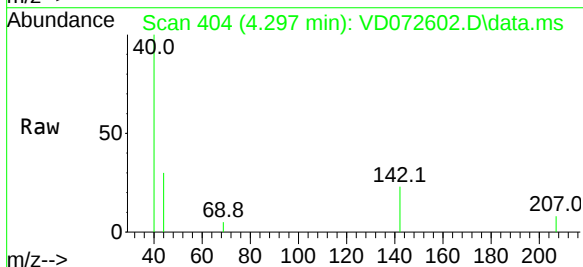
Instrument :
MSVOA_D
ClientSampleId :
SB-3

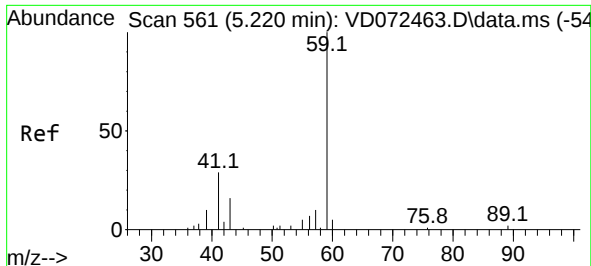
Tgt Ion:168 Resp: 374009
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#10
Methyl Iodide
Concen: 4.032 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion:142 Resp: 1303
Ion Ratio Lower Upper
142 100
127 21.3 37.3 55.9#
141 0.0 11.7 17.5#

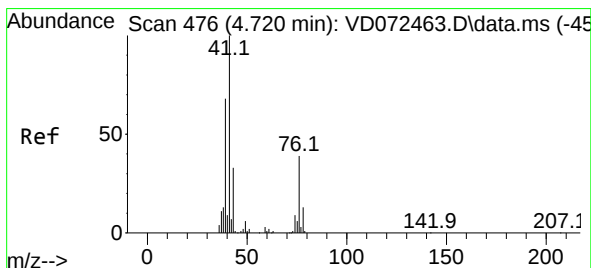
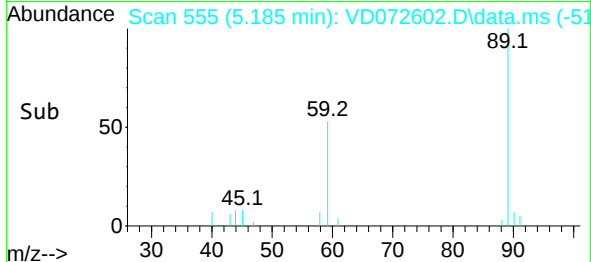
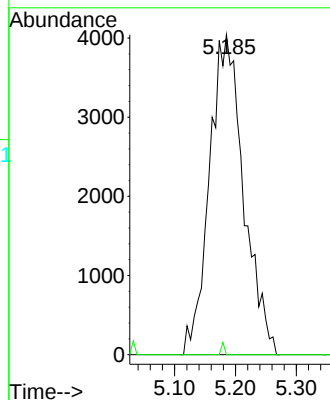
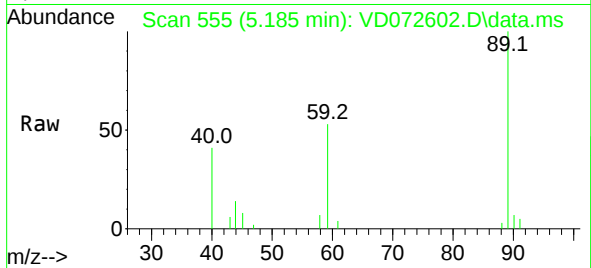




#11
Tert butyl alcohol
Concen: 66.016 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

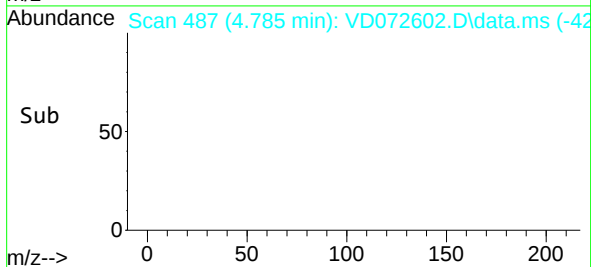
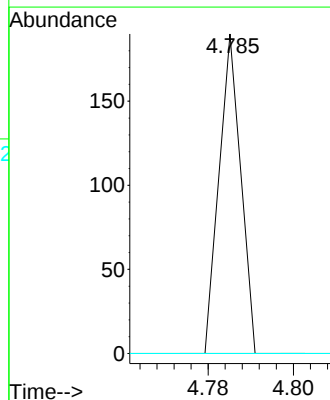
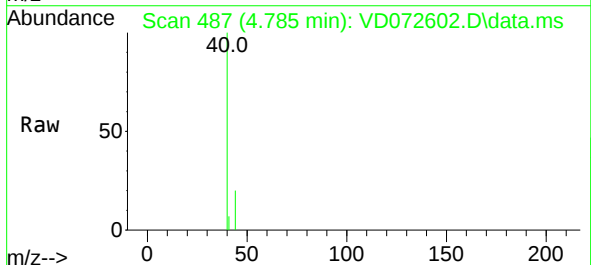
Instrument :
MSVOA_D
ClientSampleId :
SB-3

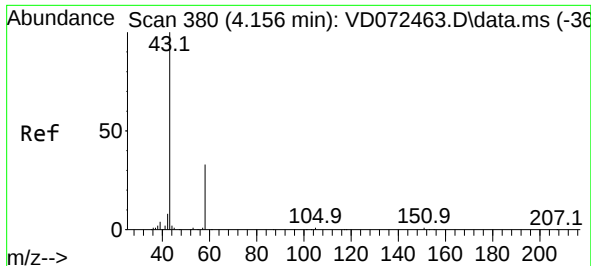
Tgt Ion: 59 Resp: 15773
Ion Ratio Lower Upper
59 100
57 0.3 7.8 11.6#



#14
Allyl chloride
Concen: 1.138 ug/l
RT: 4.785 min Scan# 487
Delta R.T. 0.065 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 41 Resp: 67
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

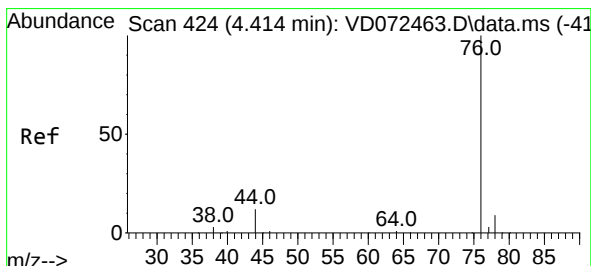
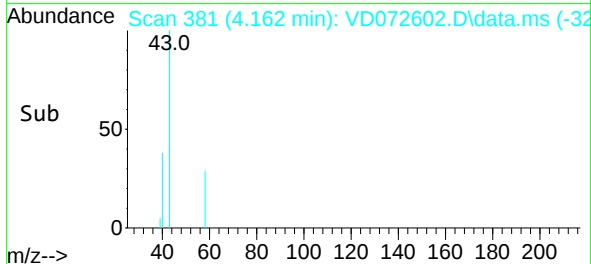
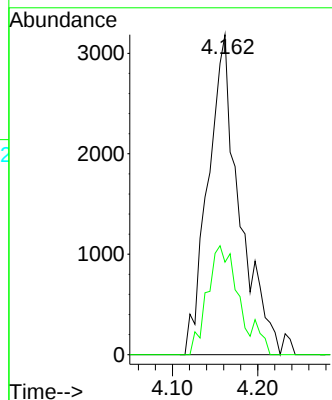
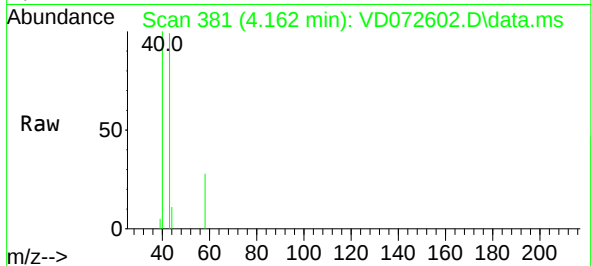




#16
Acetone
Concen: 9.710 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

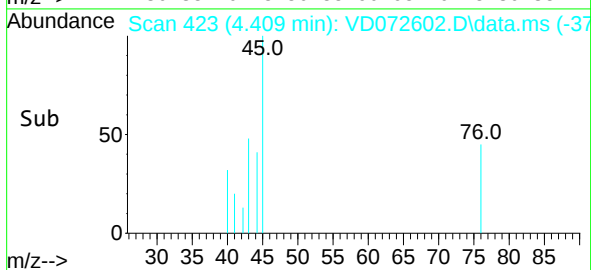
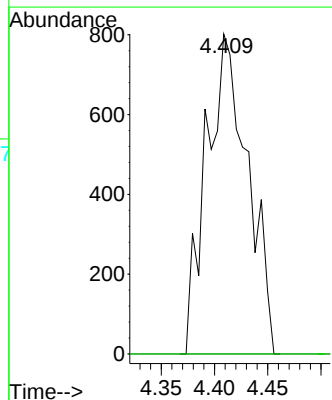
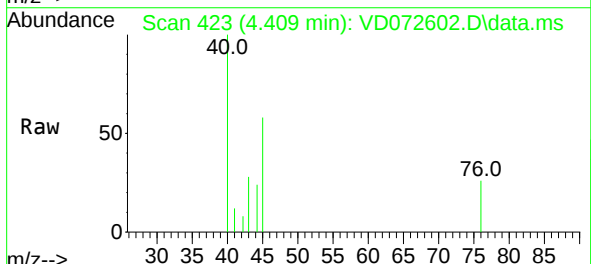
Instrument :
MSVOA_D
ClientSampleId :
SB-3

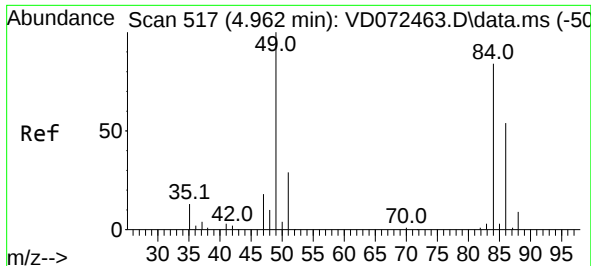
Tgt Ion: 43 Resp: 8192
Ion Ratio Lower Upper
43 100
58 28.9 22.1 33.1



#17
Carbon Disulfide
Concen: 3.901 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 76 Resp: 2161
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: 2.201 ug/l

RT: 4.967 min Scan# 517

Delta R.T. 0.006 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-3

Tgt Ion: 84 Resp: 11055

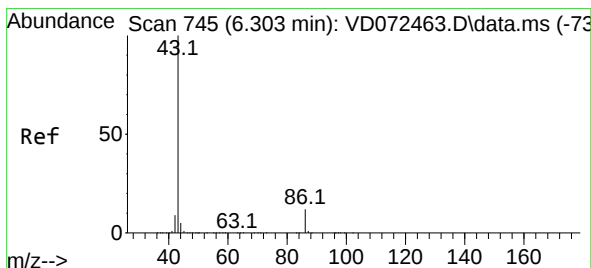
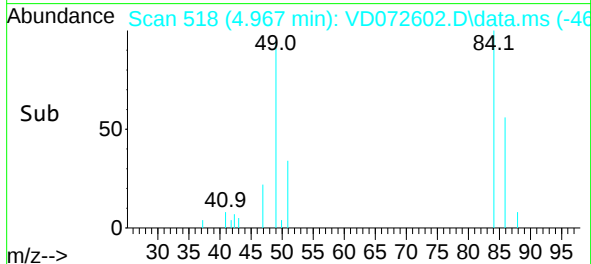
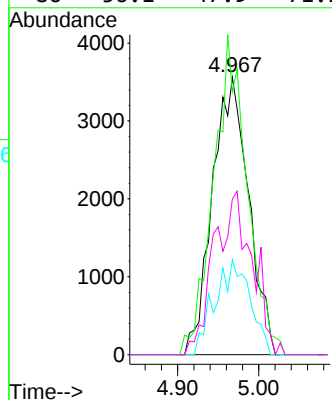
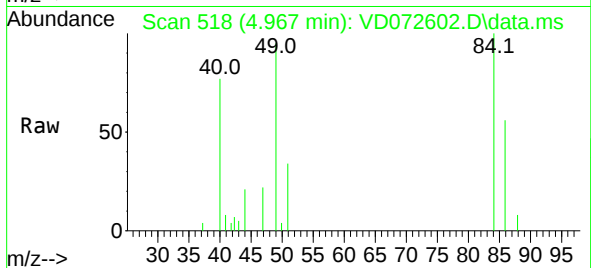
Ion Ratio Lower Upper

84 100

49 94.8 112.8 169.2#

51 34.3 32.6 48.8

86 56.1 47.9 71.9



#23

Vinyl Acetate

Concen: 6.298 ug/l

RT: 6.338 min Scan# 751

Delta R.T. 0.035 min

Lab File: VD072602.D

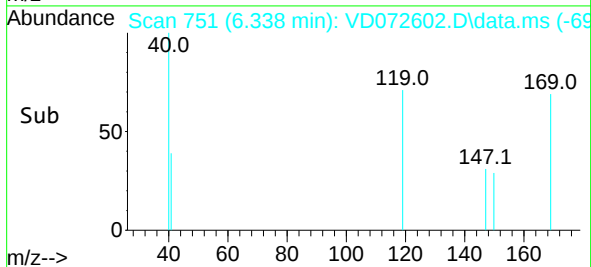
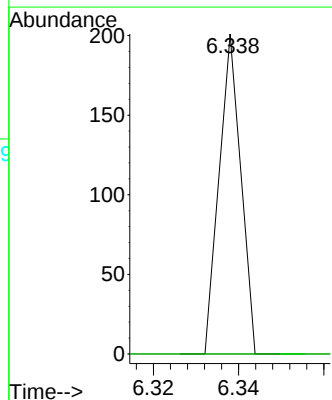
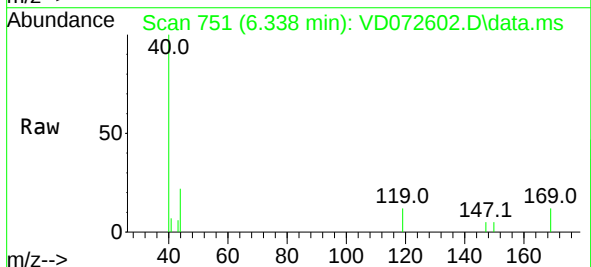
Acq: 18 Apr 2022 17:22

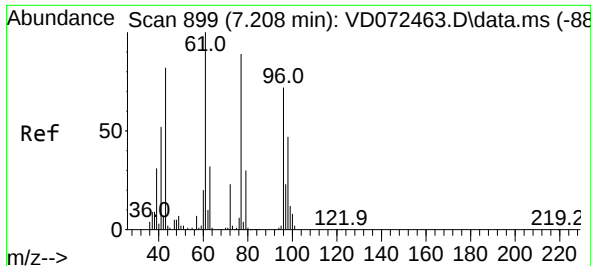
Tgt Ion: 43 Resp: 71

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 2.067 ug/l

RT: 7.203 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

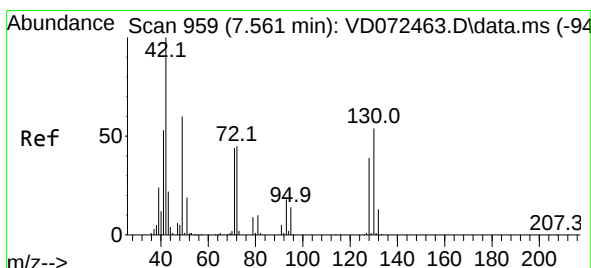
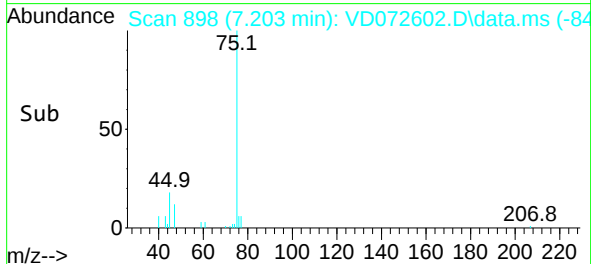
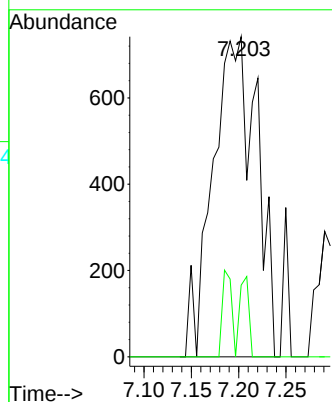
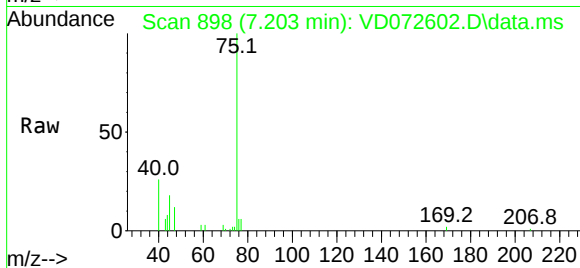
SB-3

Tgt Ion: 43 Resp: 2412

Ion Ratio Lower Upper

43 100

72 22.4 18.6 27.8



#29

Tetrahydrofuran

Concen: 1.205 ug/l

RT: 7.556 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

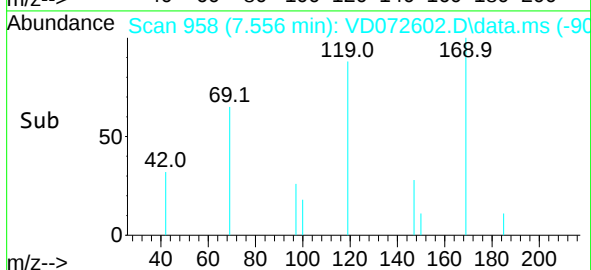
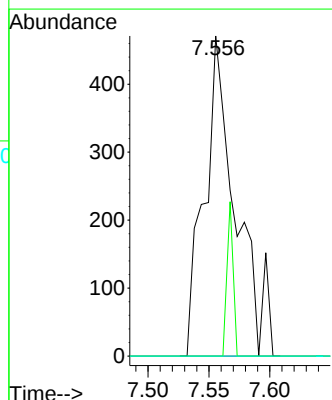
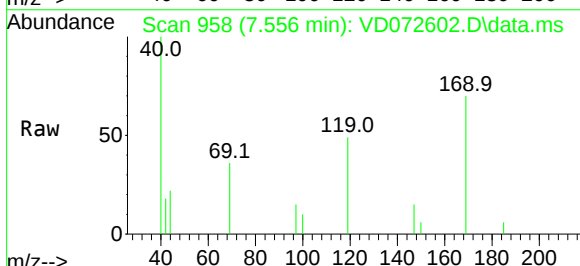
Tgt Ion: 42 Resp: 849

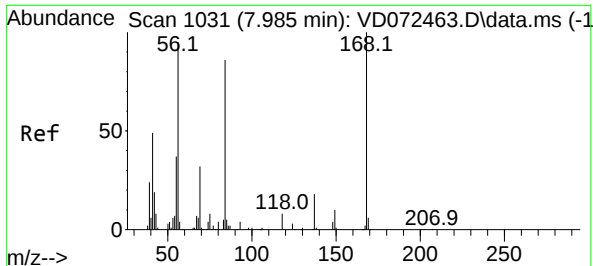
Ion Ratio Lower Upper

42 100

72 9.4 30.7 46.1#

71 0.0 28.6 43.0#

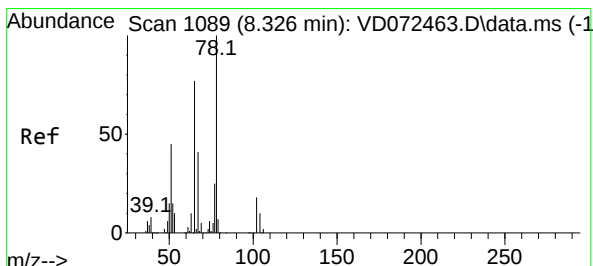
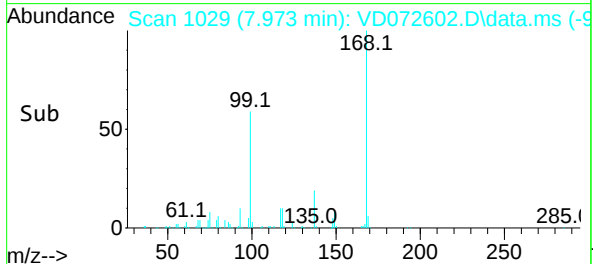
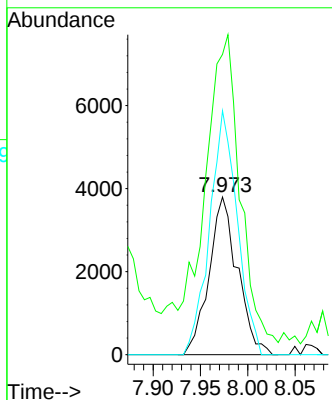
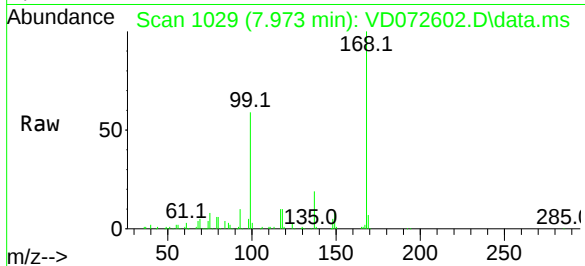




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

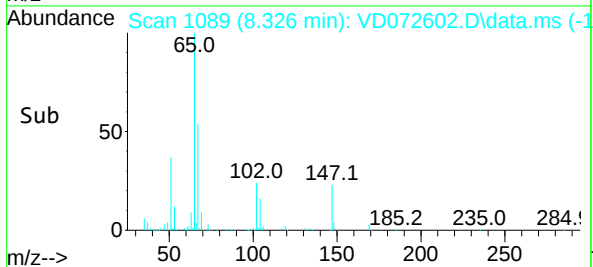
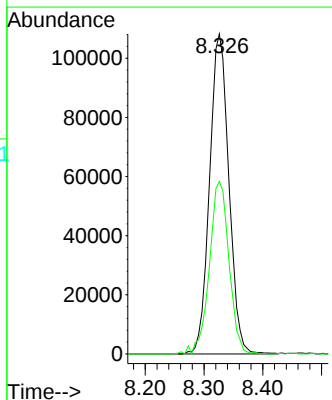
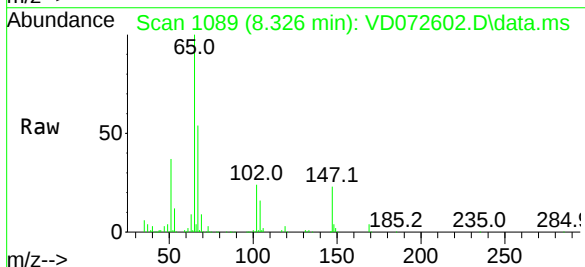
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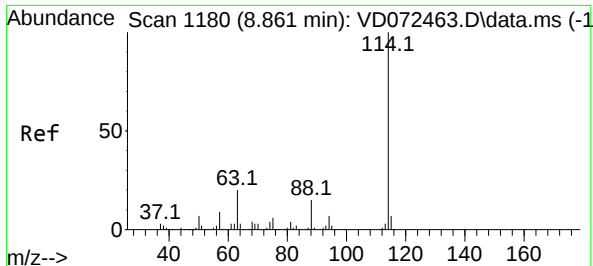
Tgt Ion: 56 Resp: 7983
Ion Ratio Lower Upper
56 100
69 182.8 25.4 38.2#
84 154.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 54.504 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 65 Resp: 246595
Ion Ratio Lower Upper
65 100
67 54.9 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: VD072602.D

Acq: 18 Apr 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-3

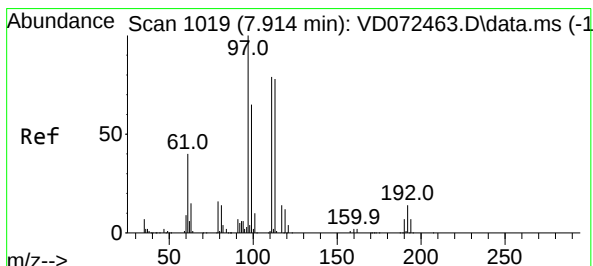
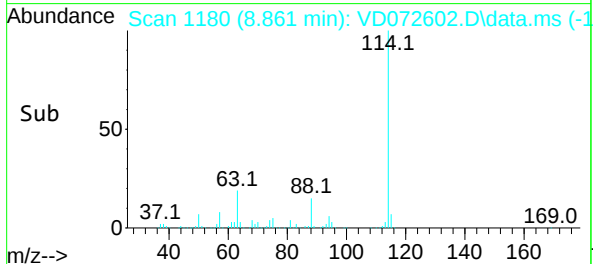
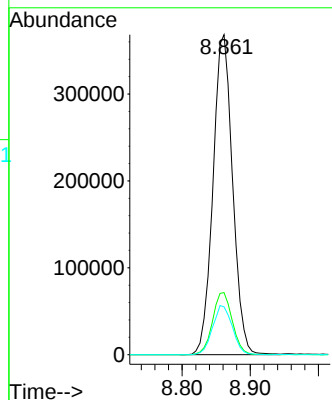
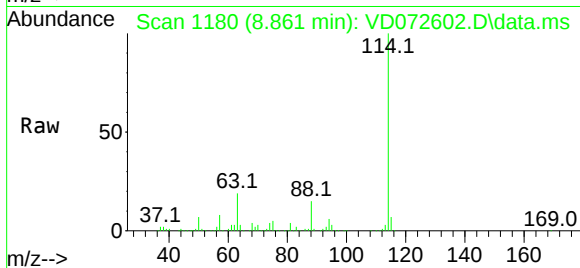
Tgt Ion:114 Resp: 738020

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 14.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 43.582 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

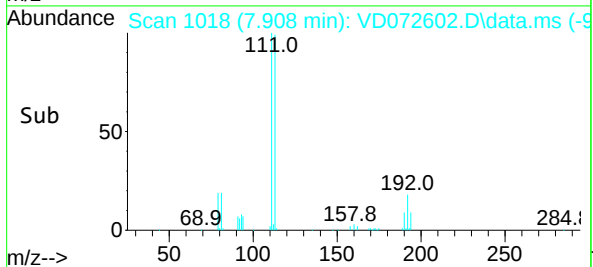
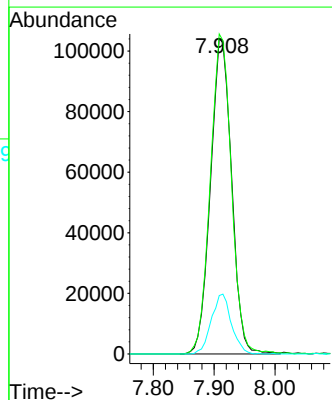
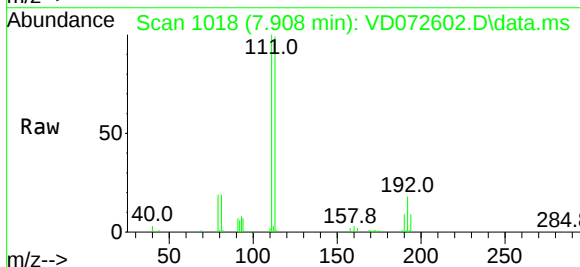
Tgt Ion:113 Resp: 249964

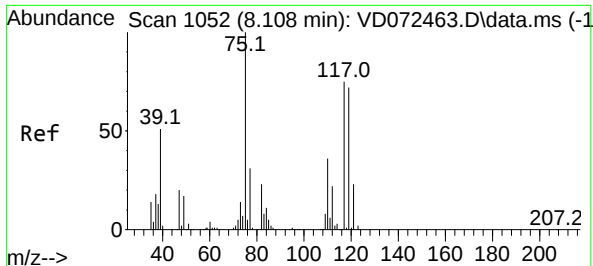
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.221 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-3

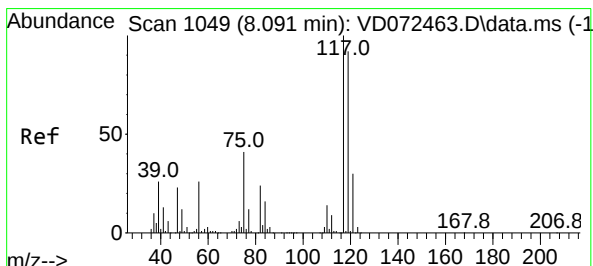
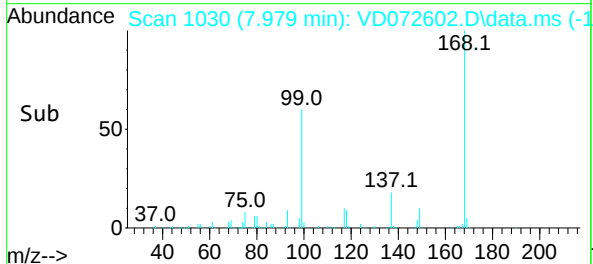
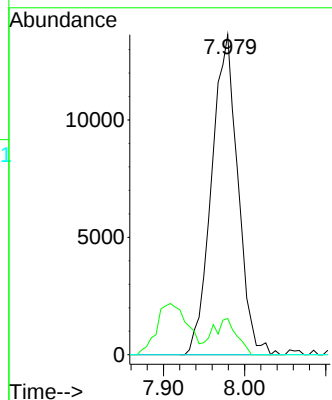
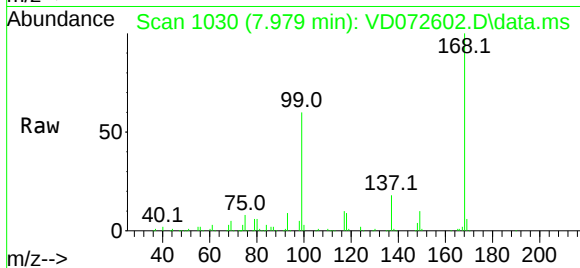
Tgt Ion: 75 Resp: 30716

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.801 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

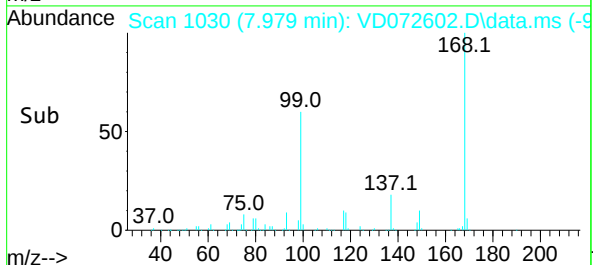
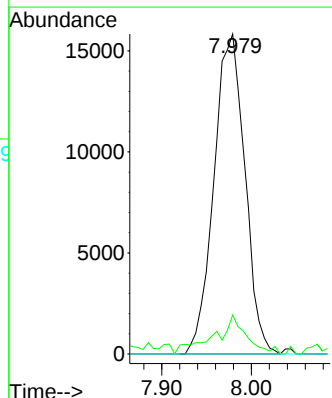
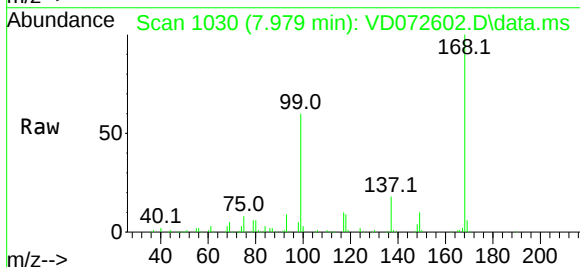
Tgt Ion: 117 Resp: 37934

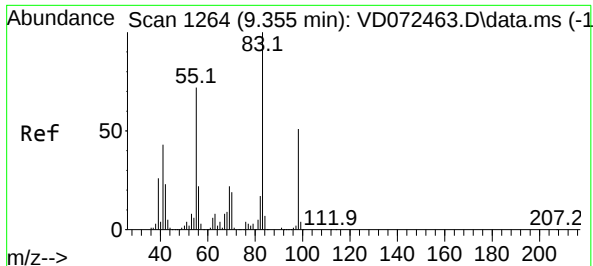
Ion Ratio Lower Upper

117 100

119 12.2 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.907 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.011 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

Instrument :

MSVOA_D

ClientSampleId :

SB-3

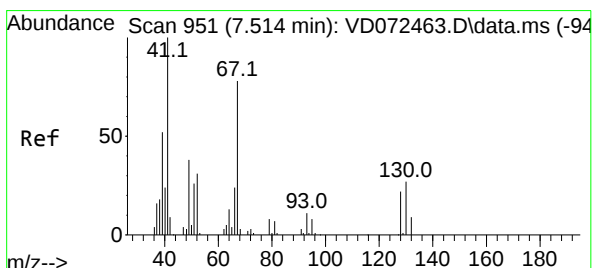
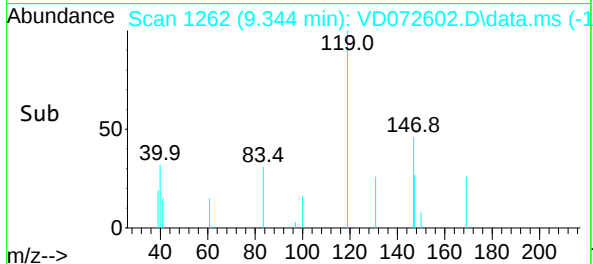
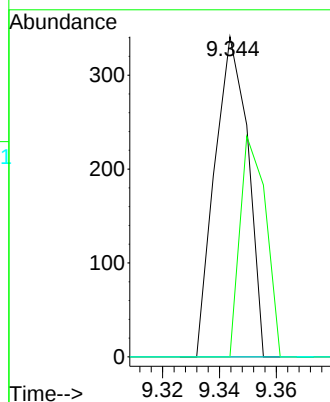
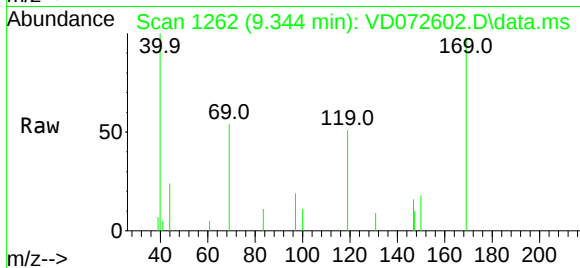
Tgt Ion: 83 Resp: 276

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.691 ug/l

RT: 7.538 min Scan# 955

Delta R.T. 0.024 min

Lab File: VD072602.D

Acq: 18 Apr 2022 17:22

Tgt Ion: 41 Resp: 61

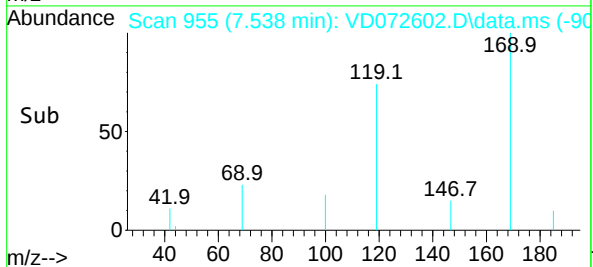
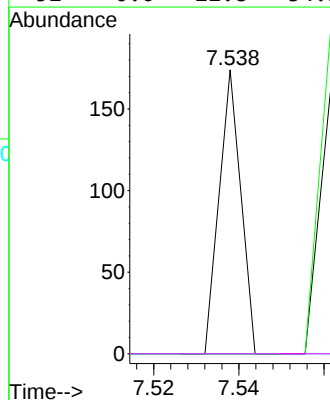
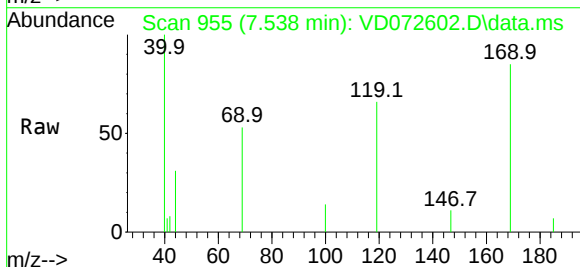
Ion Ratio Lower Upper

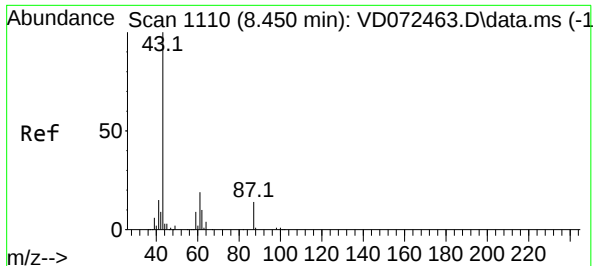
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

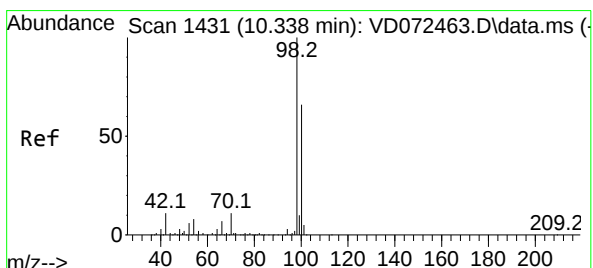
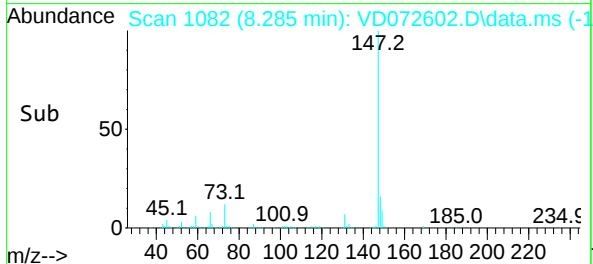
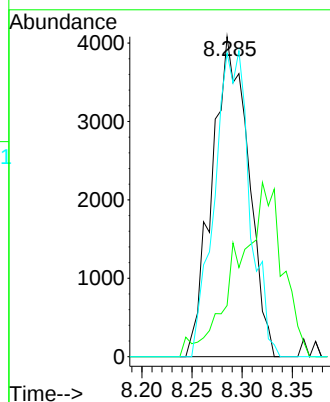
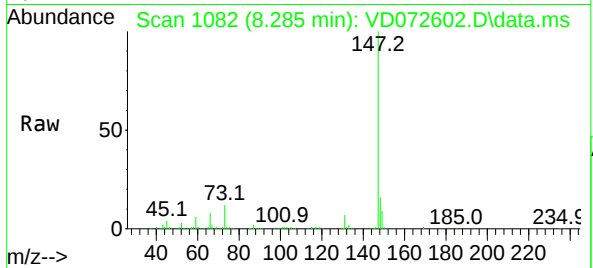




#43
Isopropyl Acetate
Concen: 1.762 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

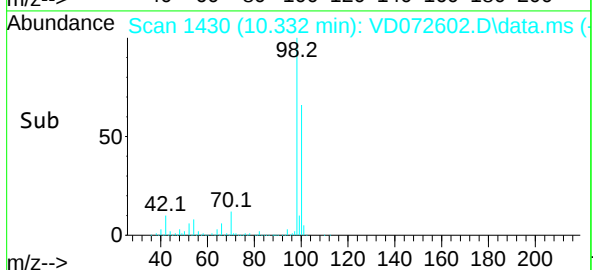
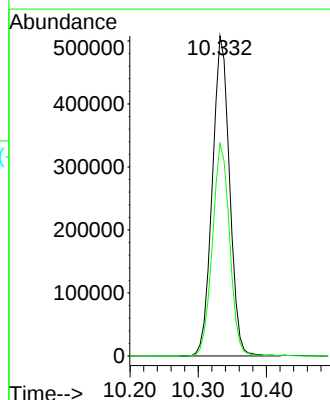
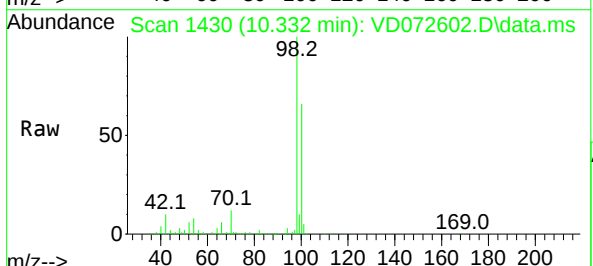
Instrument :
MSVOA_D
ClientSampleId :
SB-3

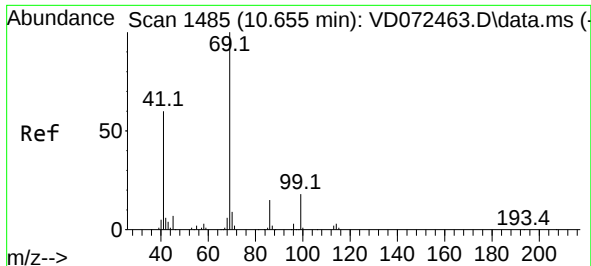
Tgt Ion: 43 Resp: 10272
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 92.6 8.7 13.1#



#50
Toluene-d8
Concen: 44.849 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 98 Resp: 894142
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6

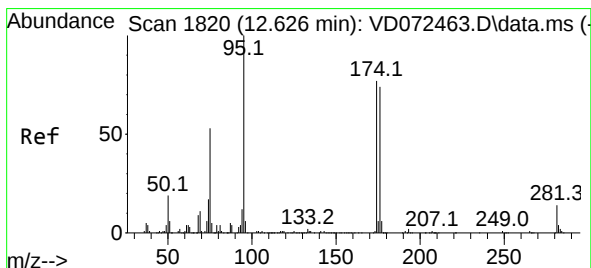
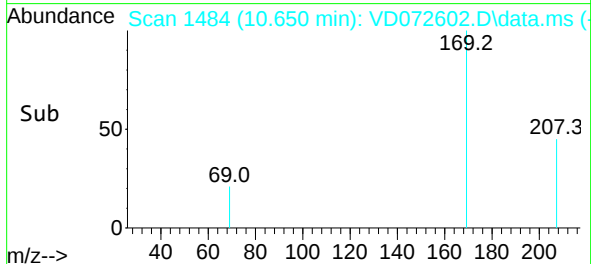
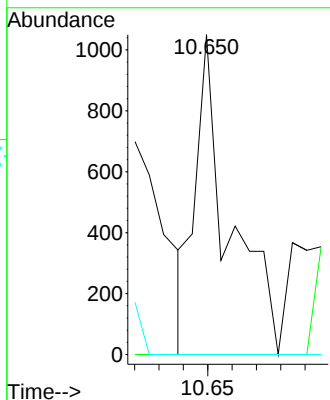
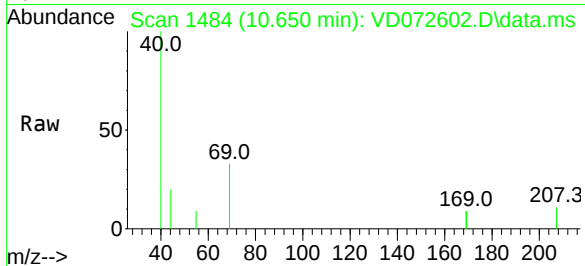




#56
Ethyl methacrylate
Concen: 1.371 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

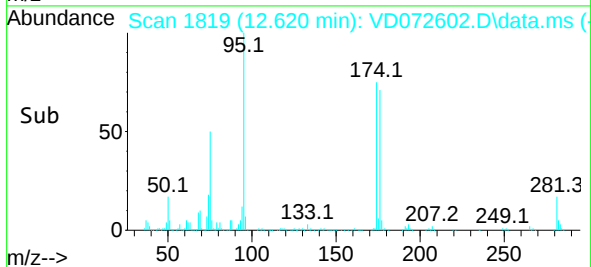
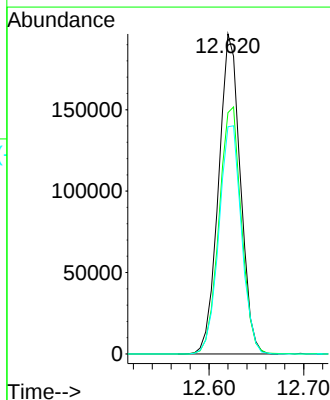
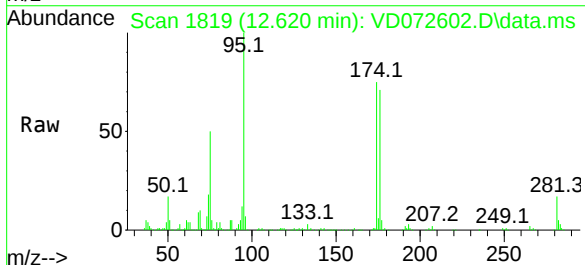
Instrument :
MSVOA_D
ClientSampleId :
SB-3

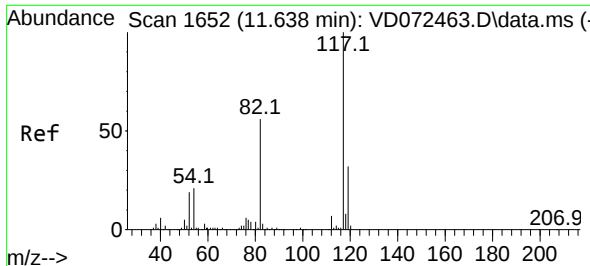
Tgt Ion: 69 Resp: 1008
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 40.374 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 95 Resp: 314362
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.8
176 73.8 0.0 145.4

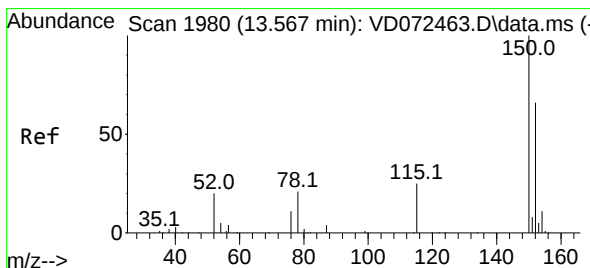
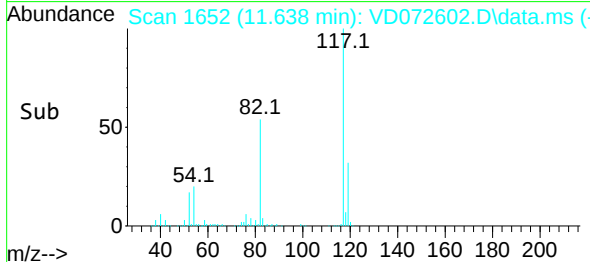
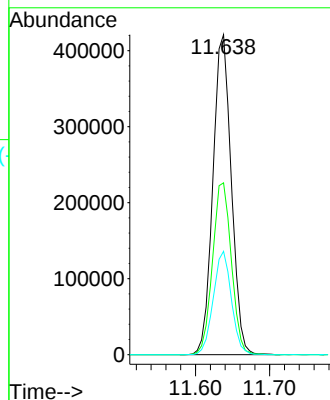
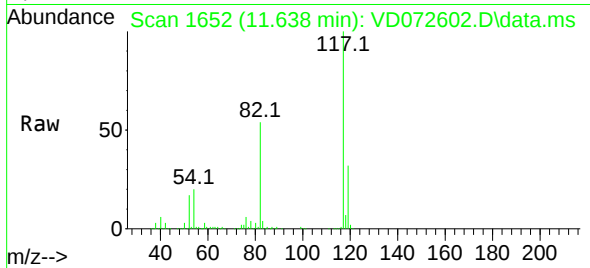




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

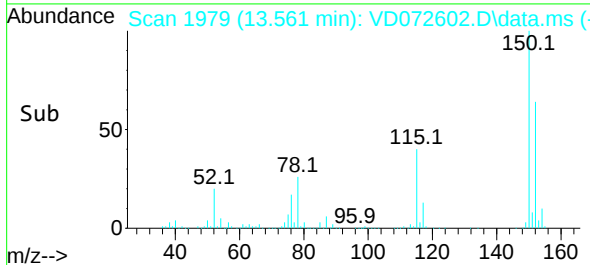
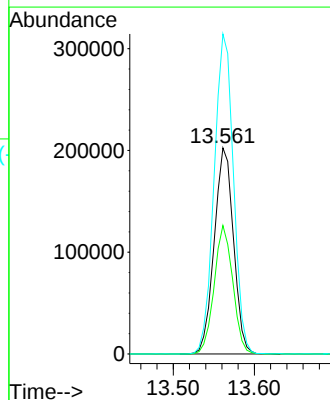
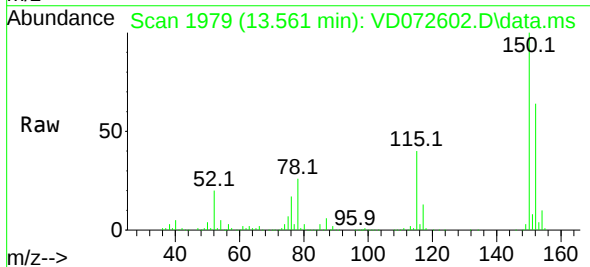
Instrument :
MSVOA_D
ClientSampleId :
SB-3

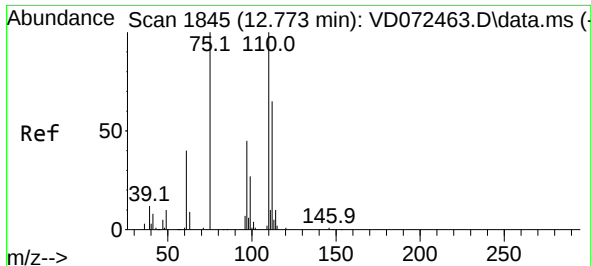
Tgt Ion:117 Resp: 725771
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 32.3 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion:152 Resp: 334484
Ion Ratio Lower Upper
152 100
115 60.0 31.3 93.8
150 155.3 0.0 348.6

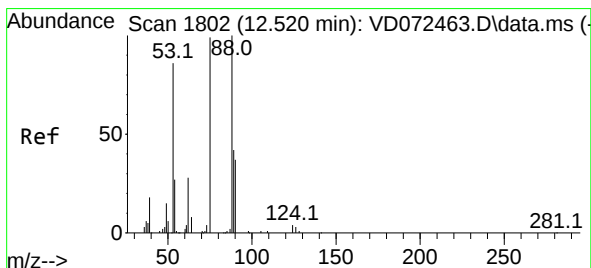
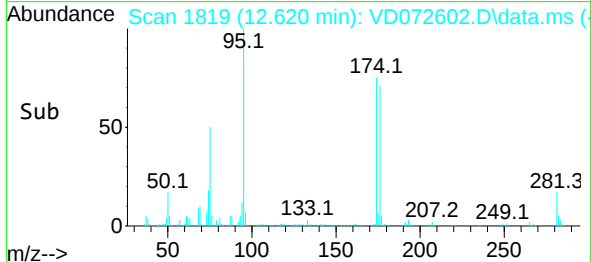
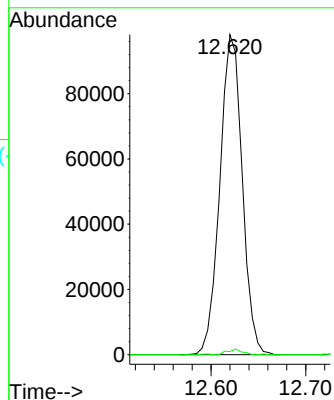
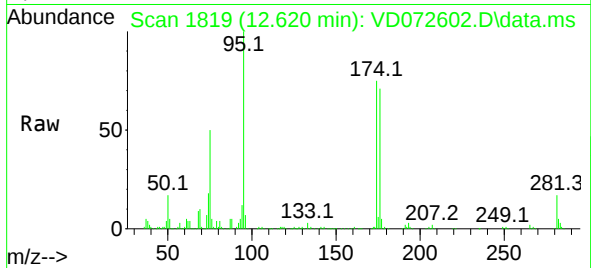




#76
1,2,3-Trichloropropane
Concen: 44.135 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Instrument :
MSVOA_D
ClientSampleId :
SB-3

Tgt Ion: 75 Resp: 161007
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.298 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072602.D
Acq: 18 Apr 2022 17:22

Tgt Ion: 75 Resp: 161007
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.2 33.9 50.9#

