

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072601.D
 Acq On : 18 Apr 2022 16:54
 Operator : VA/SY
 Sample : N2444-02
 Misc : 5.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Apr 19 02:51:36 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	418761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	834911	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	773938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	352397	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	252816	49.907	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.820%
35) Dibromofluoromethane	7.914	113	274443	42.297	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.600%
50) Toluene-d8	10.332	98	991484	43.960	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.920%
62) 4-Bromofluorobenzene	12.620	95	340928	38.705	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.400%

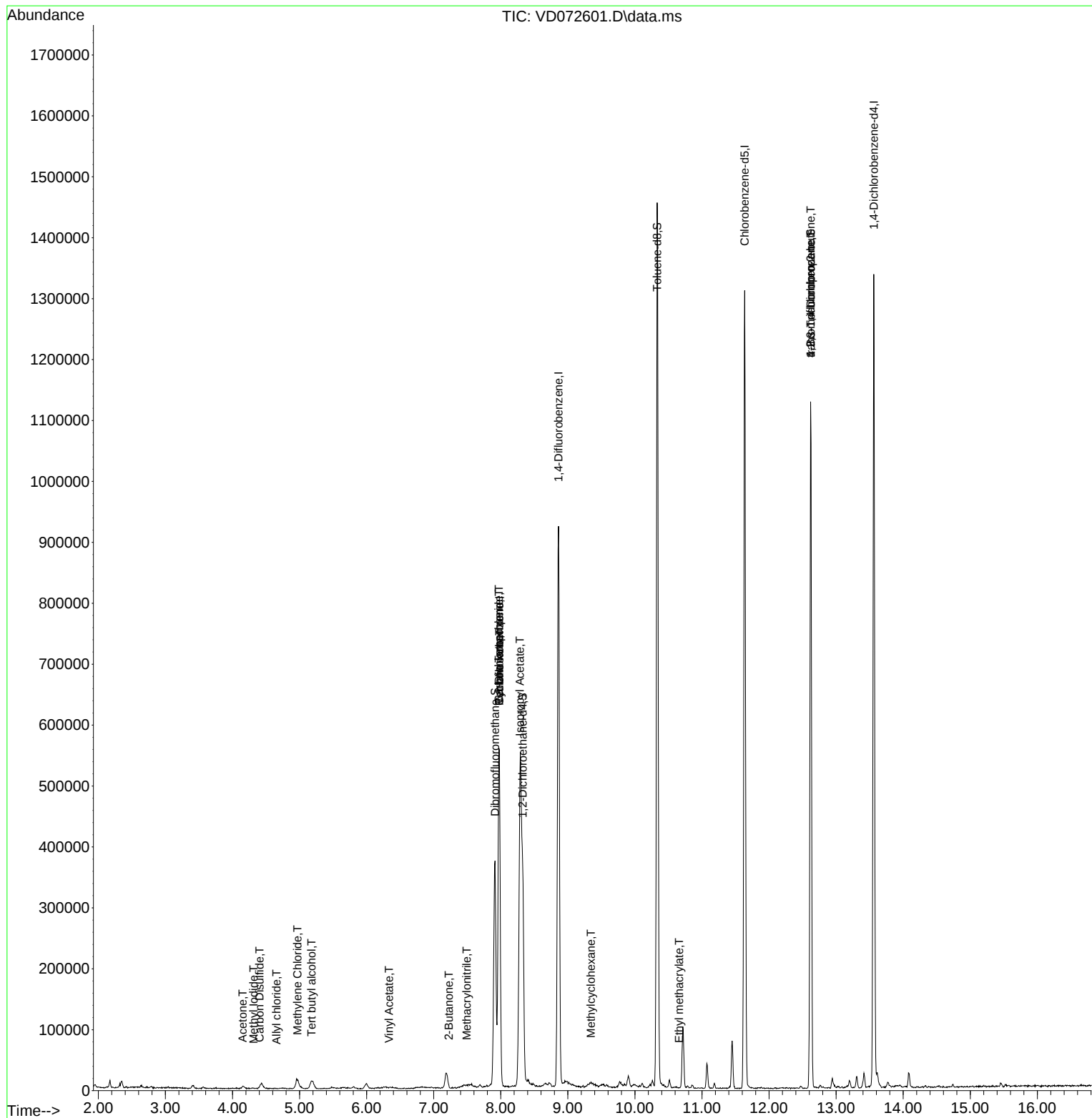
Target Compounds			Qvalue			
10) Methyl Iodide	4.314	142	1196	3.978	ug/l #	60
11) Tert butyl alcohol	5.179	59	7392	27.632	ug/l #	74
14) Allyl chloride	4.656	41	65	1.136	ug/l #	22
16) Acetone	4.150	43	3115	3.298	ug/l	99
17) Carbon Disulfide	4.403	76	2550	3.916	ug/l #	74
20) Methylene Chloride	4.967	84	11236	1.998	ug/l #	82
23) Vinyl Acetate	6.332	43	96	6.300	ug/l #	75
25) 2-Butanone	7.226	43	1820	1.393	ug/l #	52
31) Cyclohexane	7.979	56	9317	1.407	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	34096	5.144	ug/l #	51
38) Carbon Tetrachloride	7.973	117	44644	4.994	ug/l #	18
39) Methylcyclohexane	9.344	83	345	2.910	ug/l #	63
41) Methacrylonitrile	7.491	41	54	1.684	ug/l #	27
43) Isopropyl Acetate	8.285	43	11530	1.748	ug/l #	1
56) Ethyl methacrylate	10.661	69	809	1.319	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	173538	45.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	173538	110.793	ug/l #	7

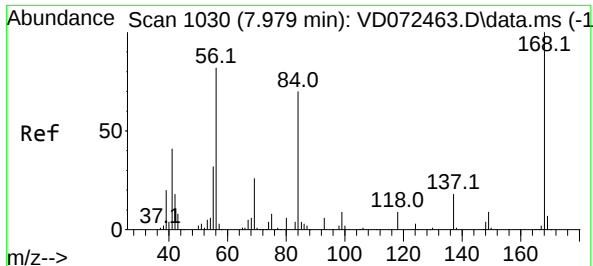
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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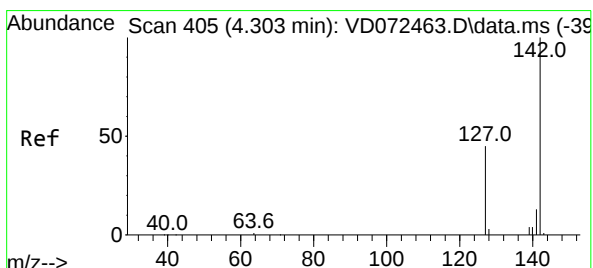
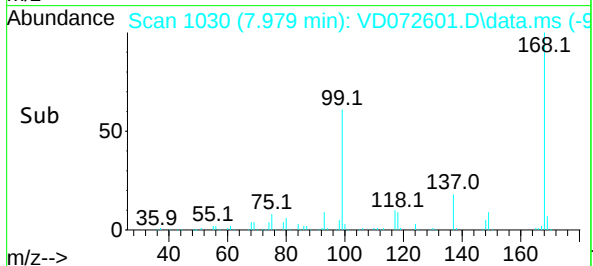
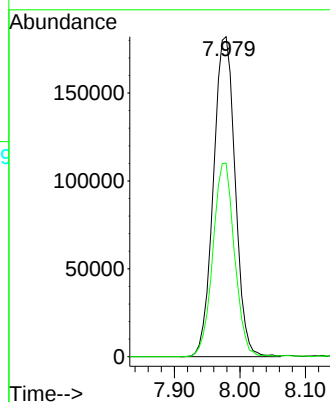
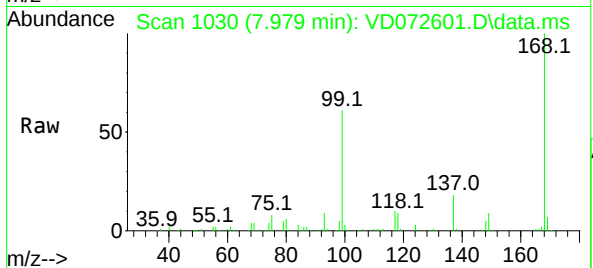




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

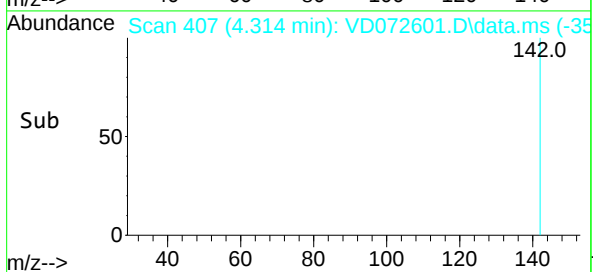
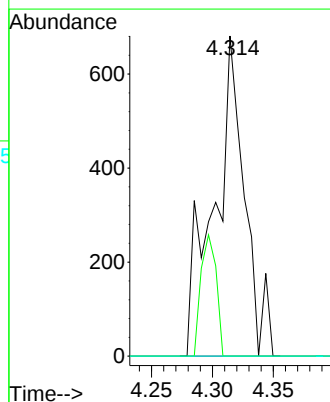
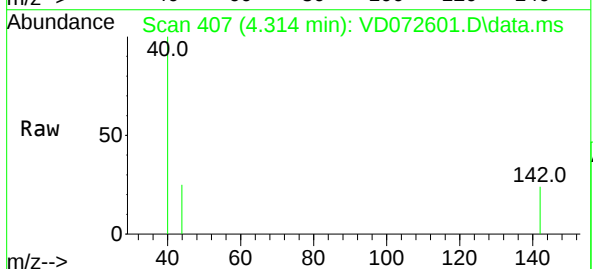
Instrument :
MSVOA_D
ClientSampleId :
SB-2

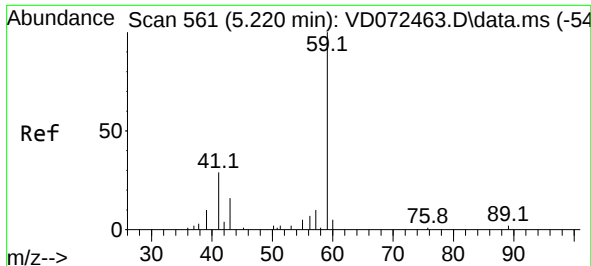
Tgt Ion:168 Resp: 418761
Ion Ratio Lower Upper
168 100
99 60.5 49.8 74.6



#10
Methyl Iodide
Concen: 3.978 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion:142 Resp: 1196
Ion Ratio Lower Upper
142 100
127 18.8 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 27.632 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.041 min

Lab File: VD072601.D

Acq: 18 Apr 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

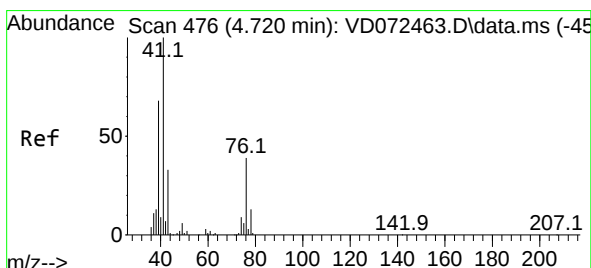
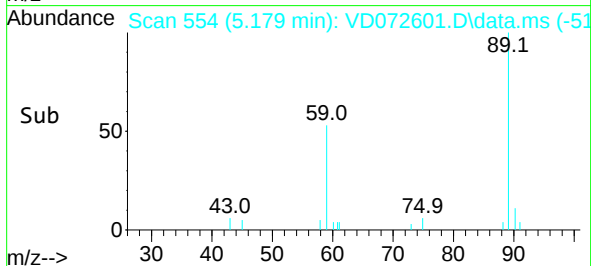
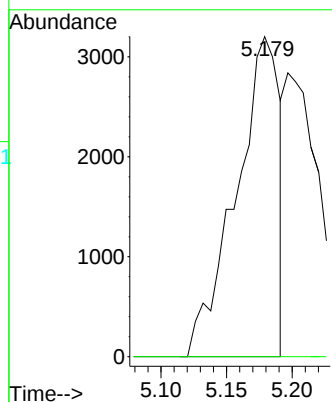
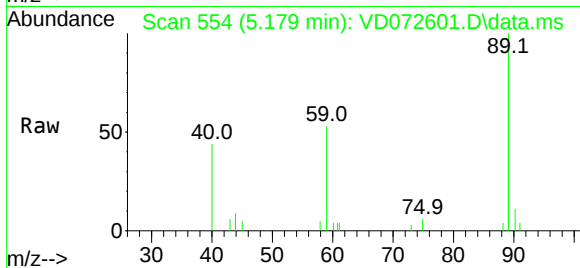
SB-2

Tgt Ion: 59 Resp: 7392

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.136 ug/l

RT: 4.656 min Scan# 465

Delta R.T. -0.064 min

Lab File: VD072601.D

Acq: 18 Apr 2022 16:54

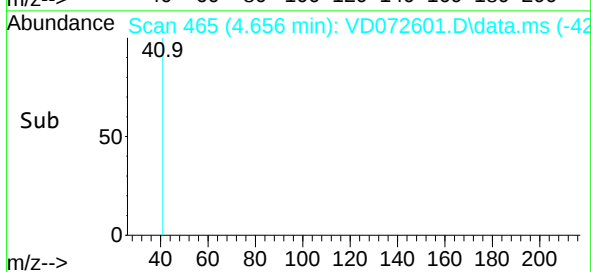
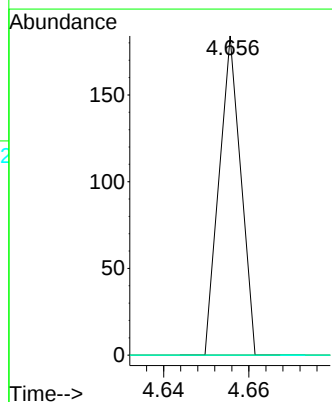
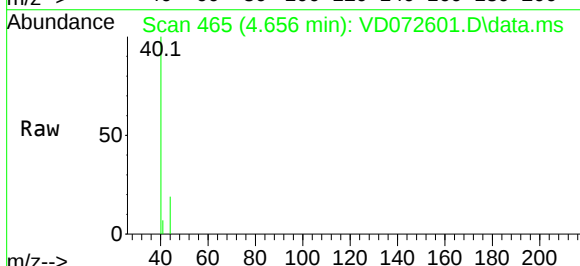
Tgt Ion: 41 Resp: 65

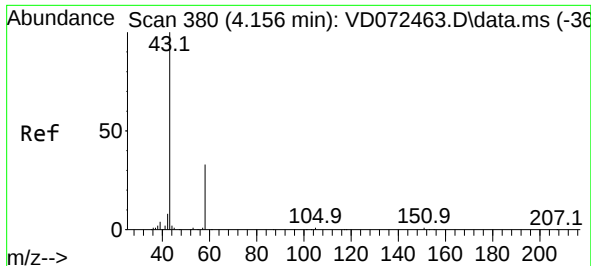
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

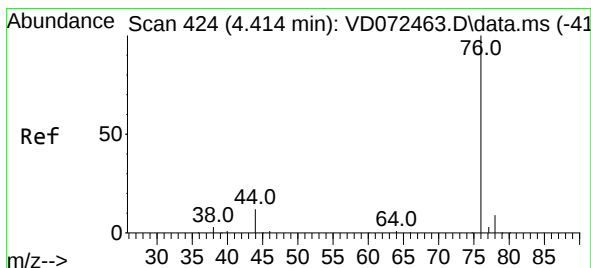
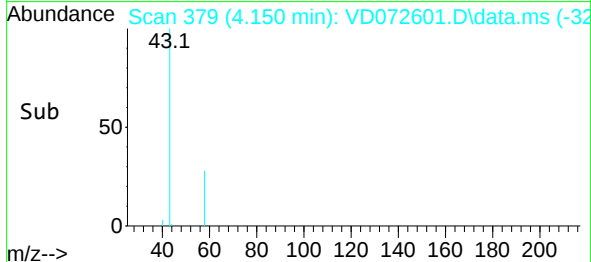
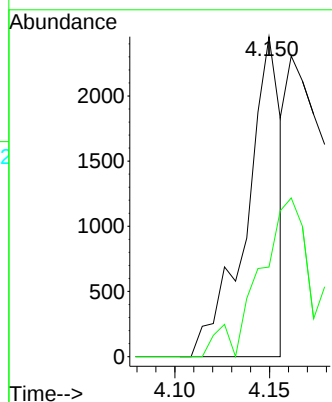
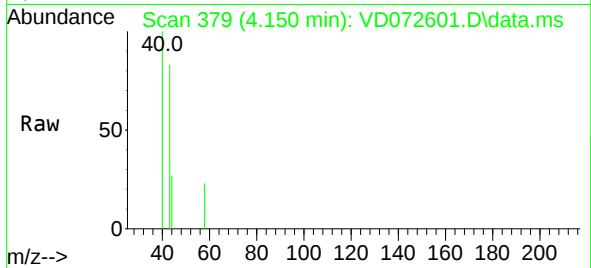




#16
Acetone
Concen: 3.298 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

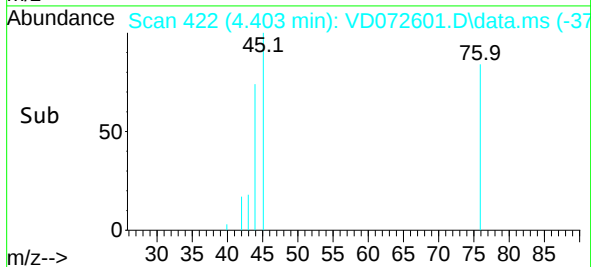
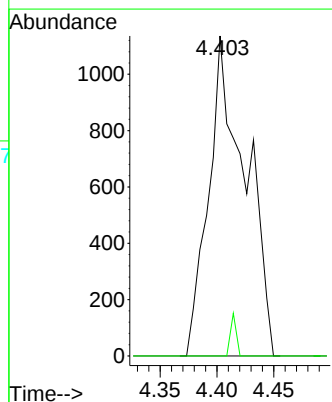
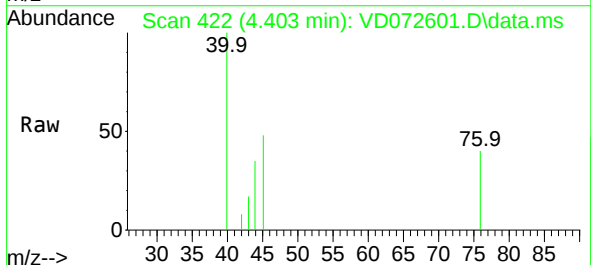
Instrument :
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ClientSampleId :
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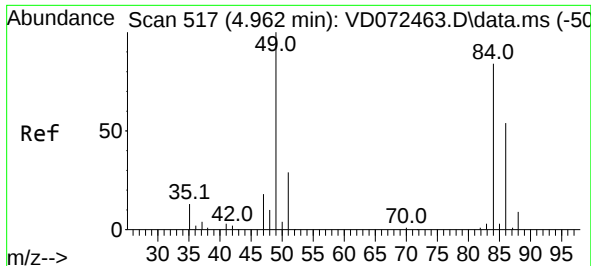
Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
58 28.0 22.1 33.1



#17
Carbon Disulfide
Concen: 3.916 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 76 Resp: 2550
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

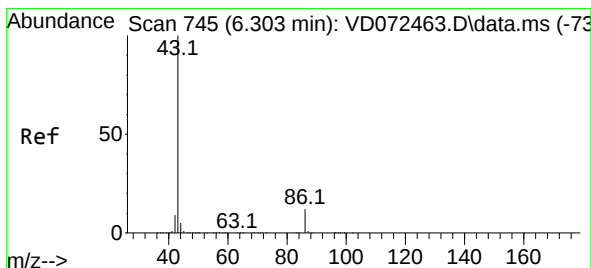
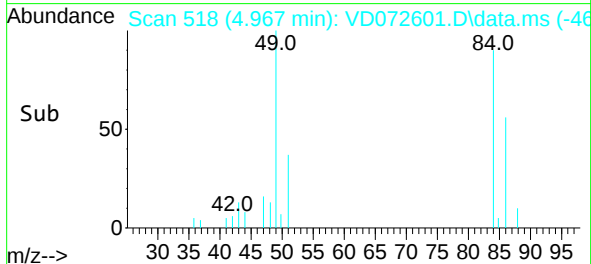
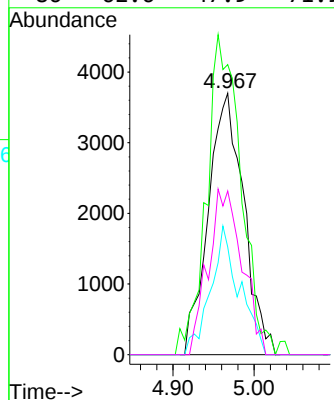
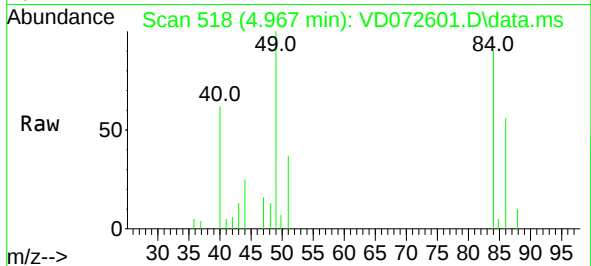




#20
Methylene Chloride
Concen: 1.998 ug/l
RT: 4.967 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

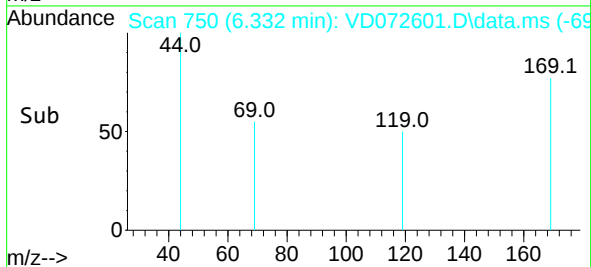
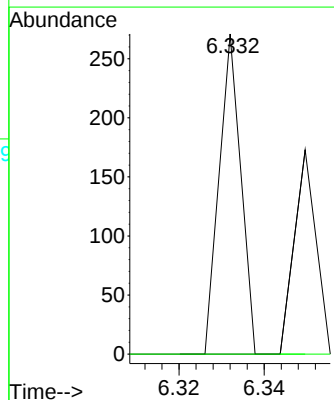
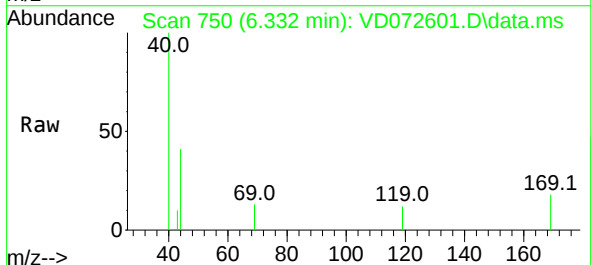
Instrument :
MSVOA_D
ClientSampleId :
SB-2

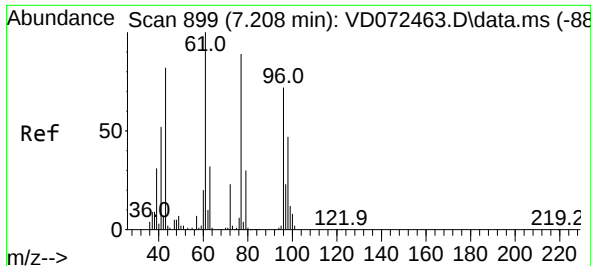
Tgt Ion: 84	Resp: 11236
Ion Ratio	Lower Upper
84 100	
49 105.9	112.8 169.2#
51 41.2	32.6 48.8
86 62.6	47.9 71.9



#23
Vinyl Acetate
Concen: 6.300 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.029 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 43	Resp: 96
Ion Ratio	Lower Upper
43 100	
86 0.0	7.1 10.7#

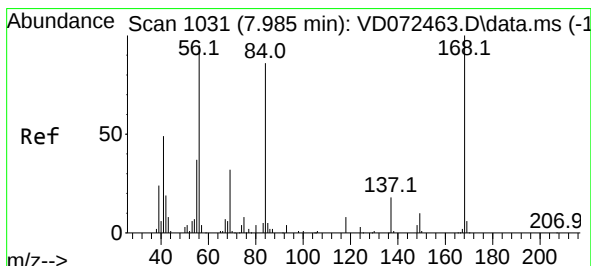
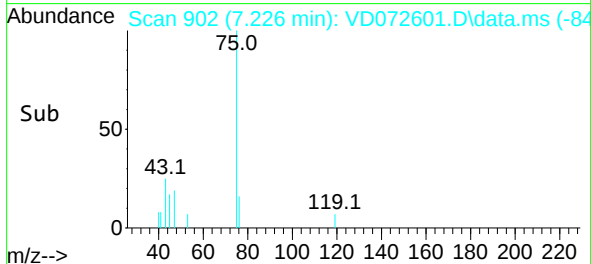
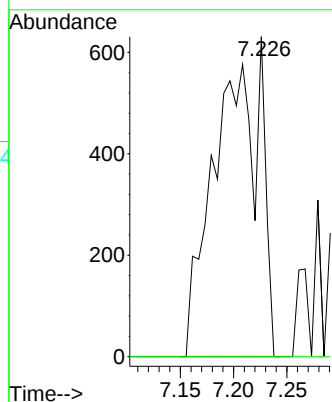
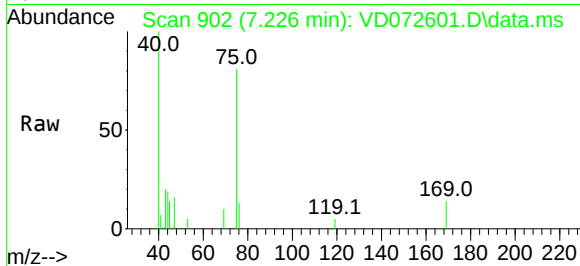




#25
2-Butanone
Concen: 1.393 ug/l
RT: 7.226 min Scan# 90
Delta R.T. 0.018 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

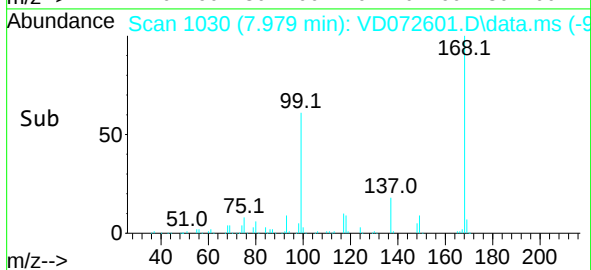
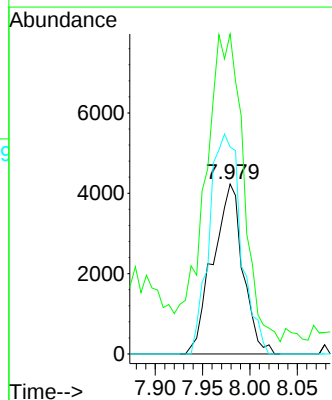
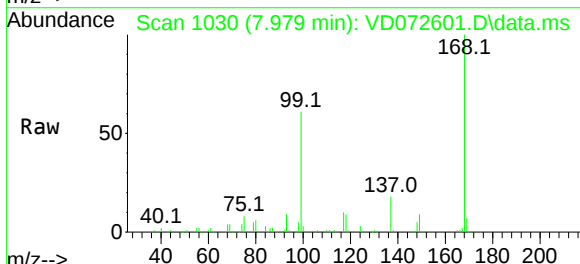
Instrument :
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ClientSampleId :
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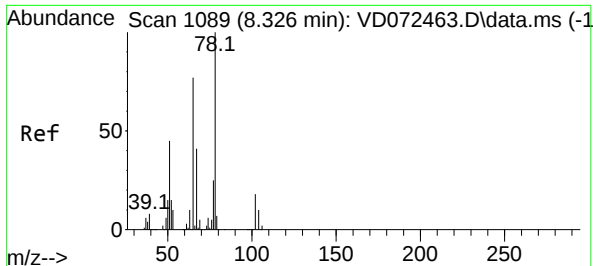
Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 56 Resp: 9317
Ion Ratio Lower Upper
56 100
69 181.1 25.4 38.2#
84 121.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.907 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072601.D

Acq: 18 Apr 2022 16:54

Instrument :

MSVOA_D

ClientSampleId :

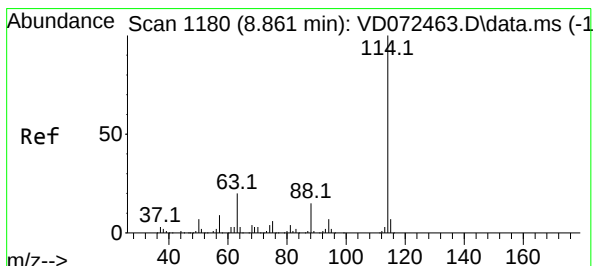
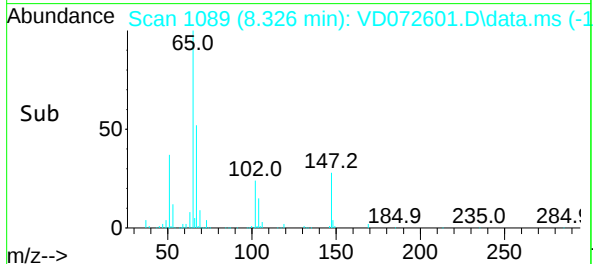
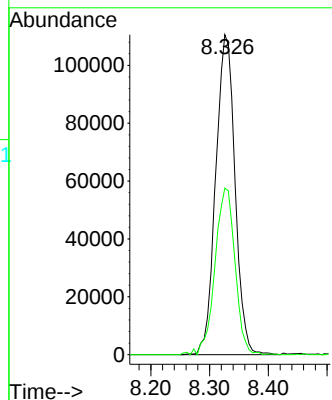
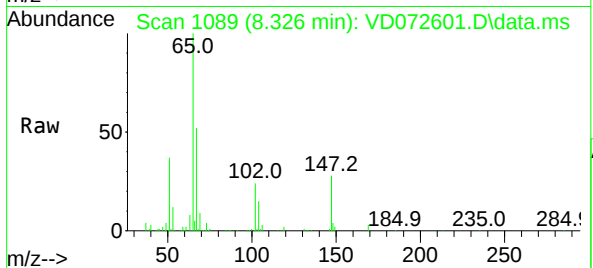
SB-2

Tgt Ion: 65 Resp: 252816

Ion Ratio Lower Upper

65 100

67 54.1 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: VD072601.D

Acq: 18 Apr 2022 16:54

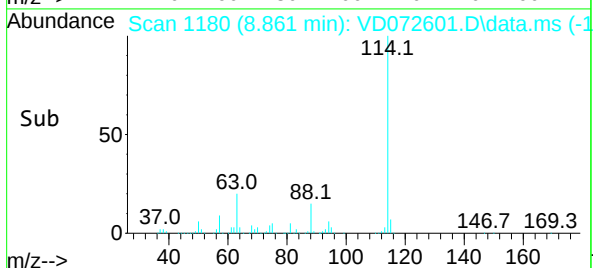
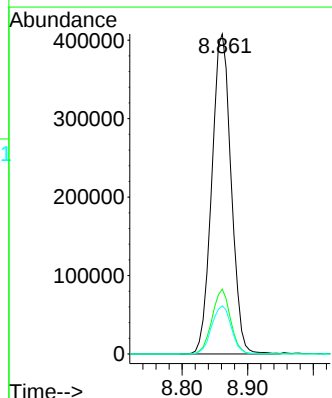
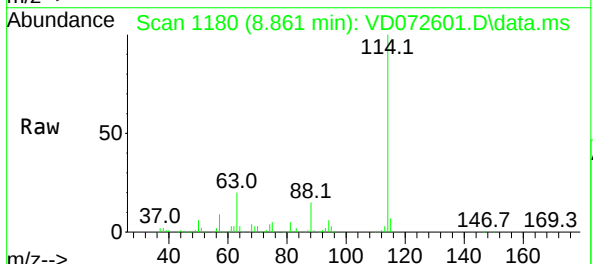
Tgt Ion: 114 Resp: 834911

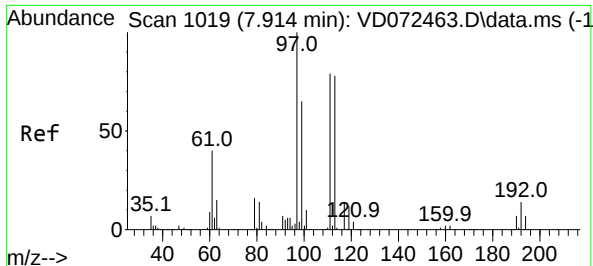
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 15.1 0.0 33.2

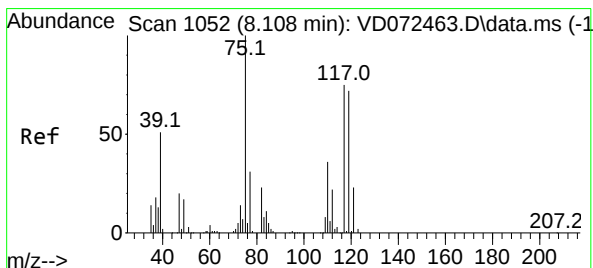
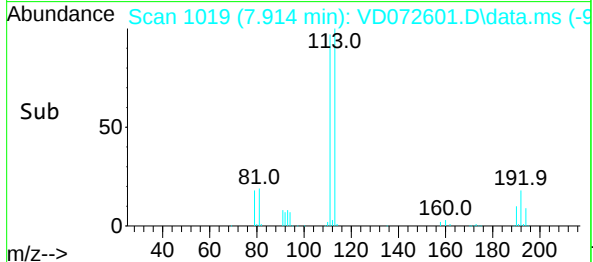
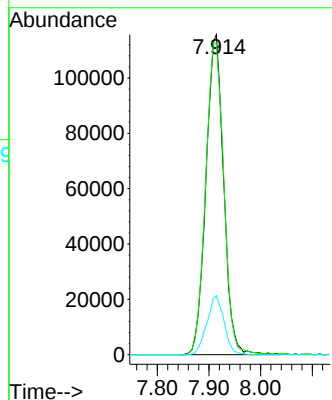
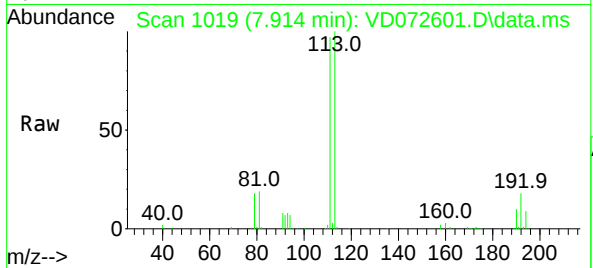




#35
Dibromofluoromethane
Concen: 42.297 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

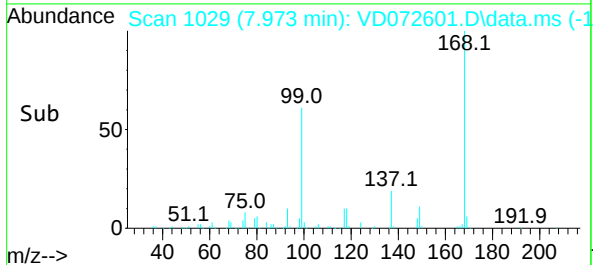
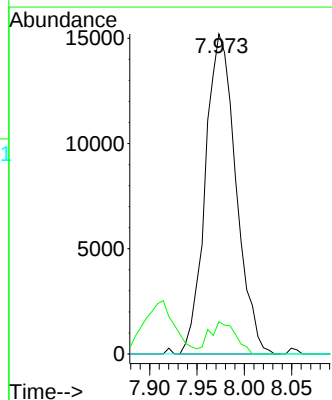
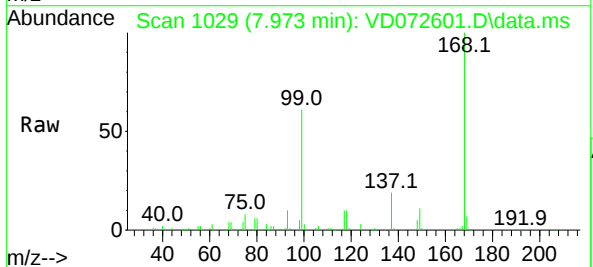
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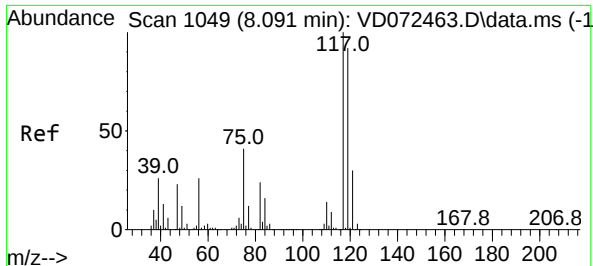
Tgt Ion:113 Resp: 274443
Ion Ratio Lower Upper
113 100
111 100.4 83.8 125.6
192 17.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.144 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 75 Resp: 34096
Ion Ratio Lower Upper
75 100
110 8.6 16.4 49.1#
77 0.0 24.2 36.2#

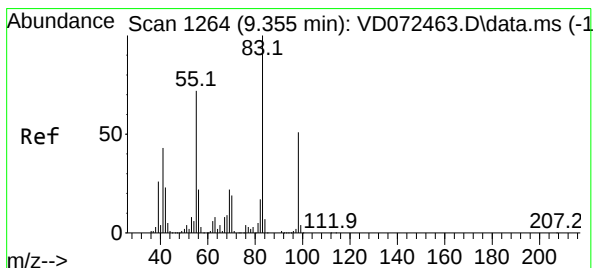
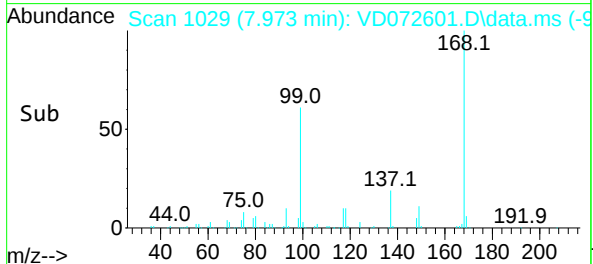
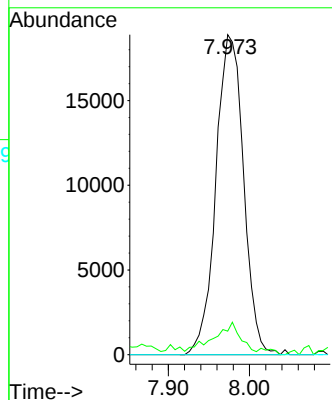
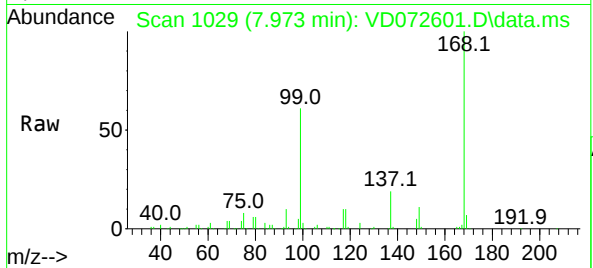




#38
Carbon Tetrachloride
Concen: 4.994 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

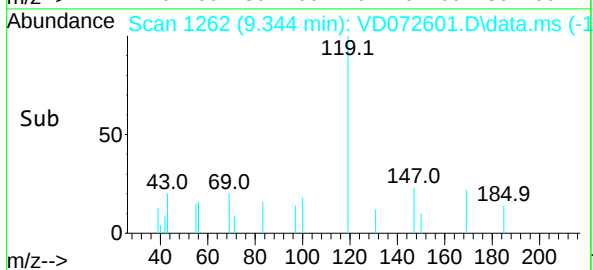
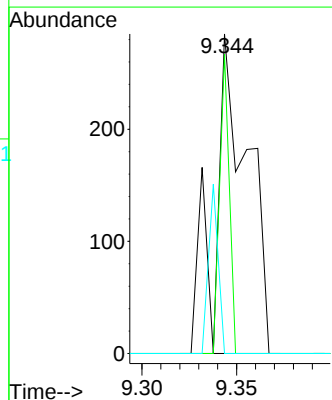
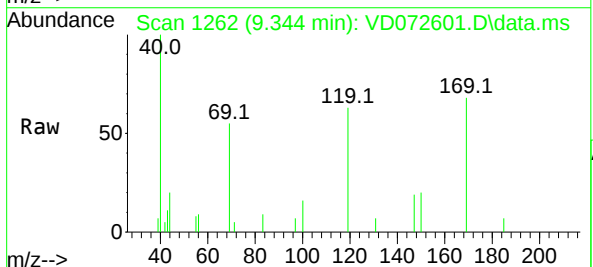
Instrument :
MSVOA_D
ClientSampleId :
SB-2

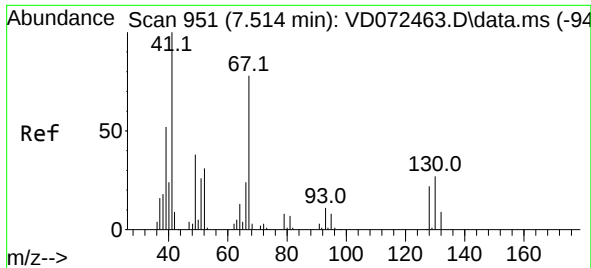
Tgt Ion:117 Resp: 44644
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.910 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.011 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 83 Resp: 345
Ion Ratio Lower Upper
83 100
55 93.7 63.2 94.8
98 0.0 38.2 57.4#

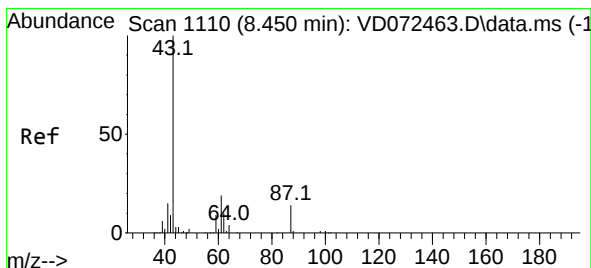
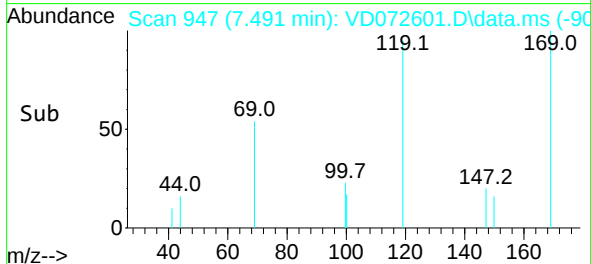
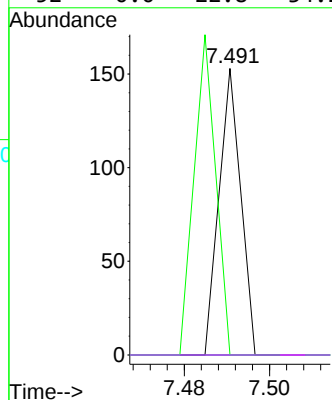
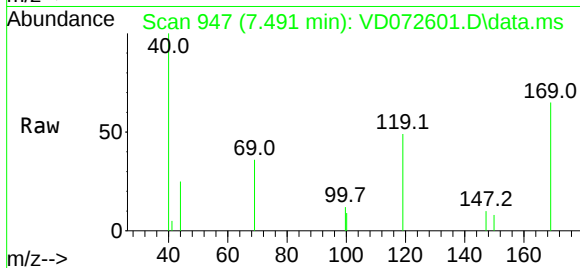




#41
Methacrylonitrile
Concen: 1.684 ug/l
RT: 7.491 min Scan# 941
Delta R.T. -0.023 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

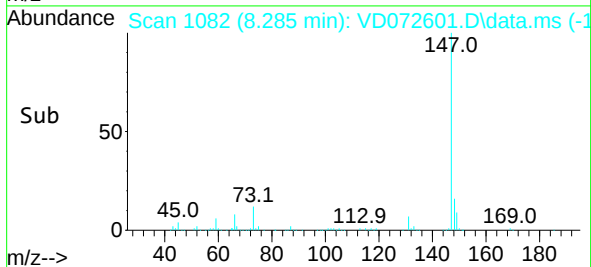
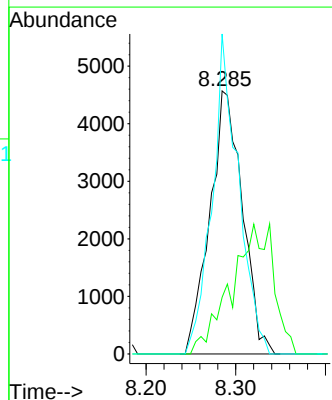
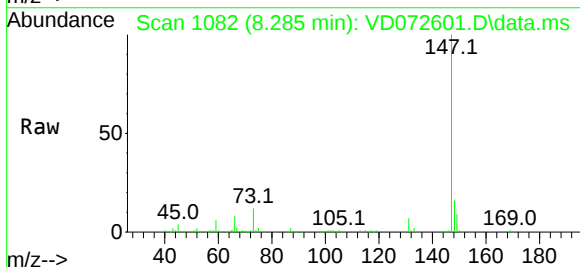
Instrument :
MSVOA_D
ClientSampleId :
SB-2

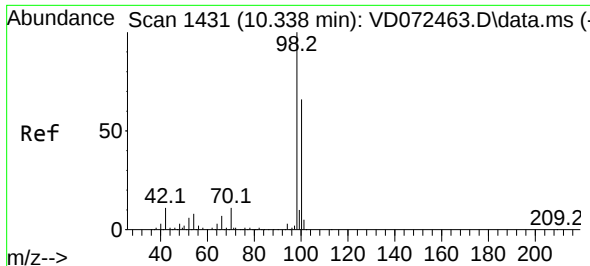
Tgt Ion: 41	Resp: 54
Ion Ratio	Lower Upper
41 100	
39 111.1	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 1.748 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 43	Resp: 11530
Ion Ratio	Lower Upper
43 100	
61 0.0	22.4 33.6#
87 98.0	8.7 13.1#

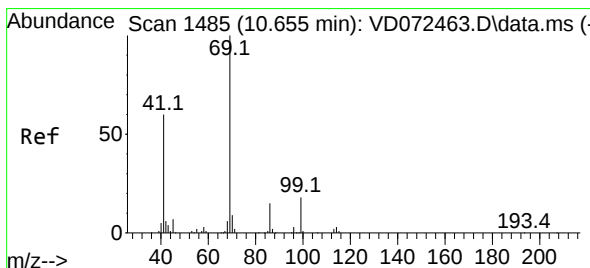
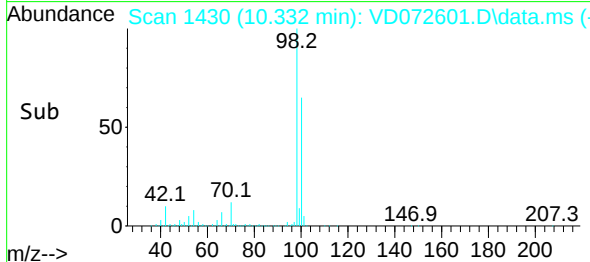
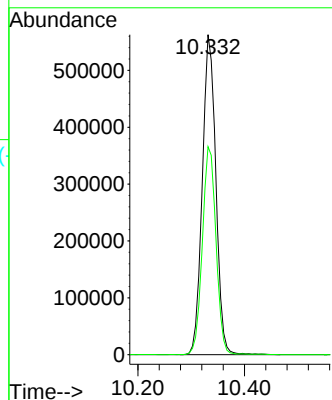
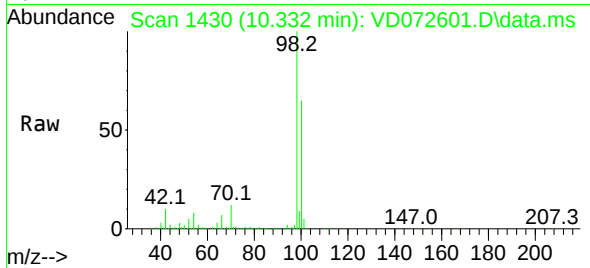




#50
Toluene-d8
Concen: 43.960 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

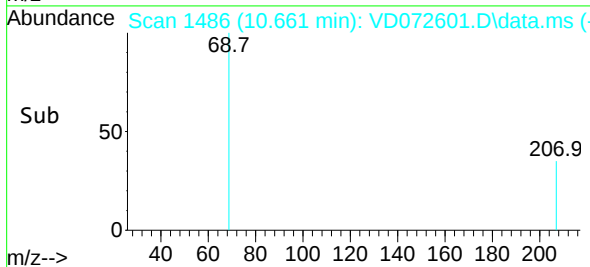
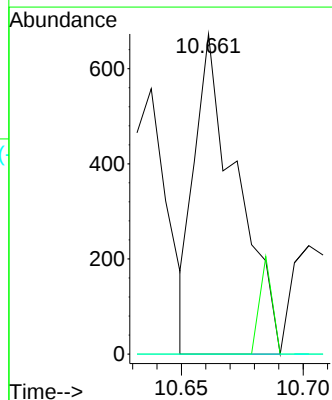
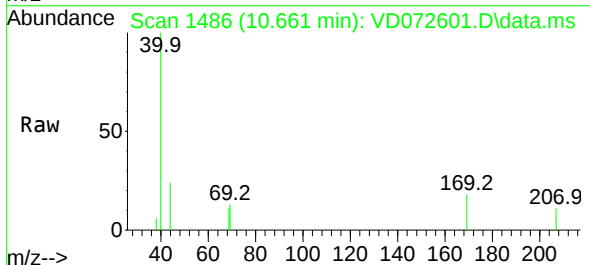
Instrument :
MSVOA_D
ClientSampleId :
SB-2

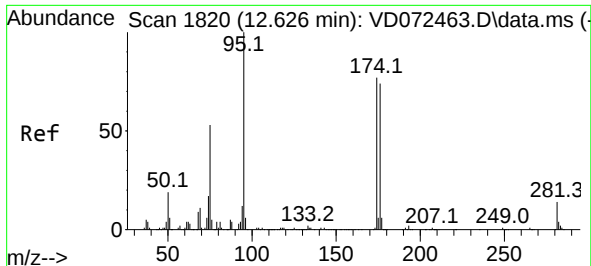
Tgt Ion: 98 Resp: 991484
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.319 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 69 Resp: 809
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

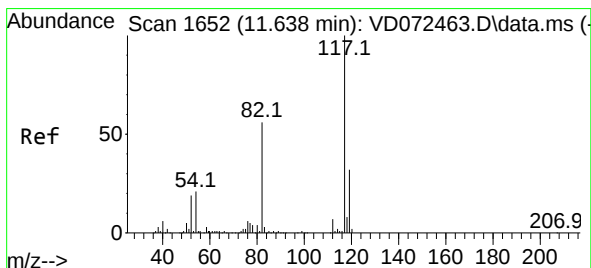
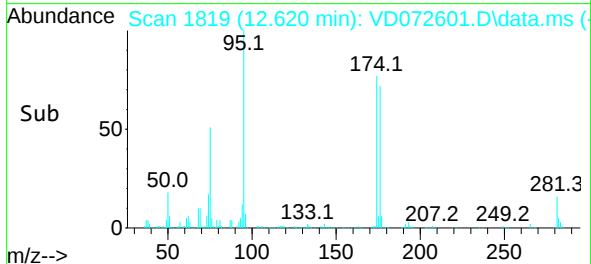
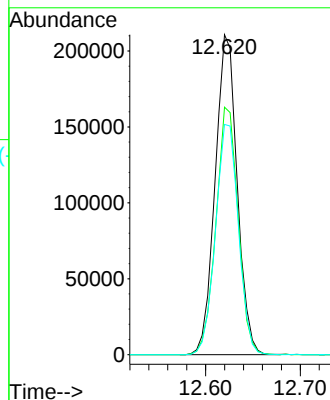
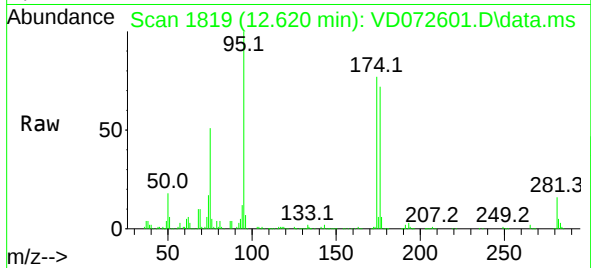




#62
4-Bromofluorobenzene
Concen: 38.705 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

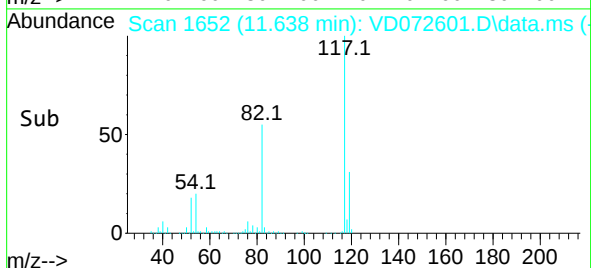
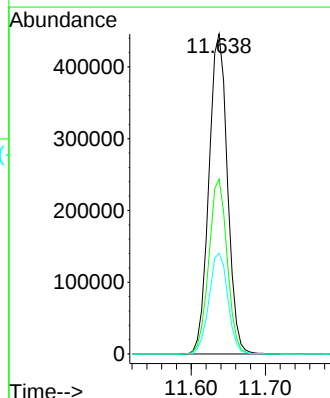
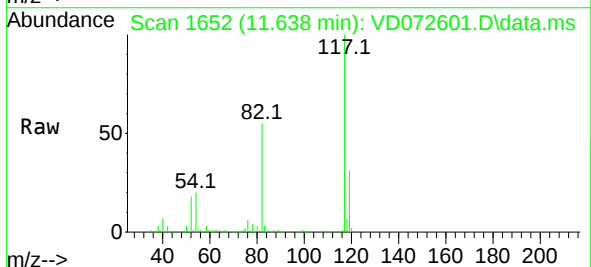
Instrument :
MSVOA_D
ClientSampleId :
SB-2

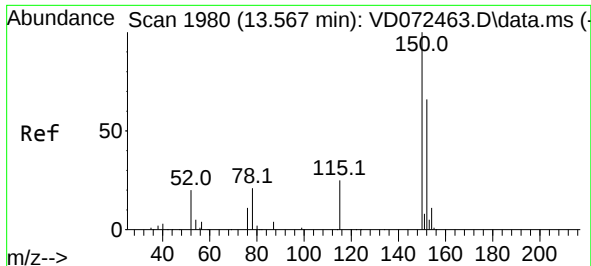
Tgt Ion: 95 Resp: 340928
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.8
176 74.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072601.D
Acq: 18 Apr 2022 16:54

Tgt Ion: 117 Resp: 773938
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 31.4 26.6 40.0

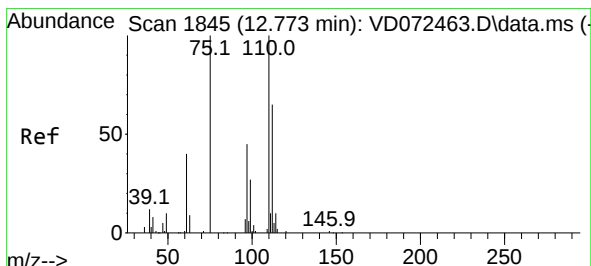
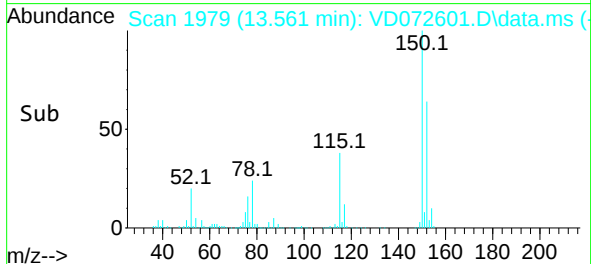
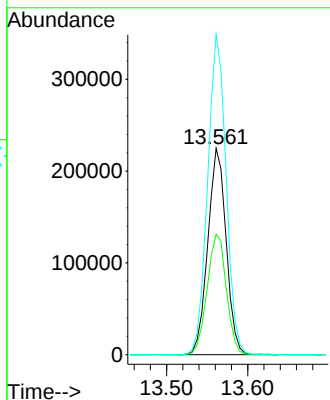
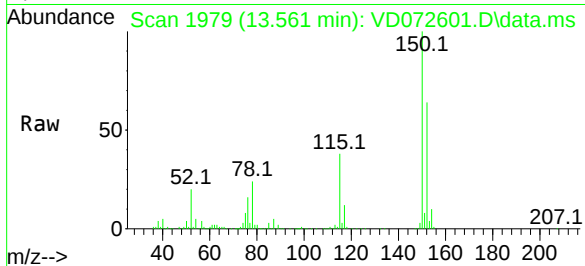




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072601.D
 Acq: 18 Apr 2022 16:54

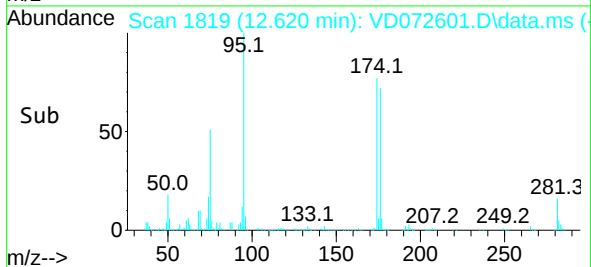
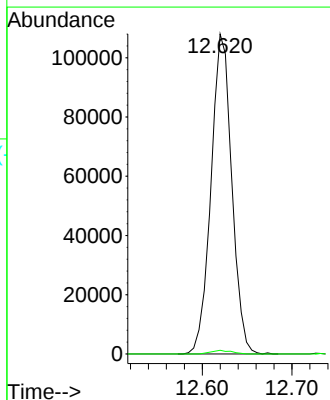
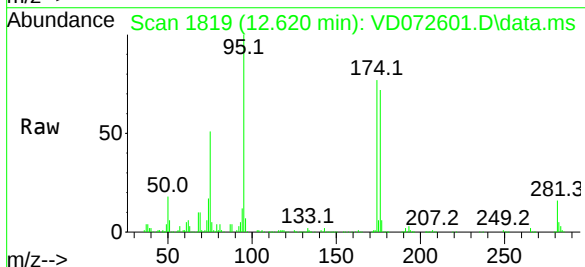
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

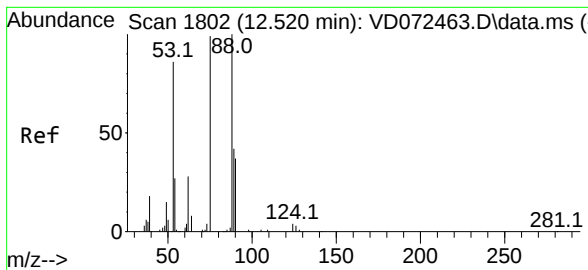
Tgt Ion:152 Resp: 352397
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.3 93.8
 150 155.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.151 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072601.D
 Acq: 18 Apr 2022 16:54

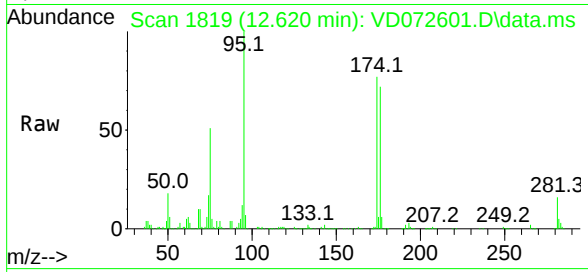
Tgt Ion: 75 Resp: 173538
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.793 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072601.D
 Acq: 18 Apr 2022 16:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2



Tgt Ion: 75 Resp: 173538
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.1 33.9 50.9#

