

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083021\
 Data File : VX024016.D
 Acq On : 30 Aug 2021 15:52
 Operator : JC/MD
 Sample : M3561-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DAY-1

Quant Time: Aug 31 03:11:50 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)

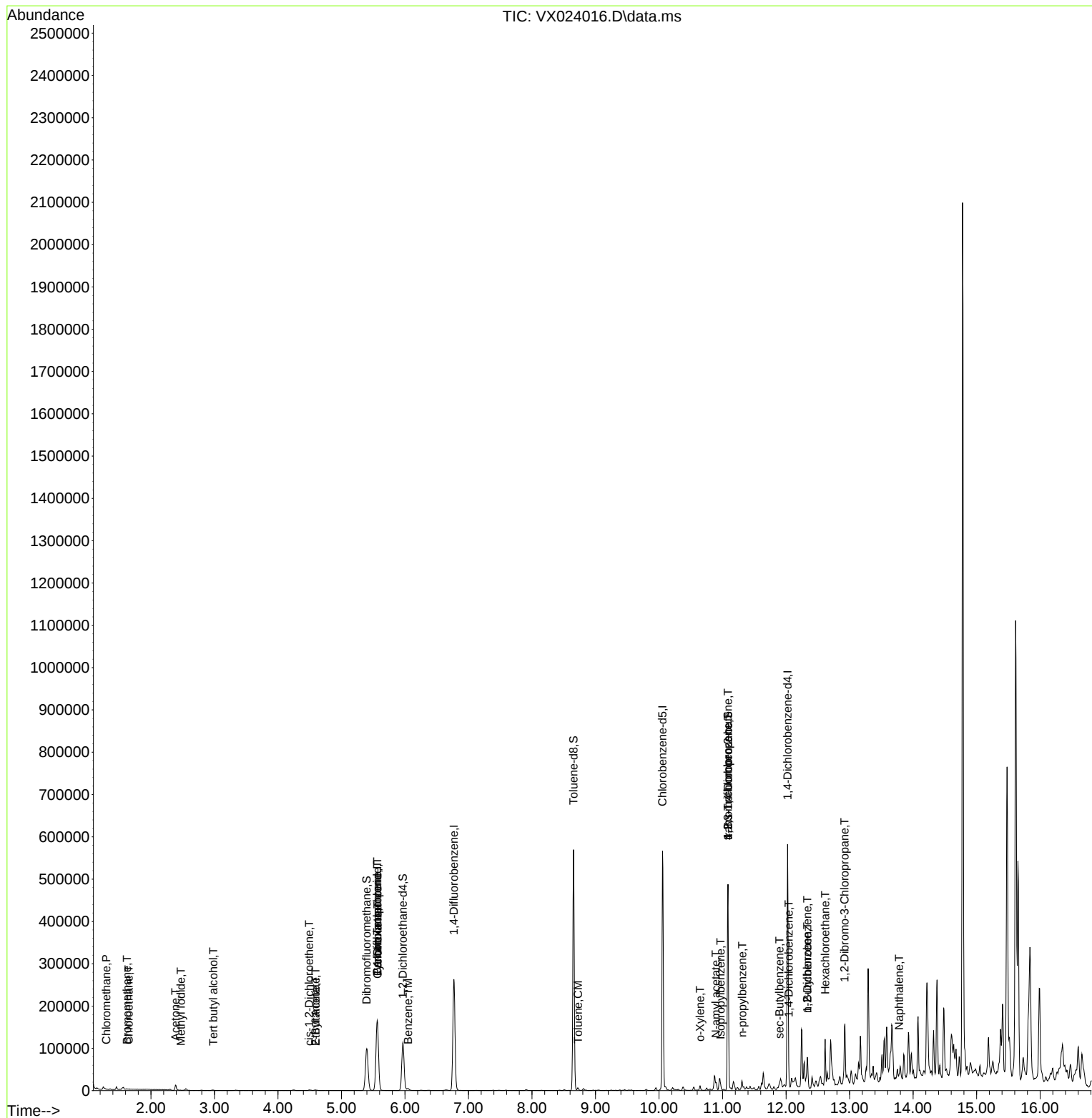
Internal Standards						
1) Pentafluorobenzene	5.562	168	152904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	260763	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	112487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	113280	53.082	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.160%			
35) Dibromofluoromethane	5.397	113	85892	49.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.540%			
50) Toluene-d8	8.653	98	318431	48.475	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.960%			
62) 4-Bromofluorobenzene	11.085	95	122493	50.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.300%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	361	0.204	ug/l #	70
5) Bromomethane	1.624	94	558	0.514	ug/l	91
6) Chloroethane	1.648	64	142	2.312	ug/l #	43
10) Methyl Iodide	2.471	142	595	0.278	ug/l #	84
11) Tert butyl alcohol	2.983	59	1412	3.272	ug/l #	73
16) Acetone	2.386	43	12982	13.605	ug/l	89
25) 2-Butanone	4.593	43	2028	1.403	ug/l	90
27) cis-1,2-Dichloroethene	4.489	96	402	0.216	ug/l #	1
31) Cyclohexane	5.568	56	3454	1.260	ug/l #	6
36) 1,1-Dichloropropene	5.562	75	12746	5.278	ug/l #	48
37) Ethyl Acetate	4.593	43	2028	0.683	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15824	6.284	ug/l #	15
40) Benzene	6.050	78	4810	0.674	ug/l #	75
52) Toluene	8.726	92	1925	0.416	ug/l	100
69) o-Xylene	10.646	106	1791	0.537	ug/l	96
73) Isopropylbenzene	10.970	105	3533	0.412	ug/l	97
74) N-amyl acetate	10.896	43	7315	1.887	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	66227	25.239	ug/l #	39
78) n-propylbenzene	11.311	91	7214	0.735	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.085	75	66227	74.241	ug/l #	12
85) sec-Butylbenzene	11.896	105	3610	0.416	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	2162	0.567	ug/l #	23
89) n-Butylbenzene	12.335	91	4746	0.745	ug/l #	70
90) Hexachloroethane	12.616	117	4437	4.929	ug/l #	9
91) 1,2-Dichlorobenzene	12.335	146	15769	4.257	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.920	75	411	2.758	ug/l #	1
95) Naphthalene	13.780	128	6825	2.091	ug/l #	94

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

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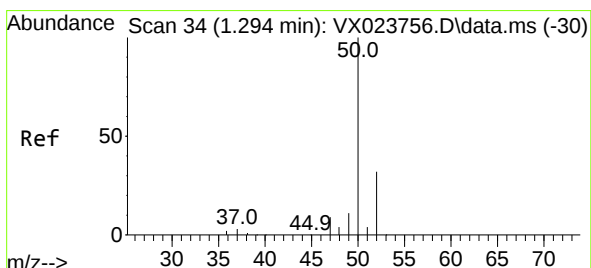
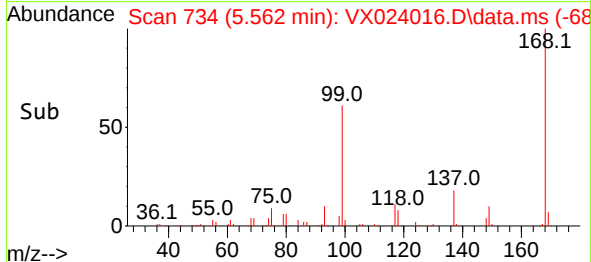
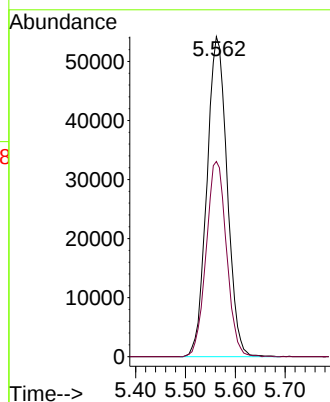
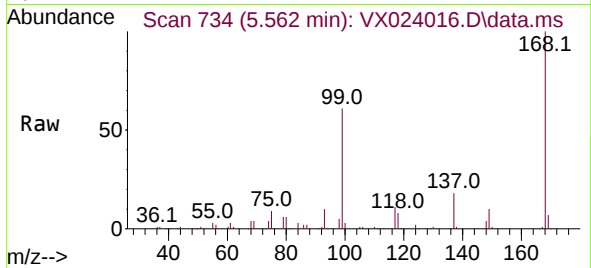




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

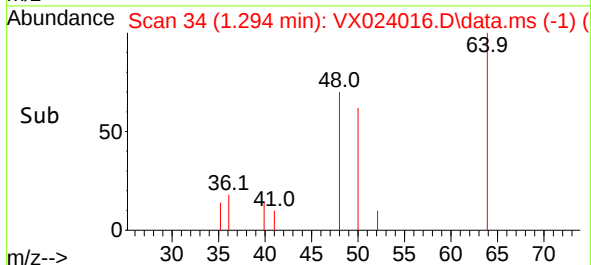
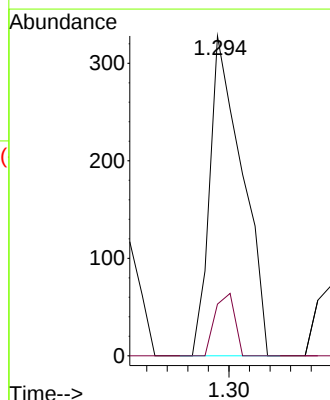
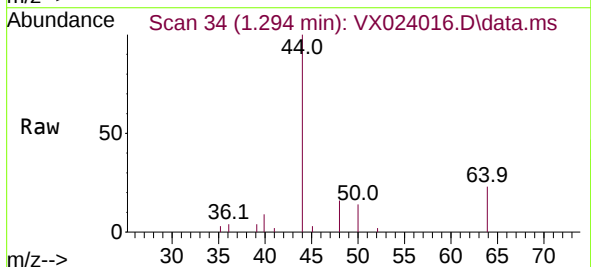
Instrument :
MSVOA_X
ClientSampleId :
DAY-1

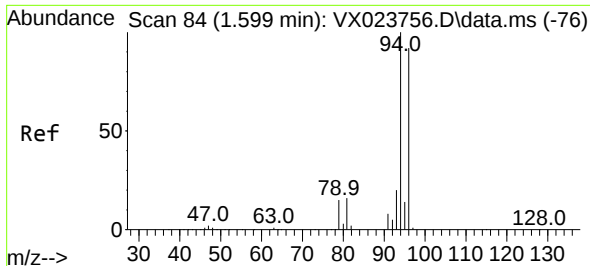
Tgt Ion:168 Resp: 152904
Ion Ratio Lower Upper
168 100
99 61.0 45.8 68.6



#3
Chloromethane
Concen: 0.204 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 50 Resp: 361
Ion Ratio Lower Upper
50 100
52 16.2 26.4 39.6#

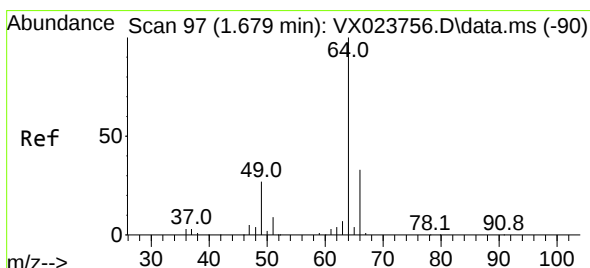
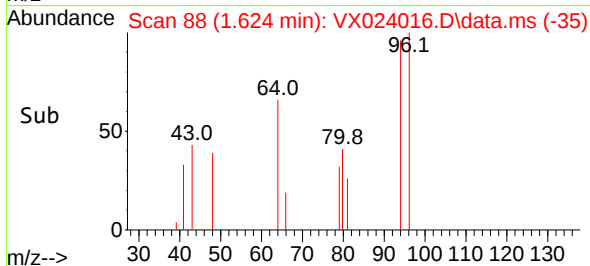
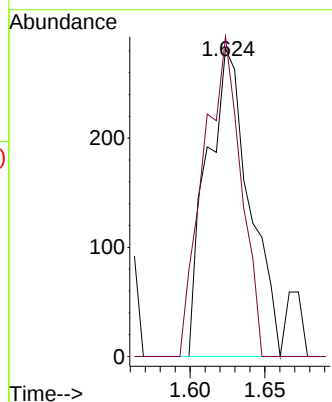
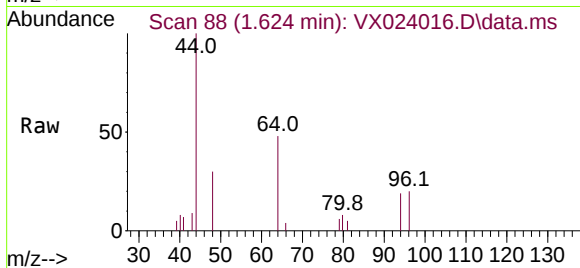




#5
Bromomethane
Concen: 0.514 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.025 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

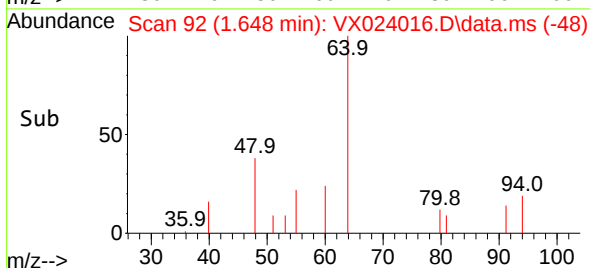
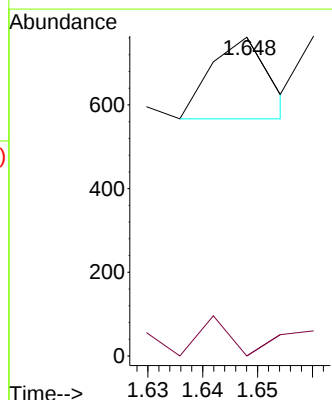
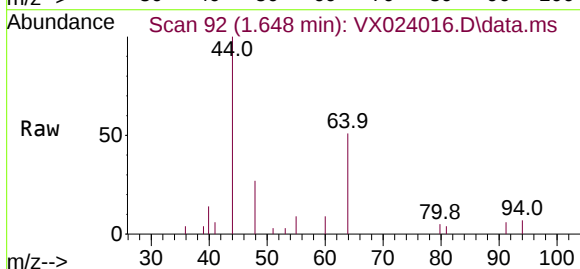
Instrument :
MSVOA_X
ClientSampleId :
DAY-1

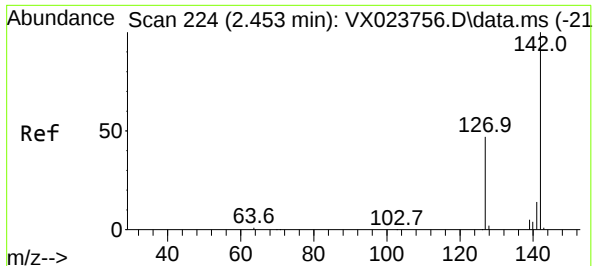
Tgt Ion: 94 Resp: 558
Ion Ratio Lower Upper
94 100
96 103.9 76.4 114.6



#6
Chloroethane
Concen: 2.312 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.031 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 64 Resp: 142
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

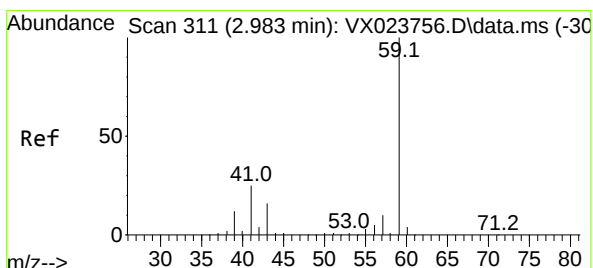
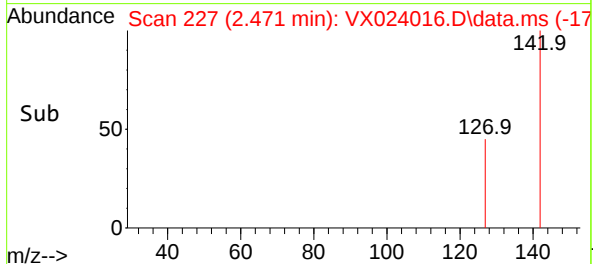
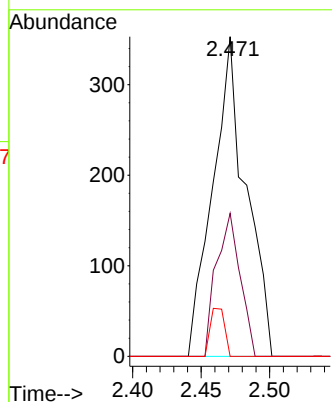
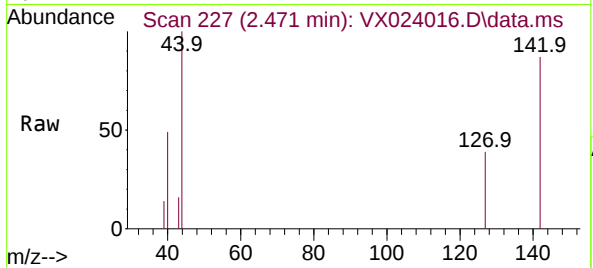




#10
Methyl Iodide
Concen: 0.278 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

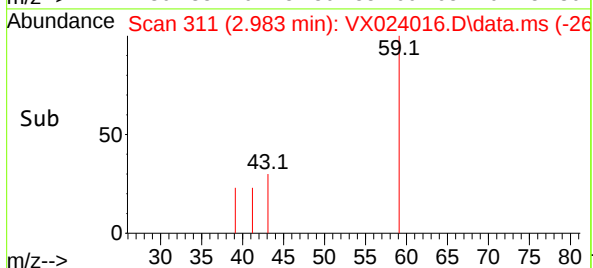
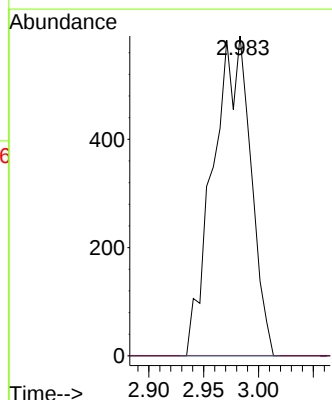
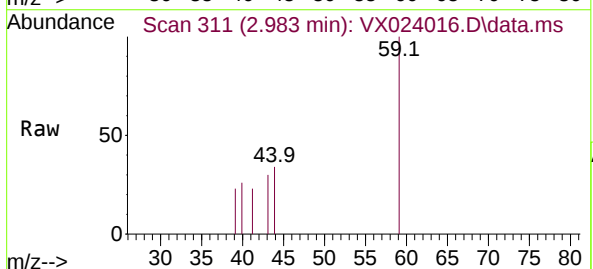
Instrument :
MSVOA_X
ClientSampled :
DAY-1

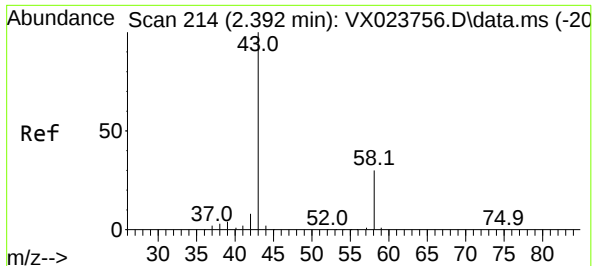
Tgt Ion:142 Resp: 595
Ion Ratio Lower Upper
142 100
127 31.9 33.3 49.9#
141 6.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.272 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 59 Resp: 1412
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

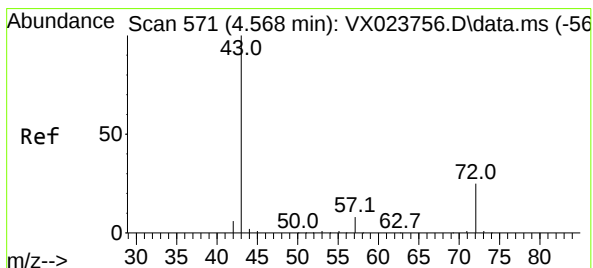
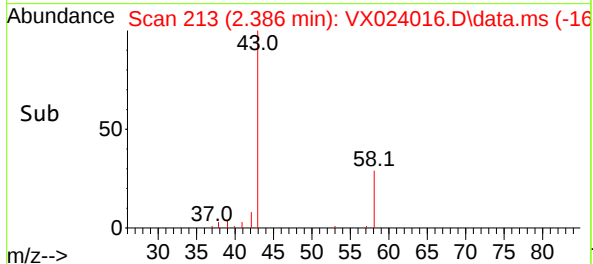
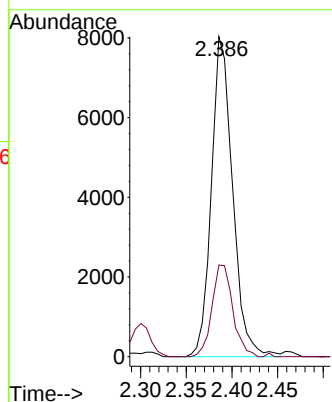
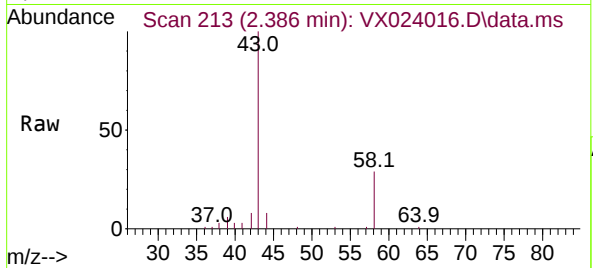




#16
Acetone
Concen: 13.605 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

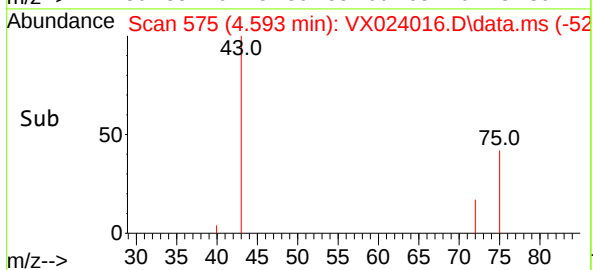
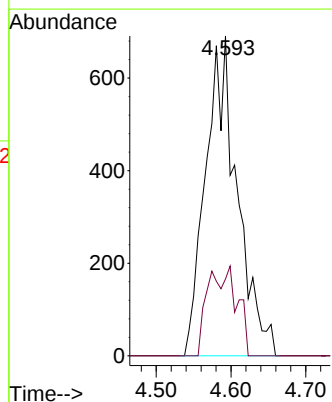
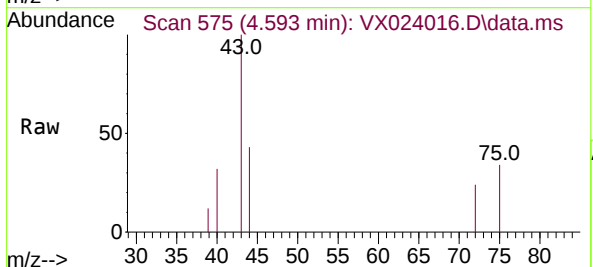
Instrument :
MSVOA_X
ClientSampled :
DAY-1

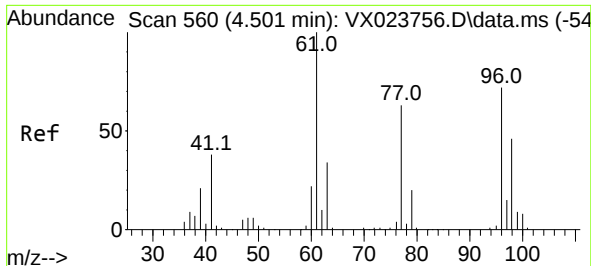
Tgt Ion: 43 Resp: 12982
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



#25
2-Butanone
Concen: 1.403 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
72 24.0 23.7 35.5





#27

cis-1,2-Dichloroethene

Concen: 0.216 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.012 min

Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

Tgt Ion: 96 Resp: 402

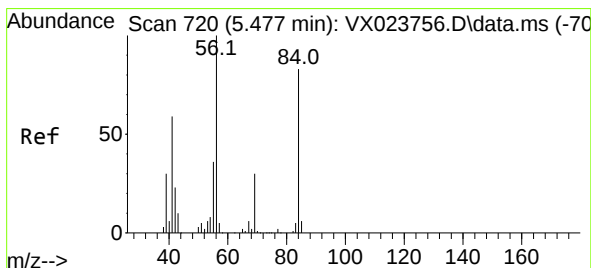
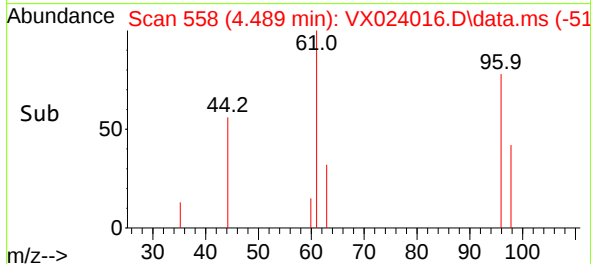
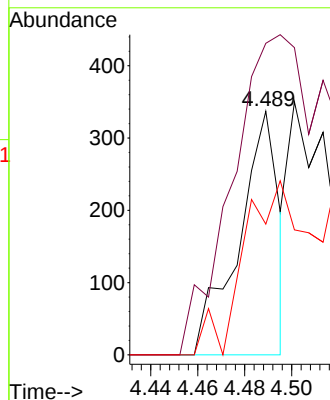
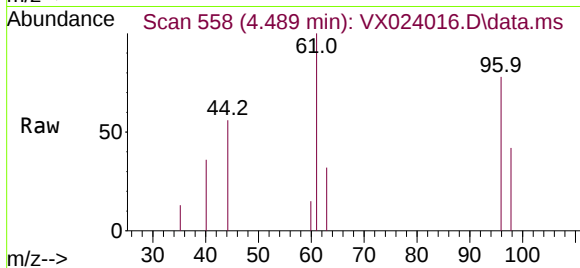
Ion	Ratio	Lower	Upper
96	100		
61	348.0	0.0	285.6#
98	118.9	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

DAY-1



#31

Cyclohexane

Concen: 1.260 ug/l

RT: 5.568 min Scan# 735

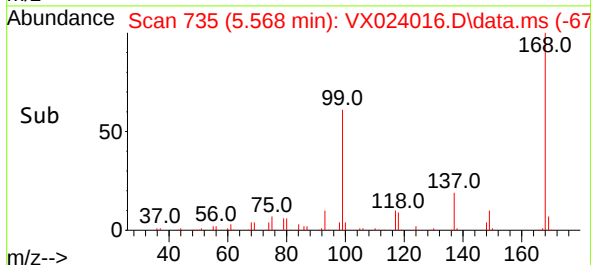
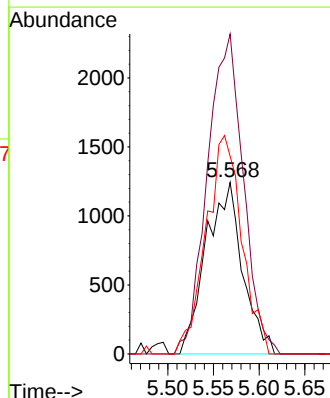
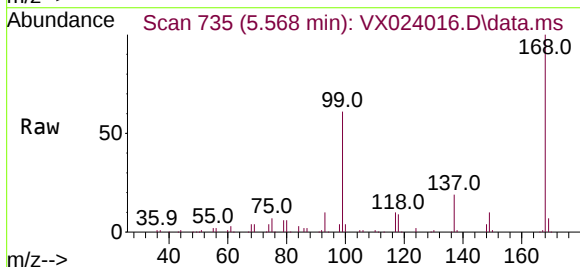
Delta R.T. 0.091 min

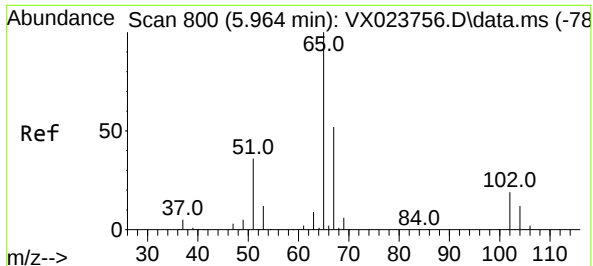
Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

Tgt Ion: 56 Resp: 3454

Ion	Ratio	Lower	Upper
56	100		
69	186.6	25.3	37.9#
84	115.3	71.4	107.0#



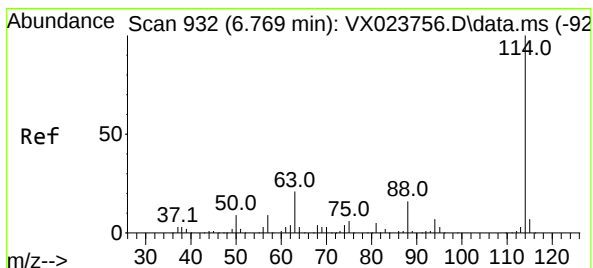
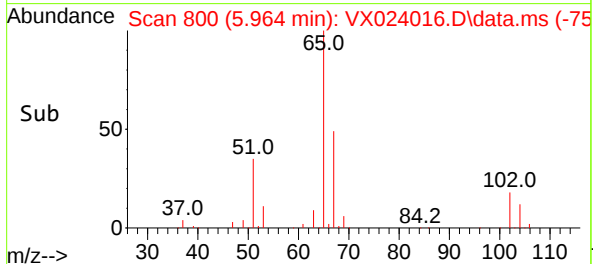
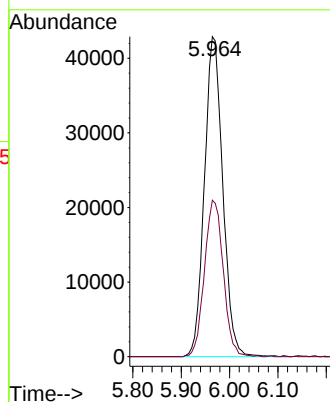
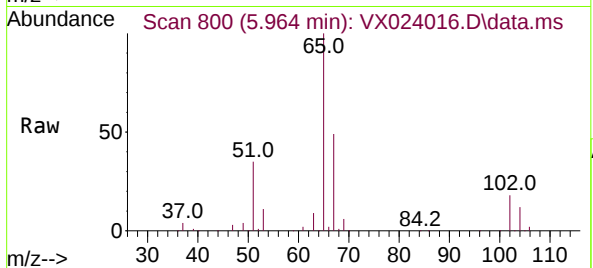


#33

1,2-Dichloroethane-d4
Concen: 53.082 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Instrument :
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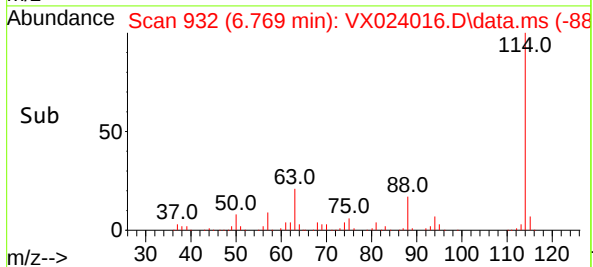
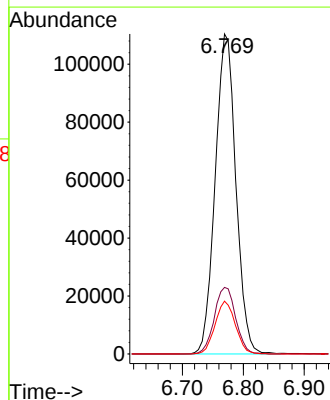
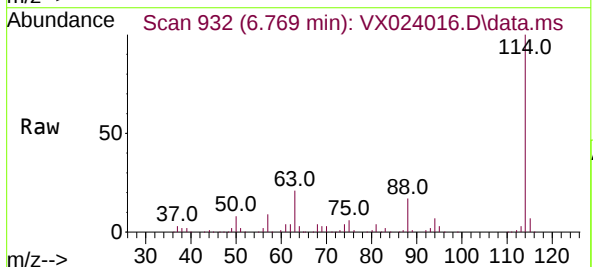
Tgt Ion: 65 Resp: 113280
Ion Ratio Lower Upper
65 100
67 50.1 0.0 105.4

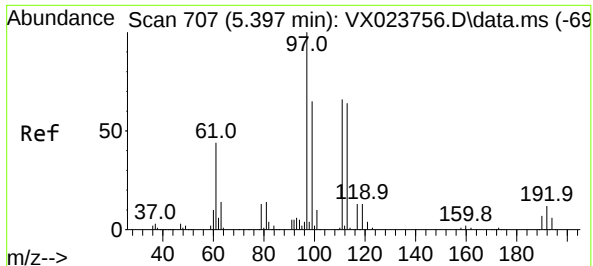


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 114 Resp: 260763
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.766 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

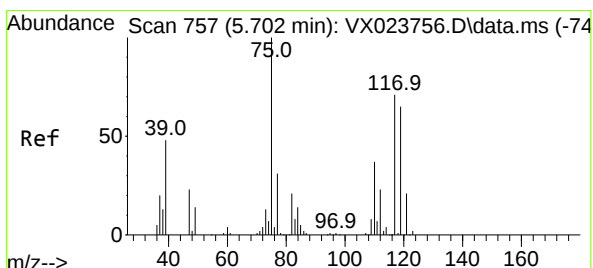
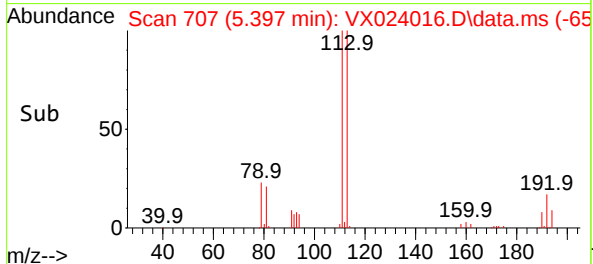
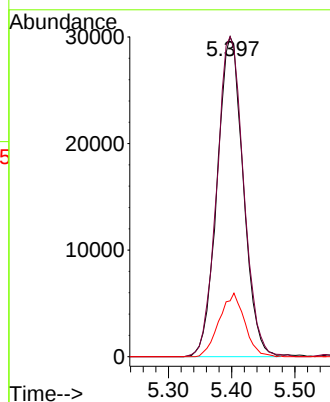
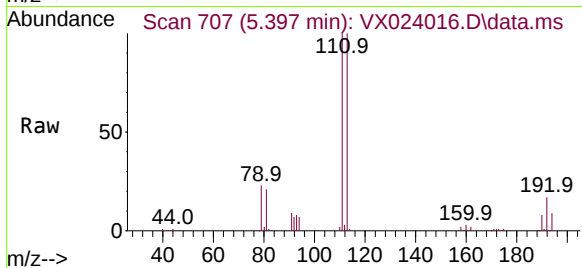
Tgt Ion:113 Resp: 85892

Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 19.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.278 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

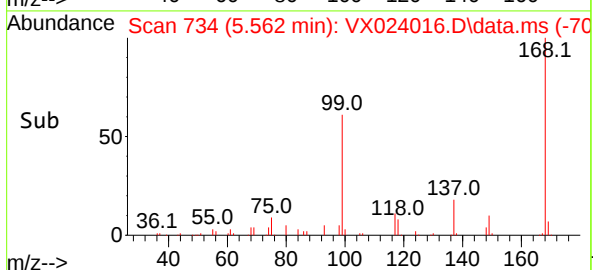
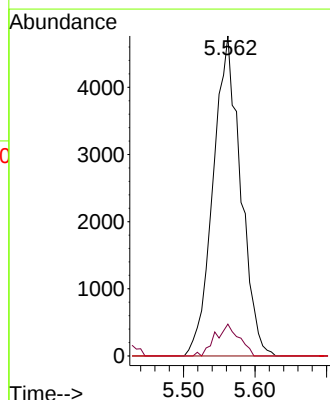
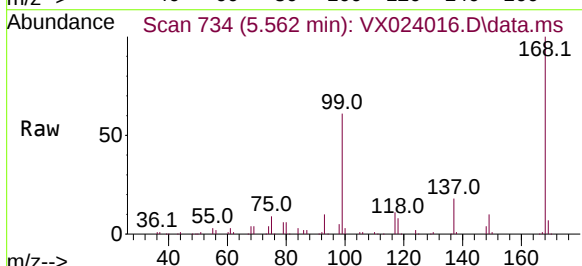
Tgt Ion: 75 Resp: 12746

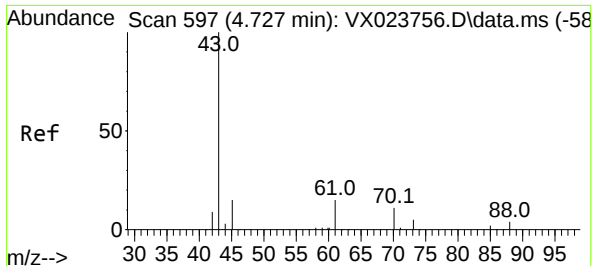
Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.683 ug/l

RT: 4.593 min Scan# 575

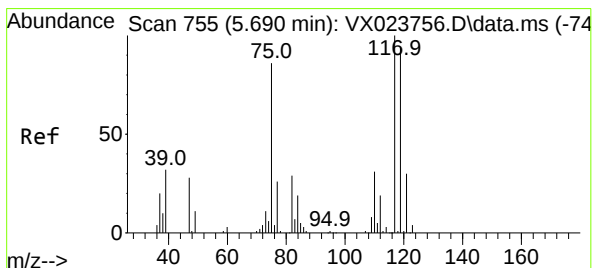
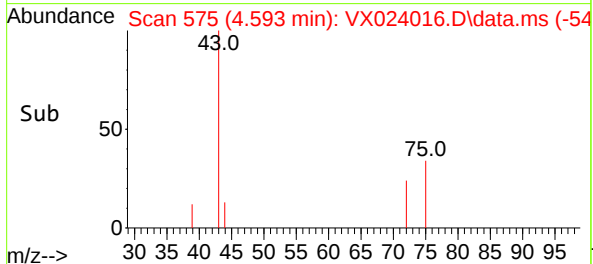
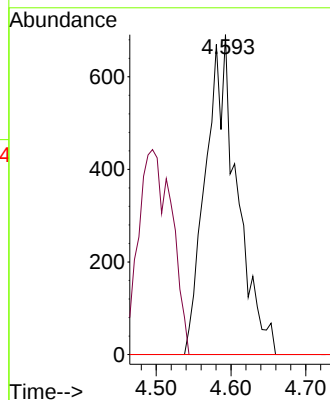
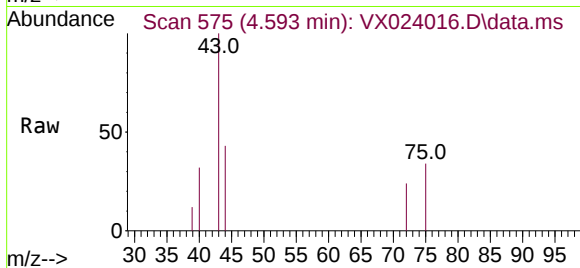
Delta R.T. -0.134 min

Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

Instrument :
MSVOA_X
ClientSampled :
DAY-1

Tgt Ion:	43	Resp:	2028
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 6.284 ug/l

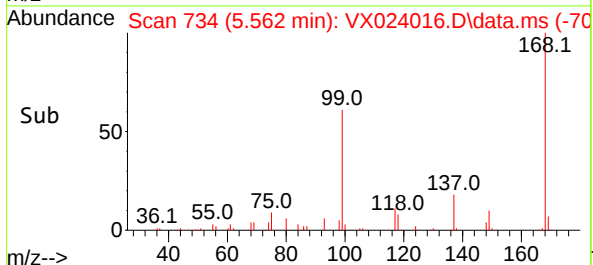
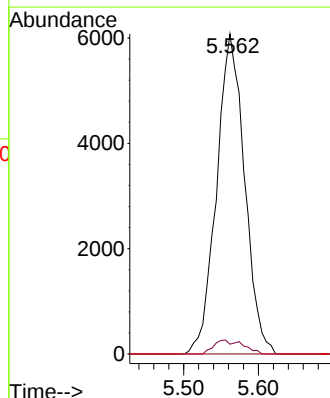
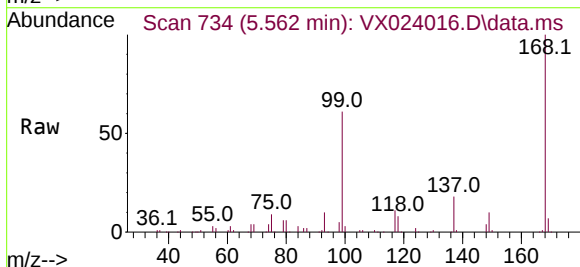
RT: 5.562 min Scan# 734

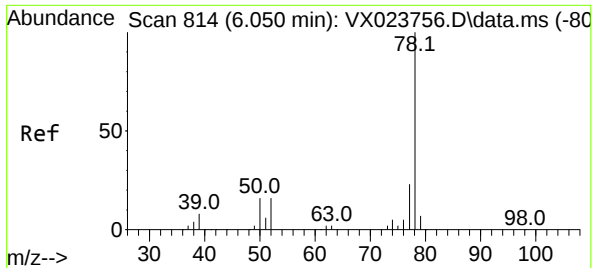
Delta R.T. -0.128 min

Lab File: VX024016.D

Acq: 30 Aug 2021 15:52

Tgt Ion:	117	Resp:	15824
Ion	Ratio	Lower	Upper
117	100		
119	3.1	76.2	114.2#
121	0.0	24.8	37.2#

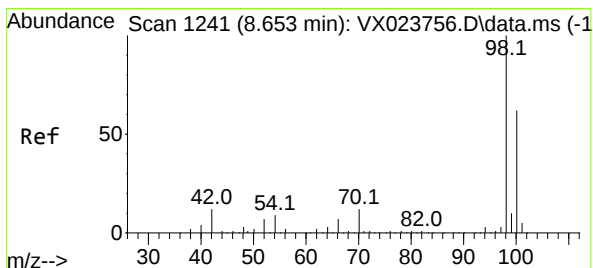
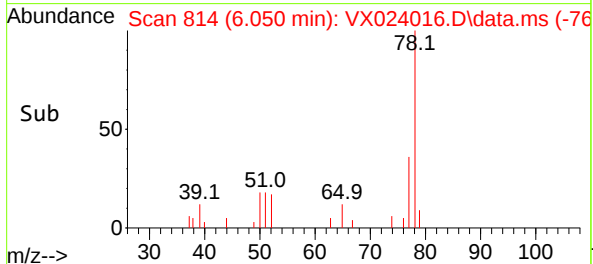
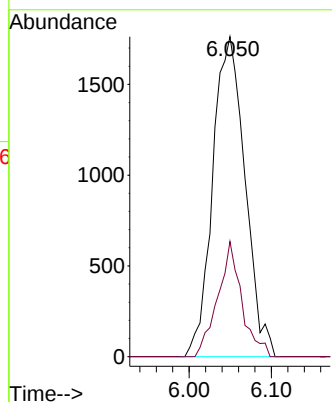
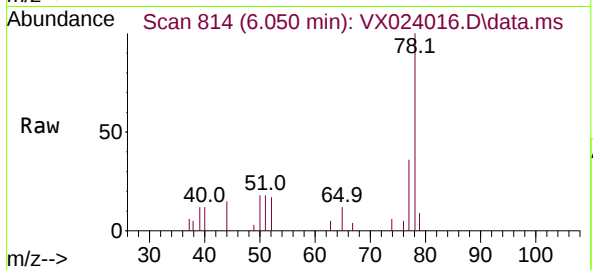




#40
Benzene
Concen: 0.674 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

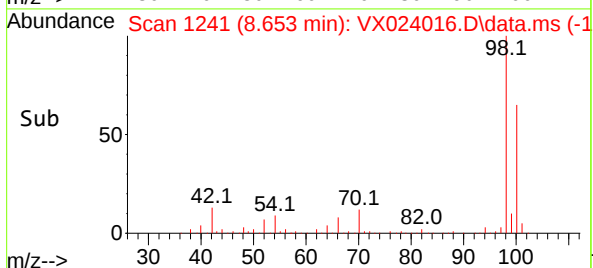
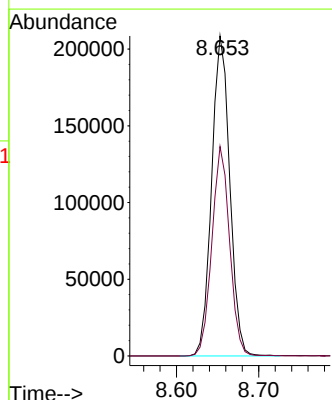
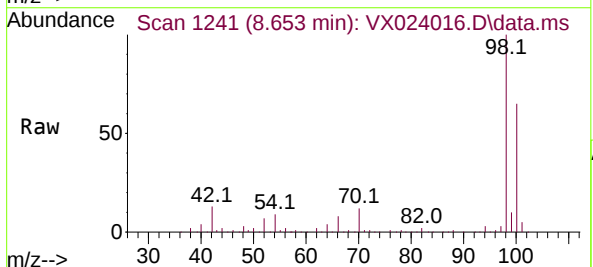
Instrument :
MSVOA_X
ClientSampled :
DAY-1

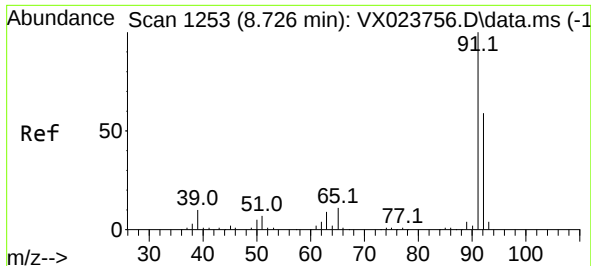
Tgt Ion: 78 Resp: 4810
Ion Ratio Lower Upper
78 100
77 36.0 18.9 28.3#



#50
Toluene-d8
Concen: 48.475 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 98 Resp: 318431
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

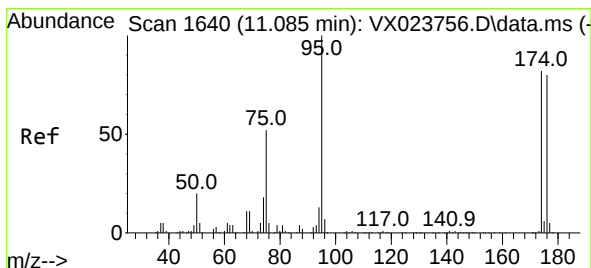
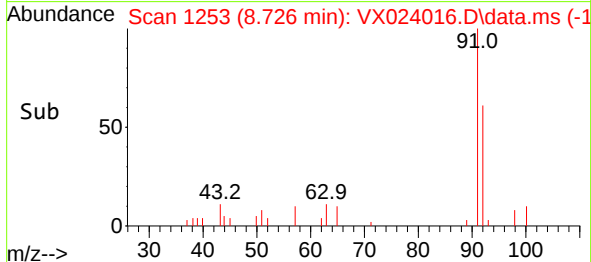
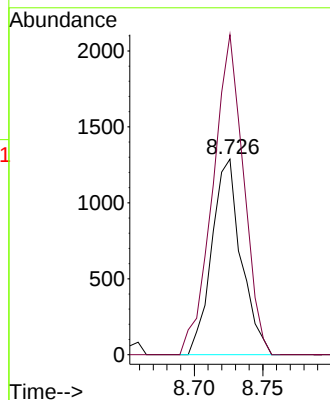
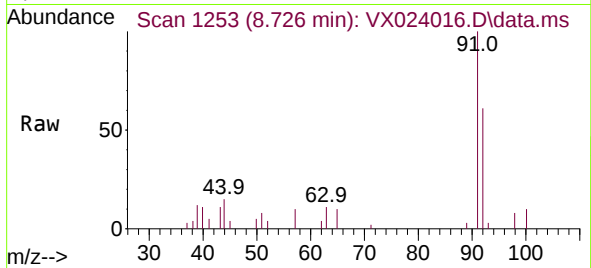




#52
Toluene
Concen: 0.416 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

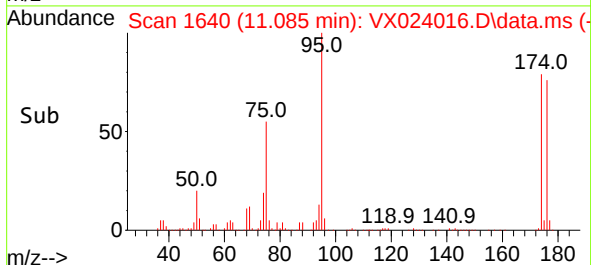
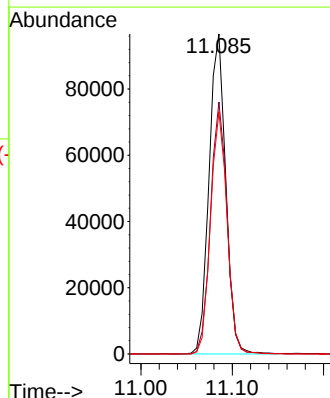
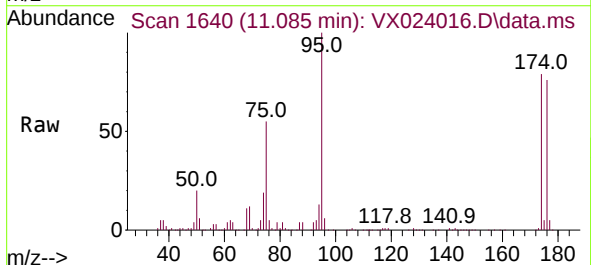
Instrument :
MSVOA_X
ClientSampled :
DAY-1

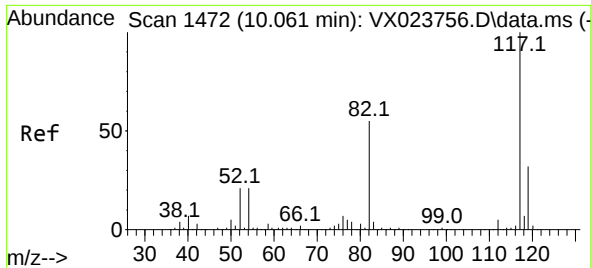
Tgt Ion: 92 Resp: 1925
Ion Ratio Lower Upper
92 100
91 171.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 50.654 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 95 Resp: 122493
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 74.7 0.0 155.8

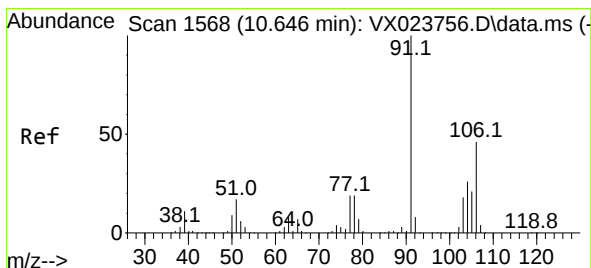
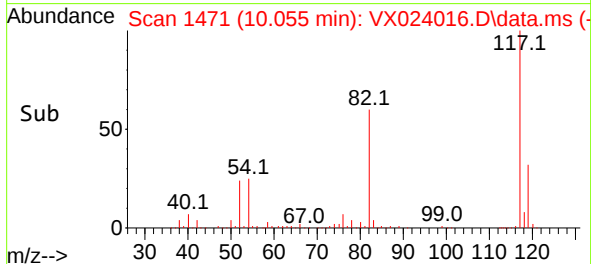
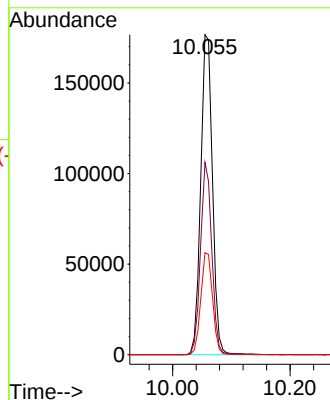
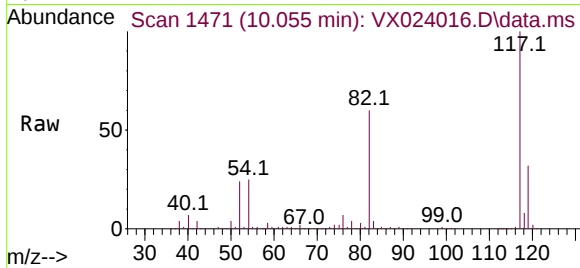




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

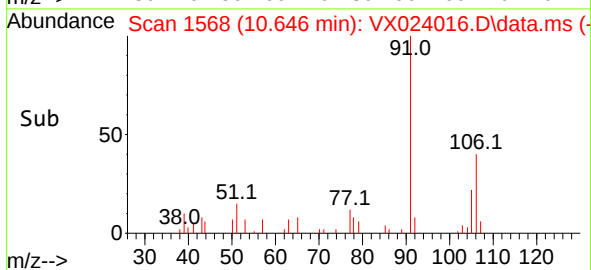
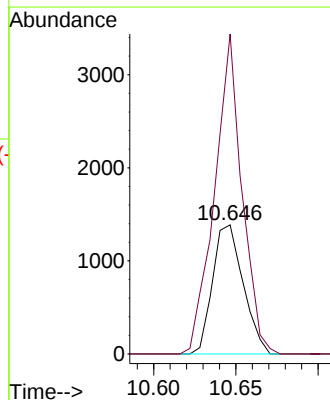
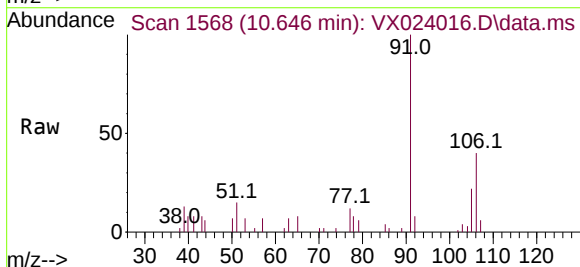
Instrument :
MSVOA_X
ClientSampled :
DAY-1

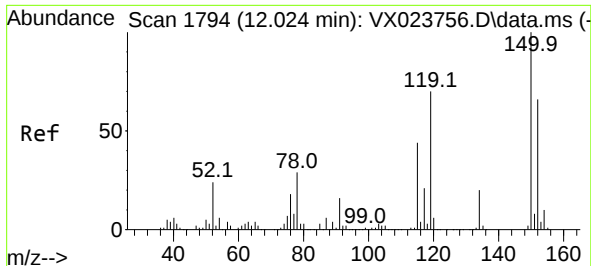
Tgt Ion:117 Resp: 244461
Ion Ratio Lower Upper
117 100
82 60.0 47.4 71.2
119 31.9 26.6 39.8



#69
o-Xylene
Concen: 0.537 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion:106 Resp: 1791
Ion Ratio Lower Upper
106 100
91 223.1 108.1 324.2

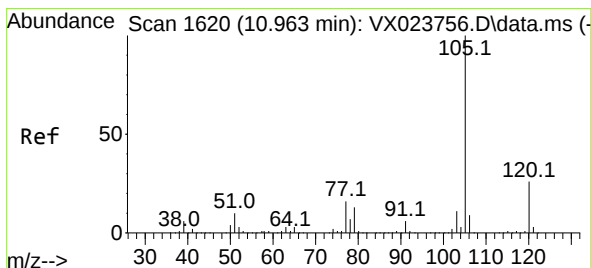
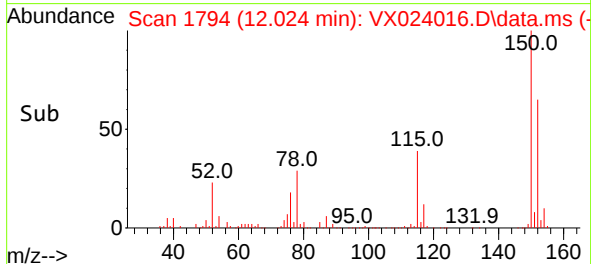
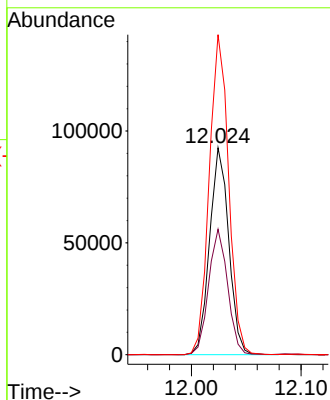
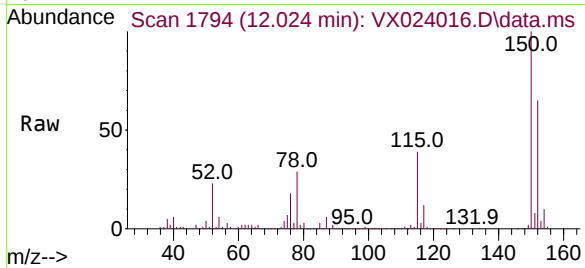




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

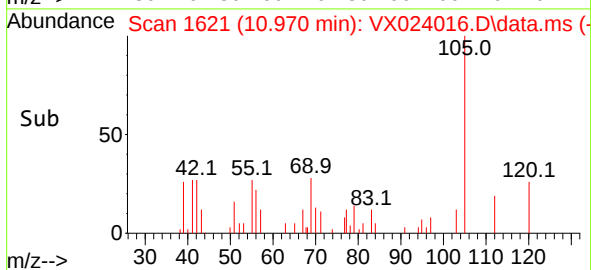
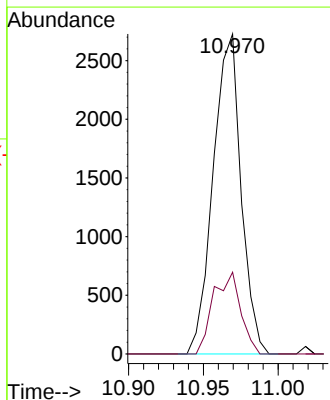
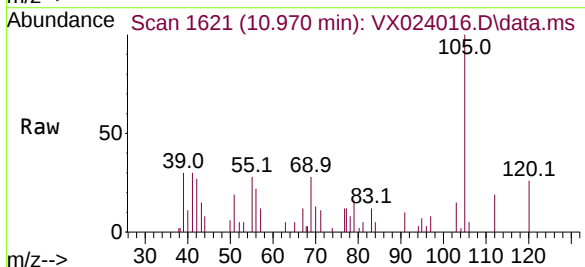
Instrument :
MSVOA_X
ClientSampleId :
DAY-1

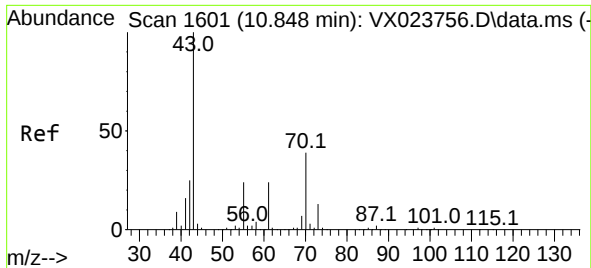
Tgt Ion:152 Resp: 112487
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 156.1 0.0 349.0



#73
Isopropylbenzene
Concen: 0.412 ug/l
RT: 10.970 min Scan# 1621
Delta R.T. 0.007 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion:105 Resp: 3533
Ion Ratio Lower Upper
105 100
120 25.0 13.2 39.6

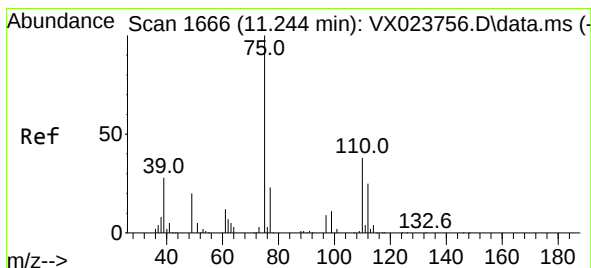
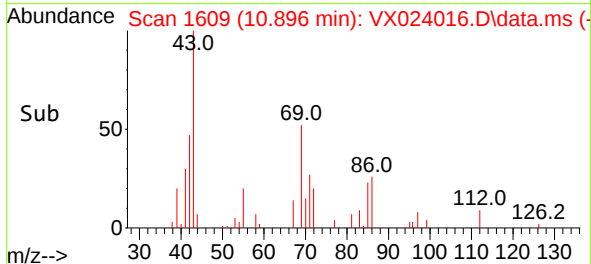
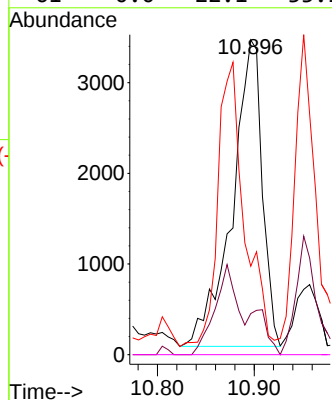
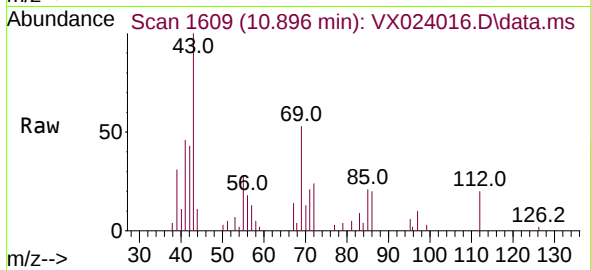




#74
N-amy1 acetate
Concen: 1.887 ug/l
RT: 10.896 min Scan# 1609
Delta R.T. 0.048 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

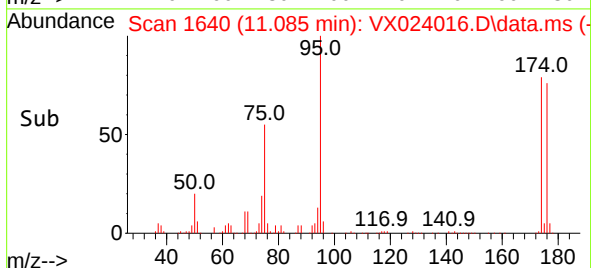
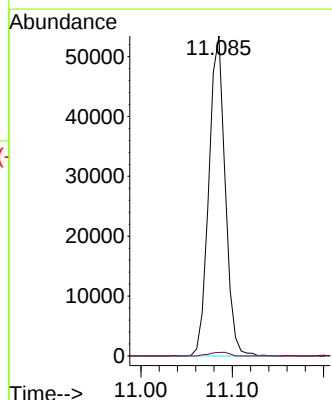
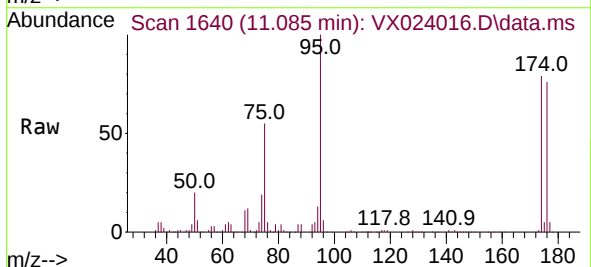
Instrument :
MSVOA_X
ClientSampled :
DAY-1

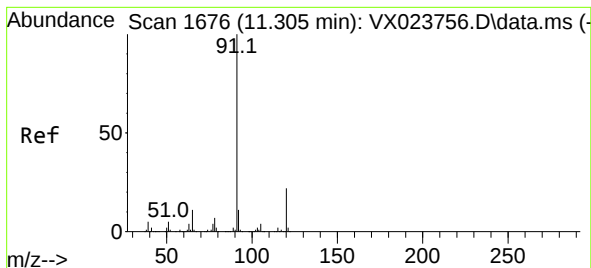
Tgt Ion:	43	Resp:	7315
Ion	Ratio	Lower	Upper
43	100		
70	8.7	39.0	58.6#
55	0.0	21.5	32.3#
61	0.0	22.1	33.1#



#76
1,2,3-Trichloropropane
Concen: 25.239 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion:	75	Resp:	66227
Ion	Ratio	Lower	Upper
75	100		
77	1.4	19.1	57.5#

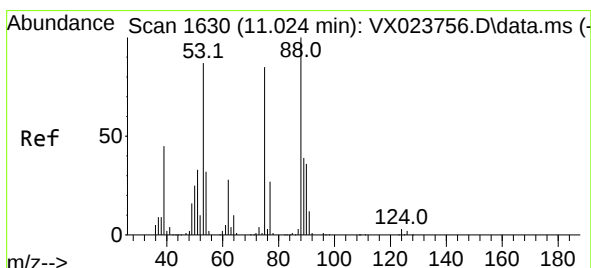
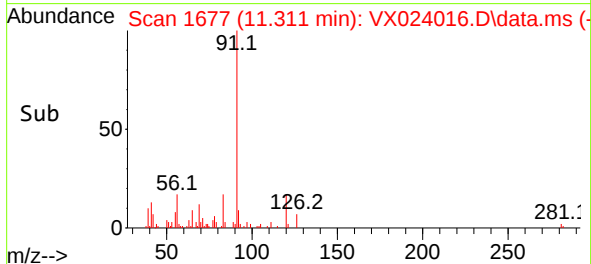
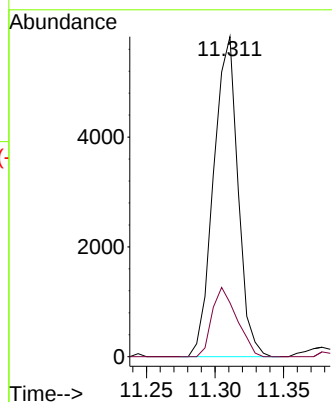
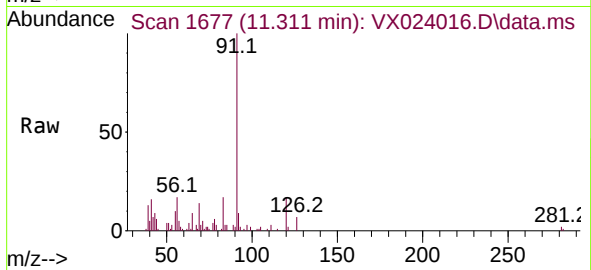




#78
n-propylbenzene
Concen: 0.735 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

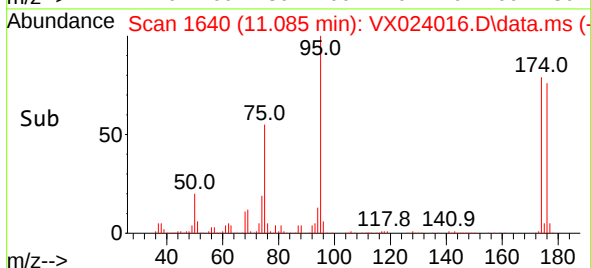
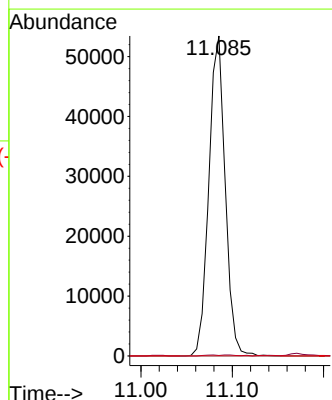
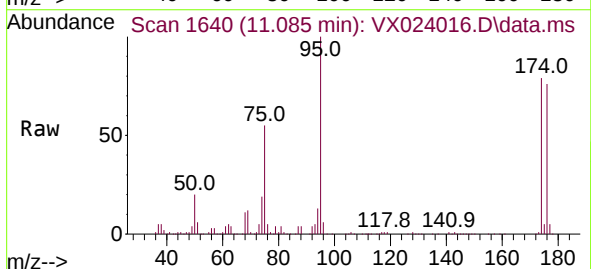
Instrument :
MSVOA_X
ClientSampled :
DAY-1

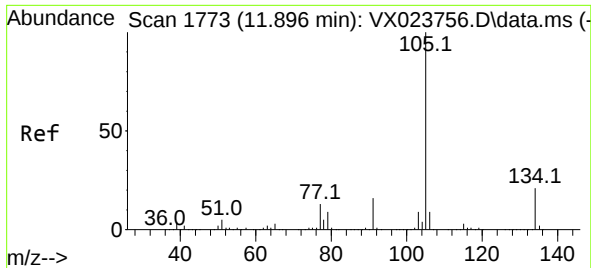
Tgt Ion: 91 Resp: 7214
Ion Ratio Lower Upper
91 100
120 22.1 11.5 34.5



#81
trans-1,4-Dichloro-2-butene
Concen: 74.241 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 75 Resp: 66227
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

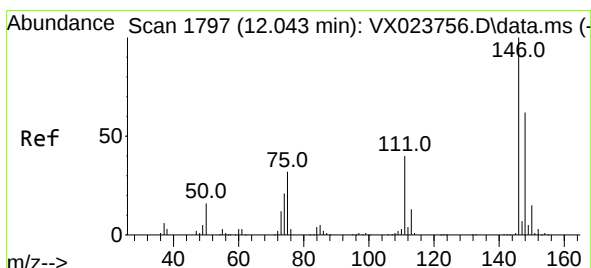
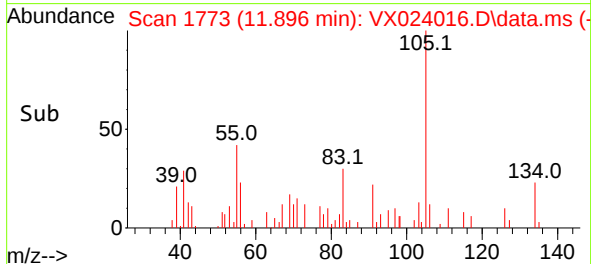
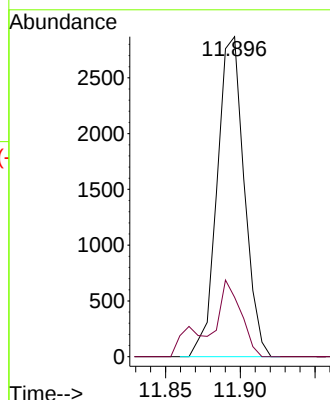
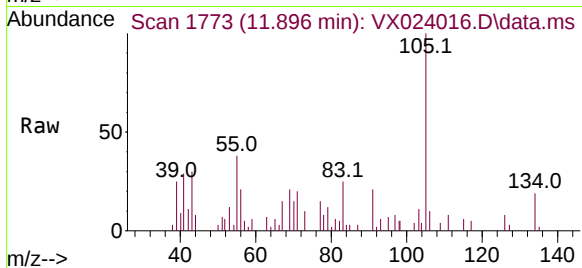




#85
 sec-Butylbenzene
 Concen: 0.416 ug/l
 RT: 11.896 min Scan# 1773
 Delta R.T. 0.000 min
 Lab File: VX024016.D
 Acq: 30 Aug 2021 15:52

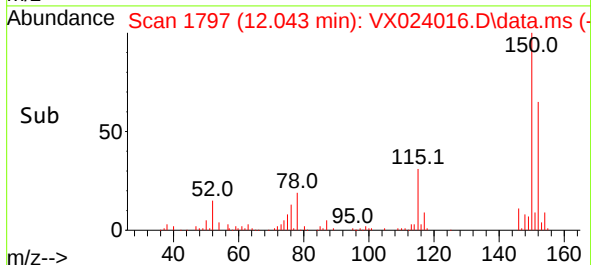
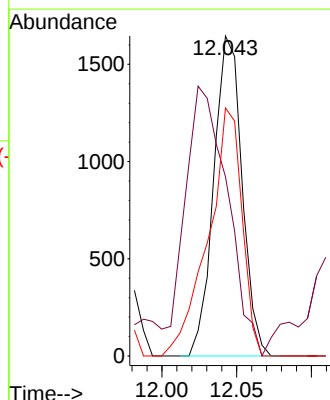
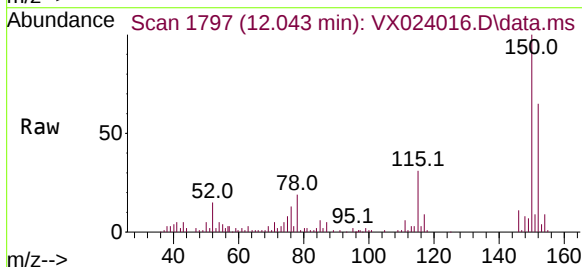
Instrument :
 MSVOA_X
 ClientSampleId :
 DAY-1

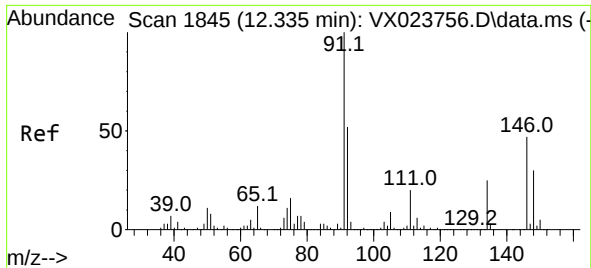
Tgt Ion:105 Resp: 3610
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.0 29.8



#88
 1,4-Dichlorobenzene
 Concen: 0.567 ug/l
 RT: 12.043 min Scan# 1797
 Delta R.T. -0.000 min
 Lab File: VX024016.D
 Acq: 30 Aug 2021 15:52

Tgt Ion:146 Resp: 2162
 Ion Ratio Lower Upper
 146 100
 111 126.2 19.6 58.8#
 148 92.3 31.6 95.0

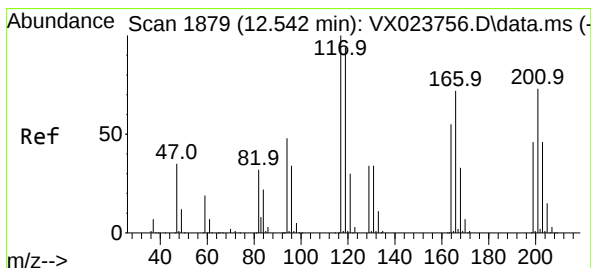
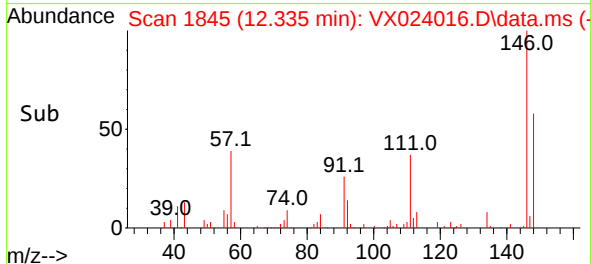
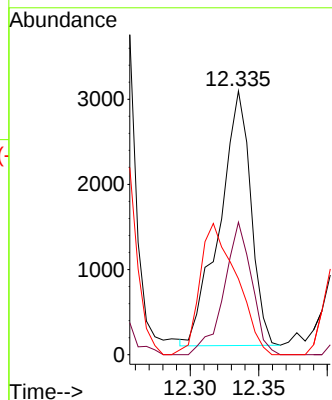
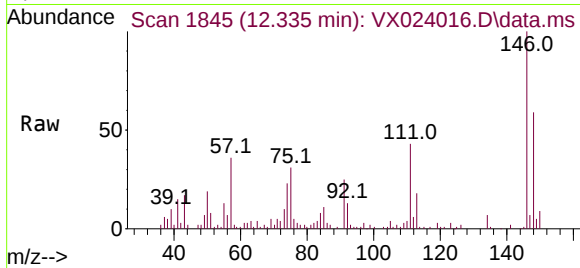




#89
n-Butylbenzene
Concen: 0.745 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

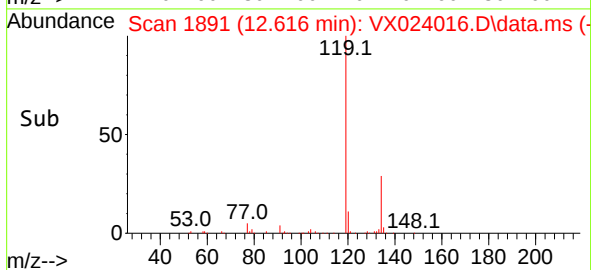
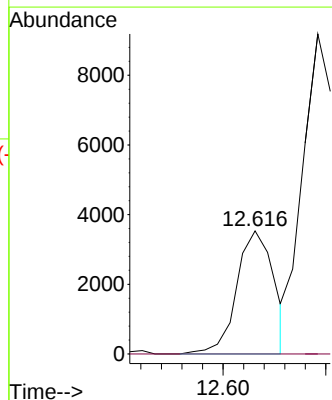
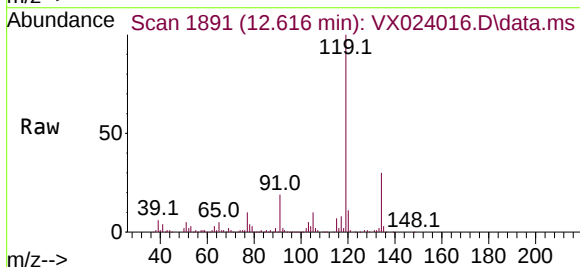
Instrument :
MSVOA_X
ClientSampleId :
DAY-1

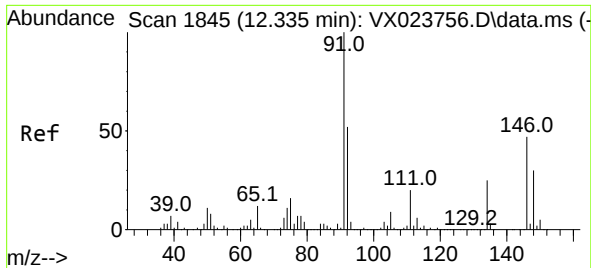
Tgt Ion: 91 Resp: 4746
Ion Ratio Lower Upper
91 100
92 46.1 27.4 82.0
134 60.6 13.2 39.5#



#90
Hexachloroethane
Concen: 4.929 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.074 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 117 Resp: 4437
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#

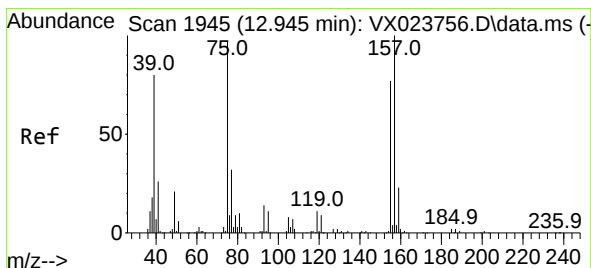
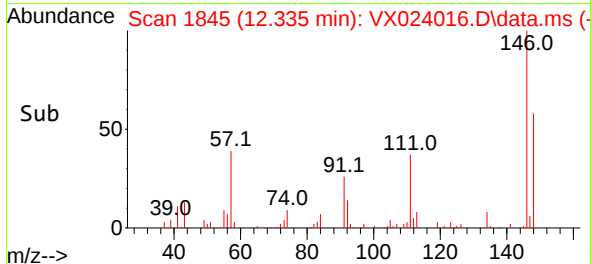
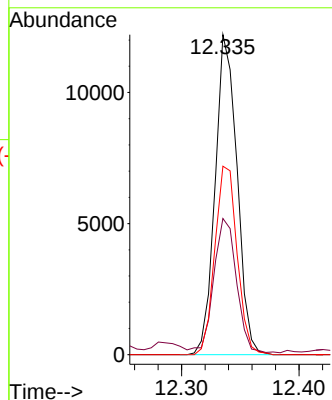
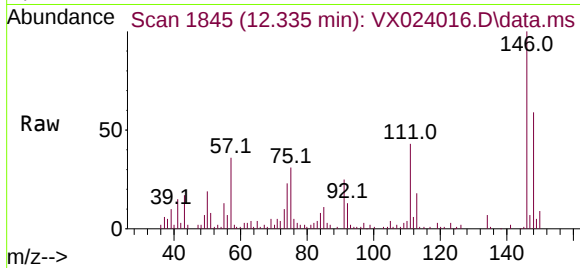




#91
1,2-Dichlorobenzene
Concen: 4.257 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

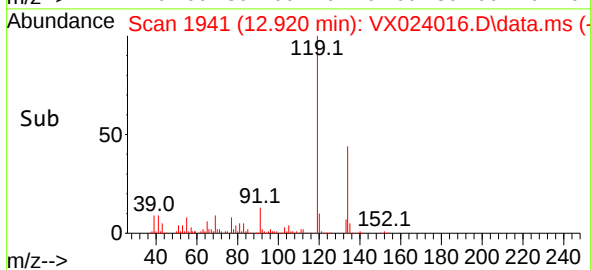
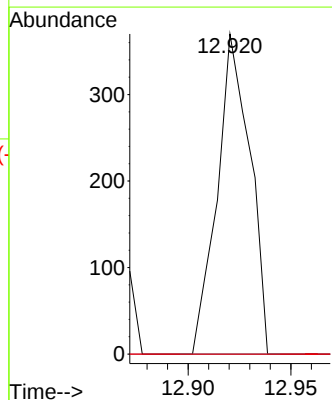
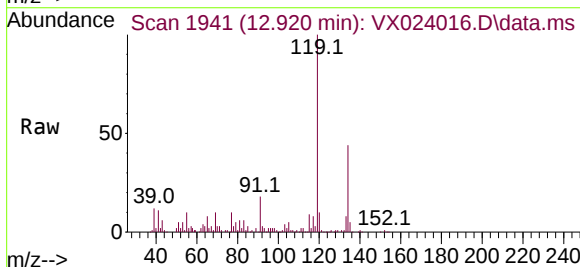
Instrument :
MSVOA_X
ClientSampled :
DAY-1

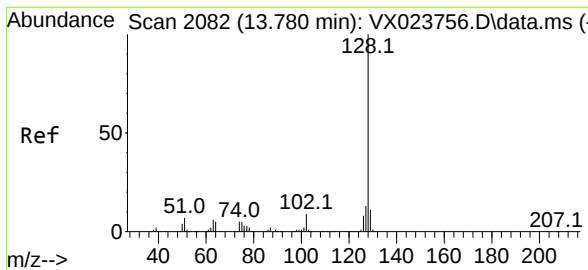
Tgt Ion:146 Resp: 15769
Ion Ratio Lower Upper
146 100
111 43.8 20.8 62.2
148 60.1 31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.758 ug/l
RT: 12.920 min Scan# 1941
Delta R.T. -0.025 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Tgt Ion: 75 Resp: 411
Ion Ratio Lower Upper
75 100
155 0.0 45.3 135.9#
157 0.0 57.7 173.1#





#95
Naphthalene
Concen: 2.091 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX024016.D
Acq: 30 Aug 2021 15:52

Instrument :
MSVOA_X
ClientSampleId :
DAY-1

Tgt Ion:128 Resp: 6825
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 7.8 8.8 13.2#

