

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072598.D
 Acq On : 18 Apr 2022 15:29
 Operator : VA/SY
 Sample : N2426-04
 Misc : 5.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-4

Quant Time: Apr 19 02:50:57 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	188654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	360500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	369959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	170159	50.000	ug/l	0.00

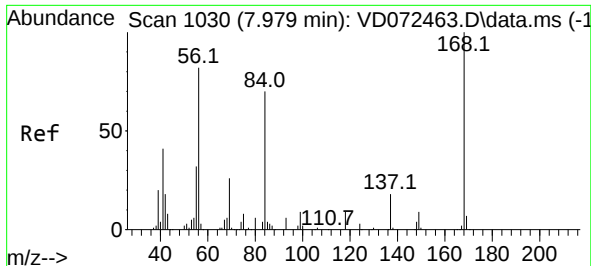
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	153291	67.170	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.340%
35) Dibromofluoromethane	7.908	113	135838	48.486	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.980%
50) Toluene-d8	10.331	98	430860	44.243	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.480%
62) 4-Bromofluorobenzene	12.620	95	160703	42.253	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.500%

Target Compounds					Qvalue	
4) Vinyl Chloride	2.344	62	98	1.011	ug/l #	43
10) Methyl Iodide	4.302	142	776	4.086	ug/l #	93
11) Tert butyl alcohol	5.191	59	4547	37.729	ug/l #	74
14) Allyl chloride	4.644	41	65	1.148	ug/l #	22
16) Acetone	4.167	43	3923	9.219	ug/l	93
17) Carbon Disulfide	4.414	76	1251	3.942	ug/l #	74
20) Methylene Chloride	4.979	84	3978	1.570	ug/l #	63
23) Vinyl Acetate	6.314	43	65	6.306	ug/l #	75
25) 2-Butanone	7.185	43	640	1.087	ug/l #	52
31) Cyclohexane	7.973	56	4017	1.346	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	14591	5.108	ug/l #	49
38) Carbon Tetrachloride	7.973	117	19576	5.072	ug/l #	18
39) Methylcyclohexane	9.343	83	136	2.907	ug/l #	28
41) Methacrylonitrile	7.567	41	259	1.947	ug/l #	40
56) Ethyl methacrylate	10.637	69	55	1.211	ug/l #	18
76) 1,2,3-Trichloropropane	12.620	75	77098	41.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	77098	101.939	ug/l #	7

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

Quant Time: Apr 19 02:50:57 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

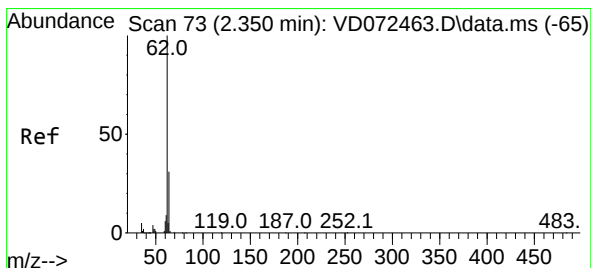
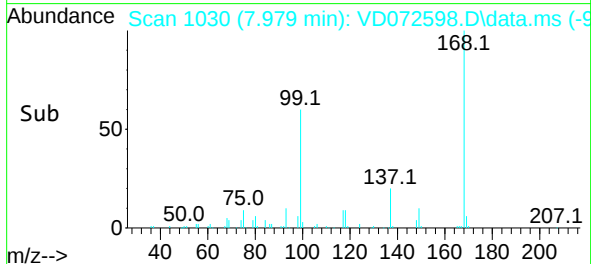
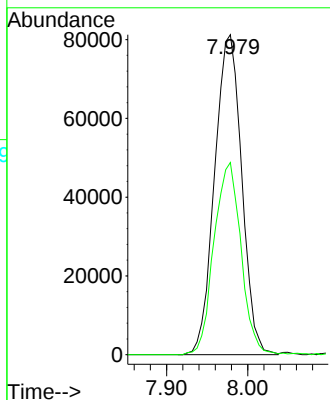
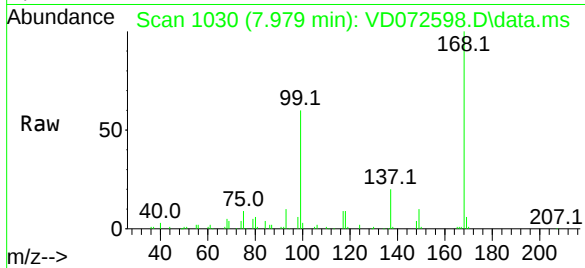




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

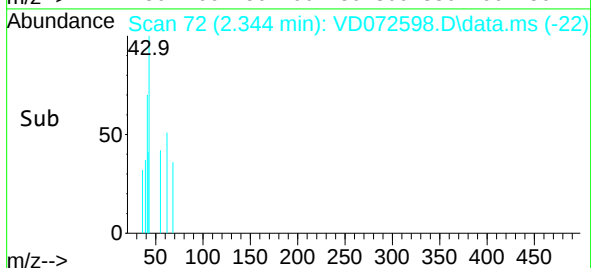
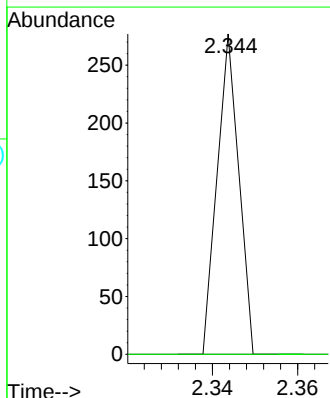
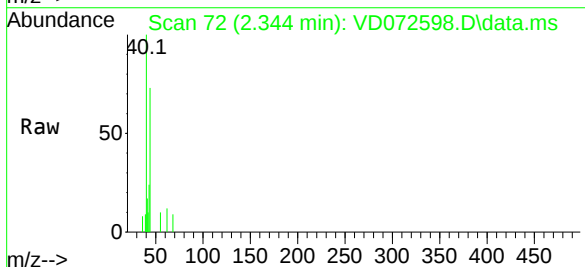
Instrument :
MSVOA_D
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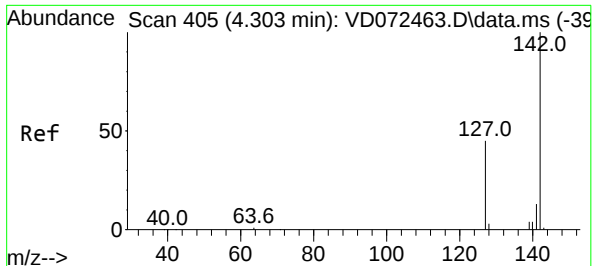
Tgt Ion:168 Resp: 188654
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#4
Vinyl Chloride
Concen: 1.011 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

Tgt Ion: 62 Resp: 98
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#

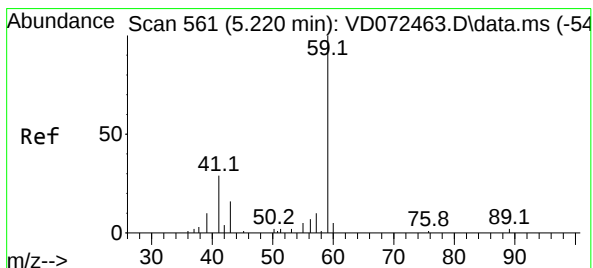
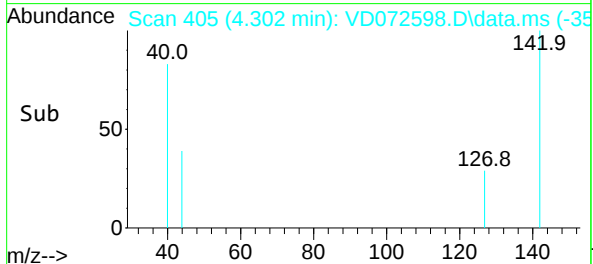
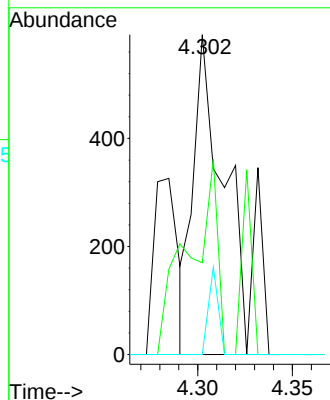
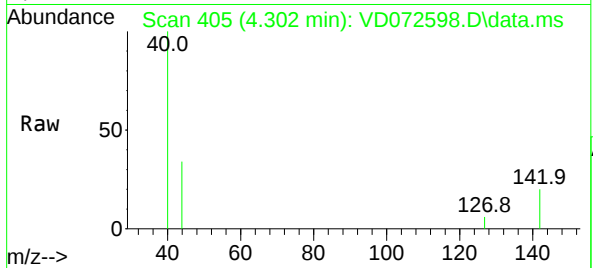




#10
Methyl Iodide
Concen: 4.086 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

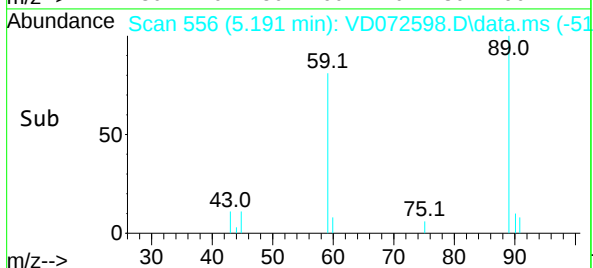
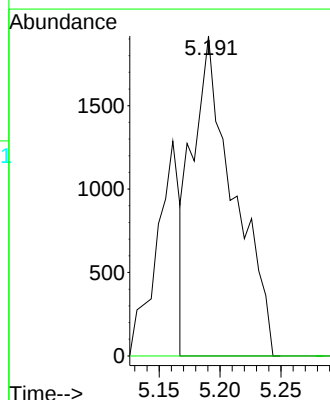
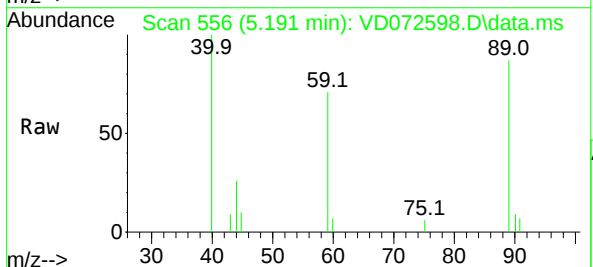
Instrument :
MSVOA_D
ClientSampleId :
PX-4

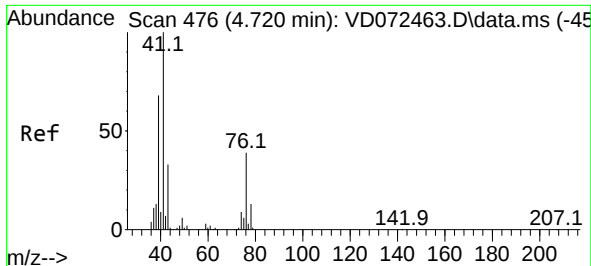
Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
127 48.8 37.3 55.9
141 7.3 11.7 17.5#



#11
Tert butyl alcohol
Concen: 37.729 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.030 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

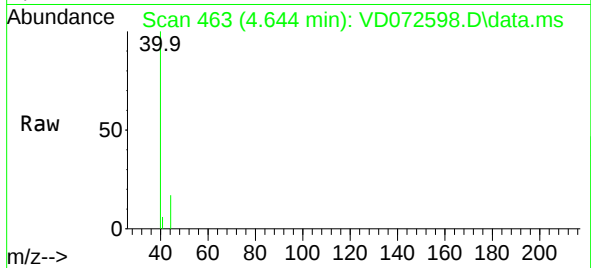
Tgt Ion: 59 Resp: 4547
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



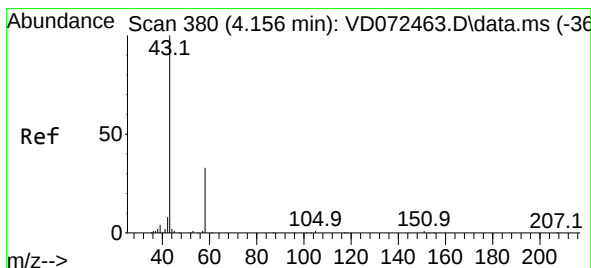
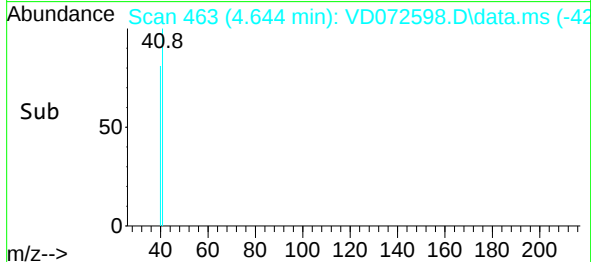
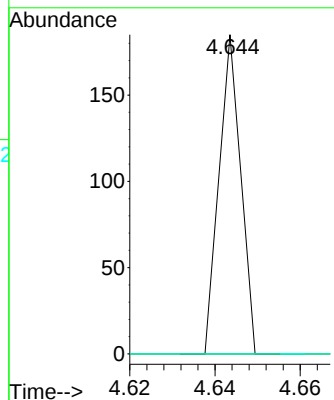


#14
 Allyl chloride
 Concen: 1.148 ug/l
 RT: 4.644 min Scan# 41
 Delta R.T. -0.076 min
 Lab File: VD072598.D
 Acq: 18 Apr 2022 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-4

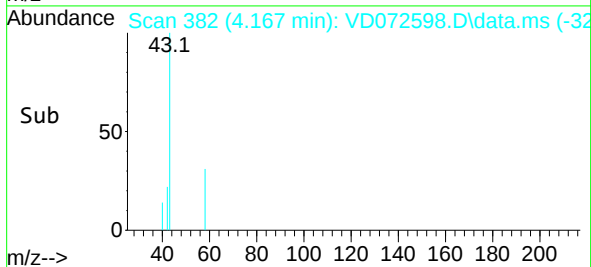
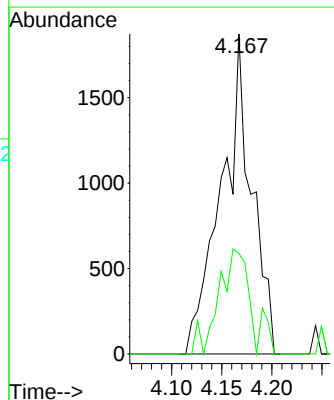
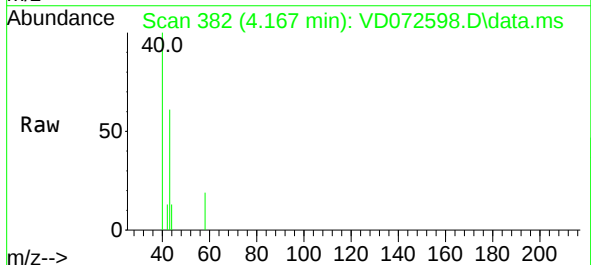


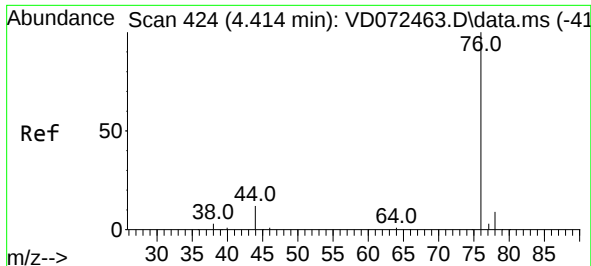
Tgt Ion: 41	Resp: 65
Ion Ratio	Lower Upper
41	100
39	0.0 59.3 88.9#
76	0.0 25.7 38.5#



#16
 Acetone
 Concen: 9.219 ug/l
 RT: 4.167 min Scan# 382
 Delta R.T. 0.011 min
 Lab File: VD072598.D
 Acq: 18 Apr 2022 15:29

Tgt Ion: 43	Resp: 3923
Ion Ratio	Lower Upper
43	100
58	31.4 22.1 33.1

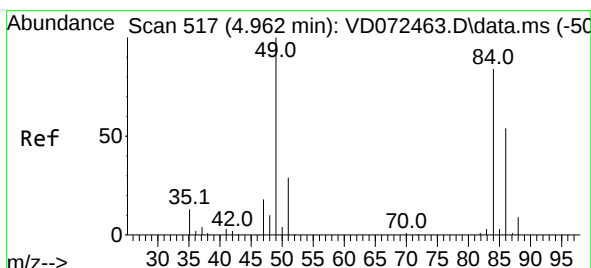
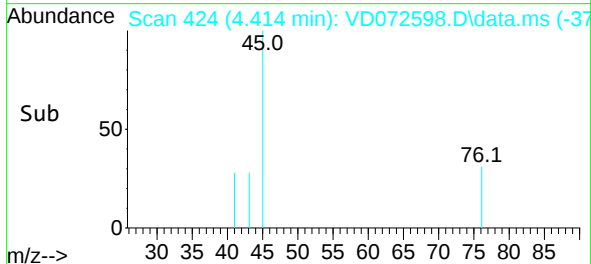
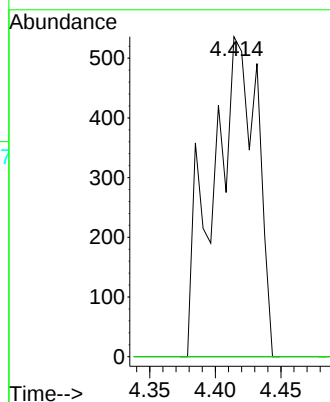
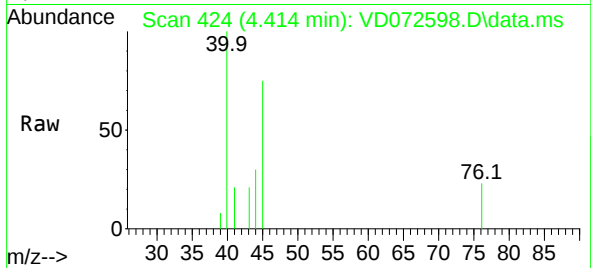




#17
Carbon Disulfide
Concen: 3.942 ug/l
RT: 4.414 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

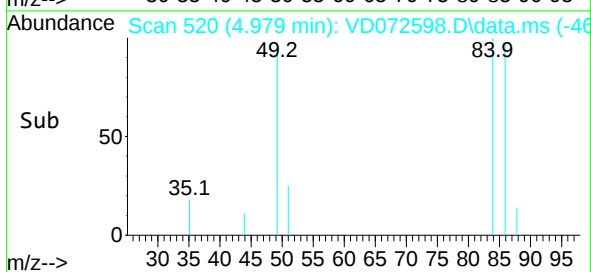
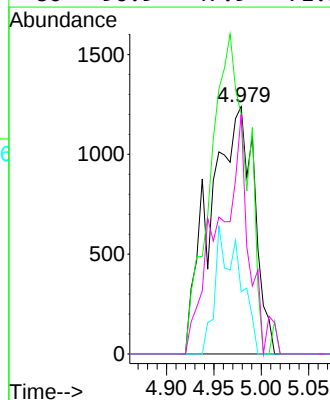
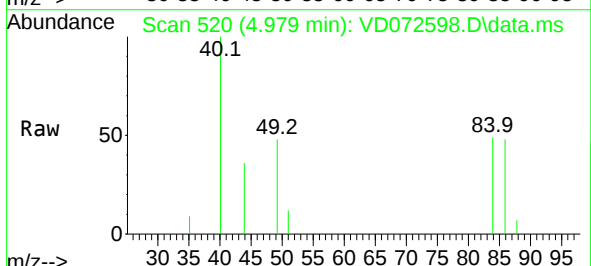
Instrument :
MSVOA_D
ClientSampleId :
PX-4

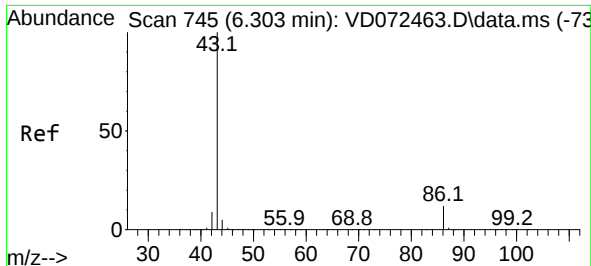
Tgt Ion: 76 Resp: 1251
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 1.570 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.017 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

Tgt Ion: 84 Resp: 3978
Ion Ratio Lower Upper
84 100
49 96.9 112.8 169.2#
51 25.2 32.6 48.8#
86 96.9 47.9 71.9#

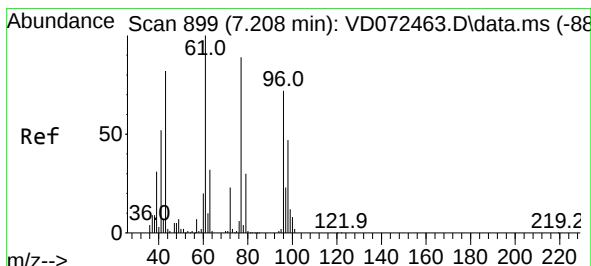
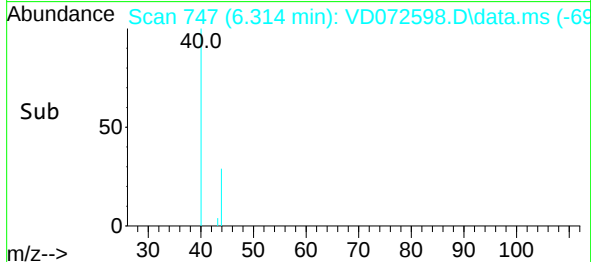
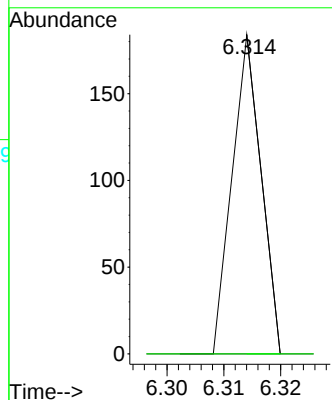
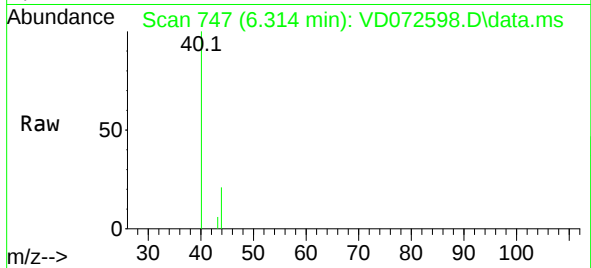




#23
 Vinyl Acetate
 Concen: 6.306 ug/l
 RT: 6.314 min Scan# 745
 Delta R.T. 0.011 min
 Lab File: VD072598.D
 Acq: 18 Apr 2022 15:29

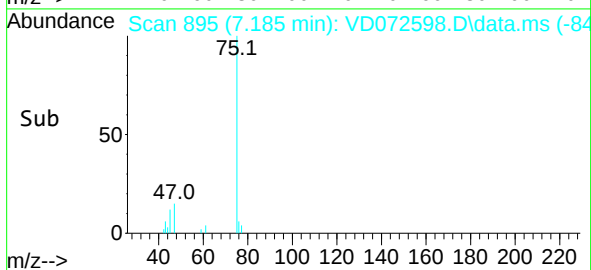
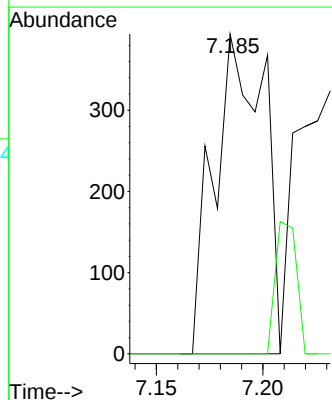
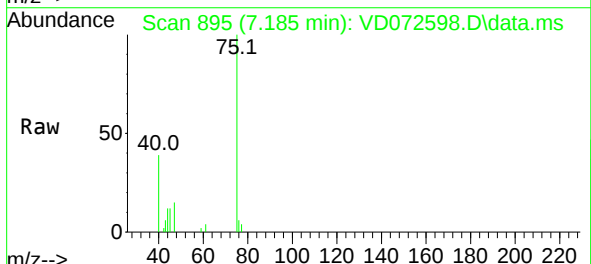
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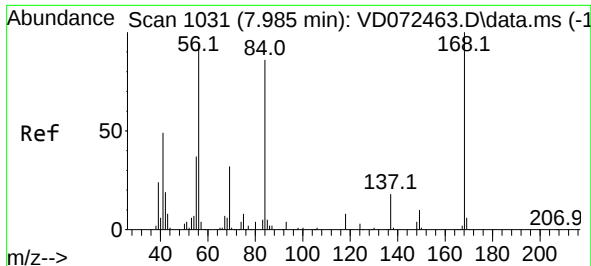
Tgt Ion: 43 Resp: 65
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.087 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.024 min
 Lab File: VD072598.D
 Acq: 18 Apr 2022 15:29

Tgt Ion: 43 Resp: 640
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#

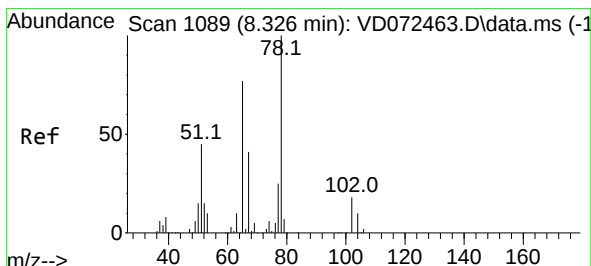
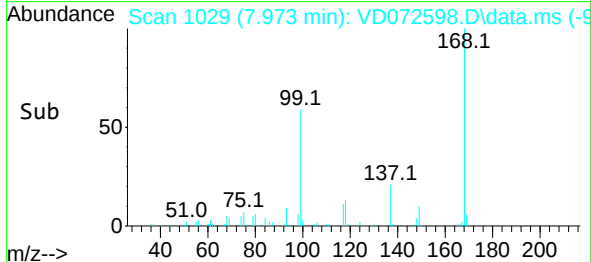
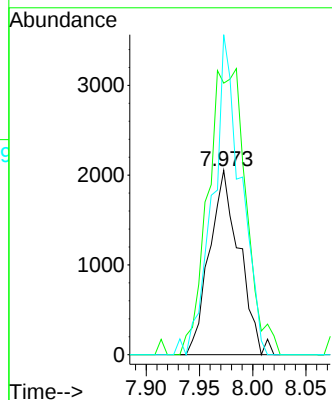
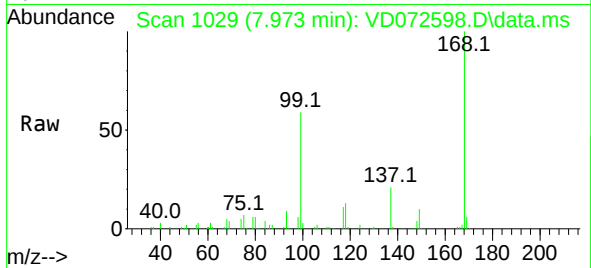




#31
Cyclohexane
Concen: 1.346 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

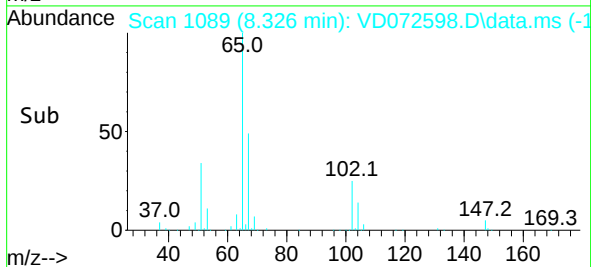
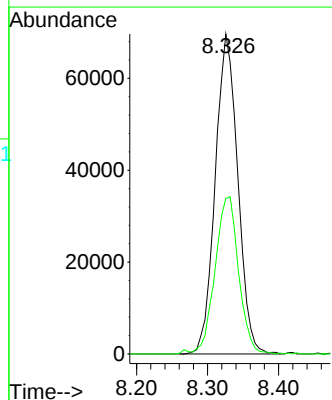
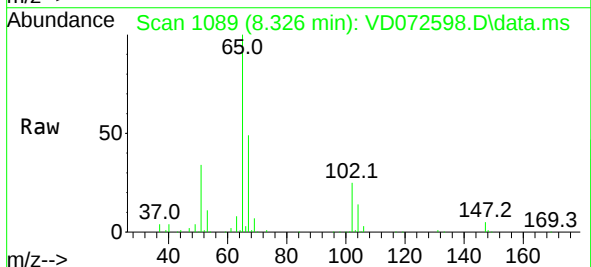
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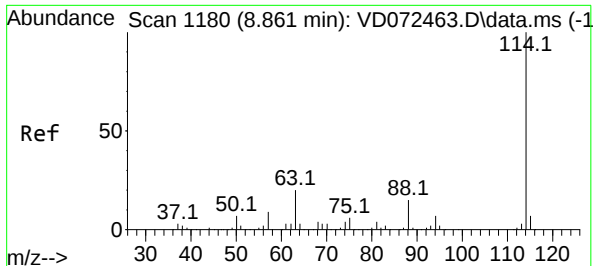
Tgt Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 147.3 25.4 38.2#
84 173.6 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 67.170 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

Tgt Ion: 65 Resp: 153291
Ion Ratio Lower Upper
65 100
67 51.1 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: VD072598.D

Acq: 18 Apr 2022 15:29

Instrument :

MSVOA_D

ClientSampleId :

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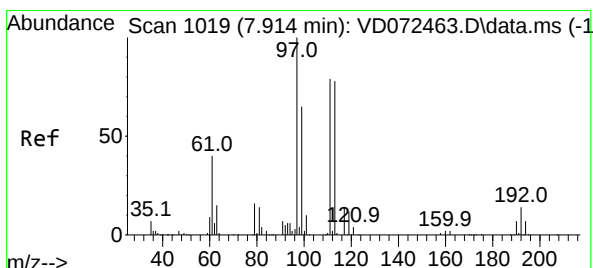
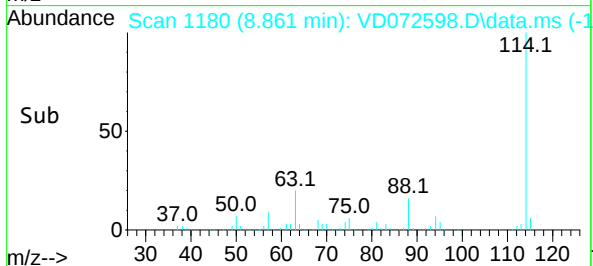
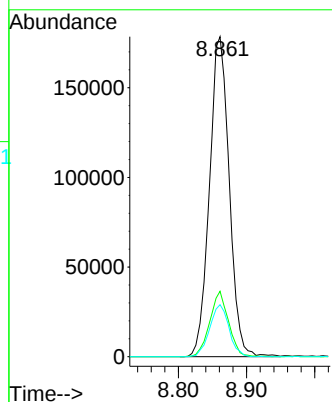
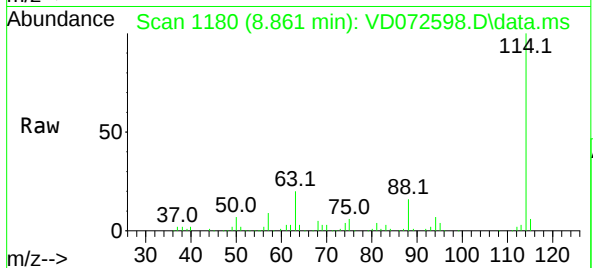
Tgt Ion:114 Resp: 360500

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.486 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

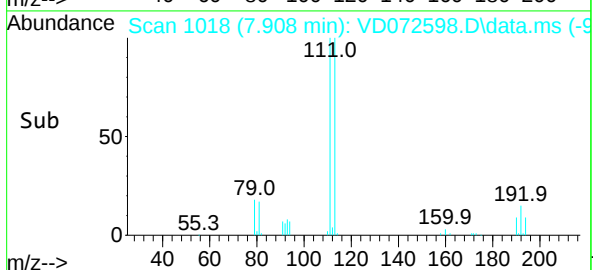
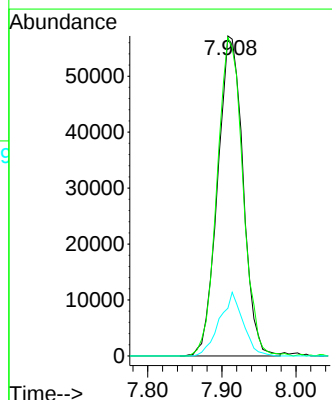
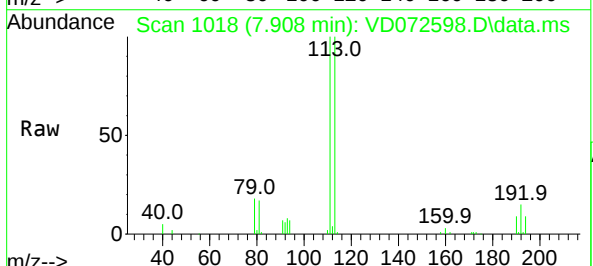
Tgt Ion:113 Resp: 135838

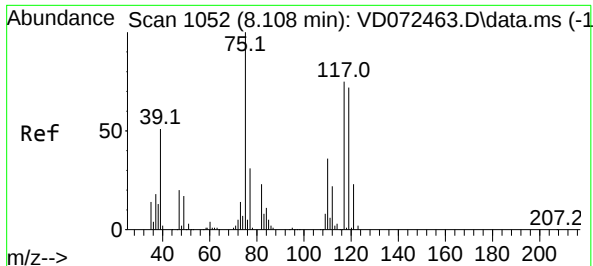
Ion Ratio Lower Upper

113 100

111 100.9 83.8 125.6

192 18.5 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.108 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

Instrument :

MSVOA_D

ClientSampleId :

PX-4

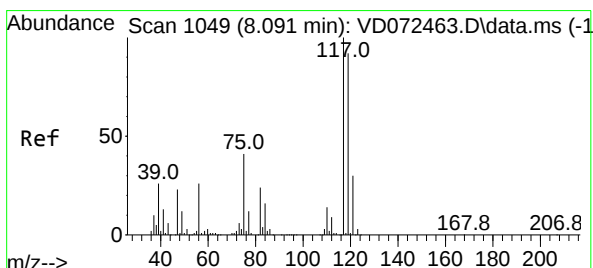
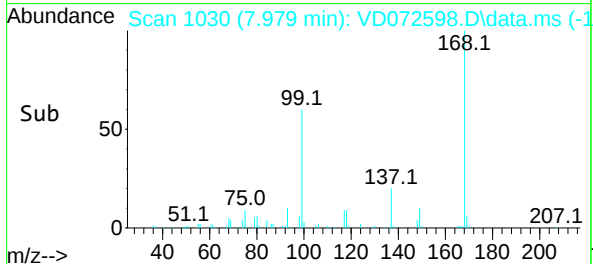
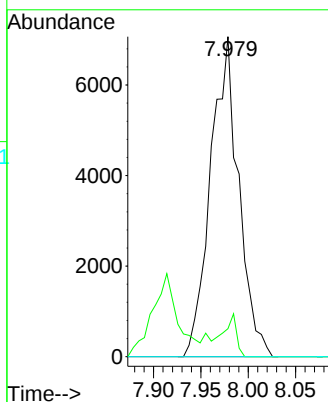
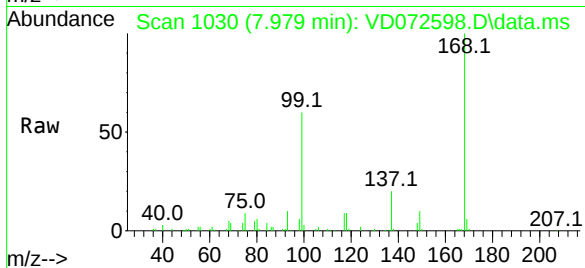
Tgt Ion: 75 Resp: 14591

Ion Ratio Lower Upper

75 100

110 6.5 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.072 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

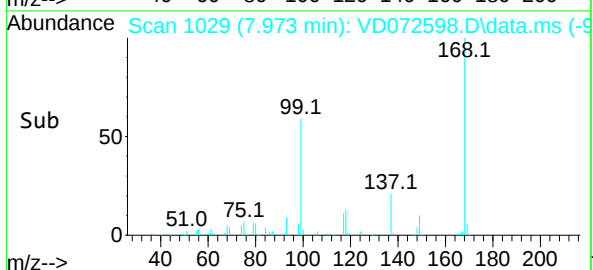
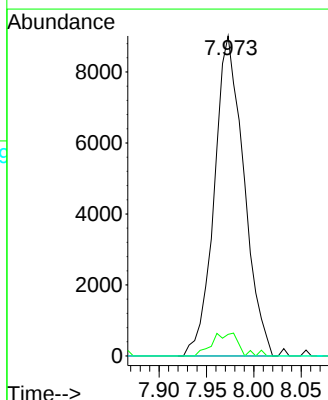
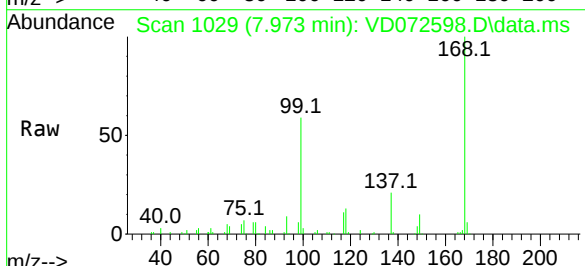
Tgt Ion: 117 Resp: 19576

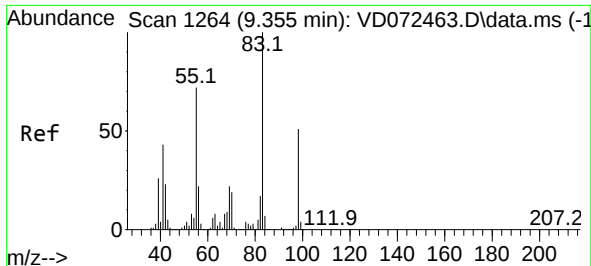
Ion Ratio Lower Upper

117 100

119 6.8 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.907 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.012 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

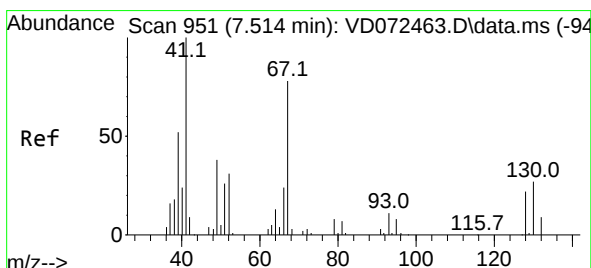
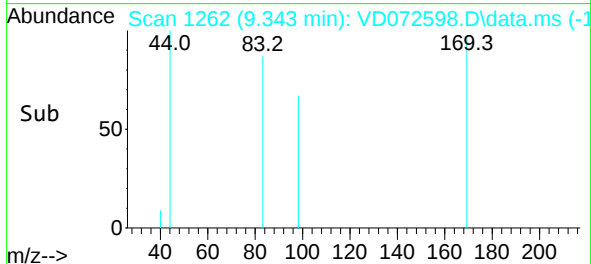
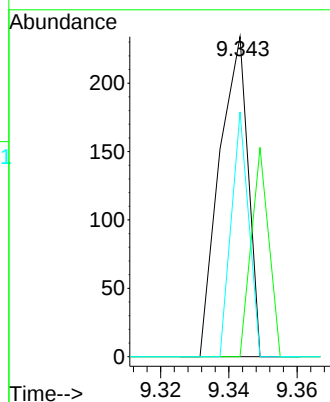
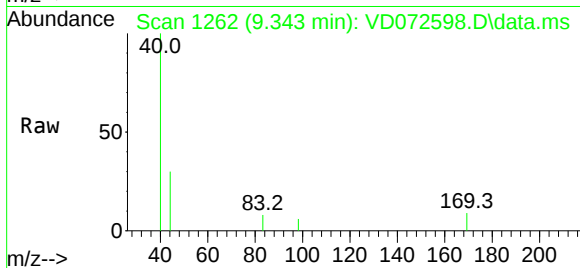
Instrument :

MSVOA_D

ClientSampleId :

PX-4

Tgt Ion: 83	Resp:	136
Ion	Ratio	Lower Upper
83	100	
55	0.0	63.2 94.8#
98	76.5	38.2 57.4#



#41

Methacrylonitrile

Concen: 1.947 ug/l

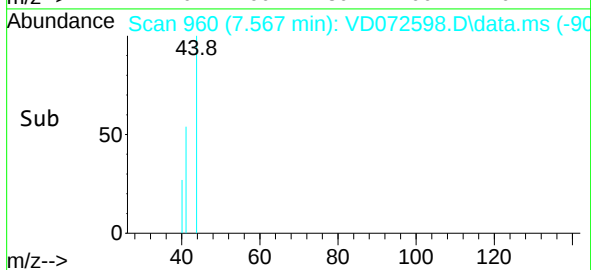
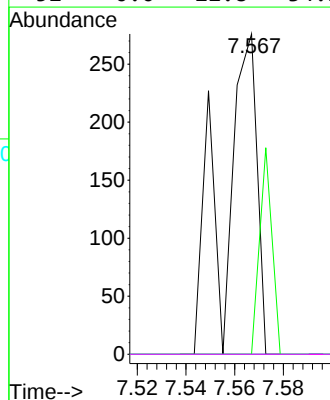
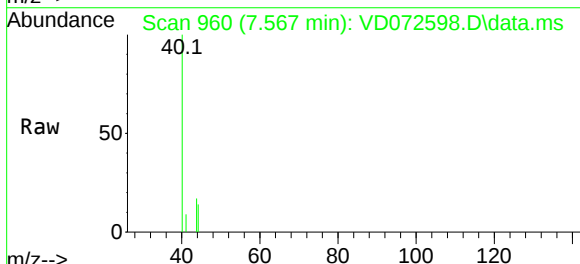
RT: 7.567 min Scan# 960

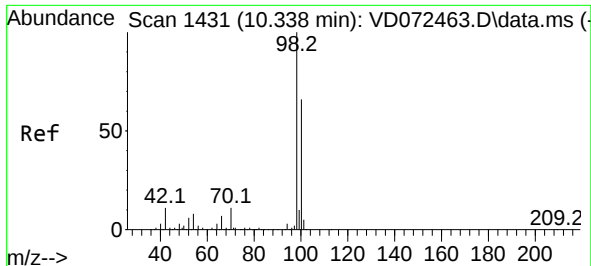
Delta R.T. 0.053 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

Tgt Ion: 41	Resp:	259
Ion	Ratio	Lower Upper
41	100	
39	24.3	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#

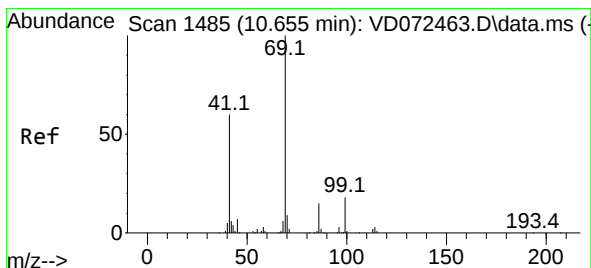
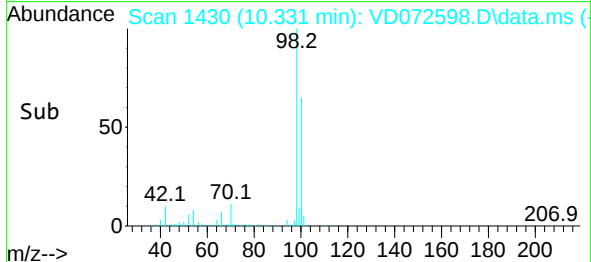
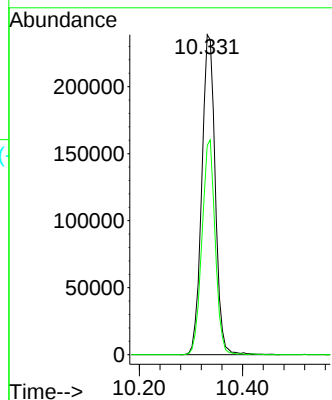
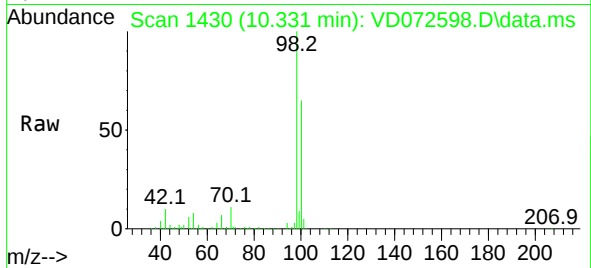




#50
Toluene-d8
Concen: 44.243 ug/l
RT: 10.331 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

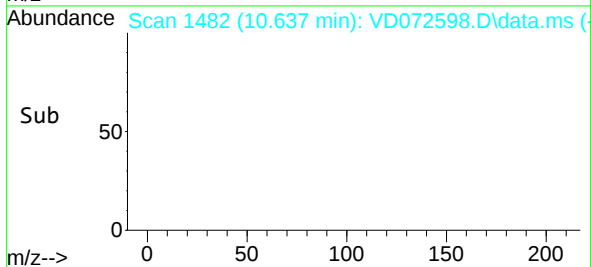
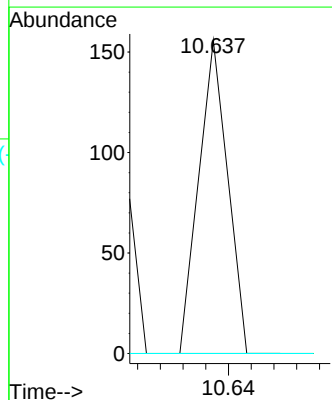
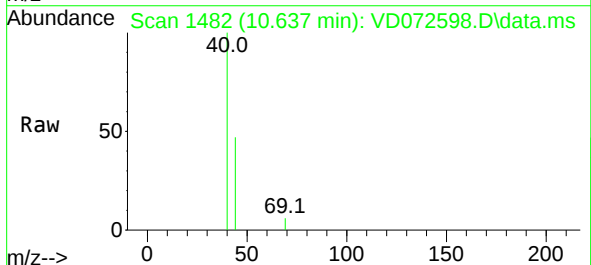
Instrument :
MSVOA_D
ClientSampleId :
PX-4

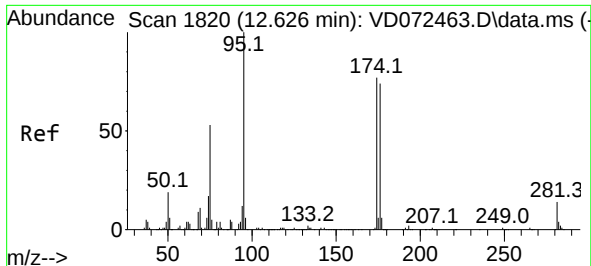
Tgt Ion: 98 Resp: 430860
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.211 ug/l
RT: 10.637 min Scan# 1482
Delta R.T. -0.018 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 0.0 33.8 50.8#

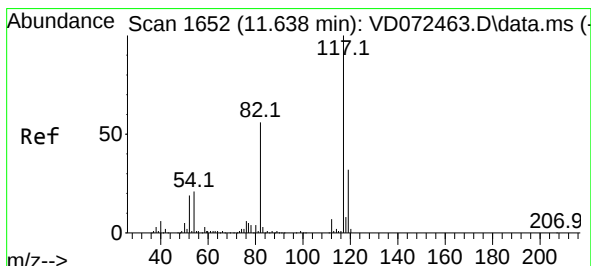
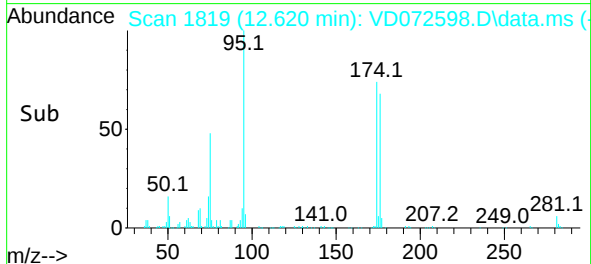
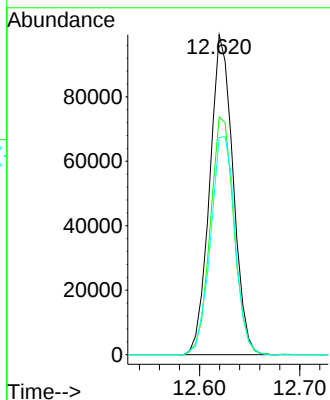
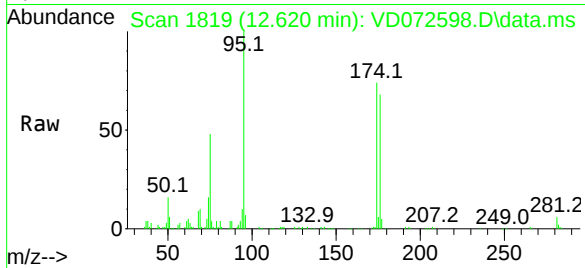




#62
4-Bromofluorobenzene
Concen: 42.253 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

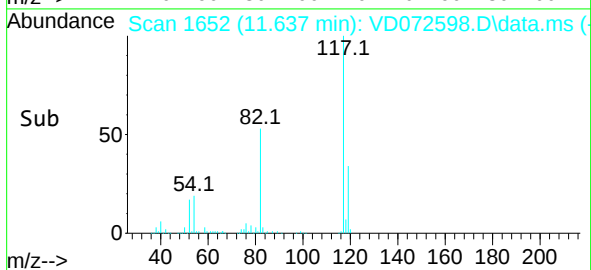
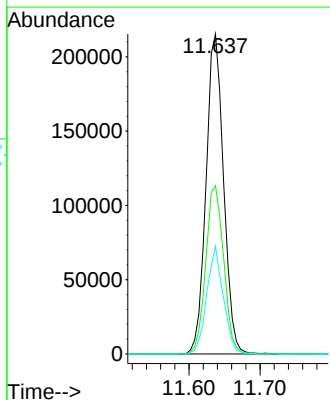
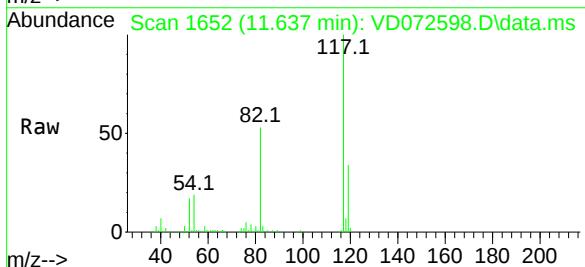
Instrument :
MSVOA_D
ClientSampleId :
PX-4

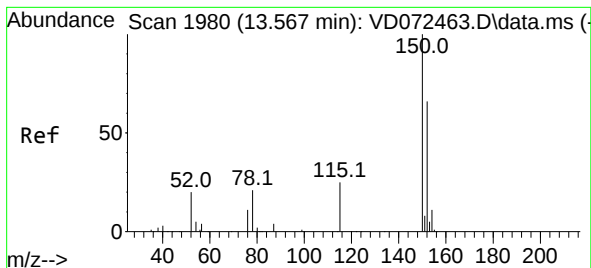
Tgt Ion: 95 Resp: 160703
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 71.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072598.D
Acq: 18 Apr 2022 15:29

Tgt Ion: 117 Resp: 369959
Ion Ratio Lower Upper
117 100
82 52.6 45.3 67.9
119 33.7 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD072598.D

Acq: 18 Apr 2022 15:29

Instrument :

MSVOA_D

ClientSampleId :

PX-4

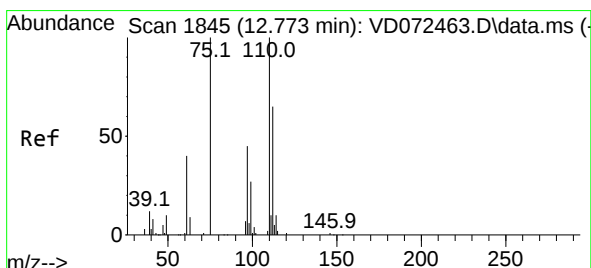
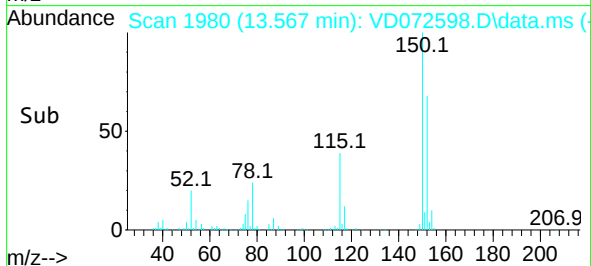
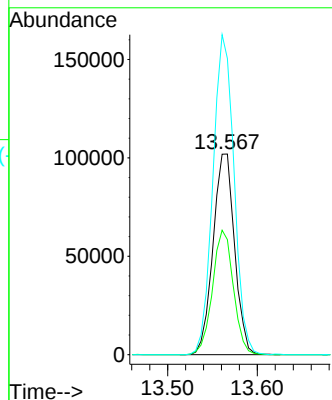
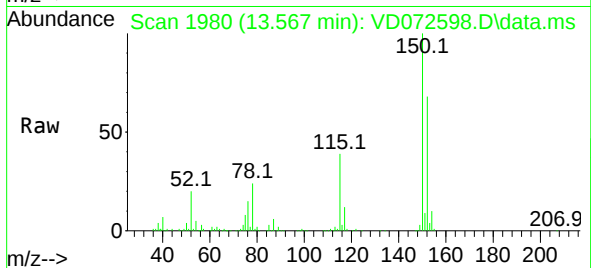
Tgt Ion:152 Resp: 170159

Ion Ratio Lower Upper

152 100

115 60.1 31.3 93.8

150 156.3 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 41.543 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.153 min

Lab File: VD072598.D

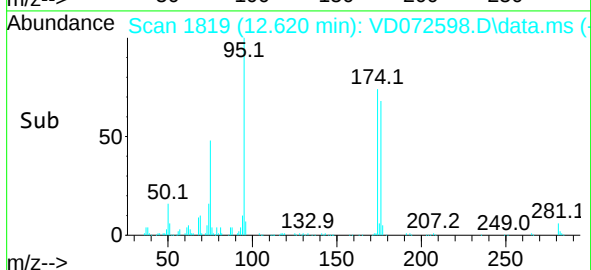
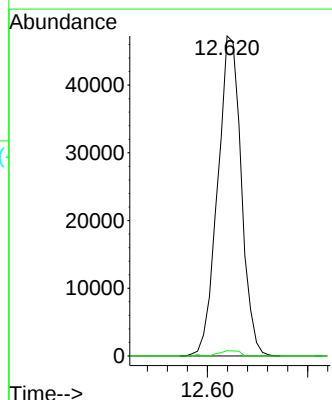
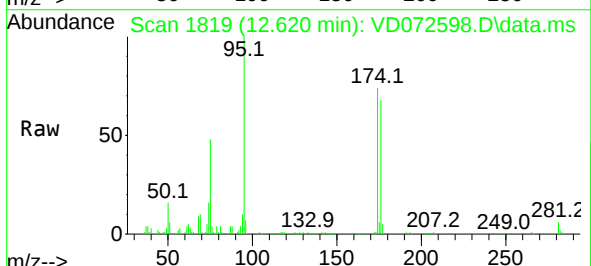
Acq: 18 Apr 2022 15:29

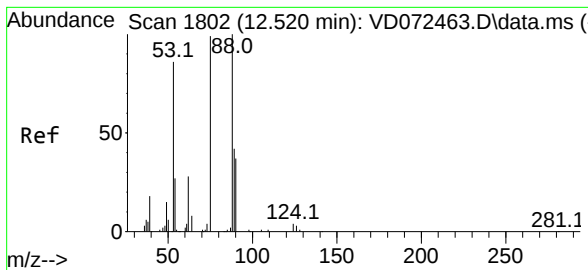
Tgt Ion: 75 Resp: 77098

Ion Ratio Lower Upper

75 100

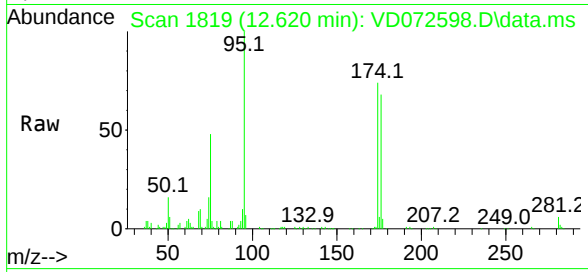
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.939 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072598.D
 Acq: 18 Apr 2022 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 PX-4



Tgt Ion: 75 Resp: 77098
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 0.1 33.9 50.9#

