

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091021\
 Data File : VX024171.D
 Acq On : 10 Sep 2021 17:19
 Operator : JC/MD
 Sample : M3689-05 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 04:25:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 11:57:51 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

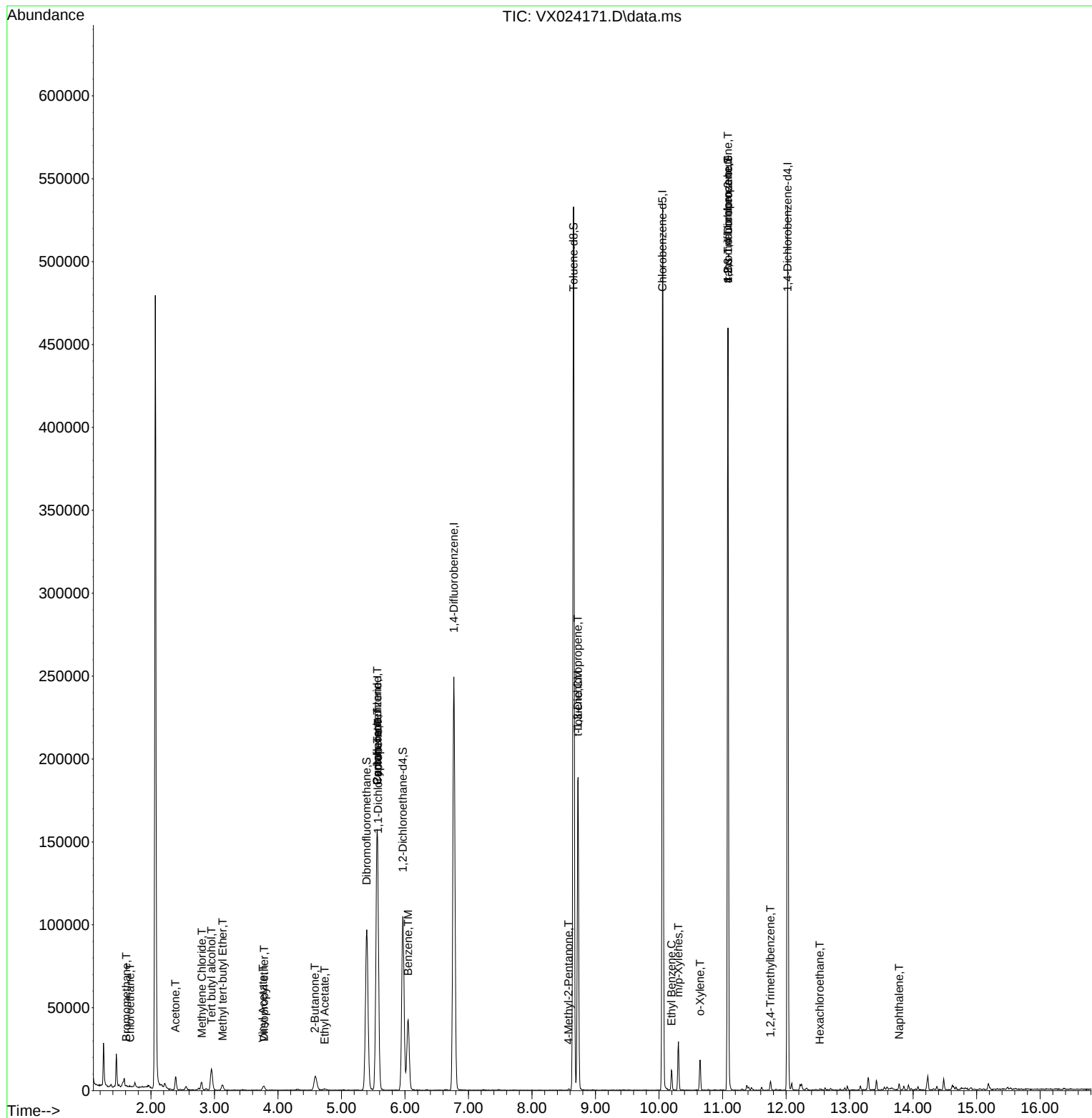
Internal Standards						
1) Pentafluorobenzene	5.562	168	148038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	248187	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	235043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106919	51.748	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.500%
35) Dibromofluoromethane	5.397	113	82113	49.987	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.980%
50) Toluene-d8	8.653	98	301644	48.246	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.500%
62) 4-Bromofluorobenzene	11.085	95	113673	49.389	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%
Target Compounds						Qvalue
5) Bromomethane	1.611	94	407	0.387	ug/l	96
6) Chloroethane	1.672	64	401	2.492	ug/l #	43
11) Tert butyl alcohol	2.953	59	8038	19.237	ug/l #	73
16) Acetone	2.386	43	8509	9.211	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	3025	0.612	ug/l	98
20) Methylene Chloride	2.800	84	2318	1.314	ug/l	91
22) Diisopropyl ether	3.782	45	2606	0.500	ug/l #	80
23) Vinyl Acetate	3.764	43	1444	0.342	ug/l #	68
25) 2-Butanone	4.580	43	3864	2.761	ug/l	94
31) Cyclohexane	5.562	56	3311	1.247	ug/l #	1
36) 1,1-Dichloropropene	5.574	75	11618	5.055	ug/l #	50
37) Ethyl Acetate	4.733	43	1461	0.517	ug/l #	72
38) Carbon Tetrachloride	5.562	117	15614	6.515	ug/l #	16
40) Benzene	6.050	78	50008	7.358	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	579	0.203	ug/l #	73
52) Toluene	8.726	92	69644	15.814	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	897	2.430	ug/l #	1
67) Ethyl Benzene	10.195	91	6482	0.757	ug/l	93
68) m/p-Xylenes	10.305	106	6362	1.950	ug/l	97
69) o-Xylene	10.646	106	3883	1.211	ug/l	98
76) 1,2,3-Trichloropropane	11.085	75	60899	25.110	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	60899	73.862	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	2372	0.365	ug/l	89
90) Hexachloroethane	12.530	117	49	1.508	ug/l #	9
95) Naphthalene	13.780	128	2603	1.616	ug/l	99

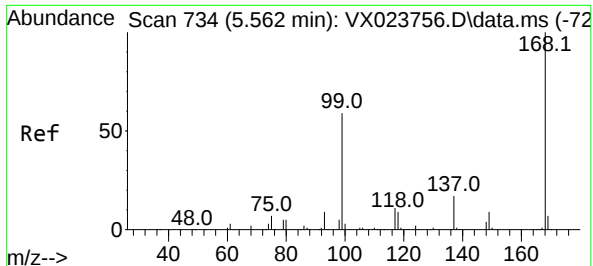
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Sep 11 04:25:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081721W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

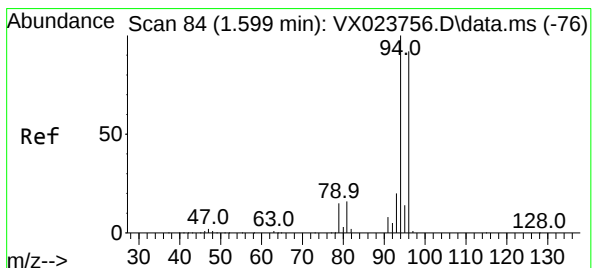
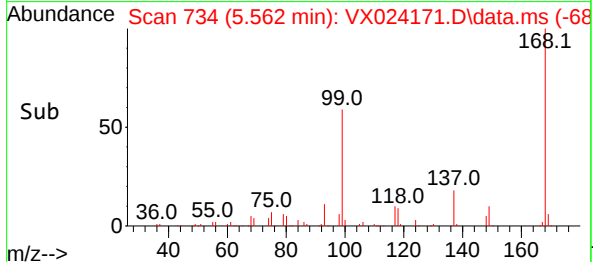
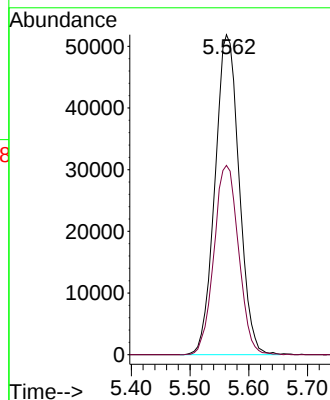
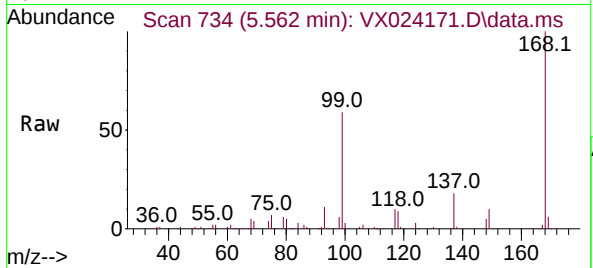




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

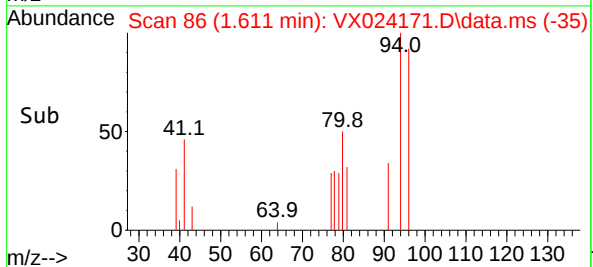
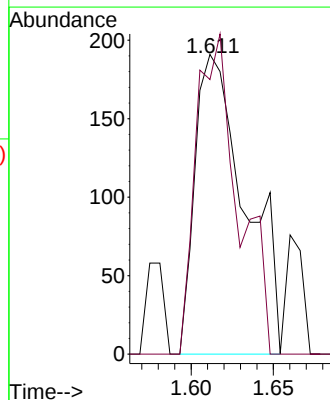
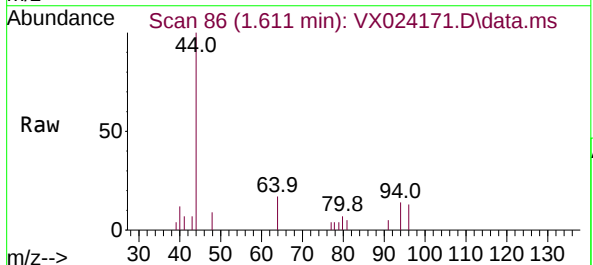
Instrument :
MSVOA_X
ClientSampleId :

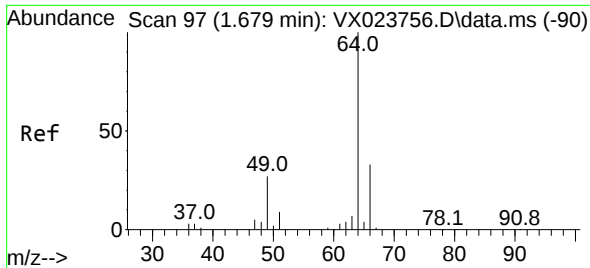
Tgt Ion:168 Resp: 148038
Ion Ratio Lower Upper
168 100
99 59.2 45.8 68.6



#5
Bromomethane
Concen: 0.387 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 91.6 76.4 114.6

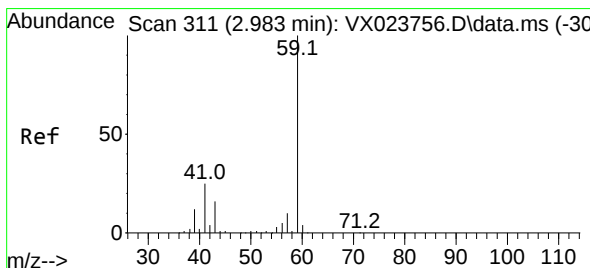
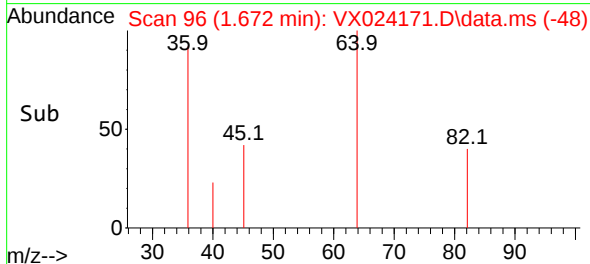
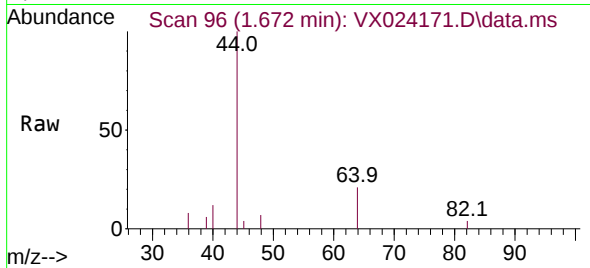




#6
Chloroethane
Concen: 2.492 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

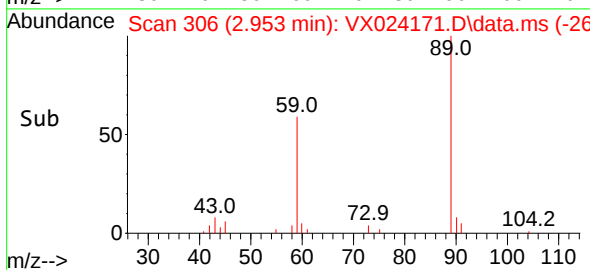
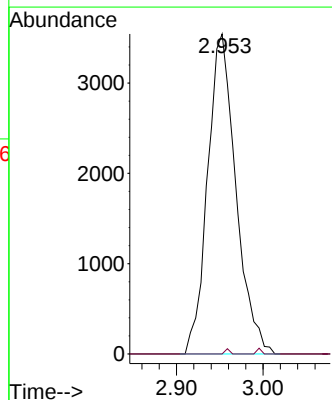
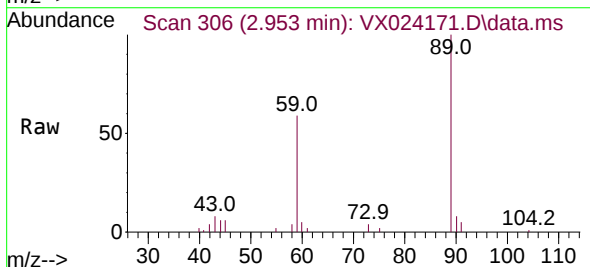
Instrument :
MSVOA_X
ClientSampled :

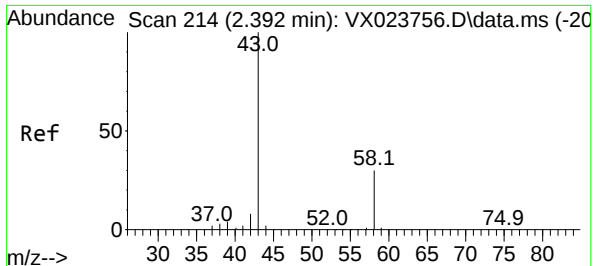
Tgt Ion: 64 Resp: 401
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 19.237 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 59 Resp: 8038
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

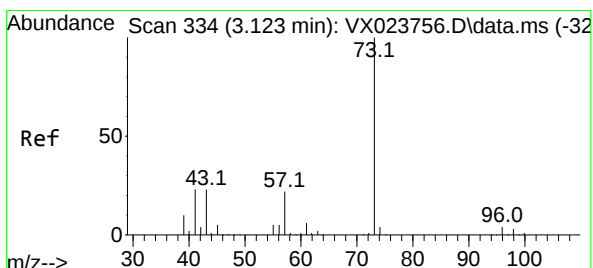
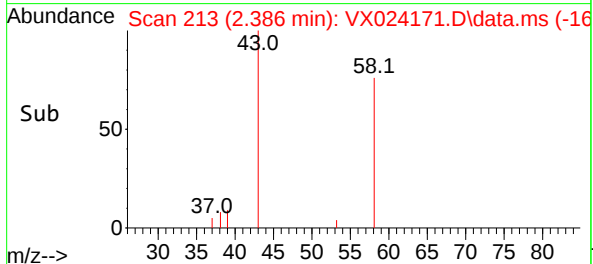
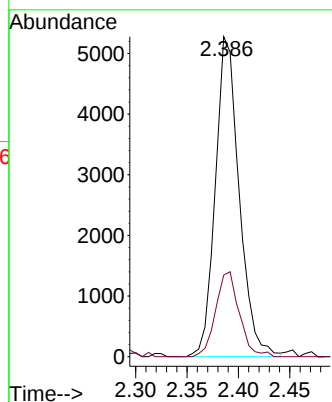
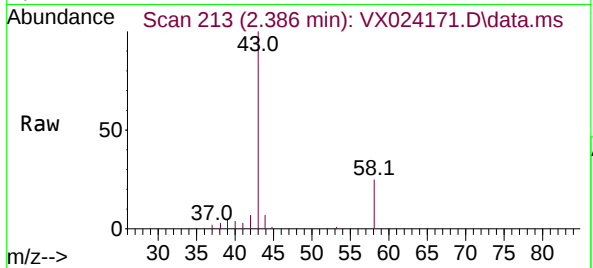




#16
Acetone
Concen: 9.211 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

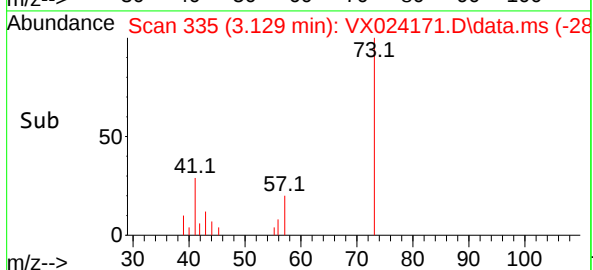
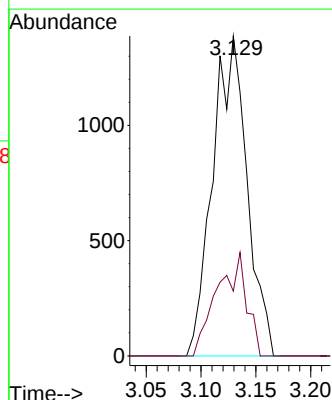
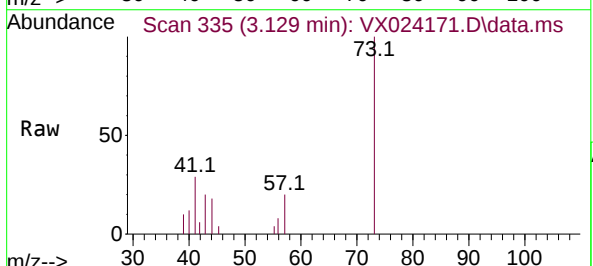
Instrument :
MSVOA_X
ClientSampleId :

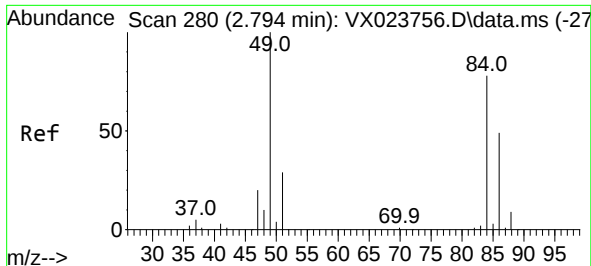
Tgt Ion: 43 Resp: 8509
Ion Ratio Lower Upper
43 100
58 25.5 27.8 41.8#



#19
Methyl tert-butyl Ether
Concen: 0.612 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

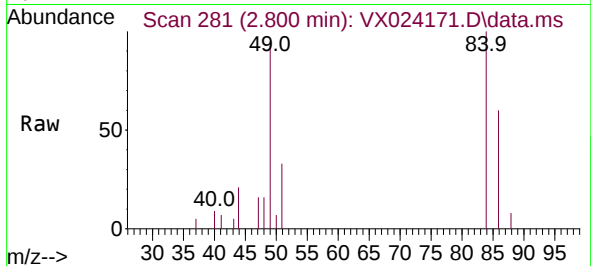
Tgt Ion: 73 Resp: 3025
Ion Ratio Lower Upper
73 100
57 20.2 17.1 25.7



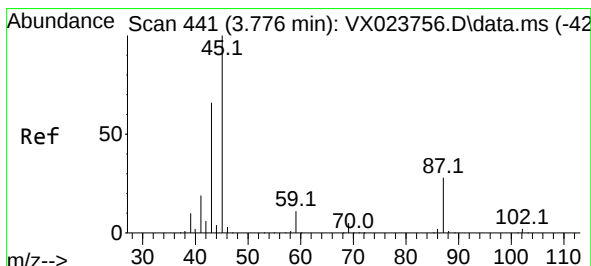
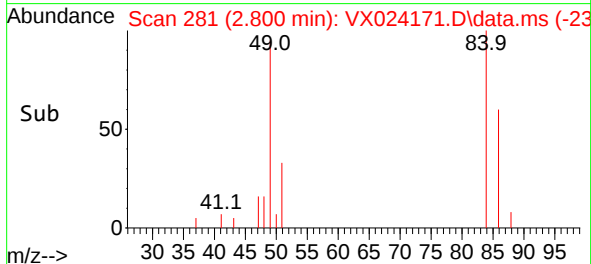
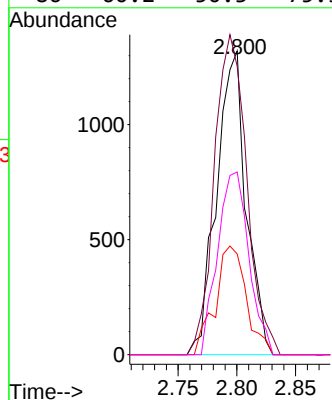


#20
Methylene Chloride
Concen: 1.314 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

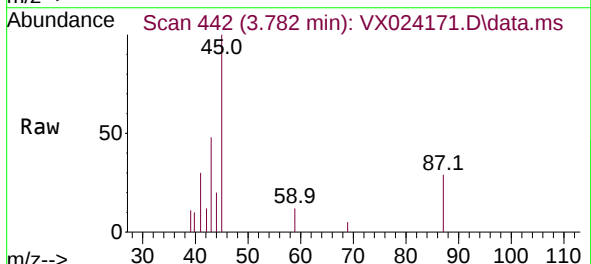
Instrument :
MSVOA_X
ClientSampled :



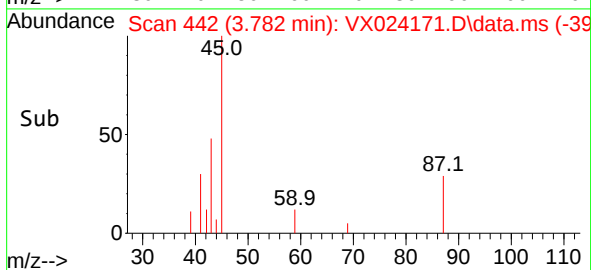
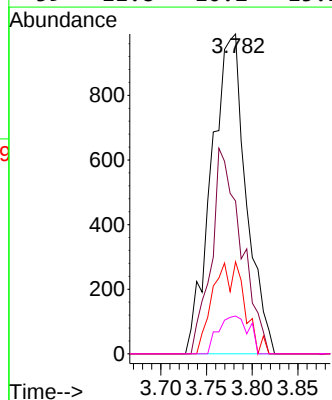
Tgt Ion: 84	Resp: 2318
Ion Ratio	Lower Upper
84 100	
49 95.0	88.6 132.8
51 33.2	27.0 40.6
86 60.2	50.3 75.5

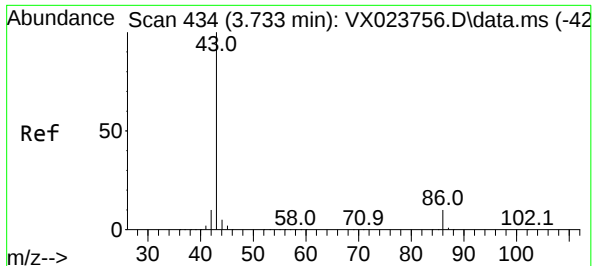


#22
Diisopropyl ether
Concen: 0.500 ug/l
RT: 3.782 min Scan# 442
Delta R.T. 0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19



Tgt Ion: 45	Resp: 2606
Ion Ratio	Lower Upper
45 100	
43 47.8	58.0 87.0#
87 28.8	25.4 38.0
59 11.8	10.2 15.2

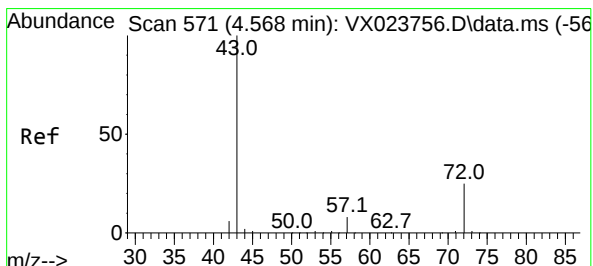
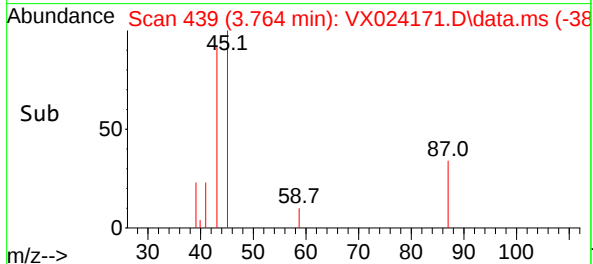
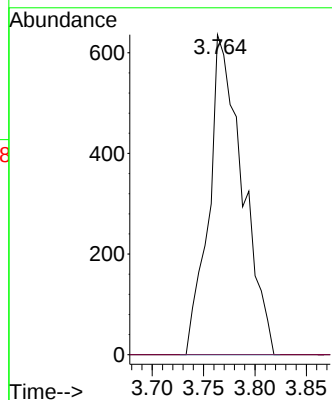
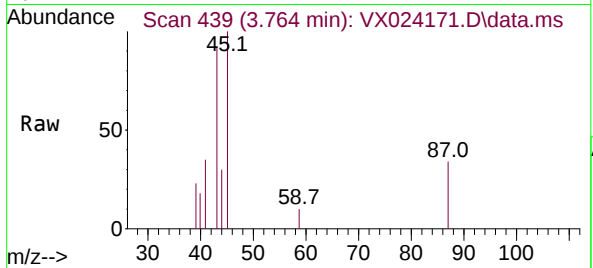




#23
 Vinyl Acetate
 Concen: 0.342 ug/l
 RT: 3.764 min Scan# 439
 Delta R.T. 0.030 min
 Lab File: VX024171.D
 Acq: 10 Sep 2021 17:19

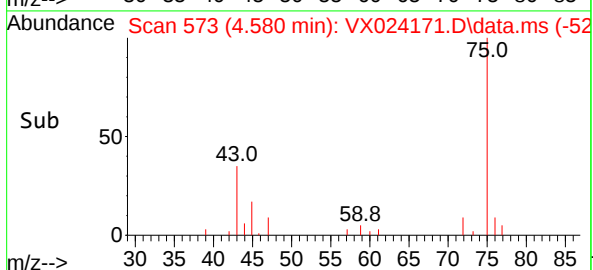
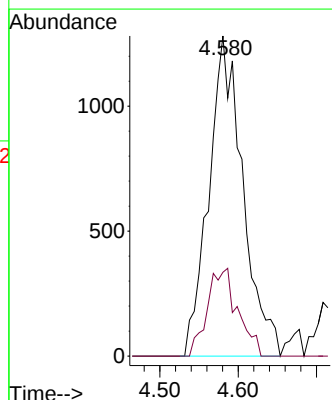
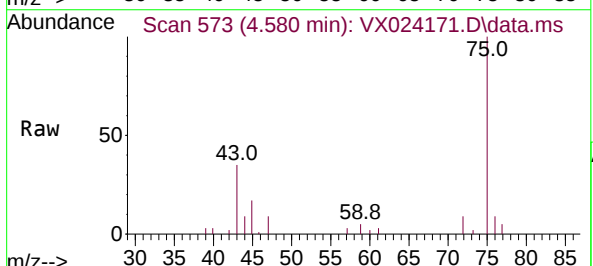
Instrument :
 MSVOA_X
 ClientSampled :

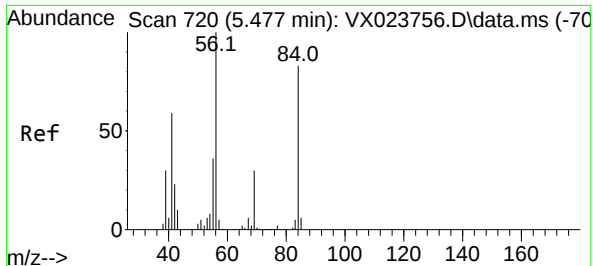
Tgt Ion: 43 Resp: 1444
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 2.761 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.012 min
 Lab File: VX024171.D
 Acq: 10 Sep 2021 17:19

Tgt Ion: 43 Resp: 3864
 Ion Ratio Lower Upper
 43 100
 72 26.2 23.7 35.5

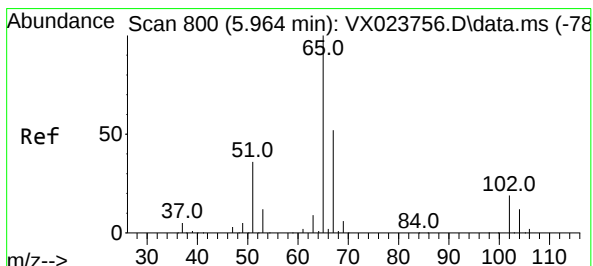
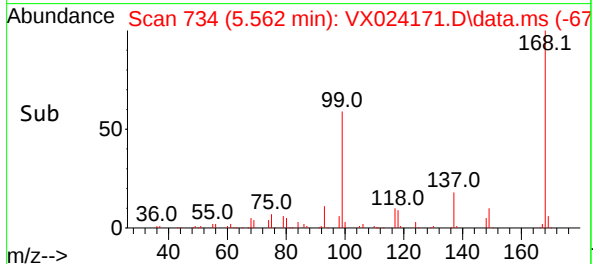
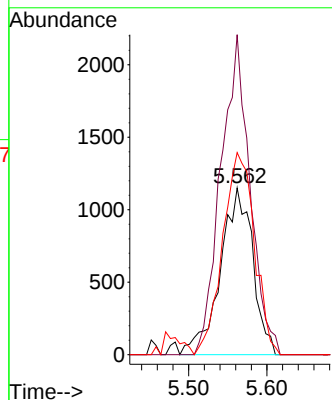
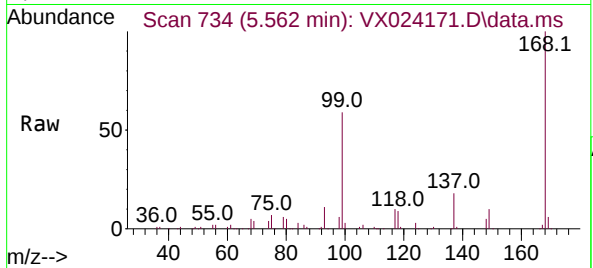




#31
Cyclohexane
Concen: 1.247 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

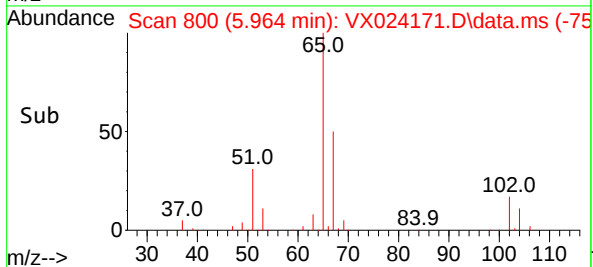
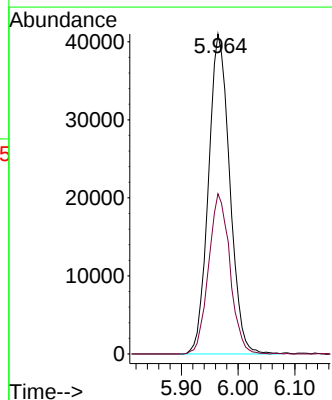
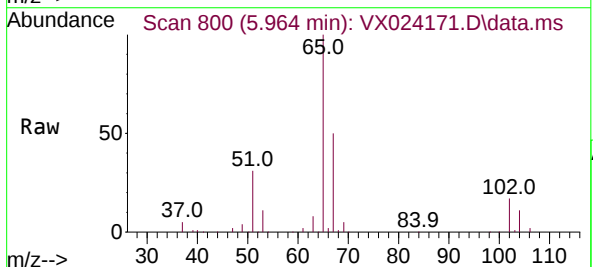
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MSVOA_X
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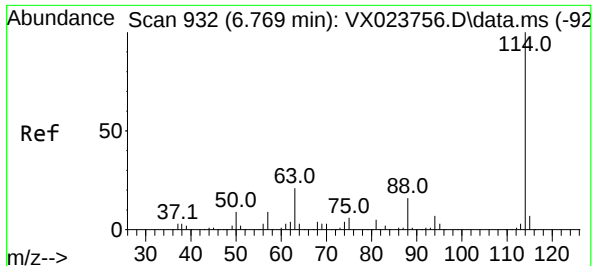
Tgt Ion: 56 Resp: 3311
Ion Ratio Lower Upper
56 100
69 191.8 25.3 37.9#
84 121.1 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.748 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 65 Resp: 106919
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.4

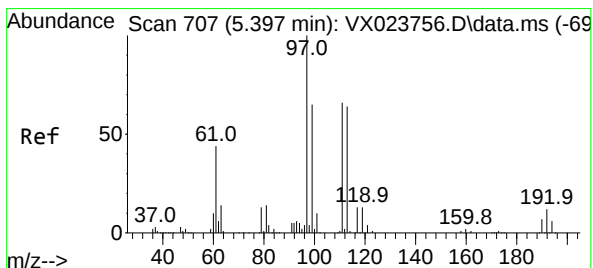
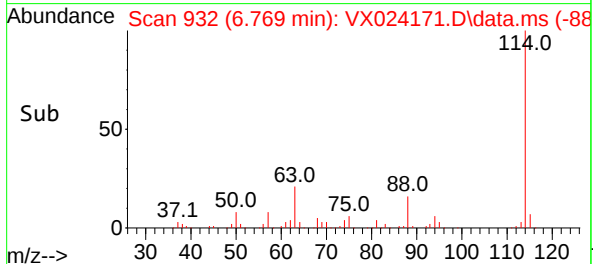
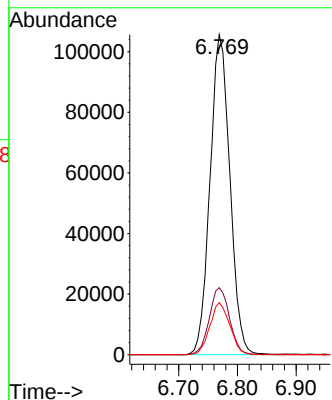
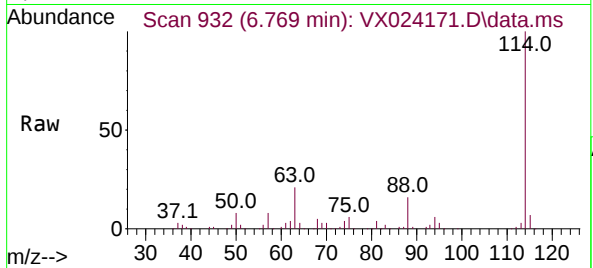




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

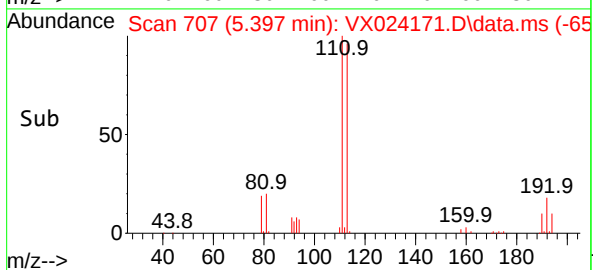
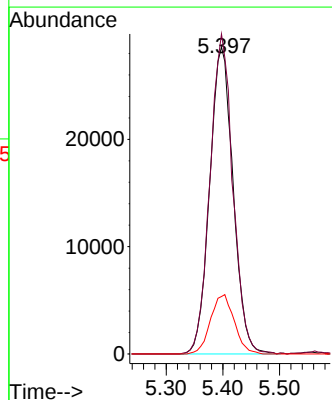
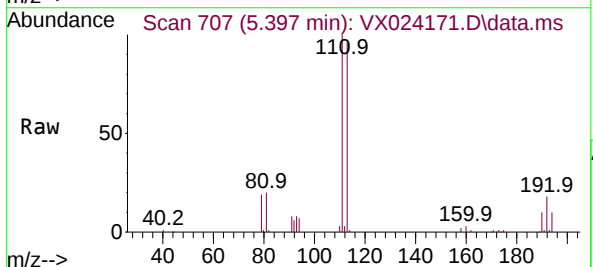
Instrument :
MSVOA_X
ClientSampleId :

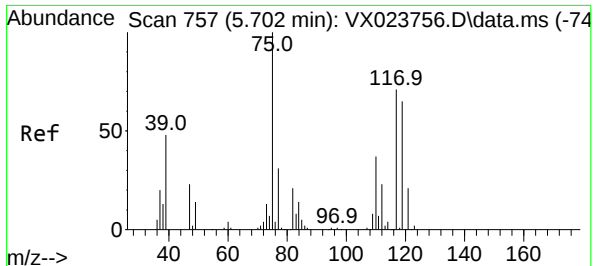
Tgt Ion:114 Resp: 248187
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.987 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion:113 Resp: 82113
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 19.6 16.7 25.1

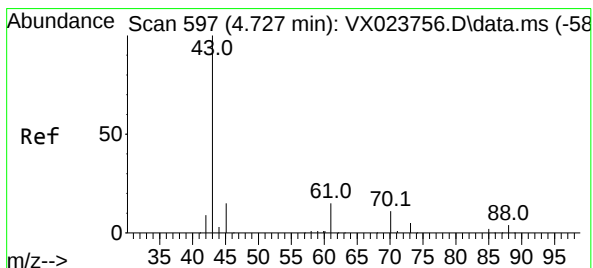
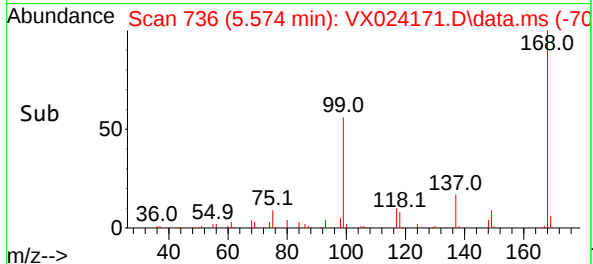
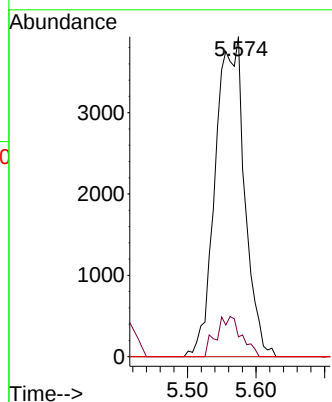
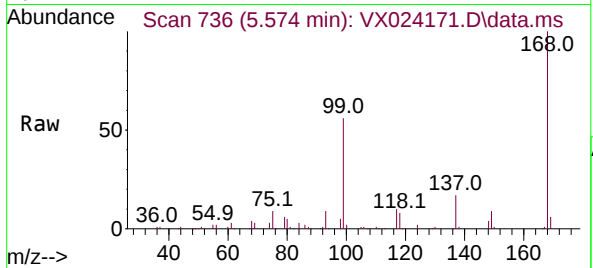




#36
1,1-Dichloropropene
Concen: 5.055 ug/l
RT: 5.574 min Scan# 736
Delta R.T. -0.128 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

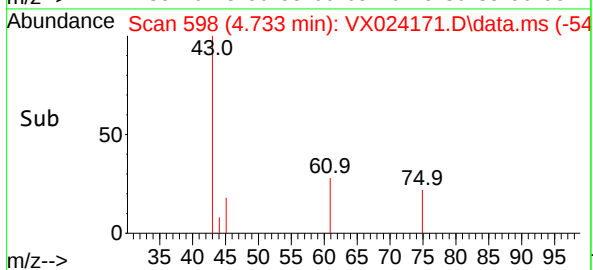
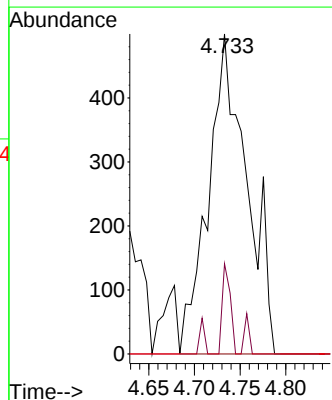
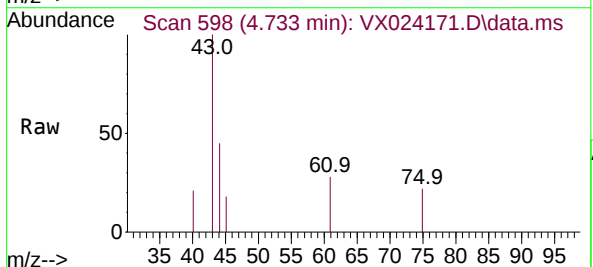
Instrument :
MSVOA_X
ClientSampled :

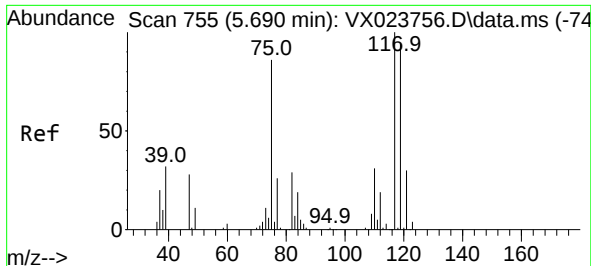
Tgt Ion: 75 Resp: 11618
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.517 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

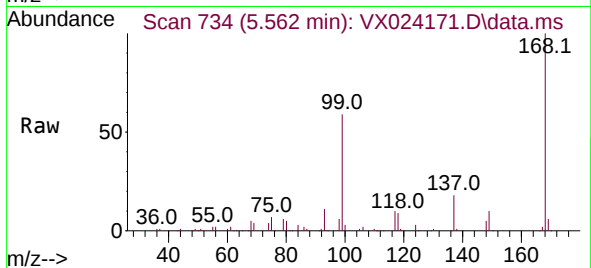
Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
61 5.9 12.8 19.2#
70 0.0 10.5 15.7#



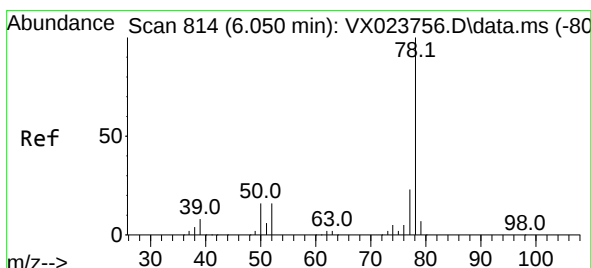
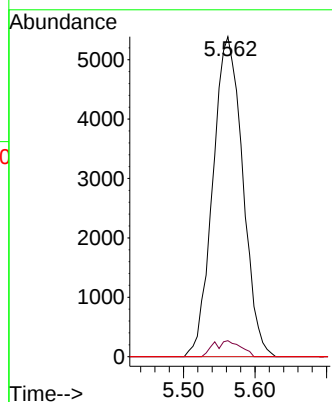
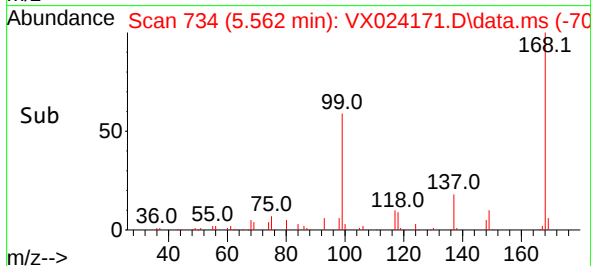


#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

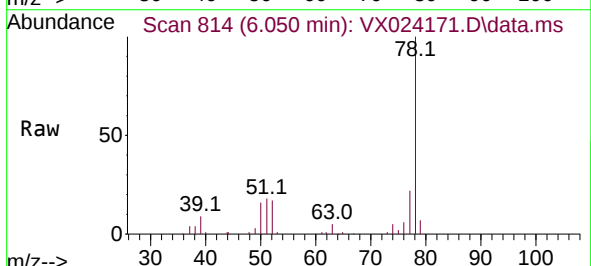
Instrument :
MSVOA_X
ClientSampled :



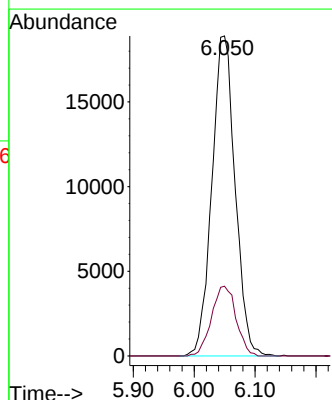
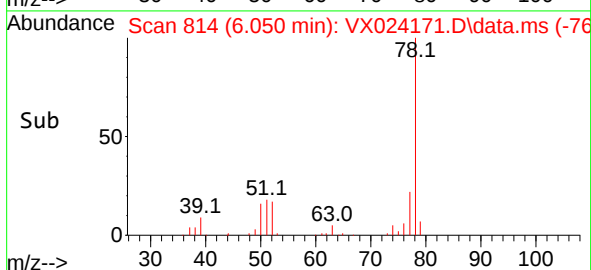
Tgt Ion:117 Resp: 15614
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.8 37.2#

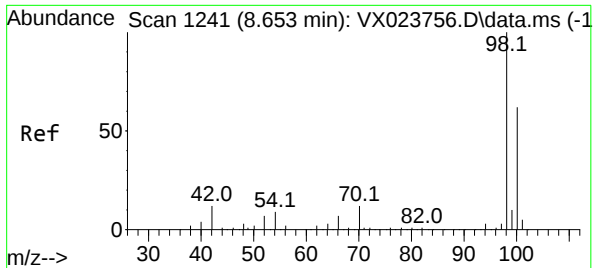


#40
Benzene
Concen: 7.358 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19



Tgt Ion: 78 Resp: 50008
Ion Ratio Lower Upper
78 100
77 21.8 18.9 28.3

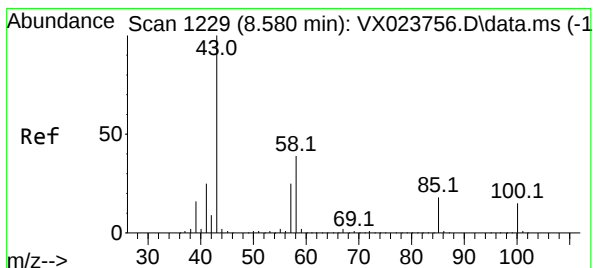
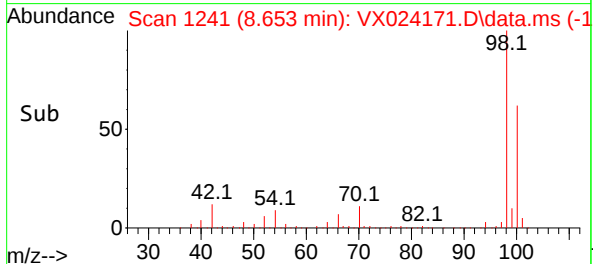
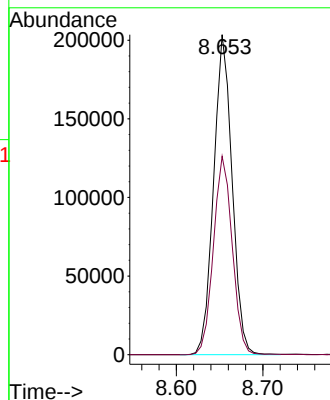
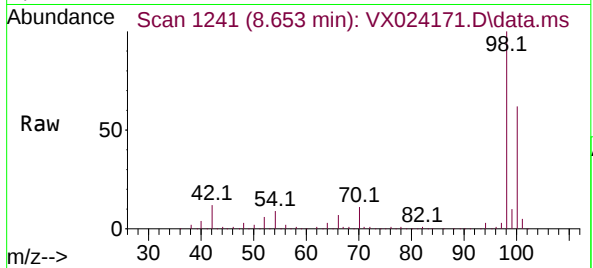




#50
Toluene-d8
Concen: 48.246 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

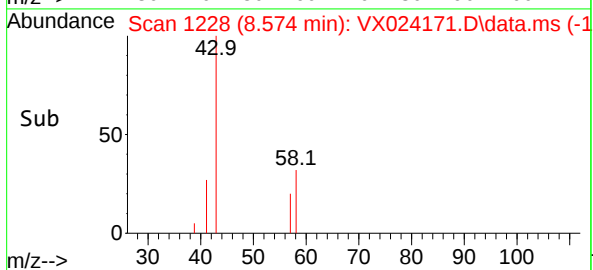
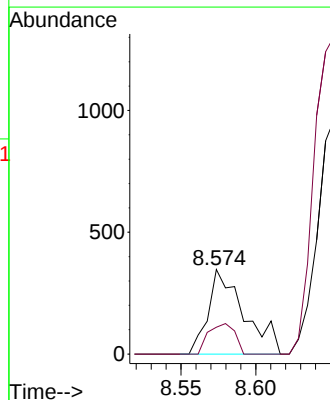
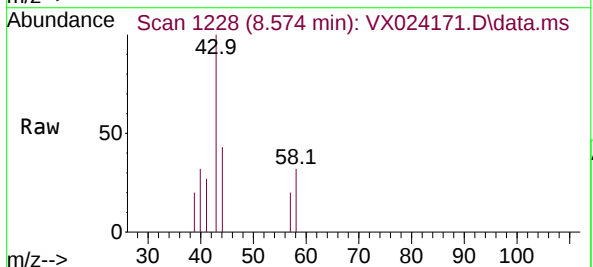
Instrument :
MSVOA_X
ClientSampled :

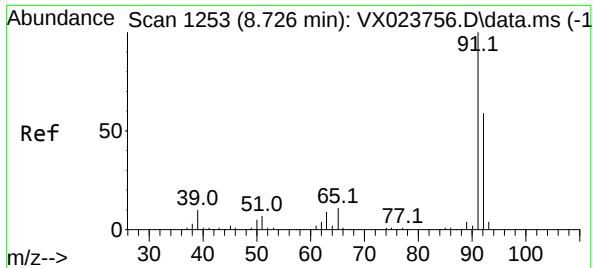
Tgt Ion: 98 Resp: 301644
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 26.4 35.4 53.0#

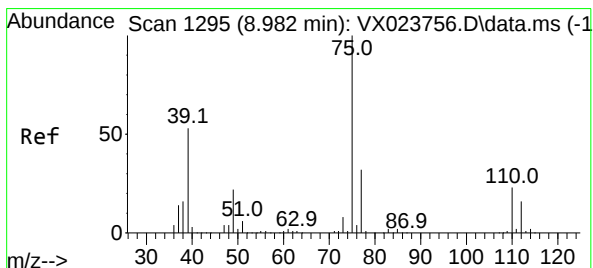
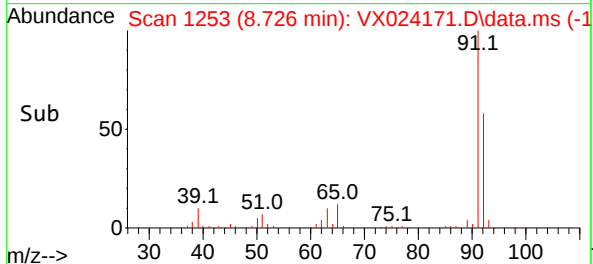
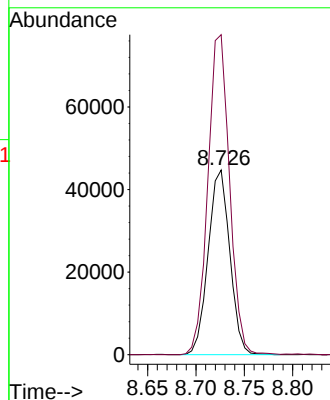
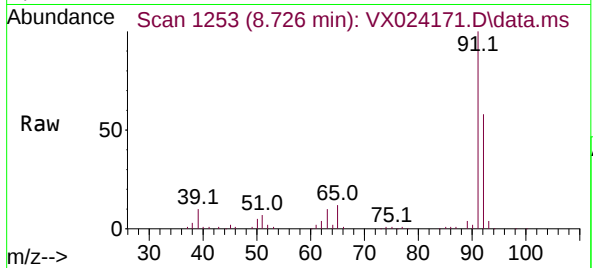




#52
Toluene
Concen: 15.814 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

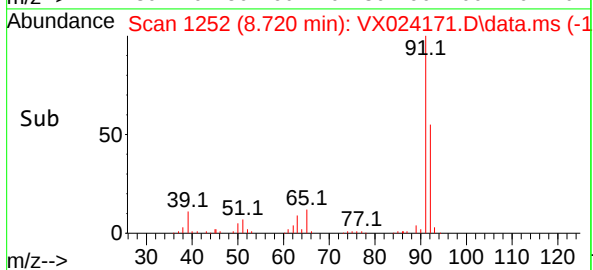
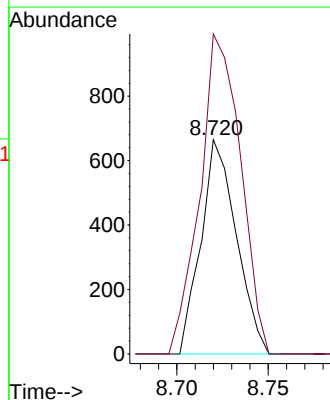
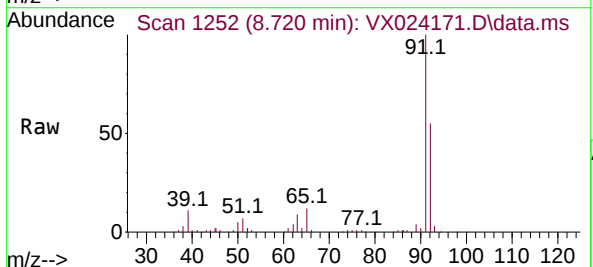
Instrument :
MSVOA_X
ClientSampled :

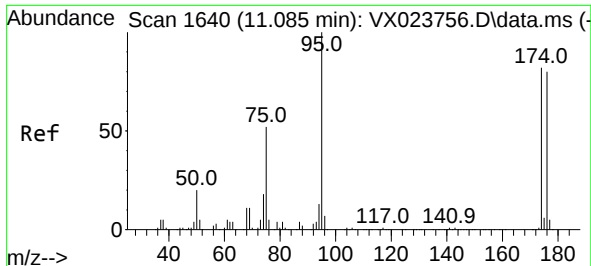
Tgt Ion: 92 Resp: 69644
Ion Ratio Lower Upper
92 100
91 173.7 137.1 205.7



#53
t-1,3-Dichloropropene
Concen: 2.430 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 75 Resp: 897
Ion Ratio Lower Upper
75 100
77 149.3 24.9 37.3#

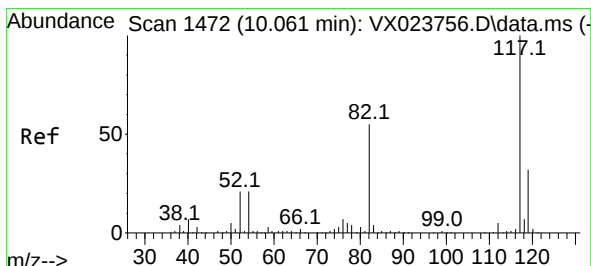
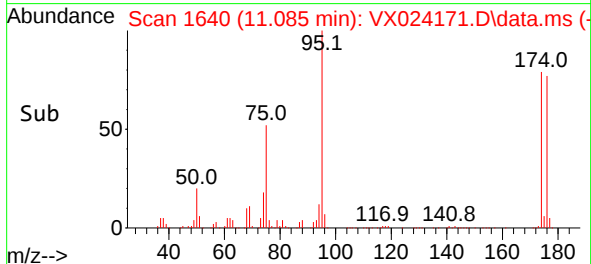
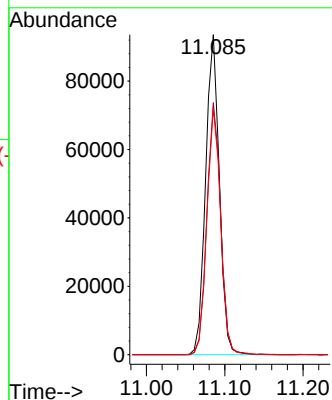
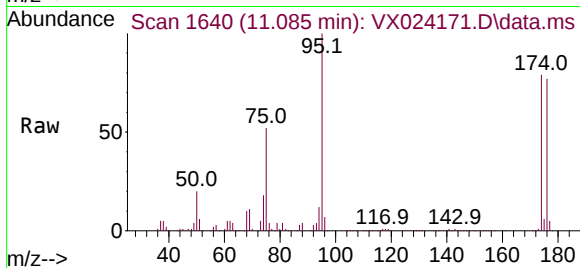




#62
4-Bromofluorobenzene
Concen: 49.389 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

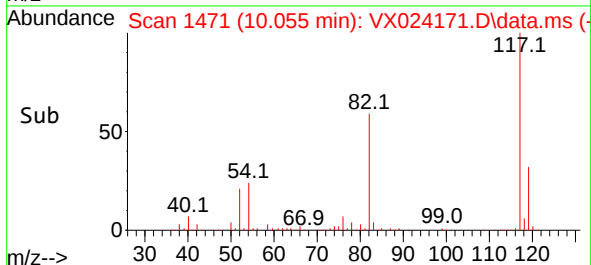
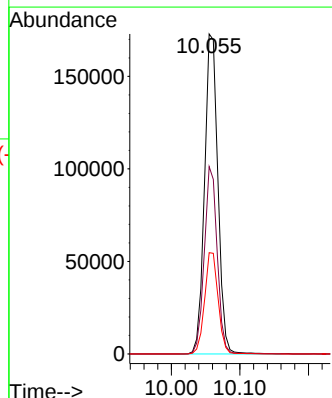
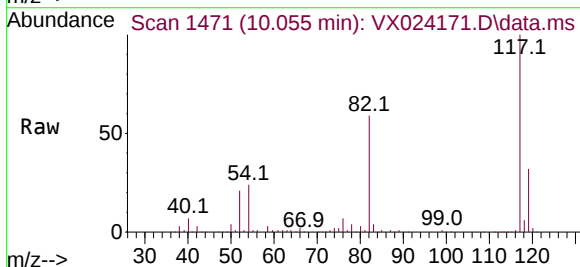
Instrument :
MSVOA_X
ClientSampleId :

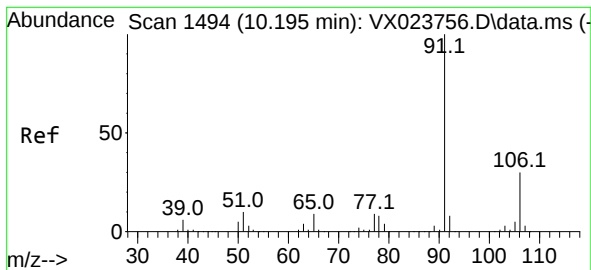
Tgt Ion: 95 Resp: 113673
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.6
176 77.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 117 Resp: 235043
Ion Ratio Lower Upper
117 100
82 58.6 47.4 71.2
119 31.7 26.6 39.8

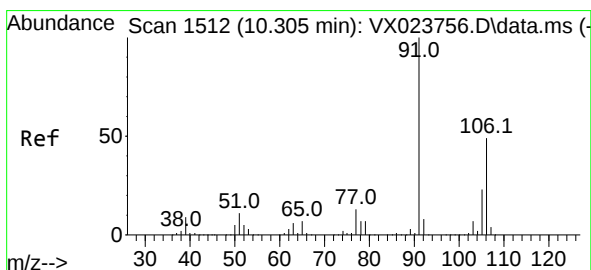
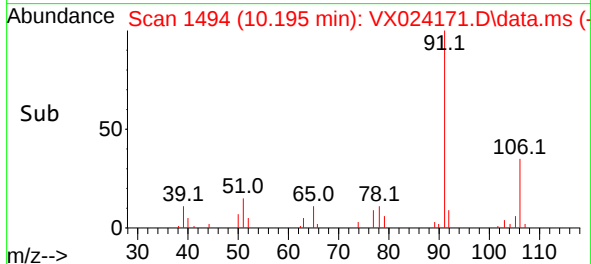
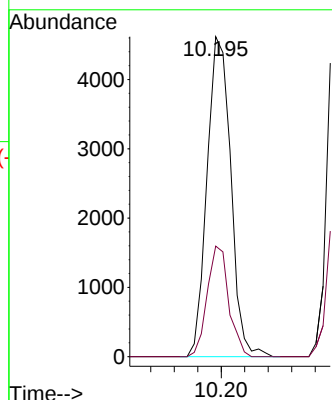
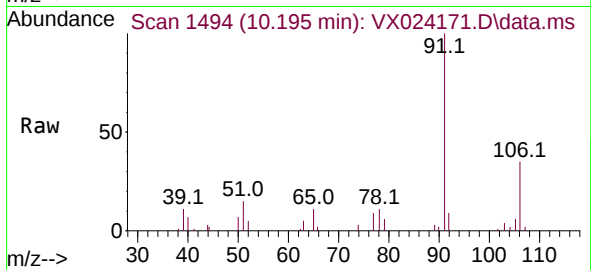




#67
Ethyl Benzene
Concen: 0.757 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

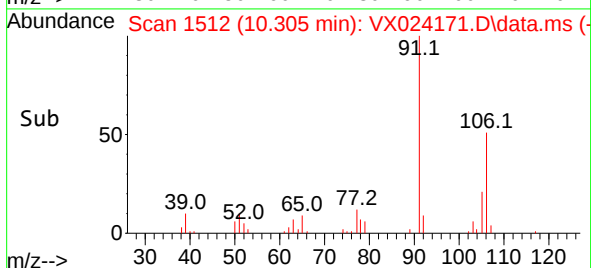
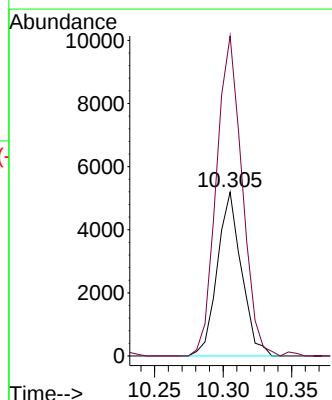
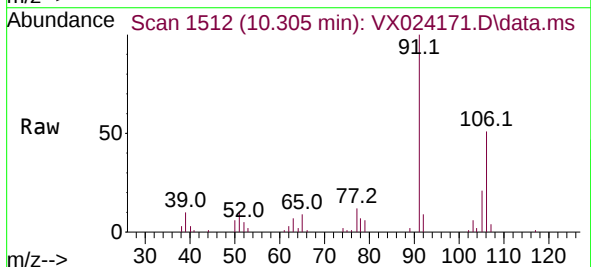
Instrument :
MSVOA_X
ClientSampled :

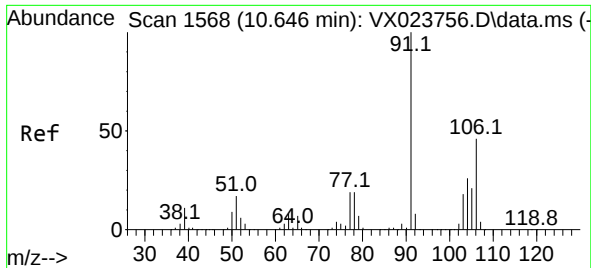
Tgt Ion: 91 Resp: 6482
Ion Ratio Lower Upper
91 100
106 34.6 24.6 37.0



#68
m/p-Xylenes
Concen: 1.950 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 106 Resp: 6362
Ion Ratio Lower Upper
106 100
91 208.1 162.8 244.2

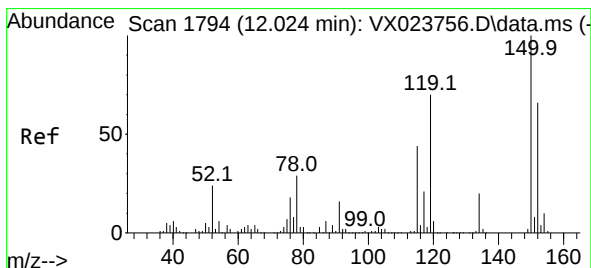
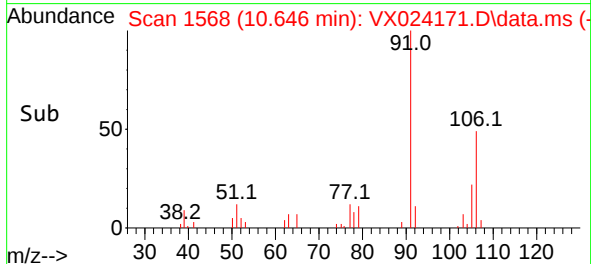
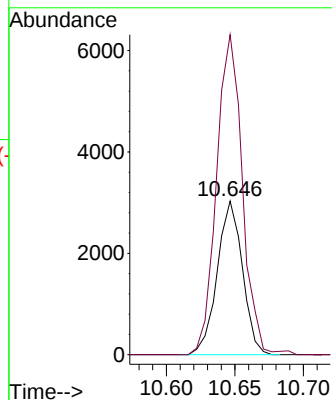
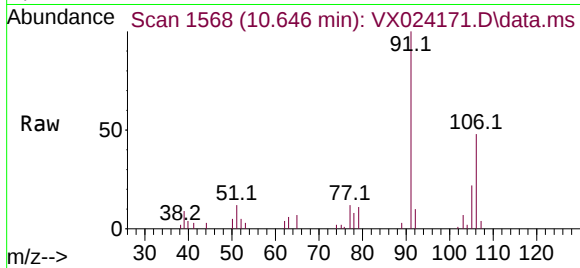




#69
o-Xylene
Concen: 1.211 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

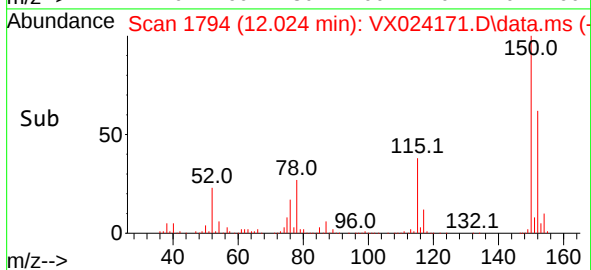
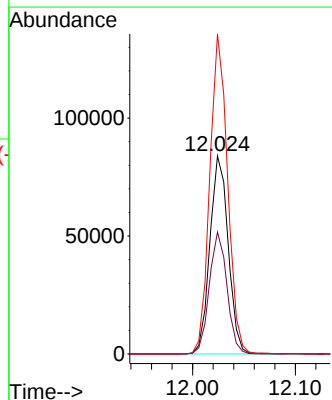
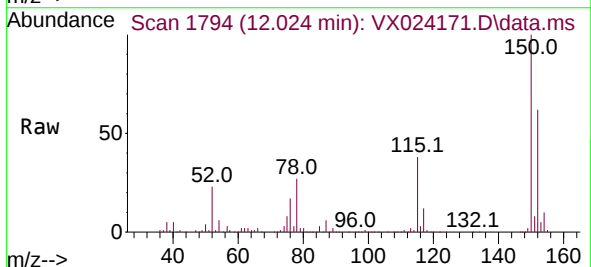
Instrument :
MSVOA_X
ClientSampled :

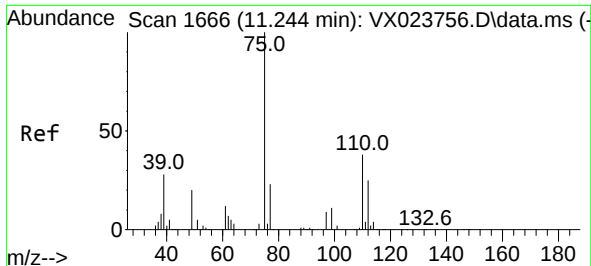
Tgt Ion:106 Resp: 3883
Ion Ratio Lower Upper
106 100
91 213.3 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion:152 Resp: 103967
Ion Ratio Lower Upper
152 100
115 59.3 41.1 123.3
150 157.2 0.0 349.0

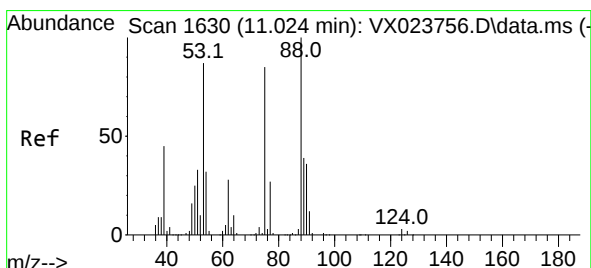
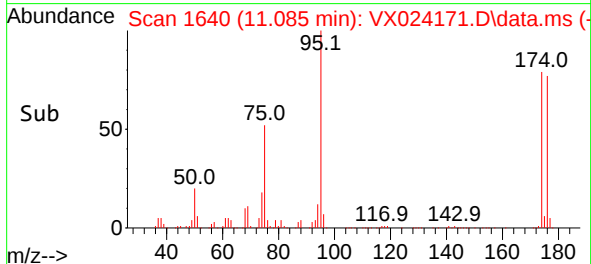
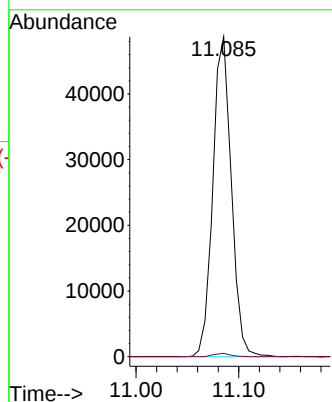
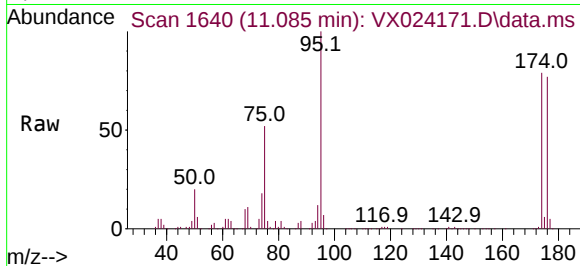




#76
1,2,3-Trichloropropane
Concen: 25.110 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

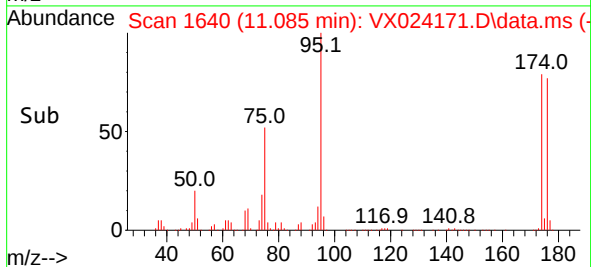
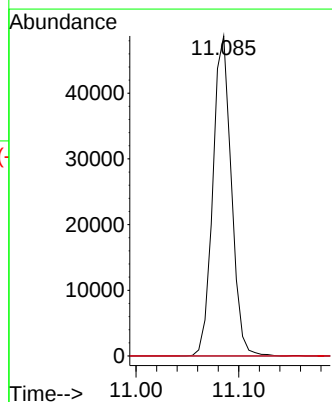
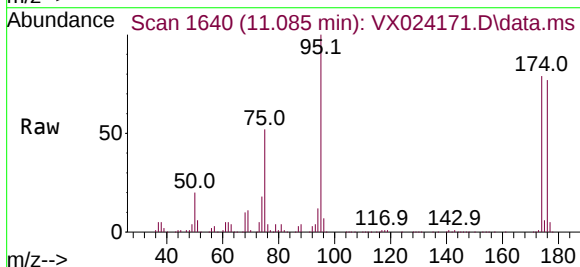
Instrument :
MSVOA_X
ClientSampled :

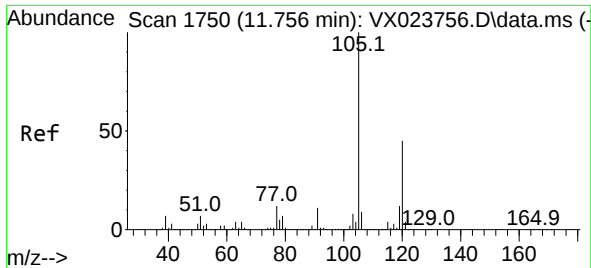
Tgt Ion: 75 Resp: 60899
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.862 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion: 75 Resp: 60899
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

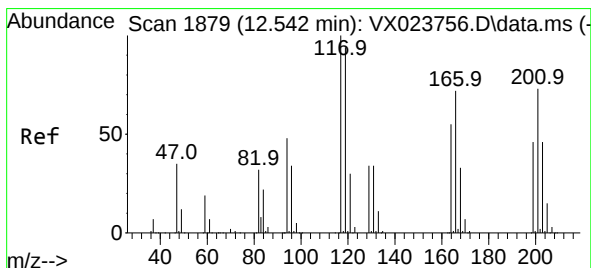
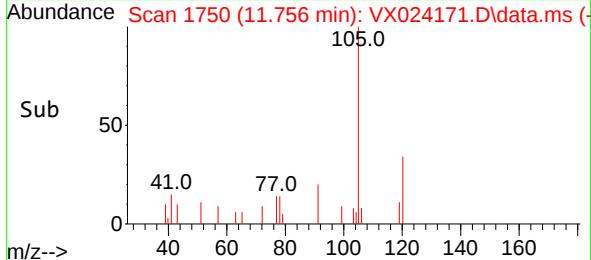
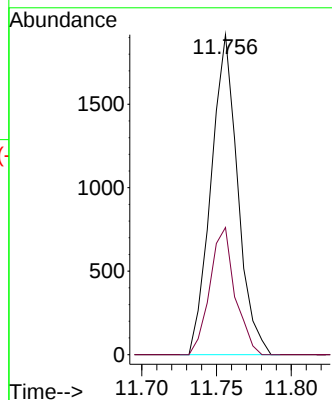
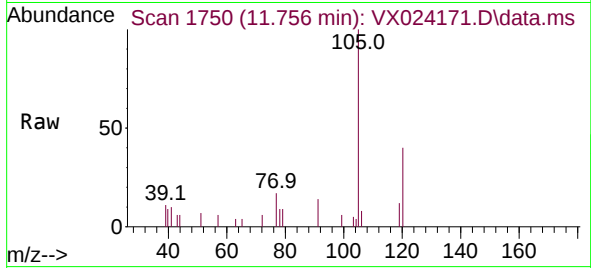




#84
1,2,4-Trimethylbenzene
Concen: 0.365 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

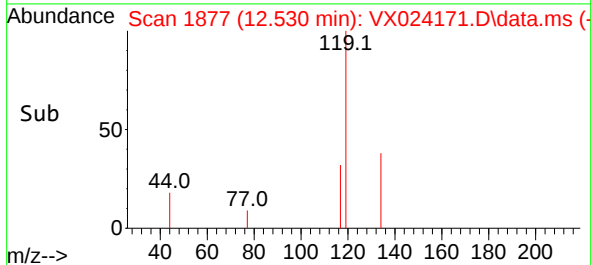
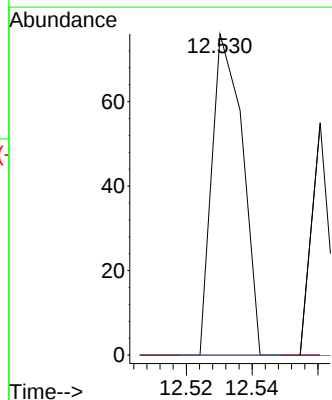
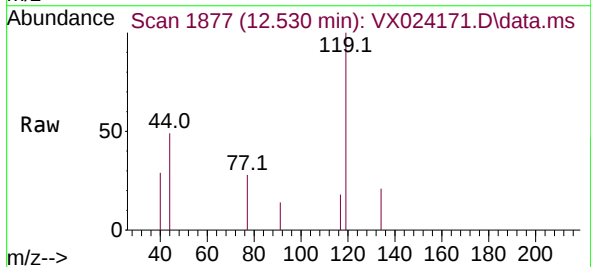
Instrument :
MSVOA_X
ClientSampled :

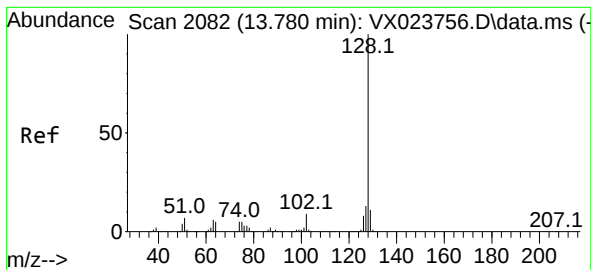
Tgt Ion:105 Resp: 2372
Ion Ratio Lower Upper
105 100
120 37.5 22.4 67.3



#90
Hexachloroethane
Concen: 1.508 ug/l
RT: 12.530 min Scan# 1877
Delta R.T. -0.012 min
Lab File: VX024171.D
Acq: 10 Sep 2021 17:19

Tgt Ion:117 Resp: 49
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95
 Naphthalene
 Concen: 1.616 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX024171.D
 Acq: 10 Sep 2021 17:19

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion:128 Resp: 2603
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.3 15.5
 129 11.4 8.8 13.2

