

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072611.D
 Acq On : 18 Apr 2022 21:37
 Operator : VA/SY
 Sample : N2444-13
 Misc : 5.35G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13

Quant Time: Apr 19 02:53:50 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	375444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	771310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	758835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	344216	50.000	ug/l	0.00

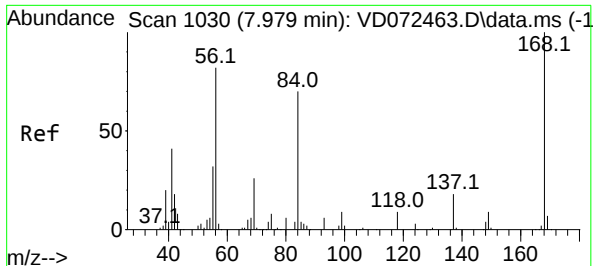
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247485	54.491	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.980%
35) Dibromofluoromethane	7.908	113	259866	43.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.700%
50) Toluene-d8	10.332	98	948160	45.506	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.620	95	330524	40.618	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.240%

Target Compounds					Qvalue	
10) Methyl Iodide	4.314	142	729	3.899	ug/l #	50
11) Tert butyl alcohol	5.185	59	15612	65.092	ug/l #	74
14) Allyl chloride	4.679	41	63	1.137	ug/l #	22
16) Acetone	4.150	43	8198	9.680	ug/l	92
17) Carbon Disulfide	4.403	76	2909	3.995	ug/l #	91
20) Methylene Chloride	4.967	84	32839	6.513	ug/l #	75
23) Vinyl Acetate	6.285	43	76	6.299	ug/l #	75
25) 2-Butanone	7.203	43	2298	1.962	ug/l #	52
31) Cyclohexane	7.973	56	8443	1.422	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	29663	4.909	ug/l #	52
38) Carbon Tetrachloride	7.973	117	40093	4.855	ug/l #	16
39) Methylcyclohexane	9.349	83	239	2.902	ug/l #	64
41) Methacrylonitrile	7.573	41	190	1.757	ug/l #	27
43) Isopropyl Acetate	8.285	43	12512	2.054	ug/l #	1
56) Ethyl methacrylate	10.614	69	551	1.285	ug/l #	55
76) 1,2,3-Trichloropropane	12.620	75	169019	45.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	169019	110.473	ug/l #	7

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

Quant Time: Apr 19 02:53:50 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

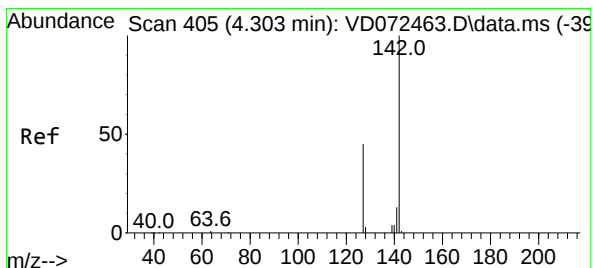
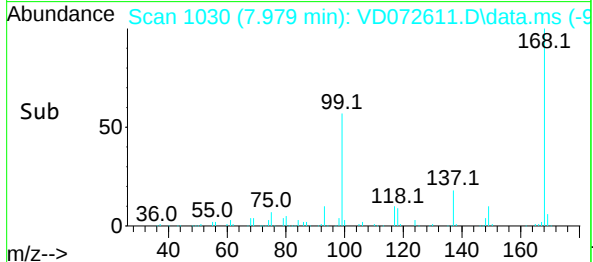
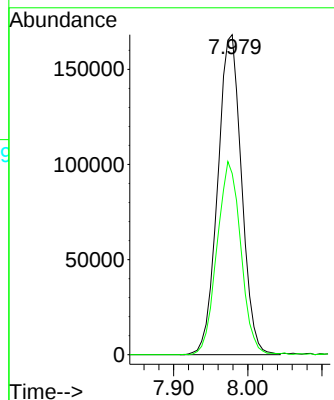
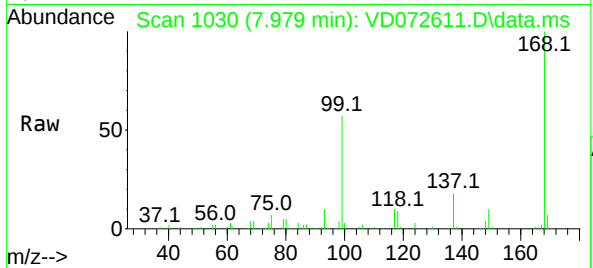




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

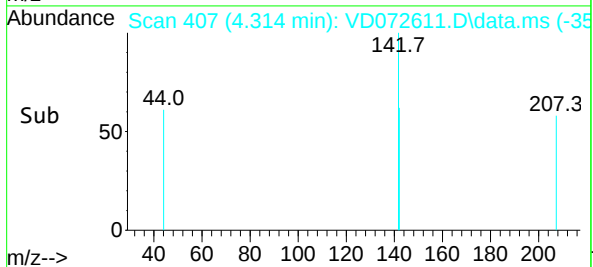
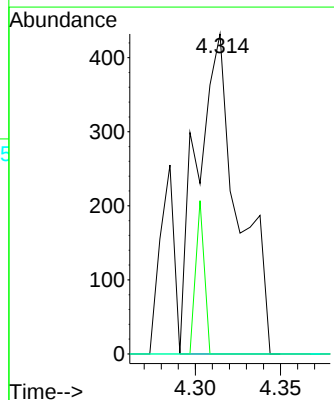
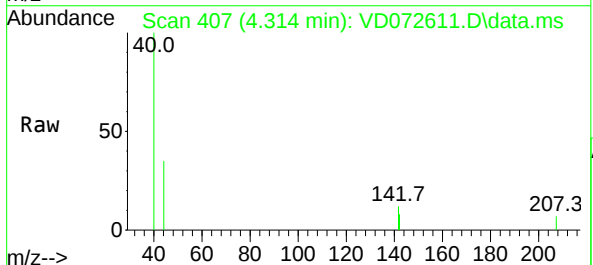
Instrument :
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ClientSampleId :
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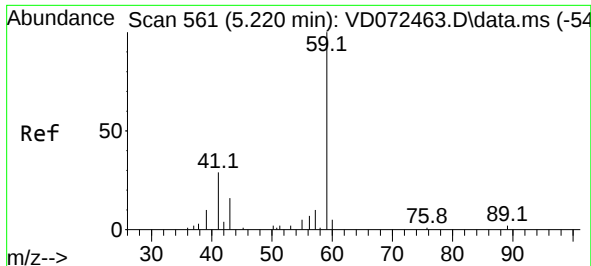
Tgt Ion:168 Resp: 375444
Ion Ratio Lower Upper
168 100
99 56.6 49.8 74.6



#10
Methyl Iodide
Concen: 3.899 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion:142 Resp: 729
Ion Ratio Lower Upper
142 100
127 10.0 37.3 55.9#
141 0.0 11.7 17.5#

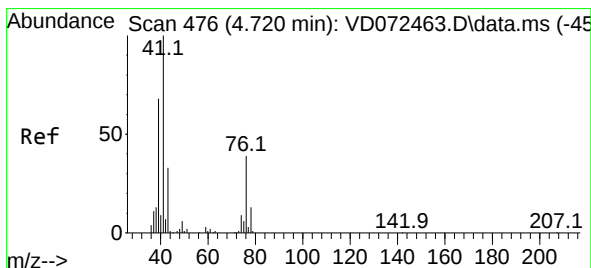
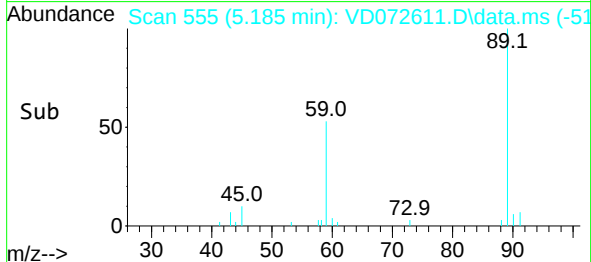
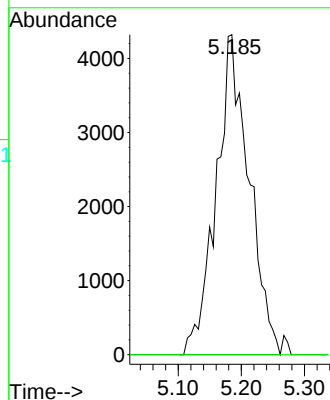
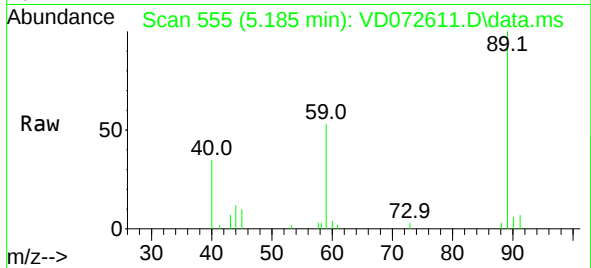




#11
Tert butyl alcohol
Concen: 65.092 ug/l
RT: 5.185 min Scan# 511
Delta R.T. -0.035 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

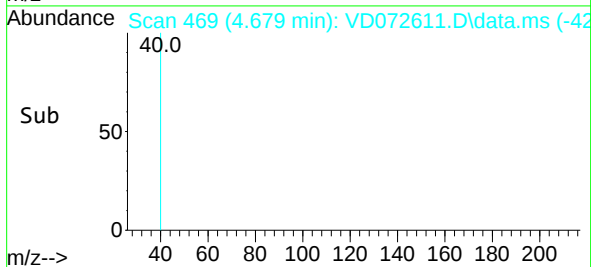
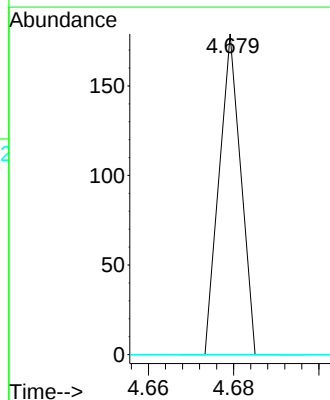
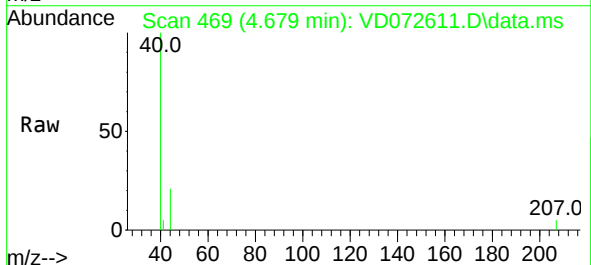
Instrument :
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ClientSampleId :
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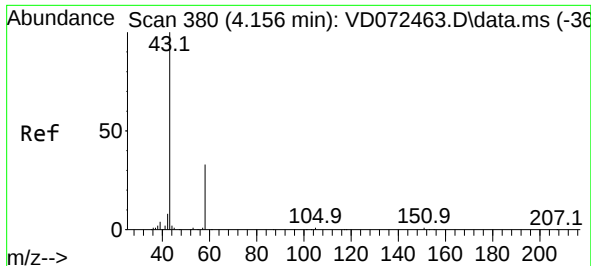
Tgt Ion: 59 Resp: 15612
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.137 ug/l
RT: 4.679 min Scan# 469
Delta R.T. -0.041 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

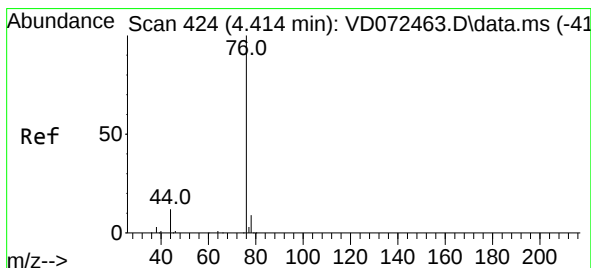
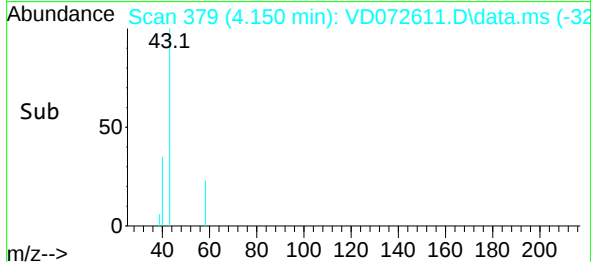
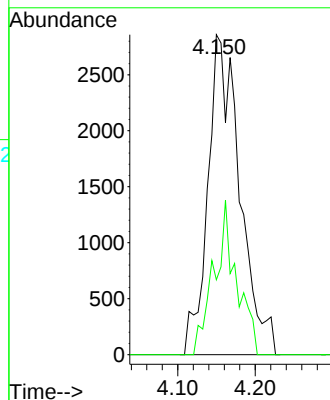
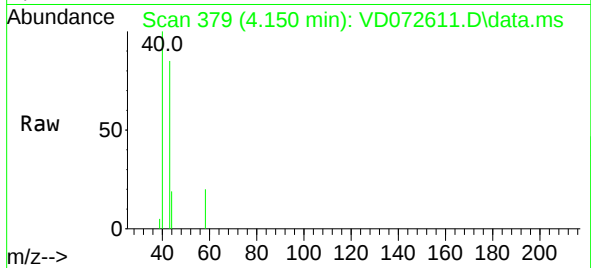




#16
Acetone
Concen: 9.680 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

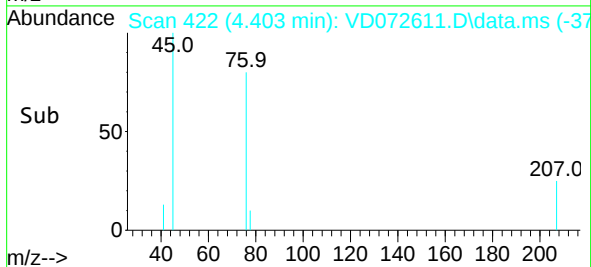
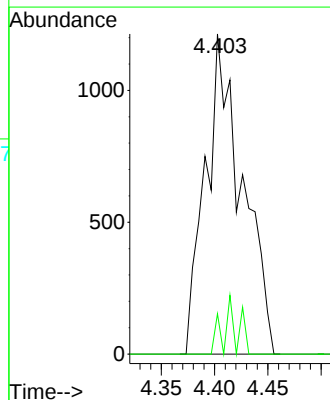
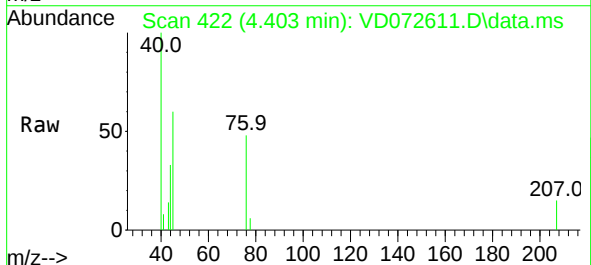
Instrument :
MSVOA_D
ClientSampleId :
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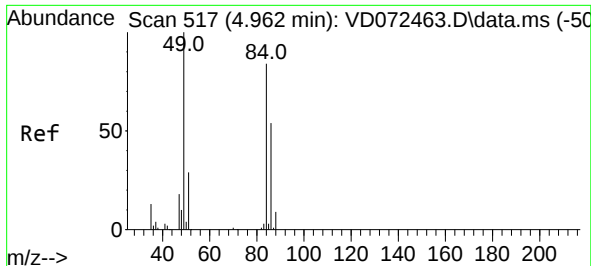
Tgt Ion: 43 Resp: 8198
Ion Ratio Lower Upper
43 100
58 23.4 22.1 33.1



#17
Carbon Disulfide
Concen: 3.995 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.011 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 76 Resp: 2909
Ion Ratio Lower Upper
76 100
78 12.6 7.5 11.3#

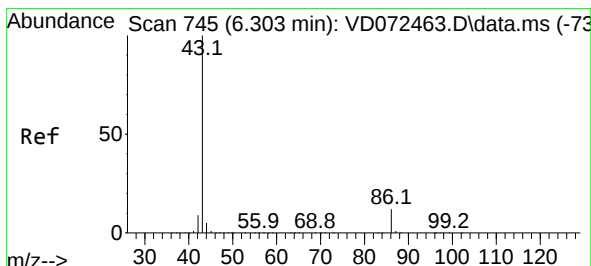
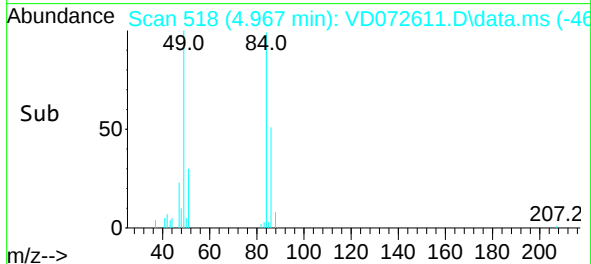
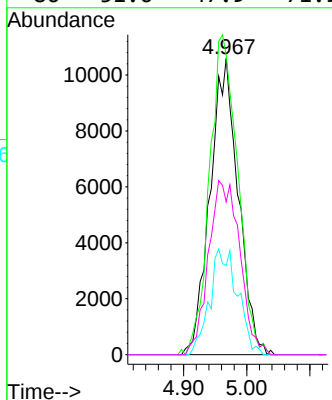
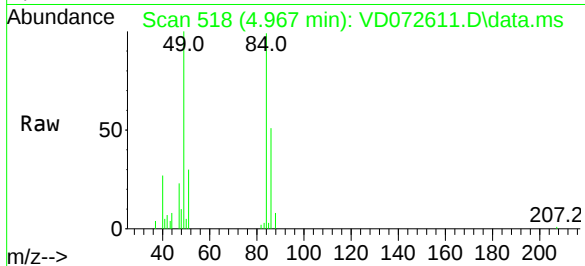




#20
Methylene Chloride
Concen: 6.513 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

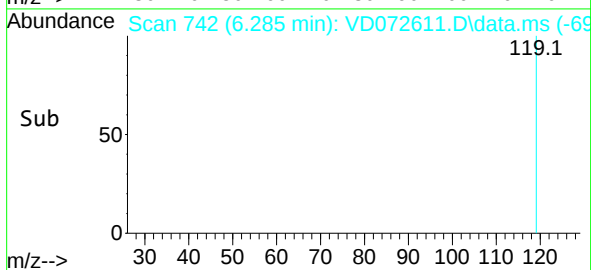
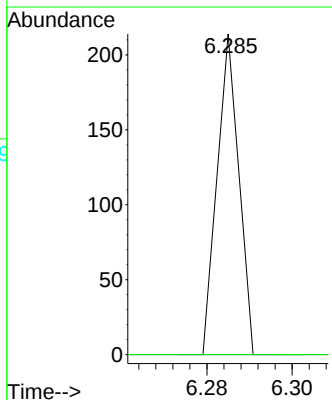
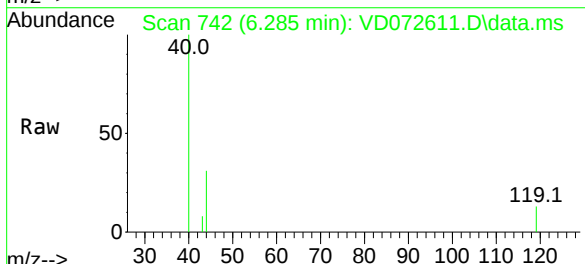
Instrument :
MSVOA_D
ClientSampleId :
SB-13

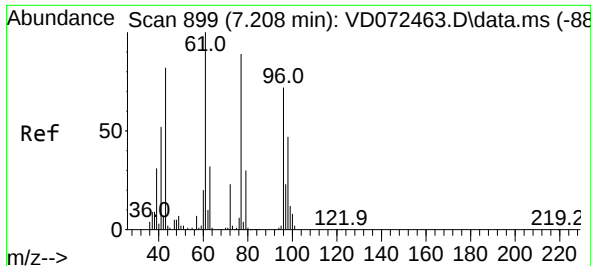
Tgt Ion: 84 Resp: 32839
Ion Ratio Lower Upper
84 100
49 101.0 112.8 169.2#
51 30.1 32.6 48.8#
86 51.6 47.9 71.9



#23
Vinyl Acetate
Concen: 6.299 ug/l
RT: 6.285 min Scan# 742
Delta R.T. -0.018 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 43 Resp: 76
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

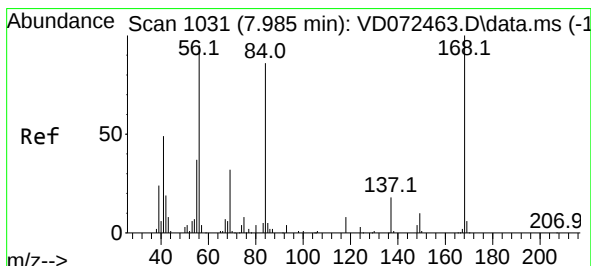
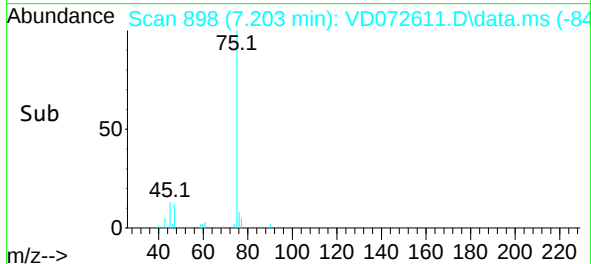
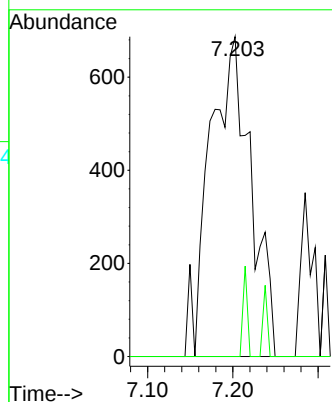
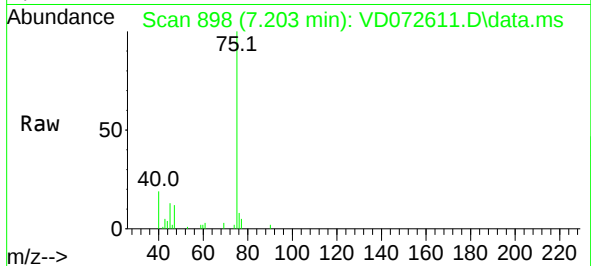




#25
2-Butanone
Concen: 1.962 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

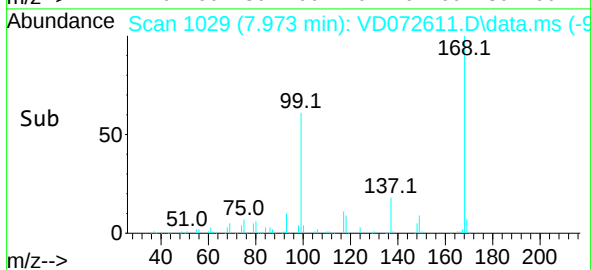
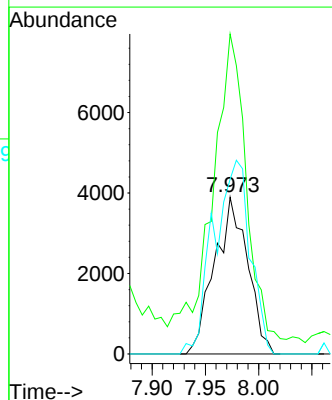
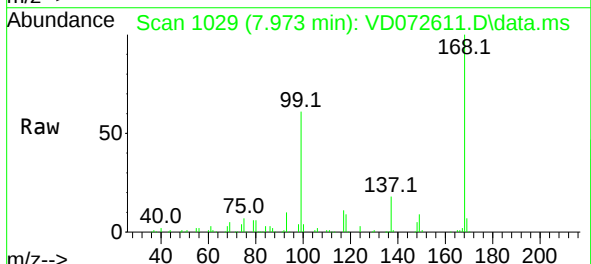
Instrument :
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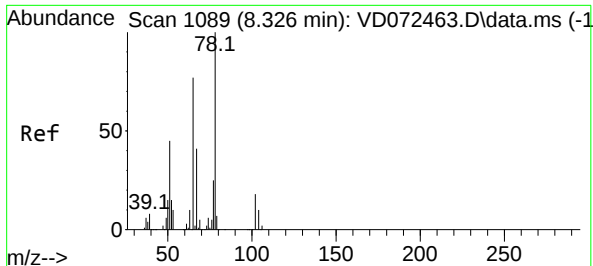
Tgt Ion: 43 Resp: 2298
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#31
Cyclohexane
Concen: 1.422 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 56 Resp: 8443
Ion Ratio Lower Upper
56 100
69 194.4 25.4 38.2#
84 111.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 54.491 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072611.D

Acq: 18 Apr 2022 21:37

Instrument :

MSVOA_D

ClientSampleId :

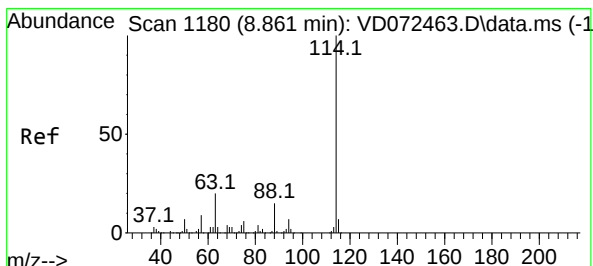
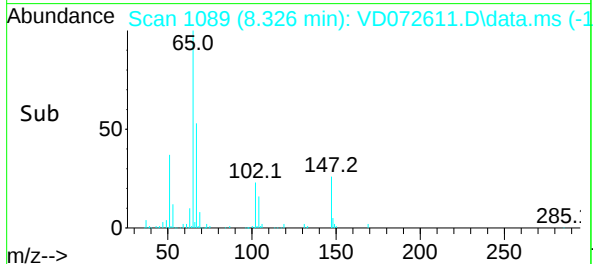
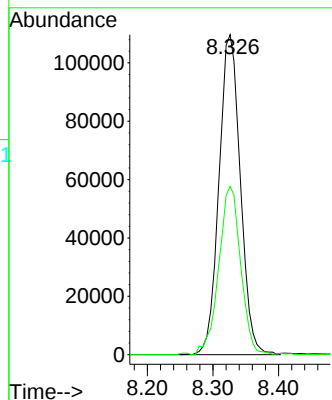
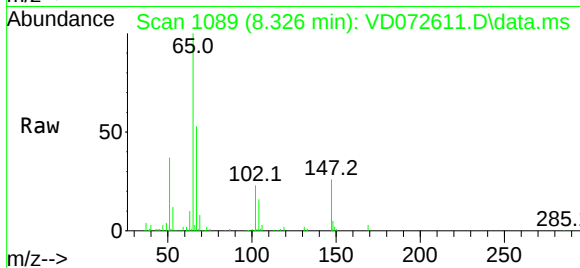
SB-13

Tgt Ion: 65 Resp: 247485

Ion Ratio Lower Upper

65 100

67 53.9 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: VD072611.D

Acq: 18 Apr 2022 21:37

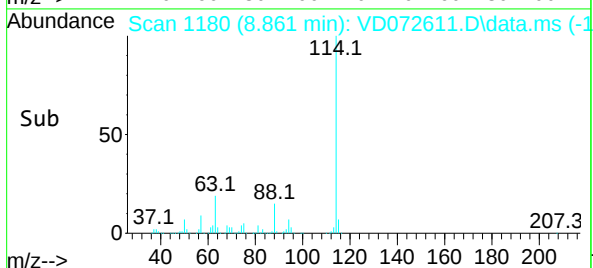
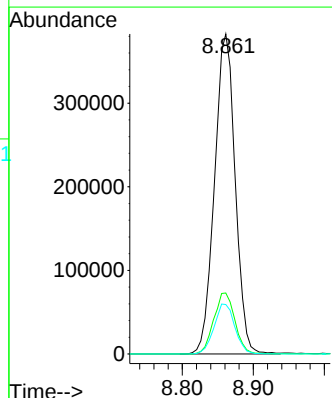
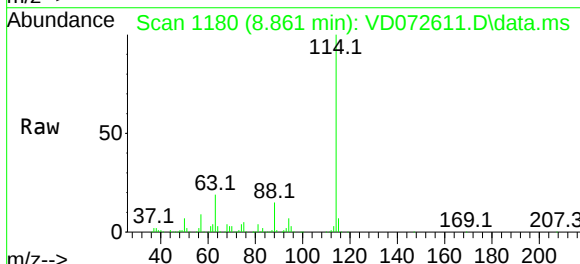
Tgt Ion: 114 Resp: 771310

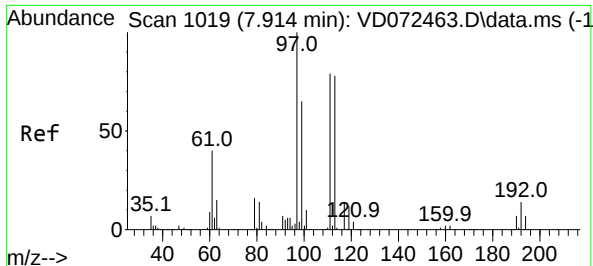
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

88 15.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.353 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072611.D

Acq: 18 Apr 2022 21:37

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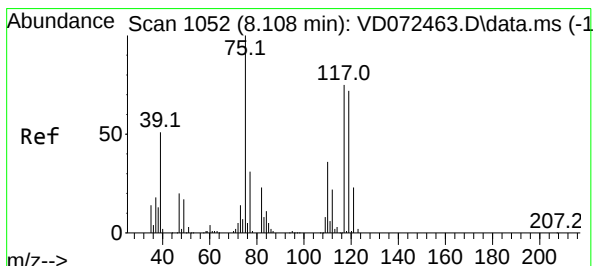
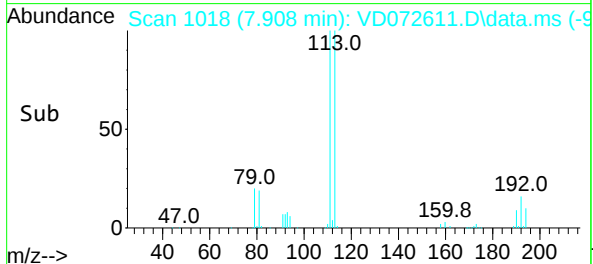
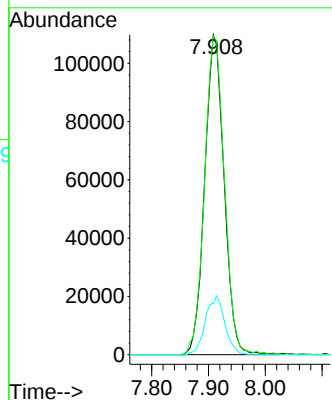
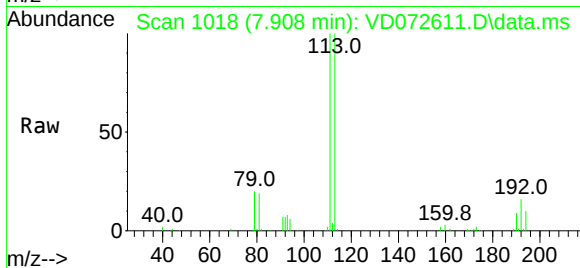
Tgt Ion:113 Resp: 259866

Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 18.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072611.D

Acq: 18 Apr 2022 21:37

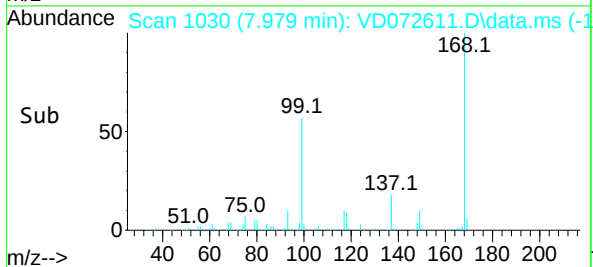
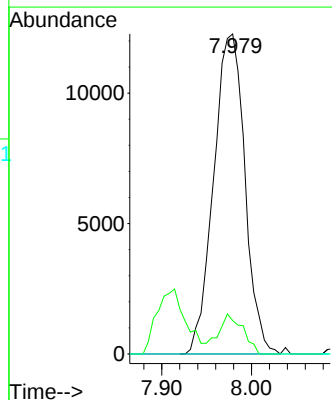
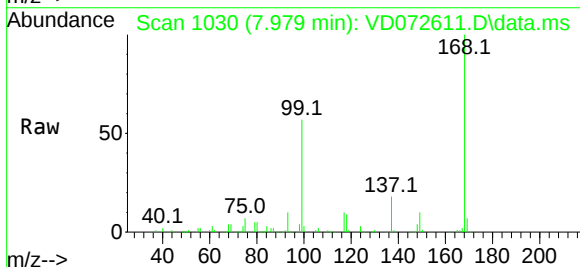
Tgt Ion: 75 Resp: 29663

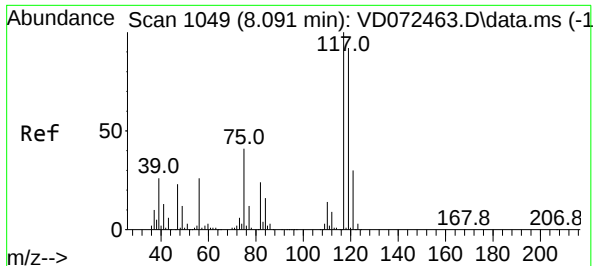
Ion Ratio Lower Upper

75 100

110 9.7 16.4 49.1#

77 0.0 24.2 36.2#

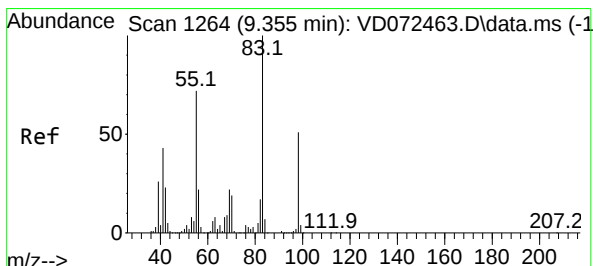
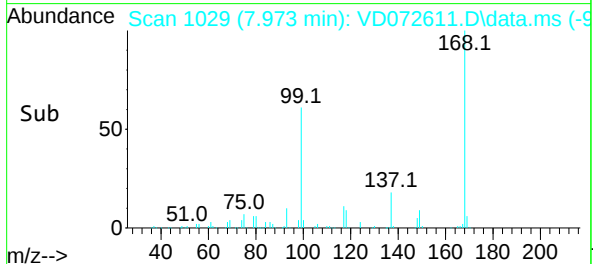
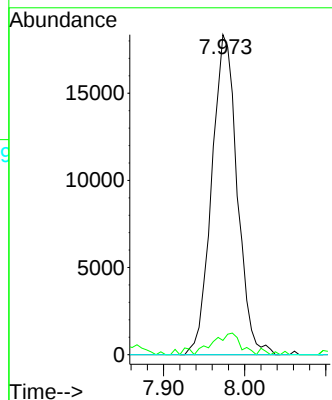
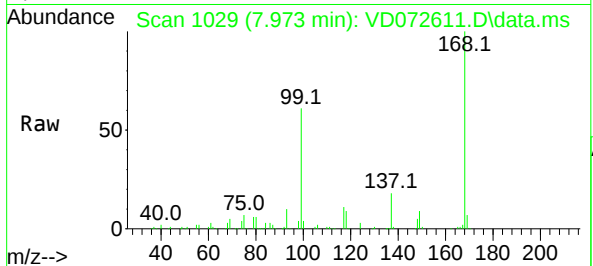




#38
Carbon Tetrachloride
Concen: 4.855 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

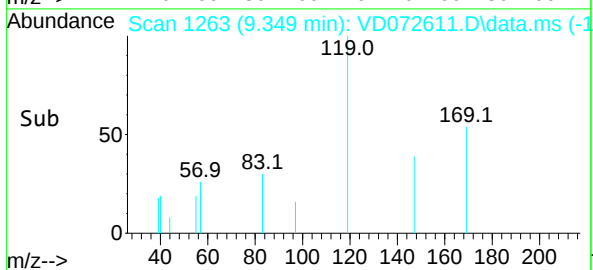
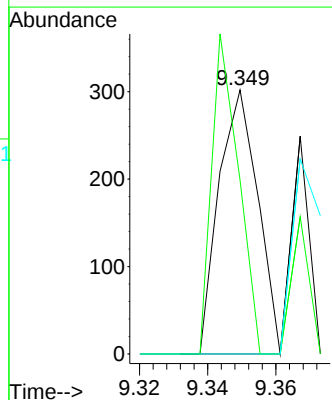
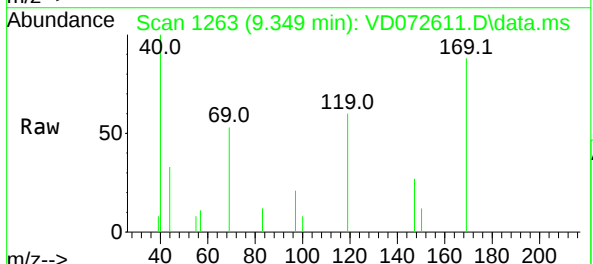
Instrument :
MSVOA_D
ClientSampleId :
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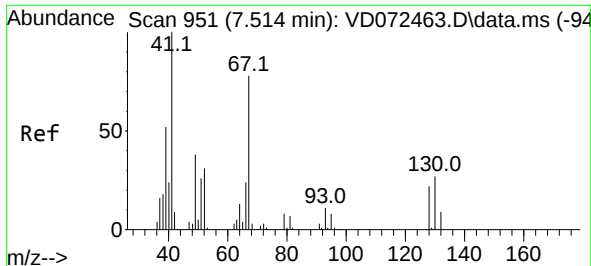
Tgt Ion: 117 Resp: 40093
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.902 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 83 Resp: 239
Ion Ratio Lower Upper
83 100
55 65.9 63.2 94.8
98 0.0 38.2 57.4#

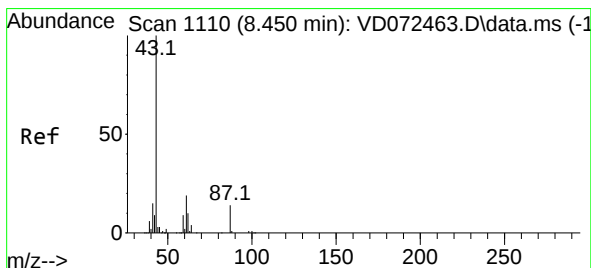
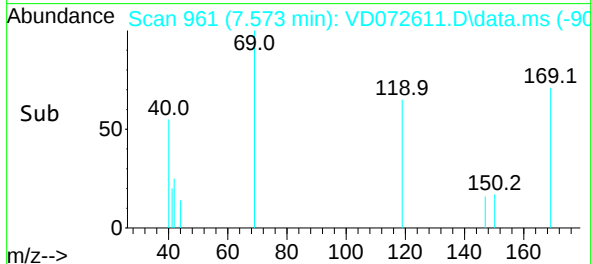
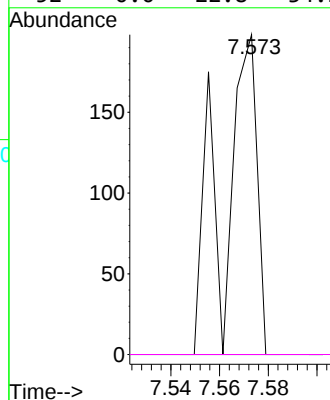
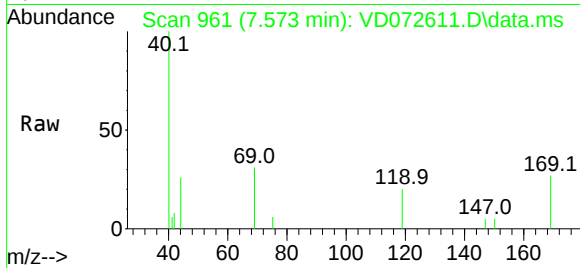




#41
Methacrylonitrile
Concen: 1.757 ug/l
RT: 7.573 min Scan# 90
Delta R.T. 0.059 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

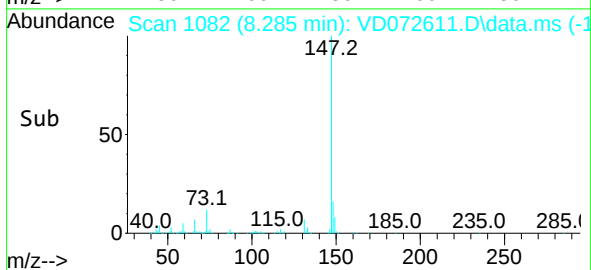
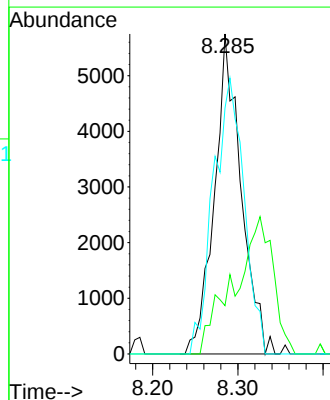
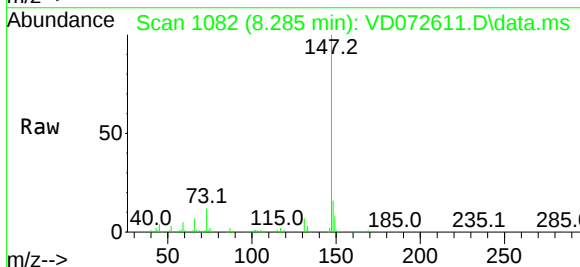
Instrument :
MSVOA_D
ClientSampleId :
SB-13

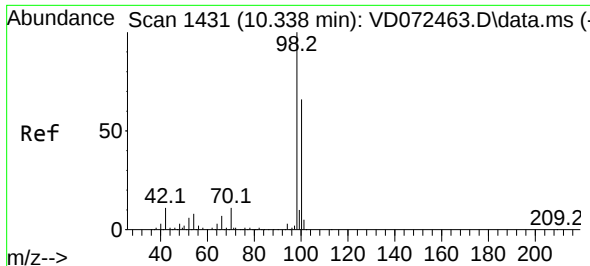
Tgt Ion: 41	Resp:	190
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#43
Isopropyl Acetate
Concen: 2.054 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 43	Resp:	12512
Ion	Ratio	Lower Upper
43	100	
61	0.0	22.4 33.6#
87	98.8	8.7 13.1#

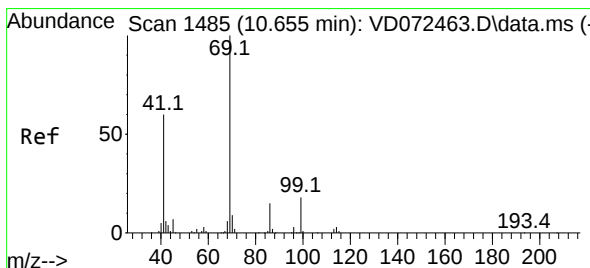
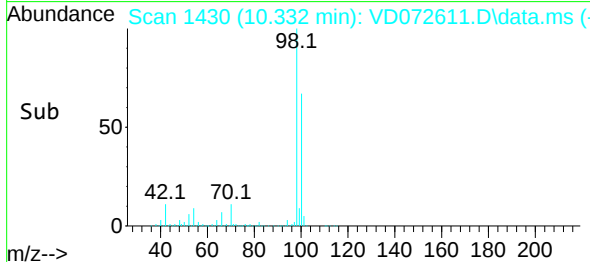
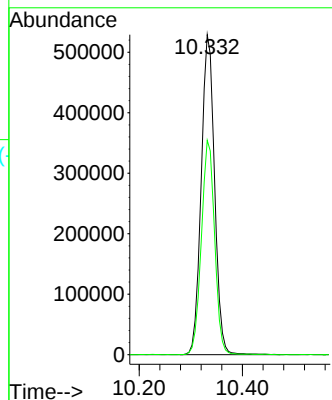
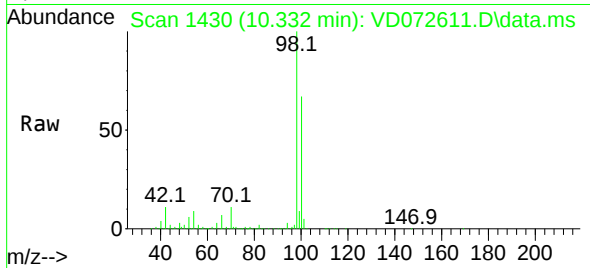




#50
Toluene-d8
Concen: 45.506 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

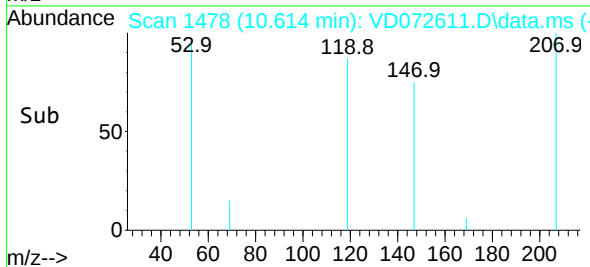
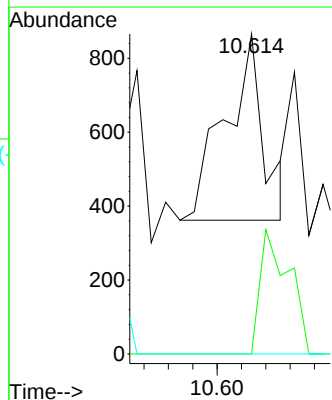
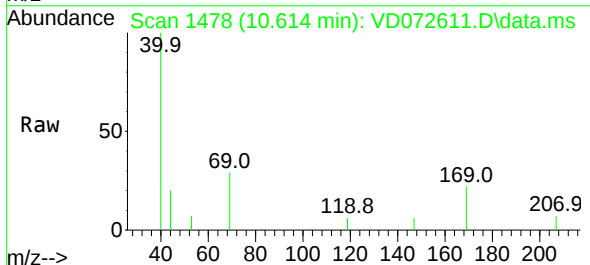
Instrument :
MSVOA_D
ClientSampleId :
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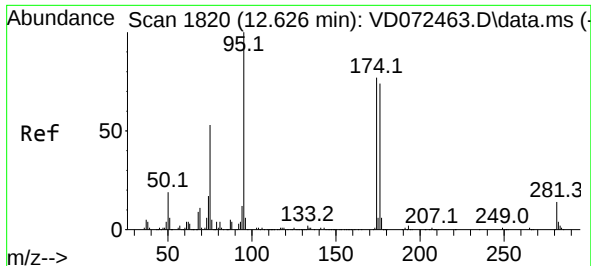
Tgt Ion: 98 Resp: 948160
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.285 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.041 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 69 Resp: 551
Ion Ratio Lower Upper
69 100
41 50.1 63.0 94.6#
39 0.0 33.8 50.8#

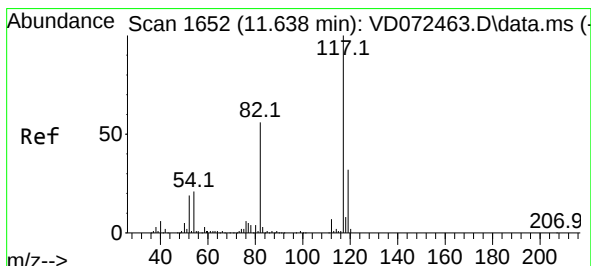
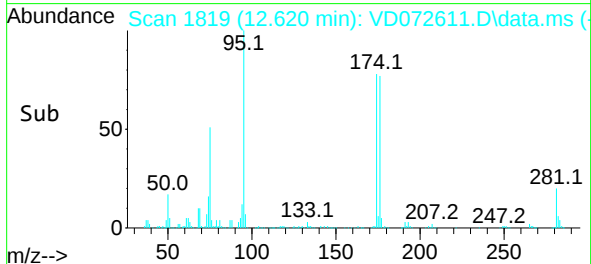
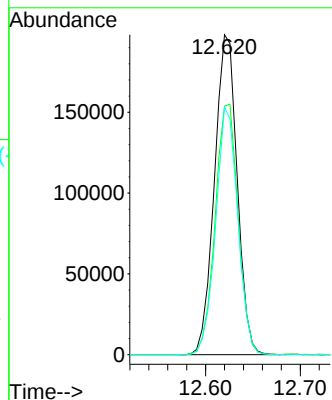
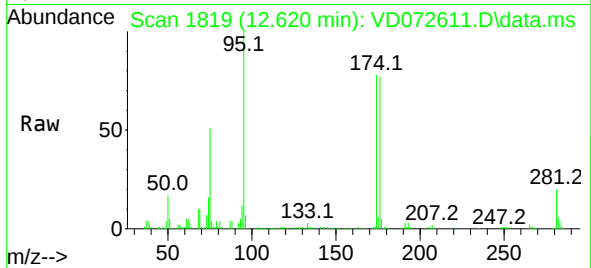




#62
4-Bromofluorobenzene
Concen: 40.618 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

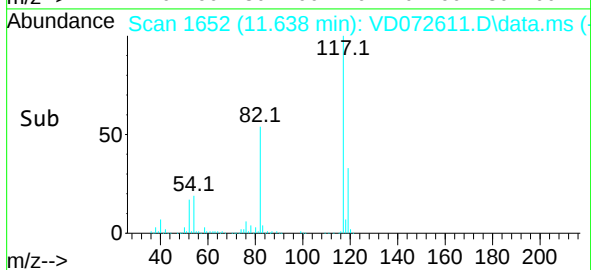
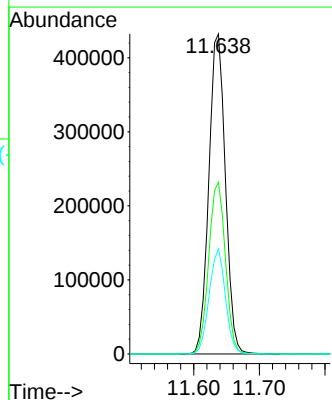
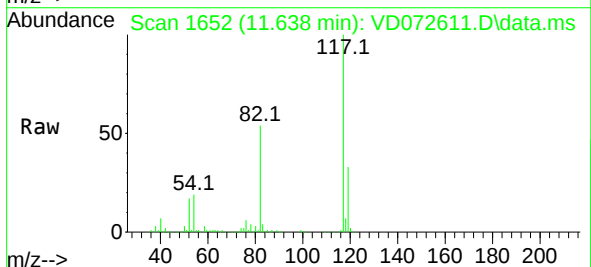
Instrument :
MSVOA_D
ClientSampleId :
SB-13

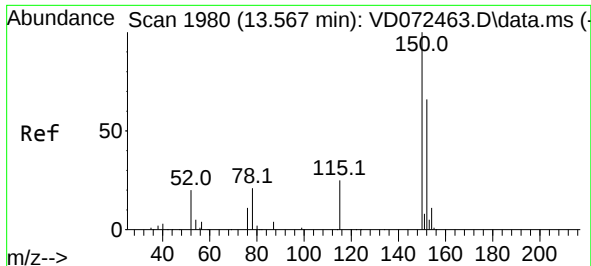
Tgt Ion: 95 Resp: 330524
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.8
176 75.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072611.D
Acq: 18 Apr 2022 21:37

Tgt Ion: 117 Resp: 758835
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 32.9 26.6 40.0

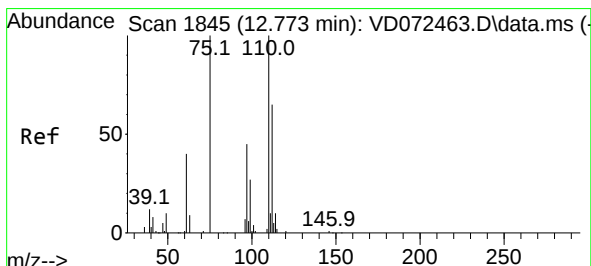
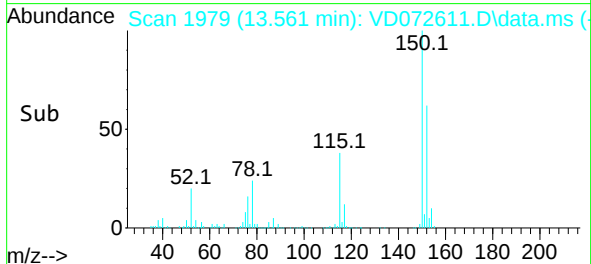
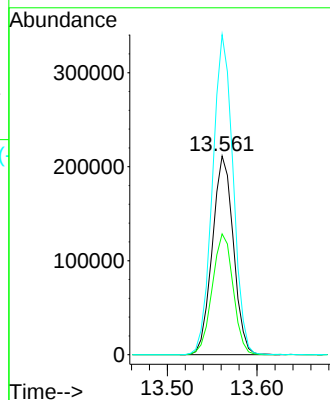
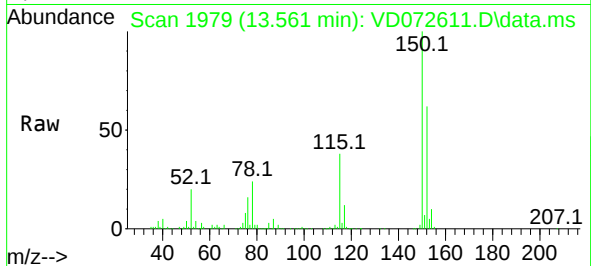




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. -0.006 min
 Lab File: VD072611.D
 Acq: 18 Apr 2022 21:37

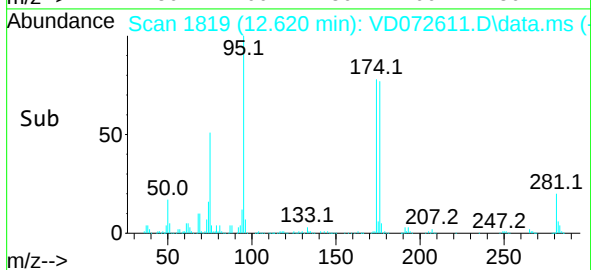
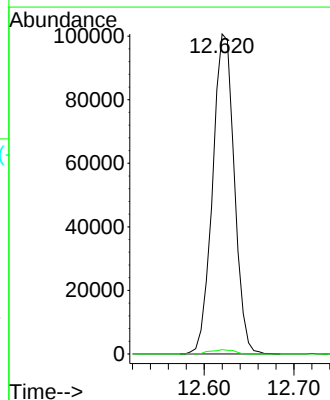
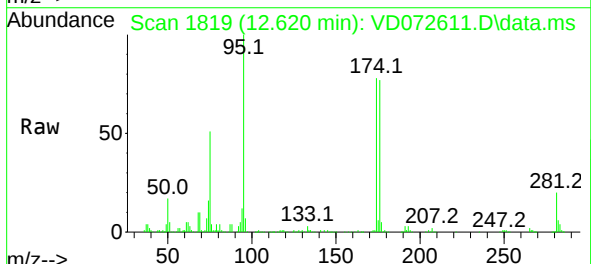
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13

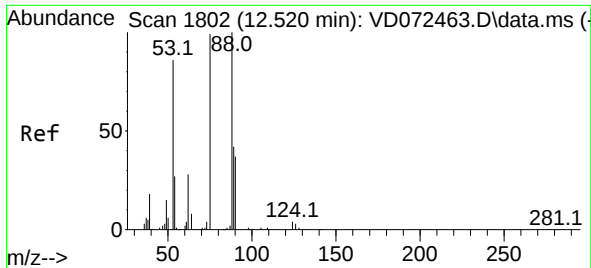
Tgt Ion:152 Resp: 344216
 Ion Ratio Lower Upper
 152 100
 115 60.5 31.3 93.8
 150 157.4 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 45.021 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD072611.D
 Acq: 18 Apr 2022 21:37

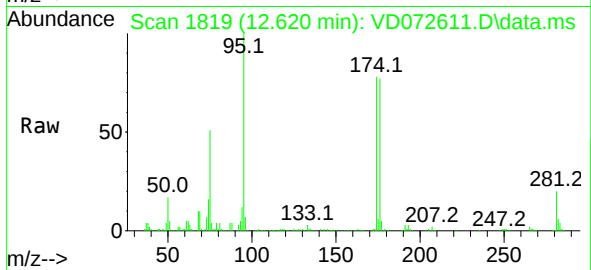
Tgt Ion: 75 Resp: 169019
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.473 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072611.D
 Acq: 18 Apr 2022 21:37

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-13



Tgt Ion: 75 Resp: 169019
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.2 33.9 50.9#

