

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072605.D
 Acq On : 18 Apr 2022 18:47
 Operator : VA/SY
 Sample : N2444-07
 Misc : 5.40G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6

Quant Time: Apr 19 02:52:30 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	408279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	827870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	799802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	358451	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260652	52.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.560%
35) Dibromofluoromethane	7.908	113	269890	41.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.900%
50) Toluene-d8	10.332	98	1000265	44.727	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.460%
62) 4-Bromofluorobenzene	12.620	95	350208	40.097	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	80.200%

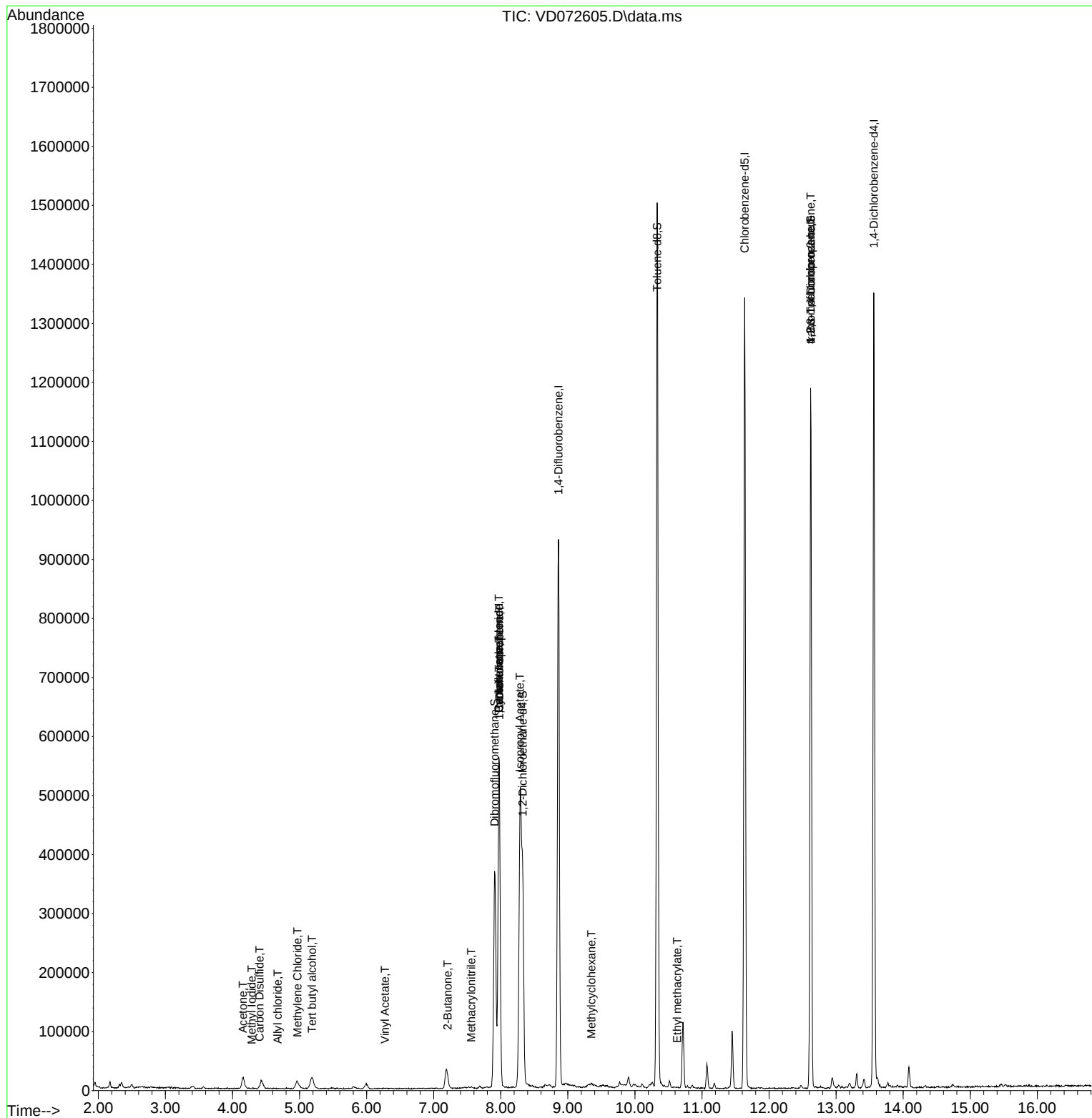
Target Compounds					Qvalue	
10) Methyl Iodide	4.285	142	715	3.882	ug/l #	47
11) Tert butyl alcohol	5.185	59	19163	73.472	ug/l #	75
14) Allyl chloride	4.673	41	73	1.138	ug/l #	22
16) Acetone	4.155	43	34372	37.322	ug/l #	89
17) Carbon Disulfide	4.402	76	4508	4.152	ug/l #	74
20) Methylene Chloride	4.967	84	10027	1.829	ug/l #	79
23) Vinyl Acetate	6.273	43	56	6.296	ug/l #	75
25) 2-Butanone	7.208	43	11023	8.654	ug/l	95
31) Cyclohexane	7.973	56	8610	1.333	ug/l #	23
36) 1,1-Dichloropropene	7.979	75	33888	5.153	ug/l #	51
38) Carbon Tetrachloride	7.973	117	43187	4.872	ug/l #	17
39) Methylcyclohexane	9.349	83	316	2.908	ug/l #	45
41) Methacrylonitrile	7.561	41	154	1.733	ug/l #	27
43) Isopropyl Acetate	8.285	43	10795	1.651	ug/l #	1
56) Ethyl methacrylate	10.631	69	553	1.279	ug/l #	26
76) 1,2,3-Trichloropropane	12.620	75	176536	45.156	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	176536	110.804	ug/l #	7

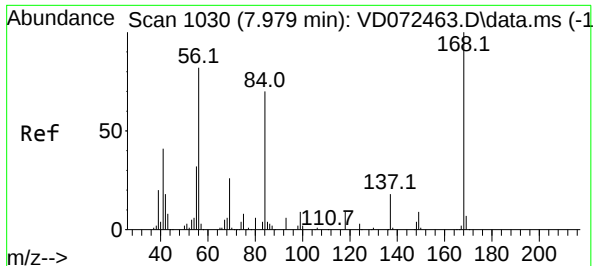
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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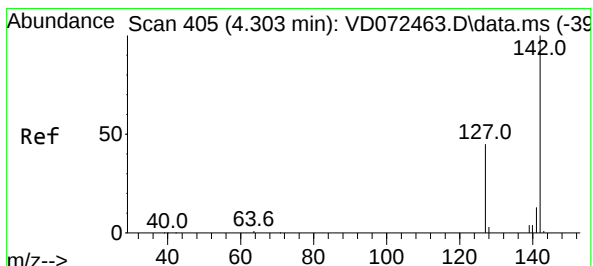
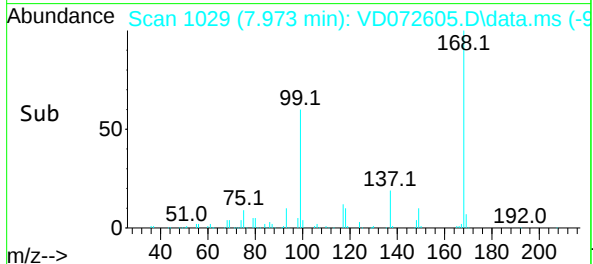
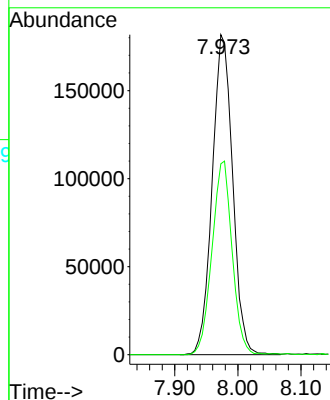
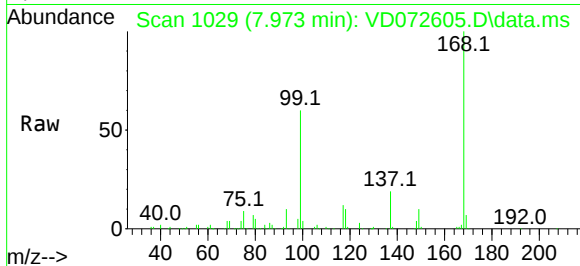




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

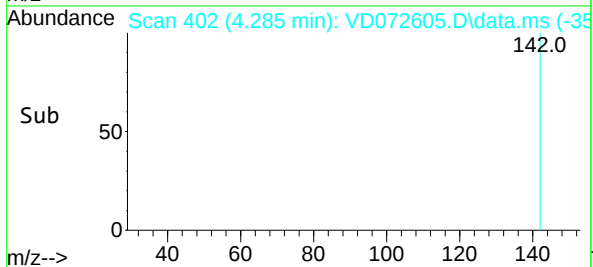
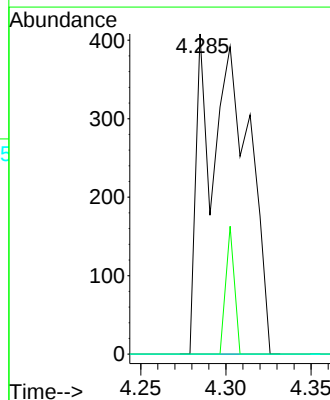
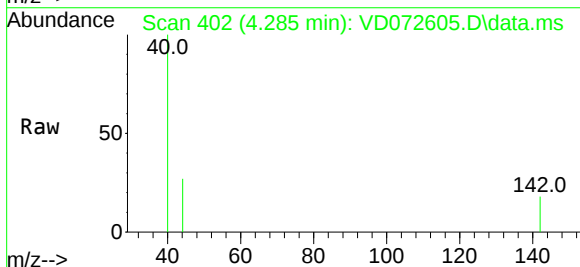
Instrument :
MSVOA_D
ClientSampleId :
SB-6

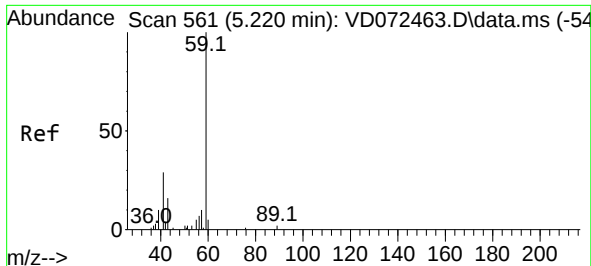
Tgt Ion:168 Resp: 408279
Ion Ratio Lower Upper
168 100
99 59.7 49.8 74.6



#10
Methyl Iodide
Concen: 3.882 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion:142 Resp: 715
Ion Ratio Lower Upper
142 100
127 8.1 37.3 55.9#
141 0.0 11.7 17.5#

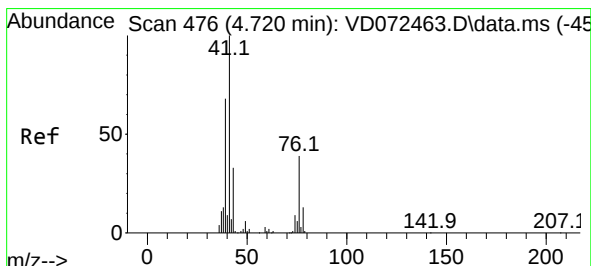
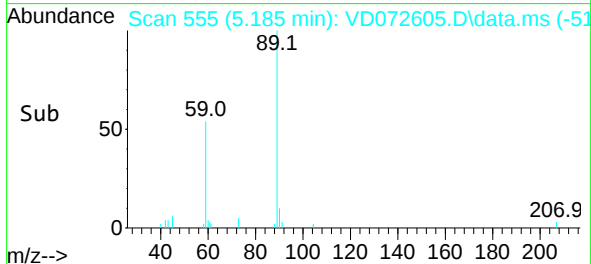
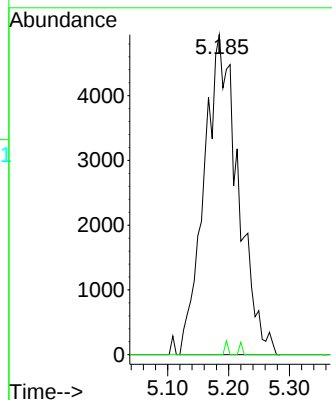
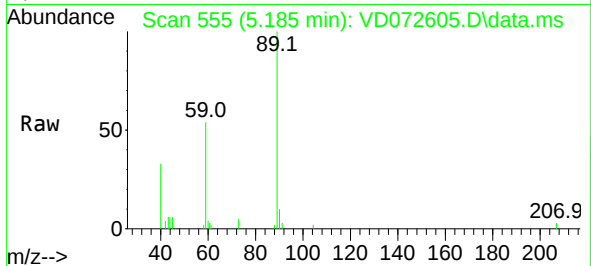




#11
Tert butyl alcohol
Concen: 73.472 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

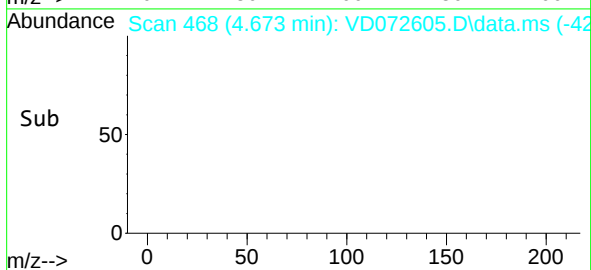
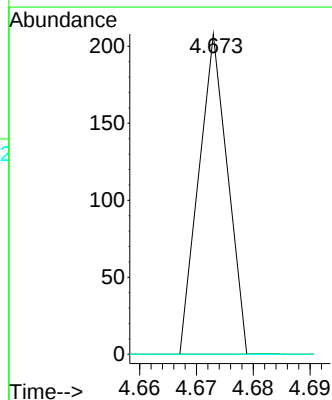
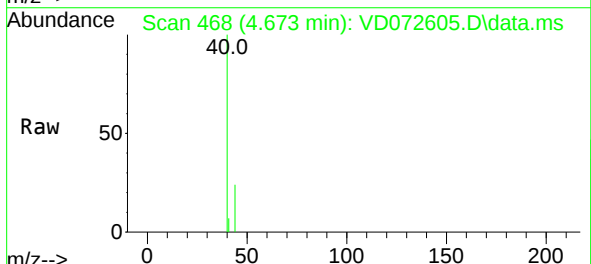
Instrument :
MSVOA_D
ClientSampleId :
SB-6

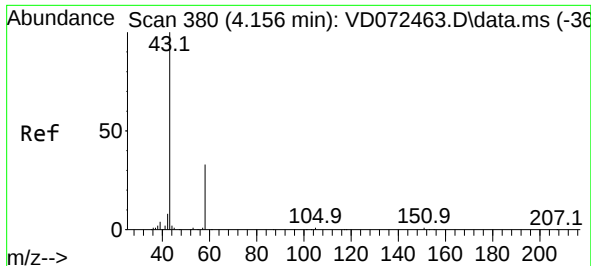
Tgt Ion: 59 Resp: 19163
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.6#



#14
Allyl chloride
Concen: 1.138 ug/l
RT: 4.673 min Scan# 468
Delta R.T. -0.047 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 41 Resp: 73
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

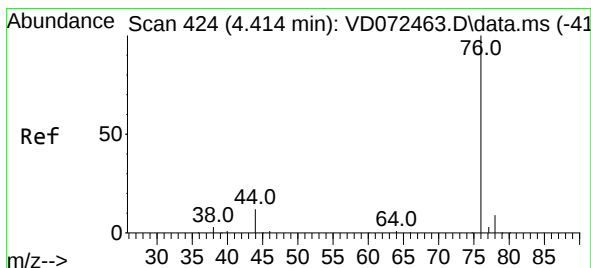
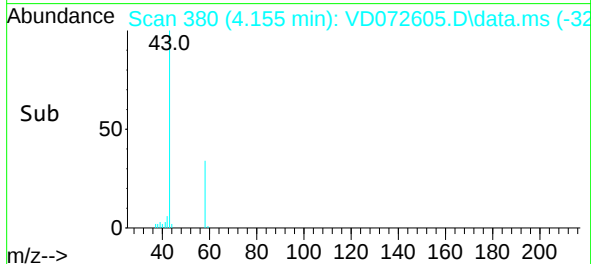
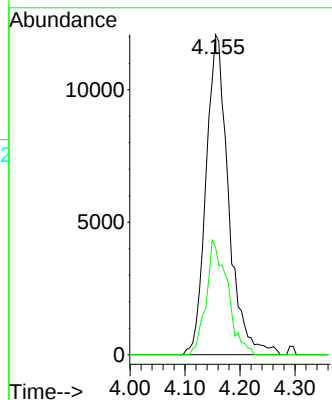
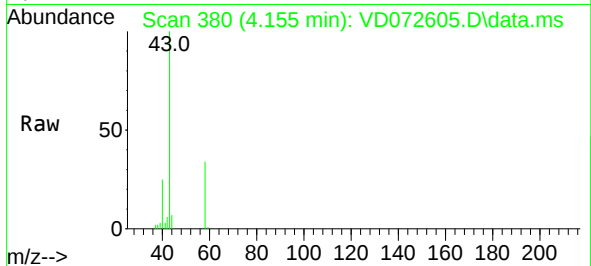




#16
Acetone
Concen: 37.322 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

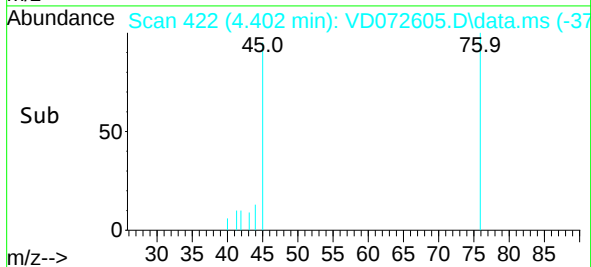
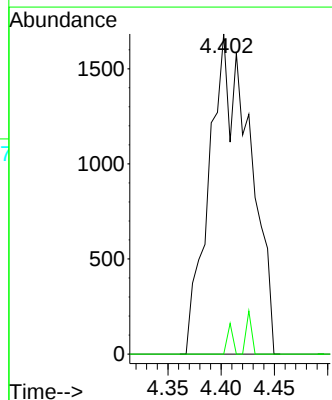
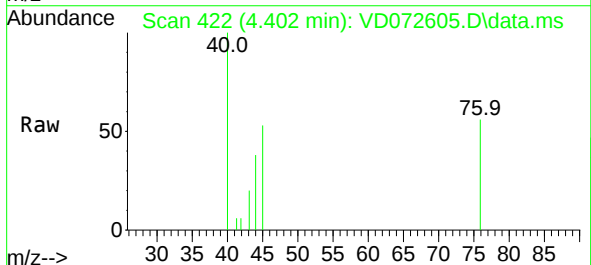
Instrument :
MSVOA_D
ClientSampleId :
SB-6

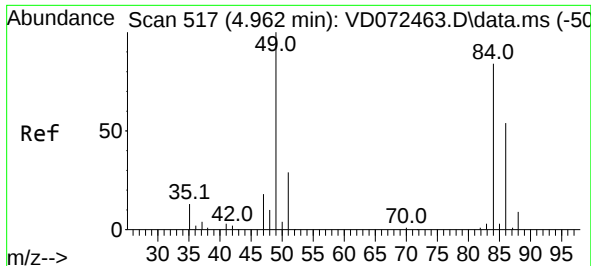
Tgt Ion: 43 Resp: 34372
Ion Ratio Lower Upper
43 100
58 33.5 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.152 ug/l
RT: 4.402 min Scan# 422
Delta R.T. -0.012 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 76 Resp: 4508
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

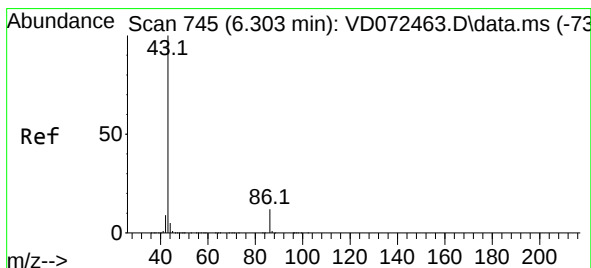
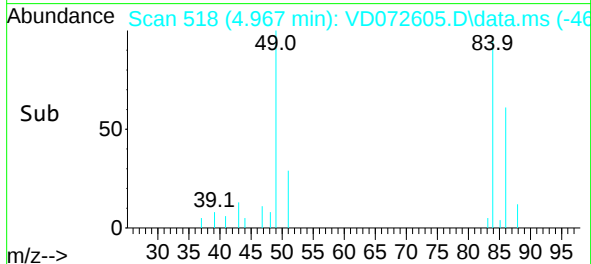
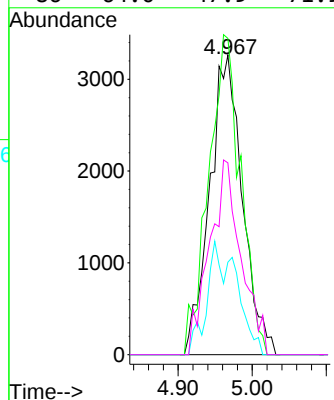
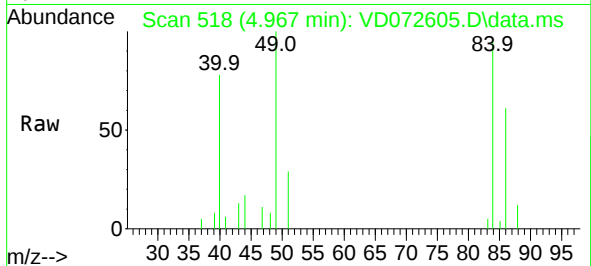




#20
Methylene Chloride
Concen: 1.829 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

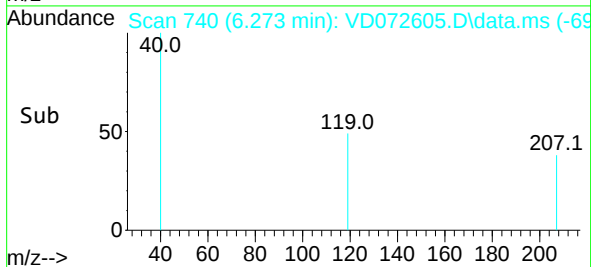
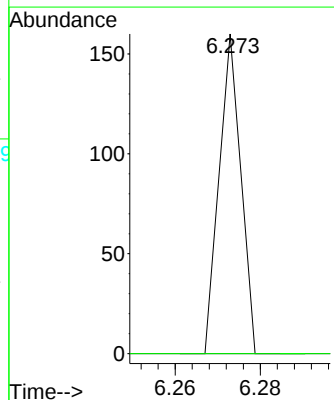
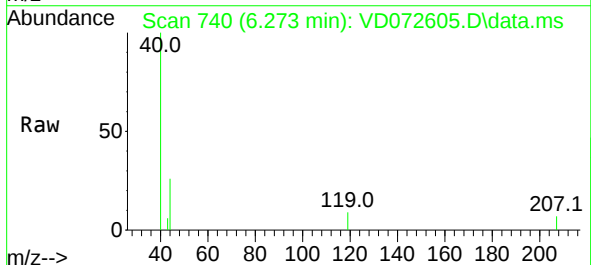
Instrument :
MSVOA_D
ClientSampleId :
SB-6

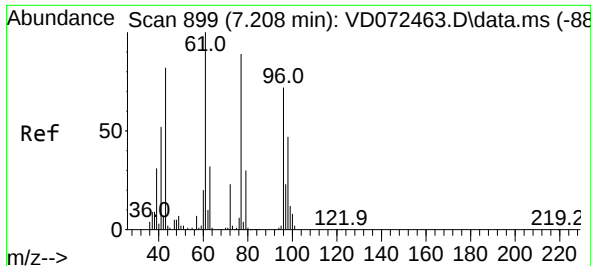
Tgt Ion: 84	Resp: 10027
Ion Ratio	Lower Upper
84 100	
49 105.5	112.8 169.2#
51 30.9	32.6 48.8#
86 64.0	47.9 71.9



#23
Vinyl Acetate
Concen: 6.296 ug/l
RT: 6.273 min Scan# 740
Delta R.T. -0.030 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 43	Resp: 56		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

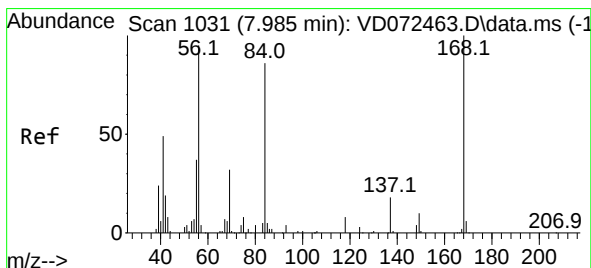
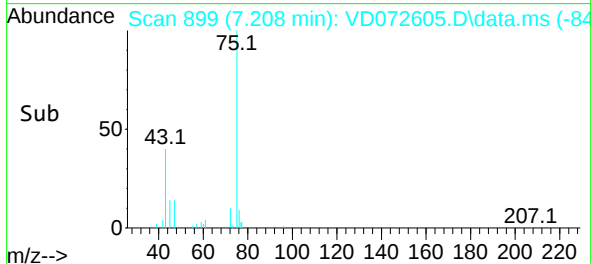
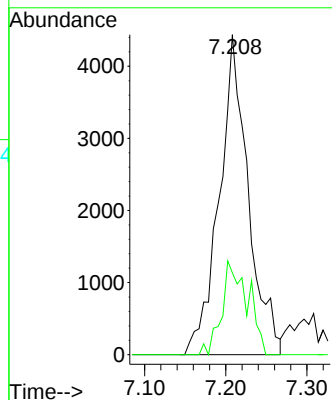
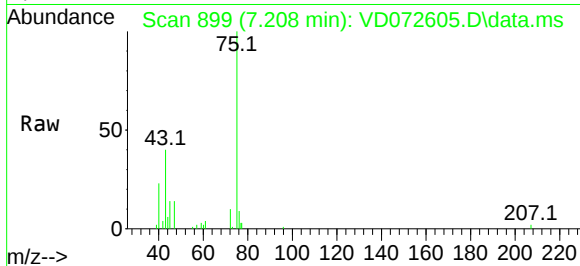




#25
2-Butanone
Concen: 8.654 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

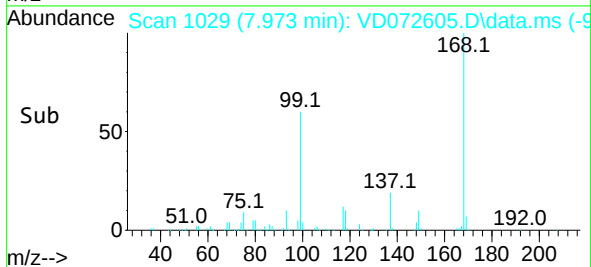
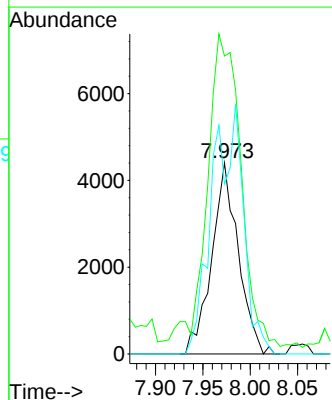
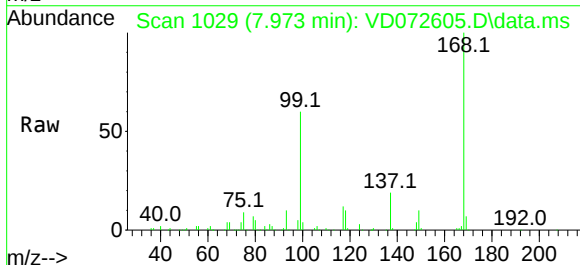
Instrument :
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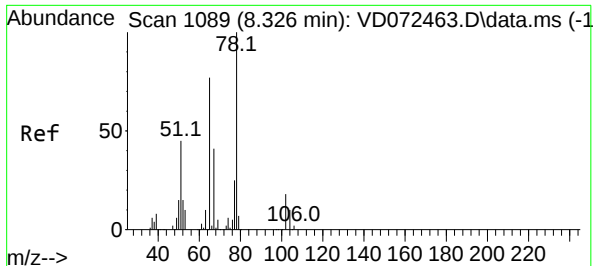
Tgt Ion: 43 Resp: 11023
Ion Ratio Lower Upper
43 100
72 25.6 18.6 27.8



#31
Cyclohexane
Concen: 1.333 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 56 Resp: 8610
Ion Ratio Lower Upper
56 100
69 152.0 25.4 38.2#
84 97.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.775 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072605.D

Acq: 18 Apr 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

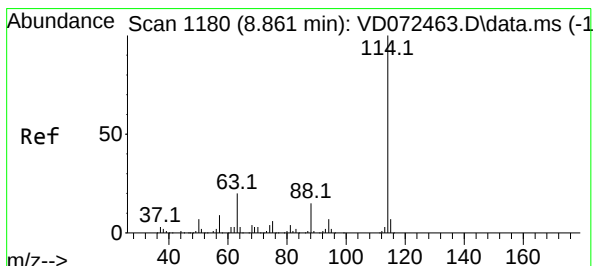
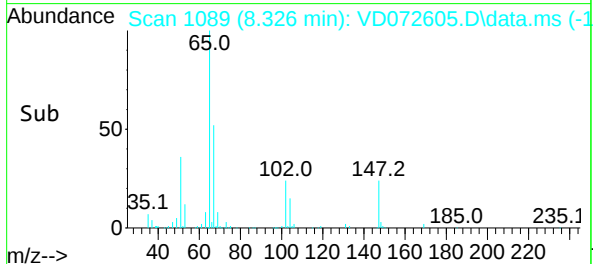
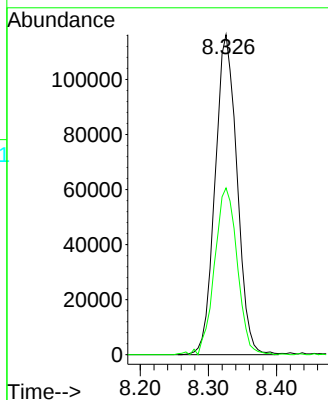
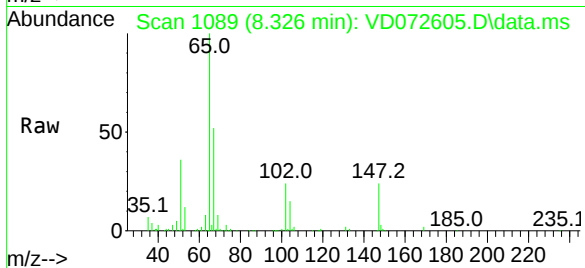
SB-6

Tgt Ion: 65 Resp: 260652

Ion Ratio Lower Upper

65 100

67 53.7 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: VD072605.D

Acq: 18 Apr 2022 18:47

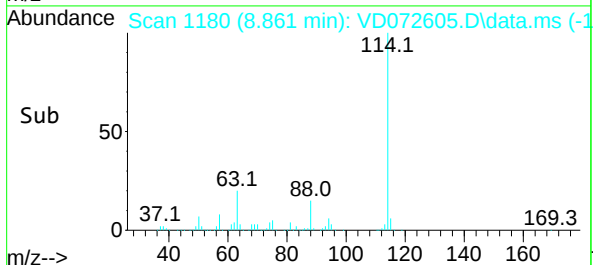
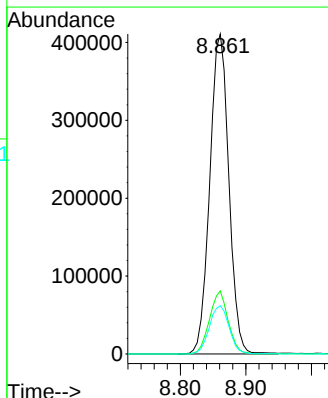
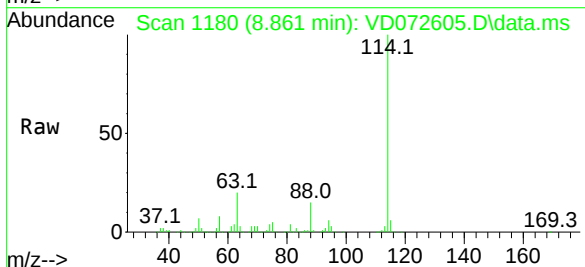
Tgt Ion: 114 Resp: 827870

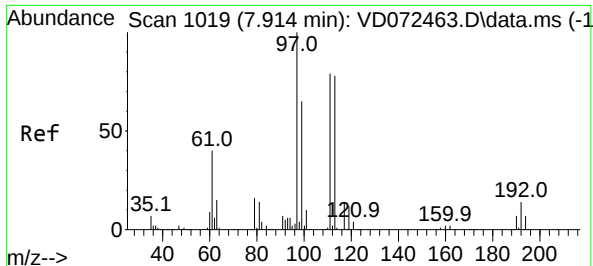
Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.949 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072605.D

Acq: 18 Apr 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

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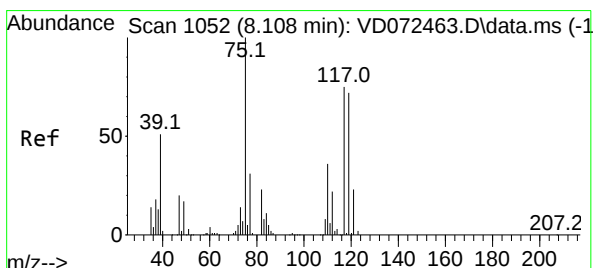
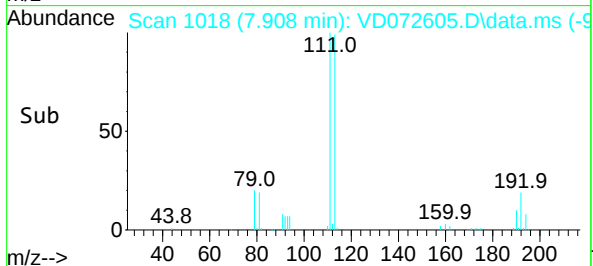
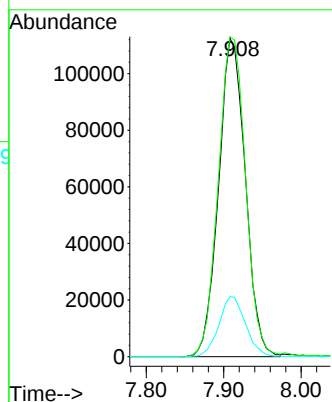
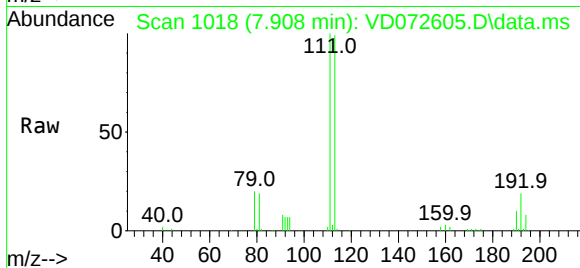
Tgt Ion:113 Resp: 269890

Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.8 14.6 21.8



#36

1,1-Dichloropropene

Concen: 5.153 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072605.D

Acq: 18 Apr 2022 18:47

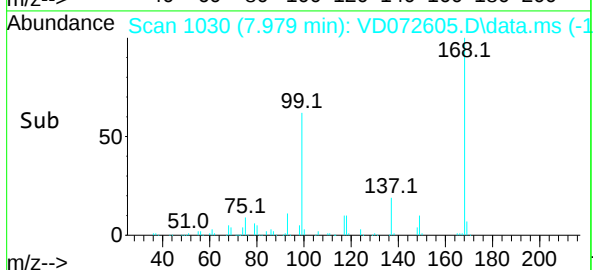
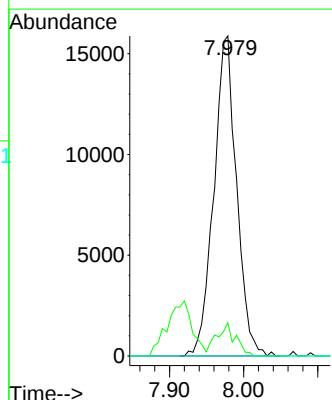
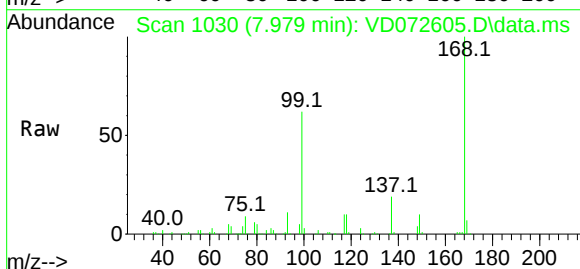
Tgt Ion: 75 Resp: 33888

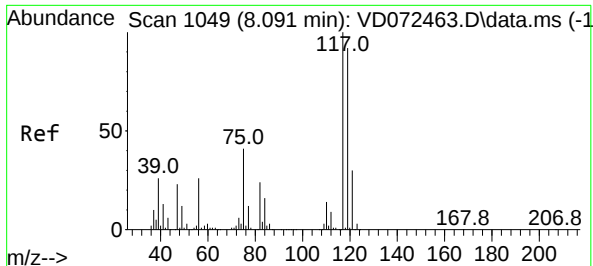
Ion Ratio Lower Upper

75 100

110 8.6 16.4 49.1#

77 0.0 24.2 36.2#

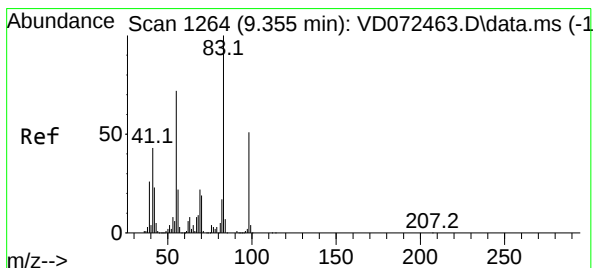
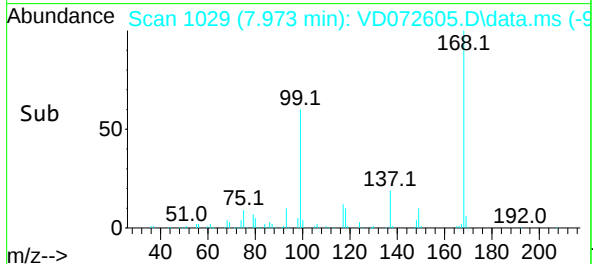
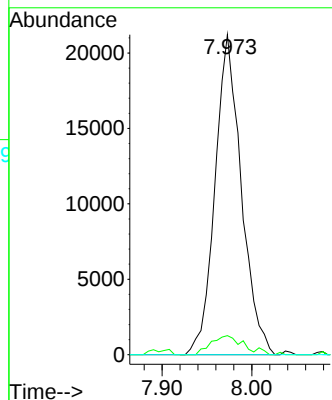
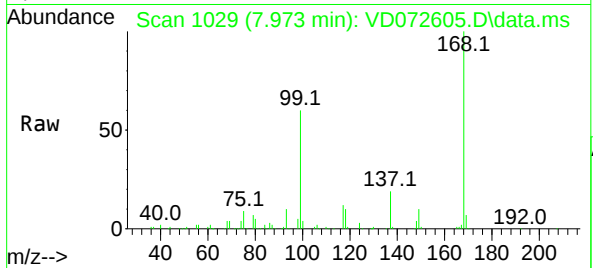




#38
Carbon Tetrachloride
Concen: 4.872 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

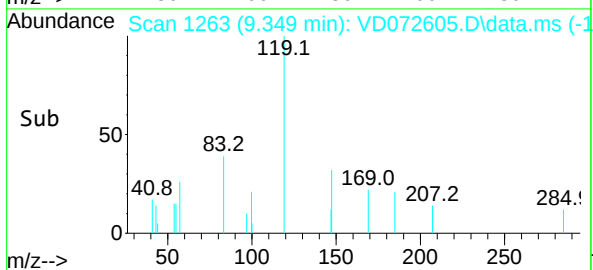
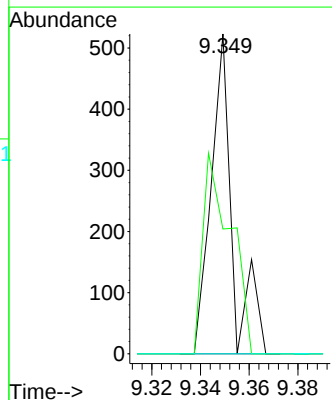
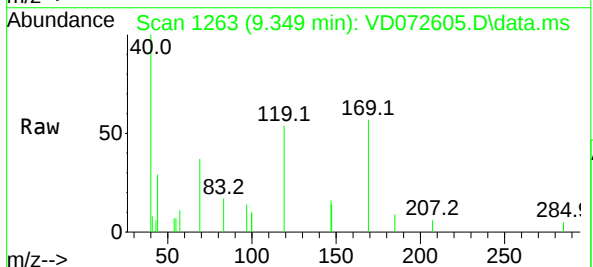
Instrument :
MSVOA_D
ClientSampleId :
SB-6

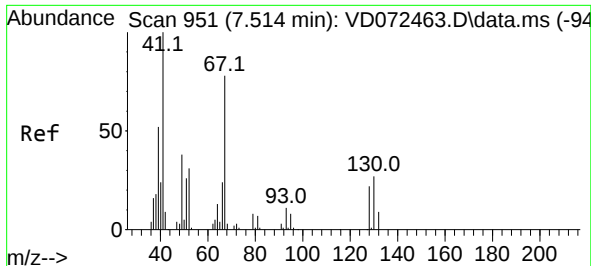
Tgt Ion: 117 Resp: 43187
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.908 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 83 Resp: 316
Ion Ratio Lower Upper
83 100
55 39.0 63.2 94.8#
98 0.0 38.2 57.4#

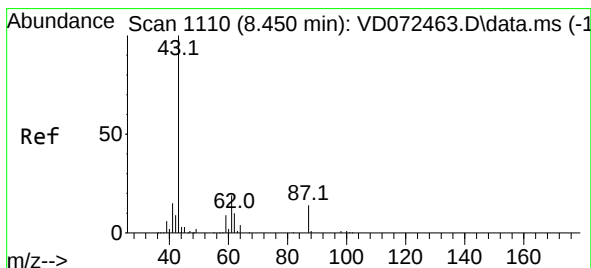
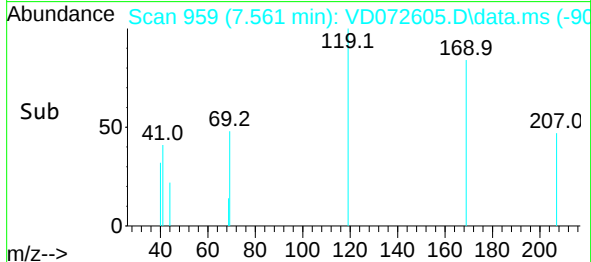
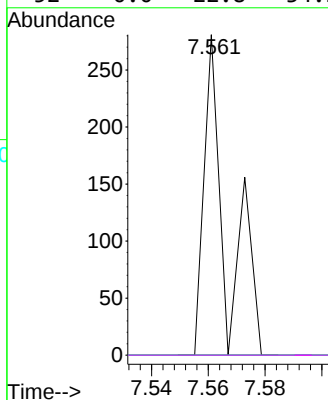
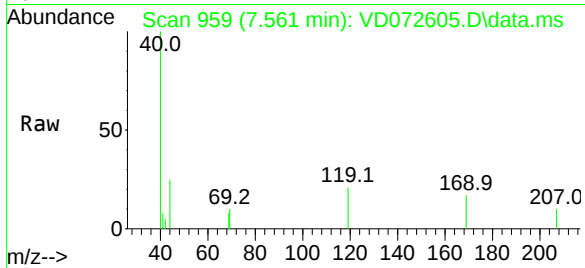




#41
Methacrylonitrile
Concen: 1.733 ug/l
RT: 7.561 min Scan# 91
Delta R.T. 0.047 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

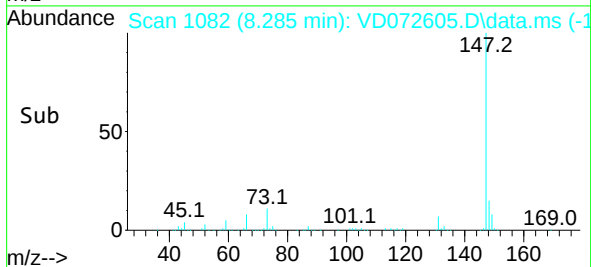
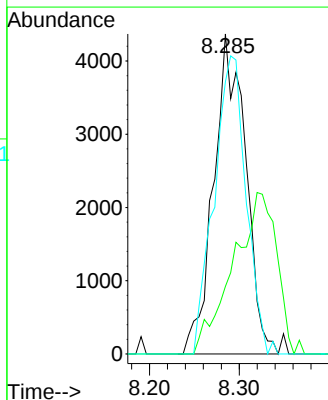
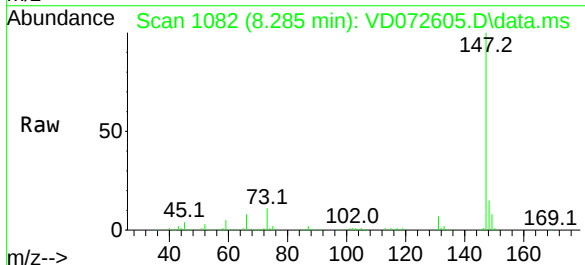
Instrument :
MSVOA_D
ClientSampleId :
SB-6

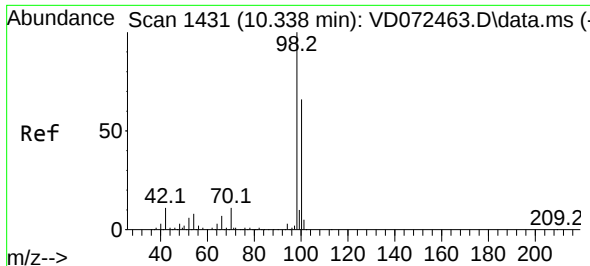
Tgt Ion: 41	Resp:	154	
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#43
Isopropyl Acetate
Concen: 1.651 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 43	Resp:	10795	
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	93.1	8.7	13.1#

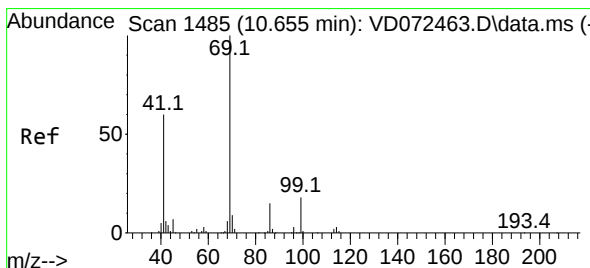
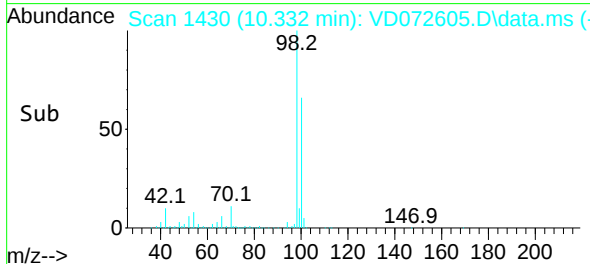
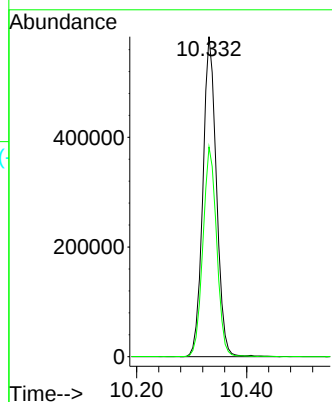
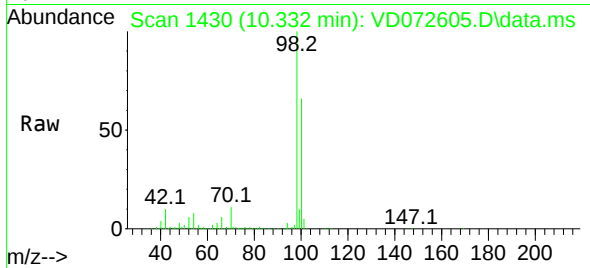




#50
Toluene-d8
Concen: 44.727 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

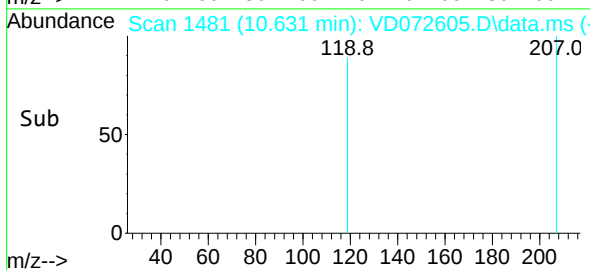
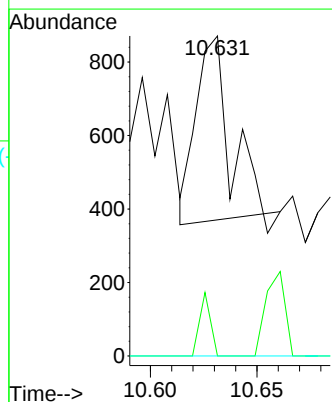
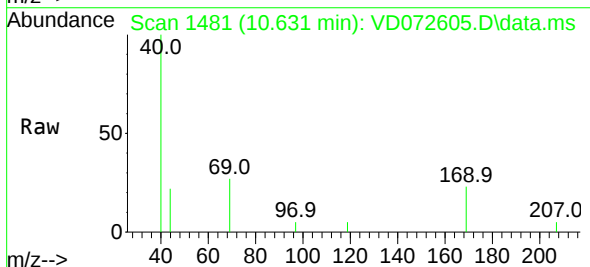
Instrument :
MSVOA_D
ClientSampleId :
SB-6

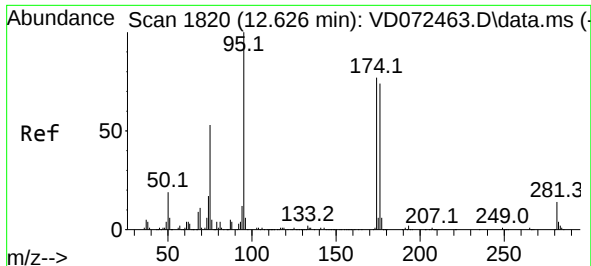
Tgt Ion: 98 Resp: 1000265
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.279 ug/l
RT: 10.631 min Scan# 1481
Delta R.T. -0.024 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 69 Resp: 553
Ion Ratio Lower Upper
69 100
41 11.0 63.0 94.6#
39 0.0 33.8 50.8#

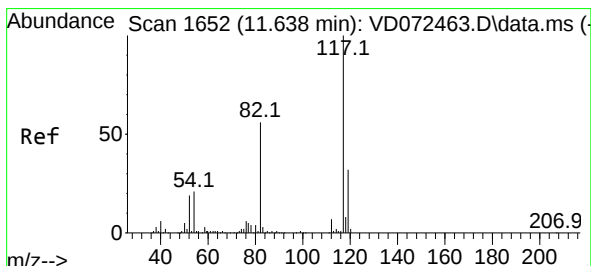
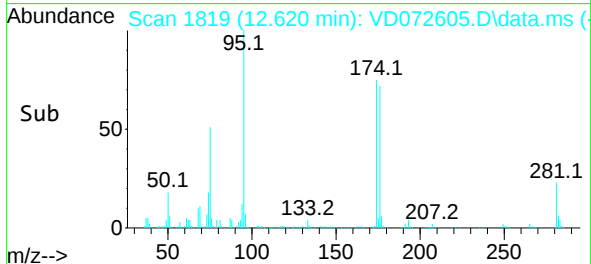
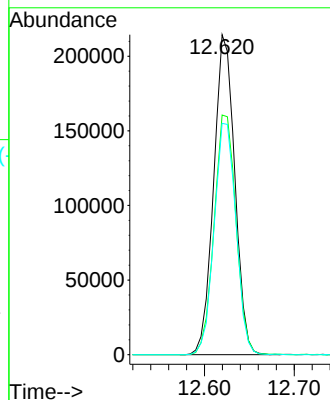
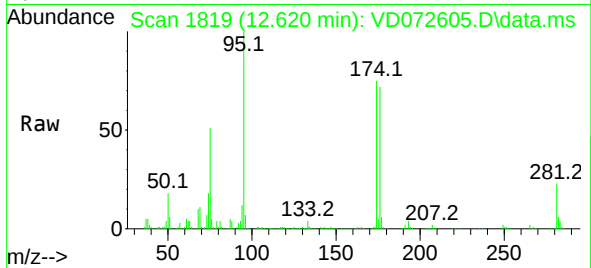




#62
4-Bromofluorobenzene
Concen: 40.097 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

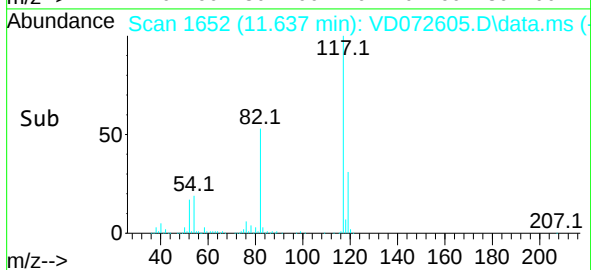
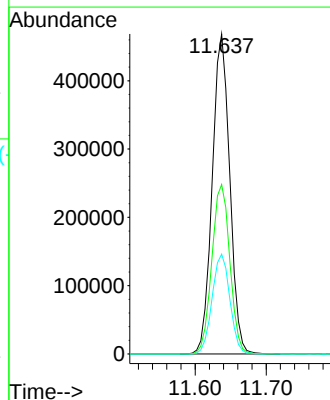
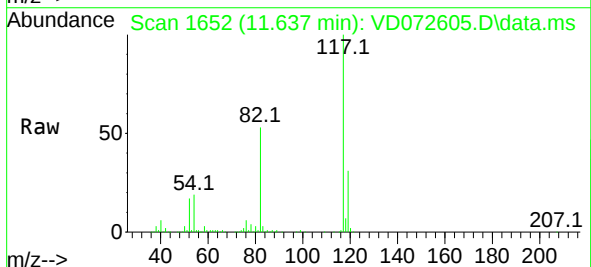
Instrument :
MSVOA_D
ClientSampleId :
SB-6

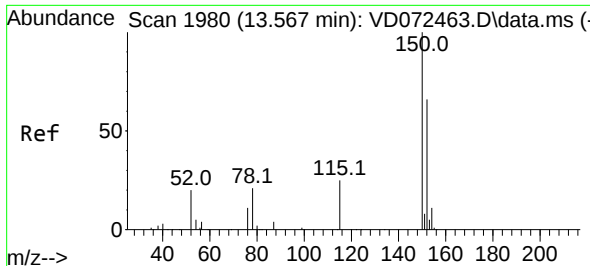
Tgt Ion: 95 Resp: 350208
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.8
176 74.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Tgt Ion: 117 Resp: 799802
Ion Ratio Lower Upper
117 100
82 52.9 45.3 67.9
119 31.2 26.6 40.0

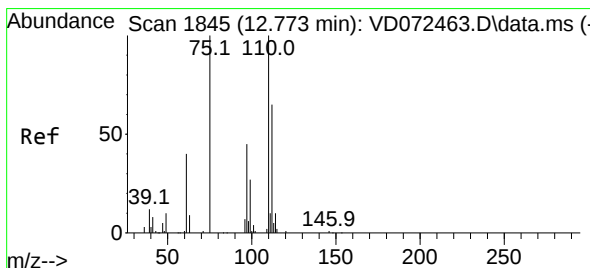
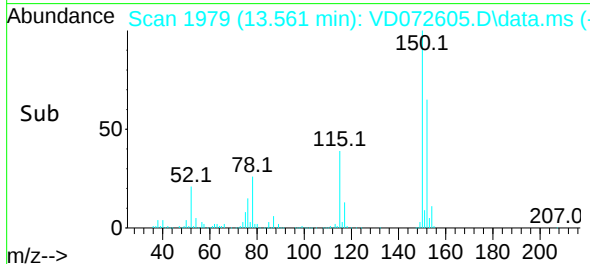
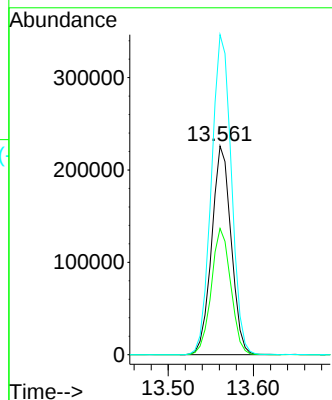
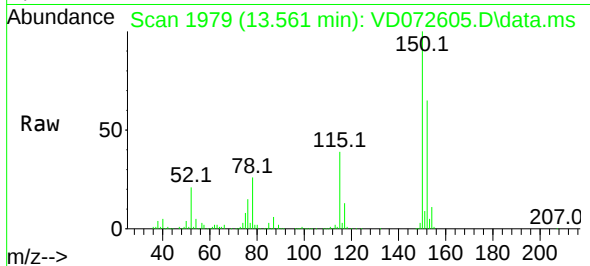




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

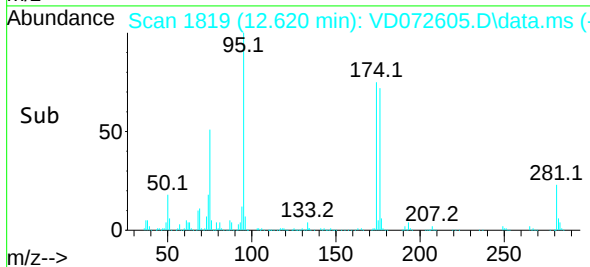
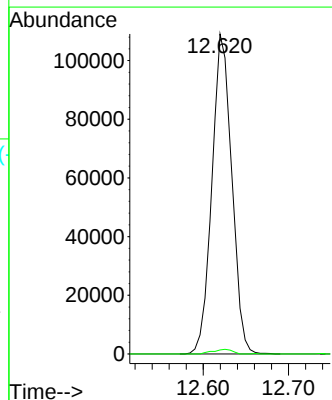
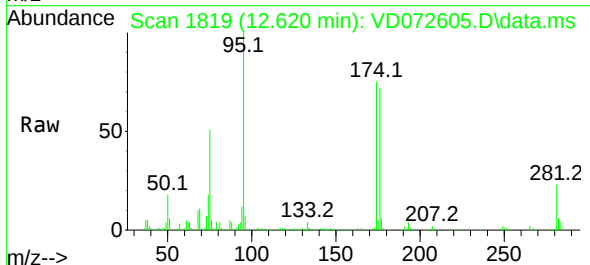
Instrument :
MSVOA_D
ClientSampleId :
SB-6

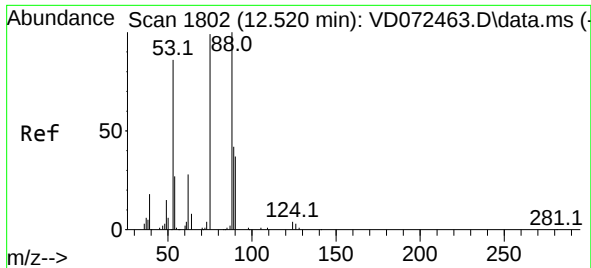
Tgt Ion:152 Resp: 358451
Ion Ratio Lower Upper
152 100
115 60.4 31.3 93.8
150 157.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.156 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

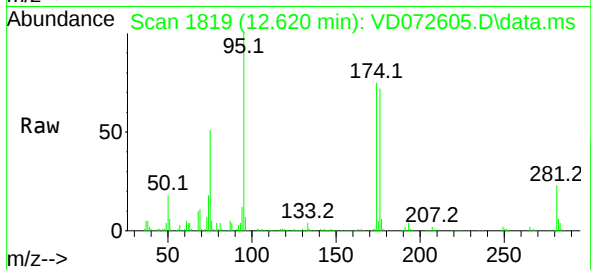
Tgt Ion: 75 Resp: 176536
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 110.804 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072605.D
Acq: 18 Apr 2022 18:47

Instrument :
MSVOA_D
ClientSampleId :
SB-6



Tgt Ion: 75 Resp: 176536
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.5 33.9 50.9#

