

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020322\
 Data File : VX026771.D
 Acq On : 03 Feb 2022 20:18
 Operator : JC/MD
 Sample : N1345-05 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 34032

Quant Time: Feb 04 02:35:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

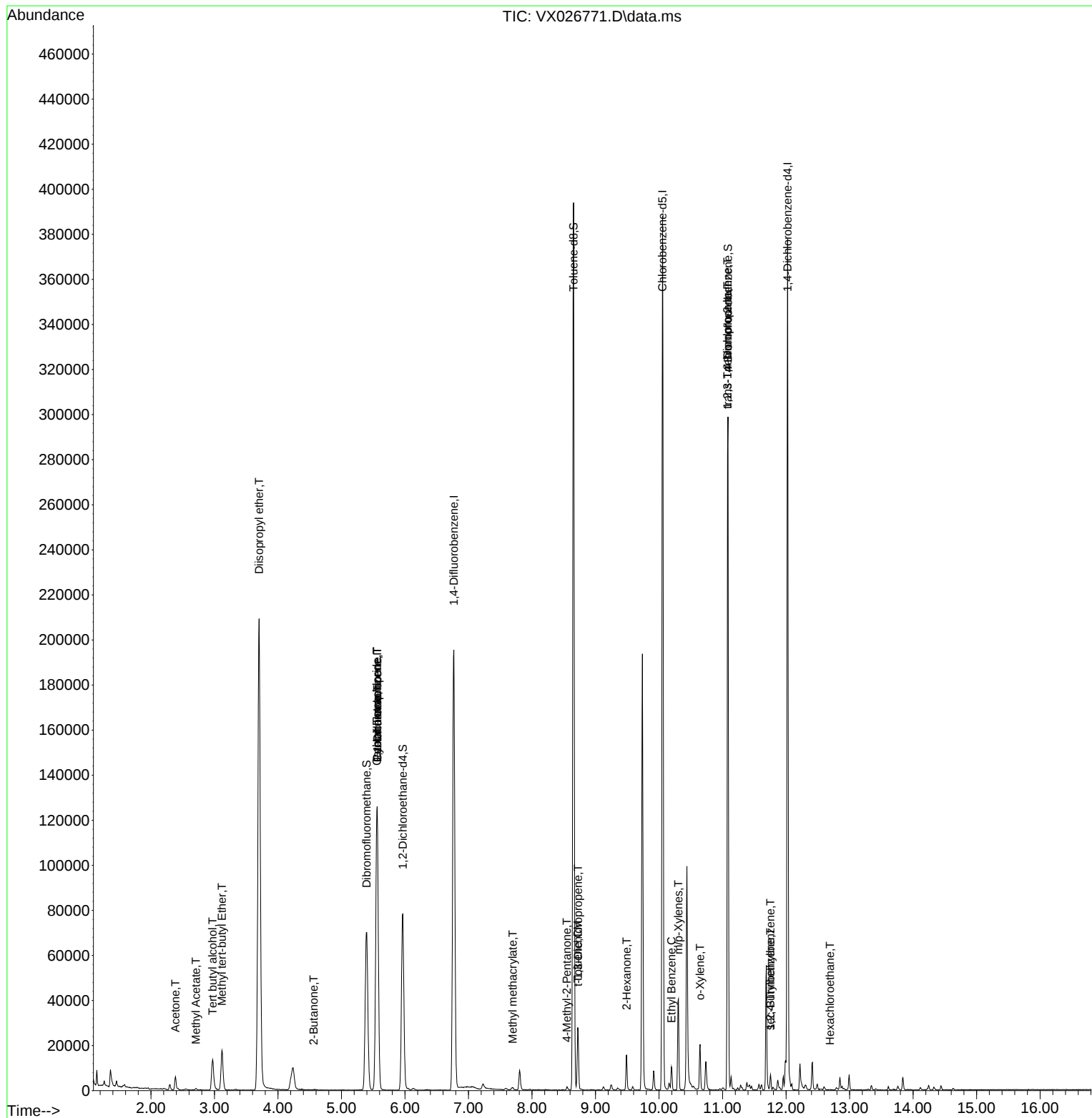
Internal Standards						
1) Pentafluorobenzene	5.562	168	122662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	205004	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	76094	44.409	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.820%		
35) Dibromofluoromethane	5.397	113	63169	47.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.652	98	232080	48.648	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.300%		
62) 4-Bromofluorobenzene	11.085	95	82512	48.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.380%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.971	59	5587	23.439	ug/l #	94
16) Acetone	2.385	43	6495	7.433	ug/l	96
18) Methyl Acetate	2.708	43	977	0.562	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	19361	4.165	ug/l	98
22) Diisopropyl ether	3.702	45	6549	1.369	ug/l #	1
25) 2-Butanone	4.562	43	284	0.250	ug/l #	50
31) Cyclohexane	5.562	56	2308	0.913	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9542	4.566	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12411	5.773	ug/l #	18
48) Methyl methacrylate	7.695	41	651	0.385	ug/l #	27
51) 4-Methyl-2-Pentanone	8.549	43	788	0.389	ug/l #	37
52) Toluene	8.720	92	10308	2.910	ug/l	97
53) t-1,3-Dichloropropene	8.726	75	23	1.889	ug/l #	1
59) 2-Hexanone	9.488	43	2038	1.315	ug/l #	51
67) Ethyl Benzene	10.195	91	5985	0.881	ug/l	99
68) m/p-Xylenes	10.305	106	9655	3.796	ug/l	100
69) o-Xylene	10.646	106	4421	1.801	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	40275	23.841	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	40275	72.697	ug/l #	3
84) 1,2,4-Trimethylbenzene	11.756	105	3066	0.591	ug/l	100
85) sec-Butylbenzene	11.756	105	3066	0.490	ug/l #	56
90) Hexachloroethane	12.694	117	148	2.339	ug/l #	14

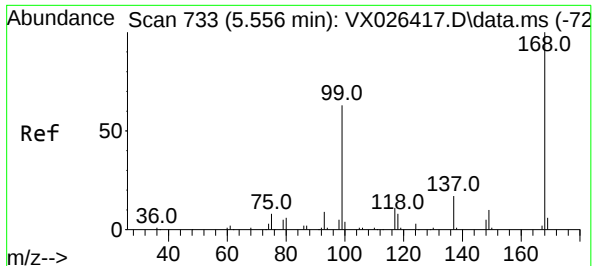
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
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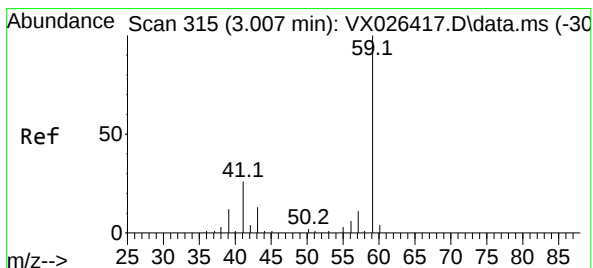
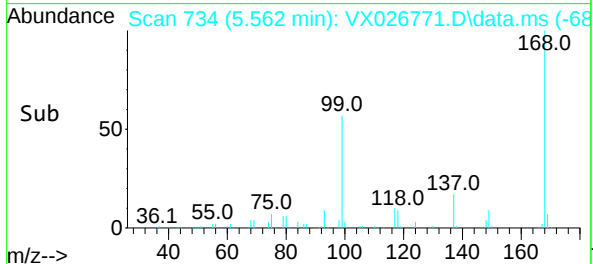
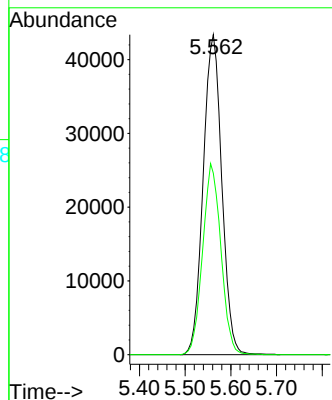
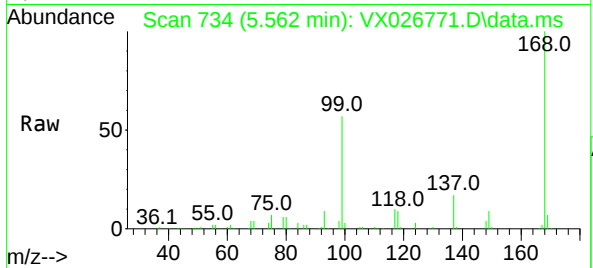




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

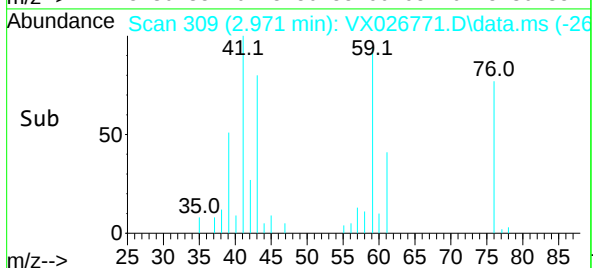
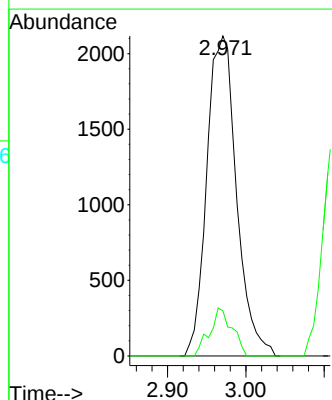
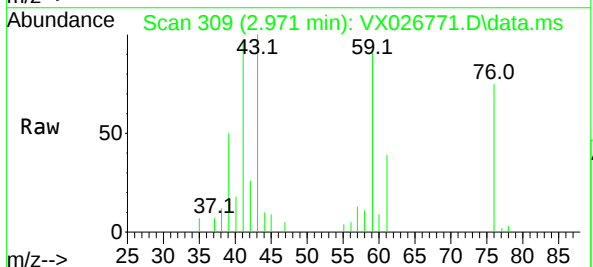
Instrument :
MSVOA_X
ClientSampleId :
34032

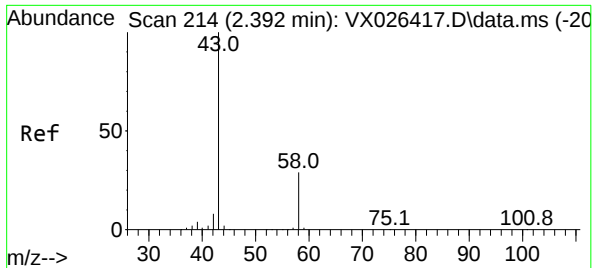
Tgt Ion:168 Resp: 122662
Ion Ratio Lower Upper
168 100
99 56.7 50.3 75.5



#11
Tert butyl alcohol
Concen: 23.439 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.036 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 59 Resp: 5587
Ion Ratio Lower Upper
59 100
57 11.2 7.2 10.8#

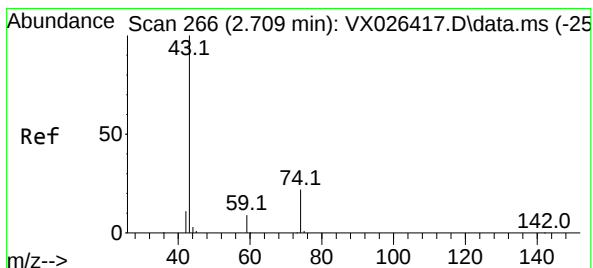
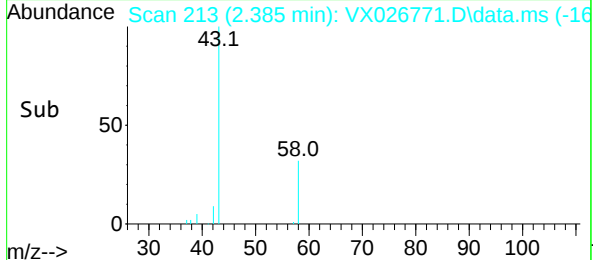
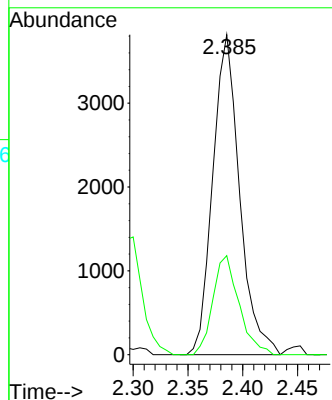
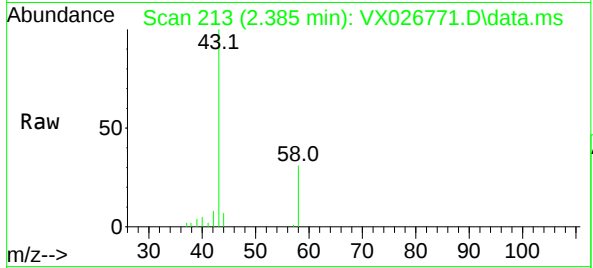




#16
Acetone
Concen: 7.433 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

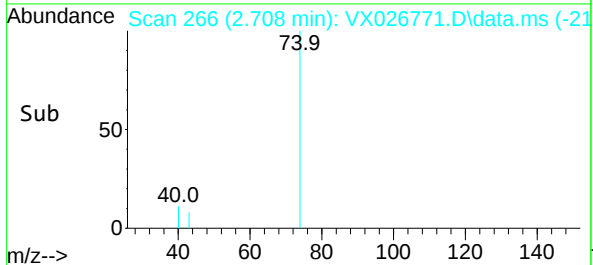
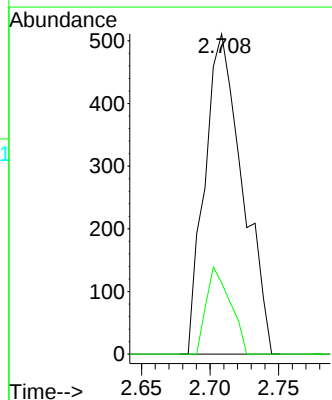
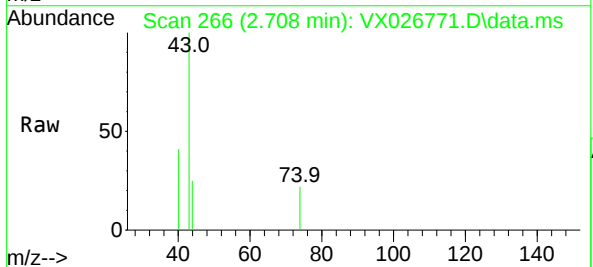
Instrument :
MSVOA_X
ClientSampleId :
34032

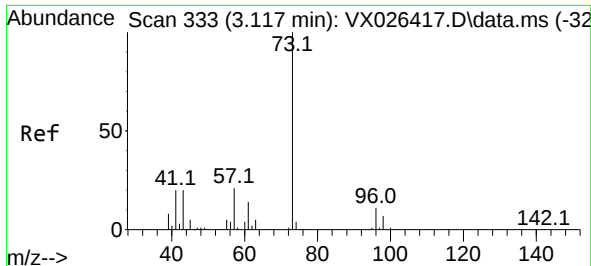
Tgt Ion: 43 Resp: 6495
Ion Ratio Lower Upper
43 100
58 30.9 23.0 34.6



#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 17.3 18.3 27.5#





#19

Methyl tert-butyl Ether

Concen: 4.165 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

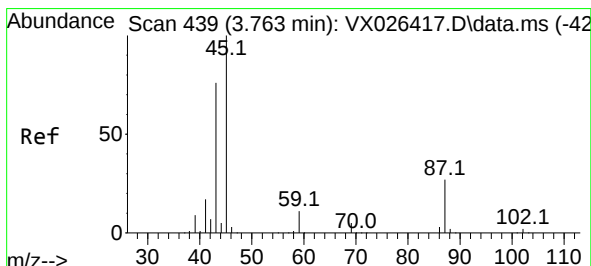
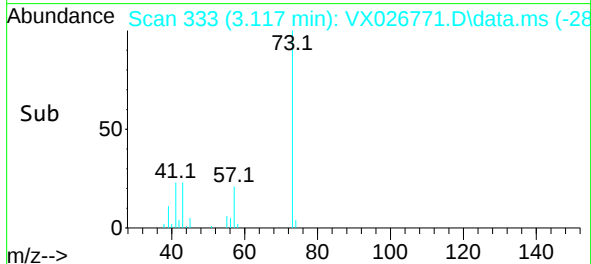
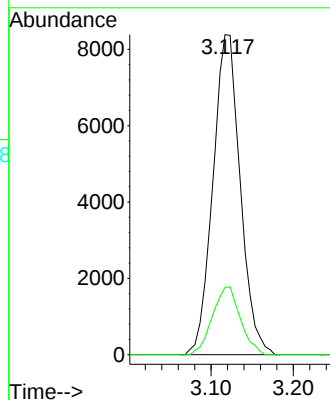
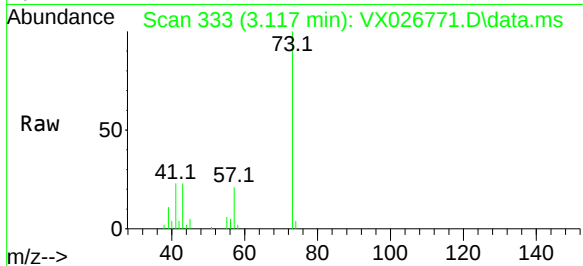
34032

Tgt Ion: 73 Resp: 19361

Ion Ratio Lower Upper

73 100

57 21.1 17.4 26.2



#22

Diisopropyl ether

Concen: 1.369 ug/l

RT: 3.702 min Scan# 429

Delta R.T. -0.061 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

Tgt Ion: 45 Resp: 6549

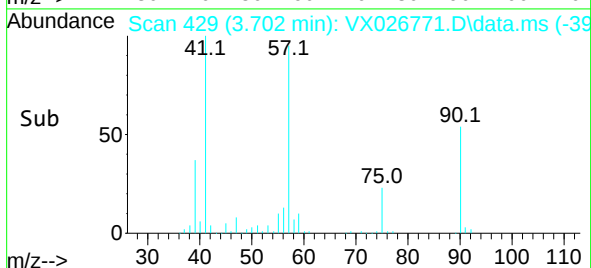
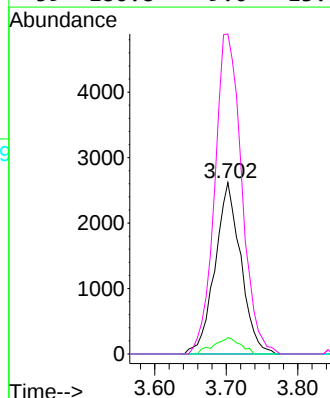
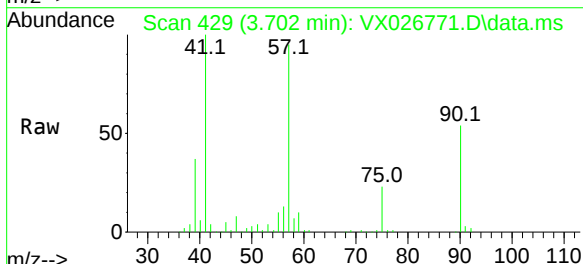
Ion Ratio Lower Upper

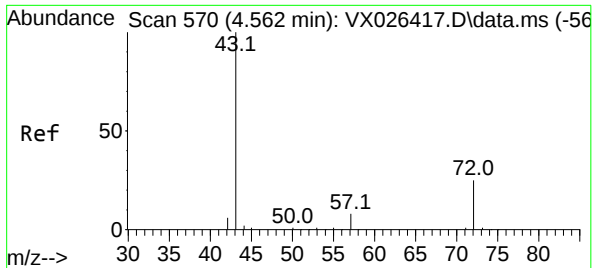
45 100

43 9.5 60.6 91.0#

87 0.0 22.0 33.0#

59 186.8 9.0 13.4#

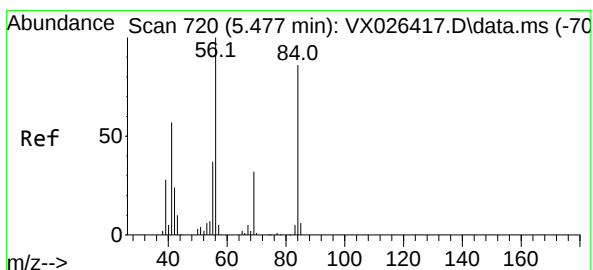
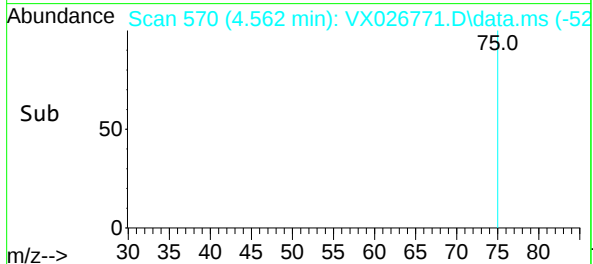
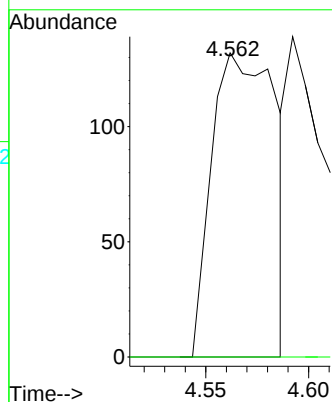
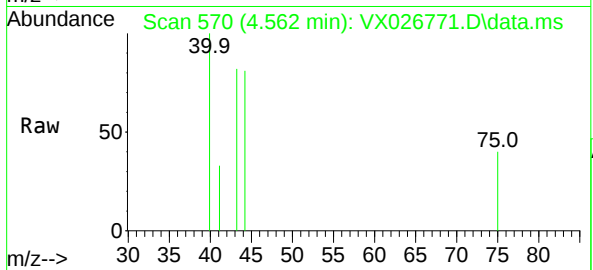




#25
2-Butanone
Concen: 0.250 ug/l
RT: 4.562 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

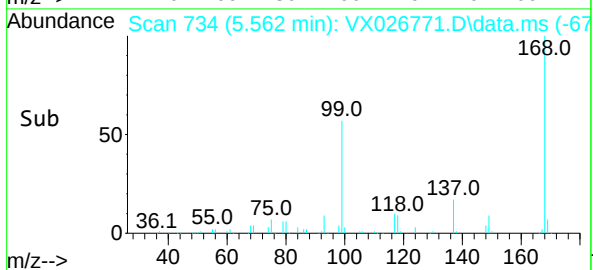
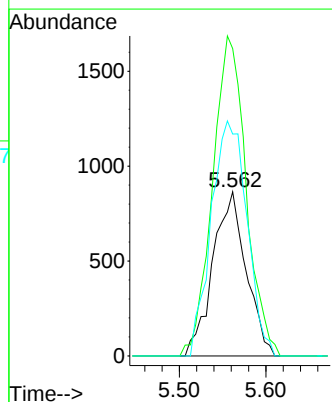
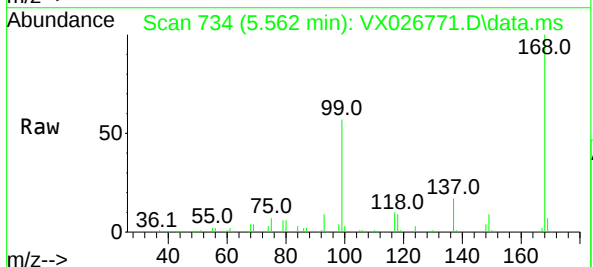
Instrument :
MSVOA_X
ClientSampleId :
34032

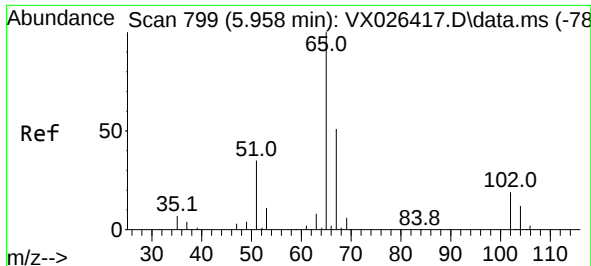
Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
72 0.0 20.4 30.6#



#31
Cyclohexane
Concen: 0.913 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
69 187.2 25.8 38.6#
84 135.1 68.9 103.3#

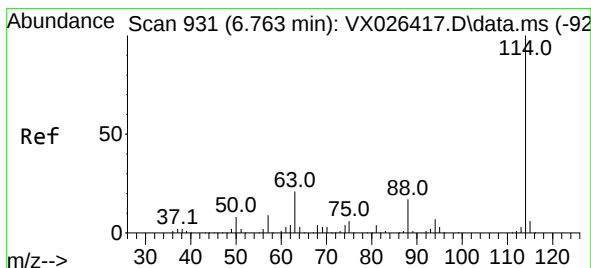
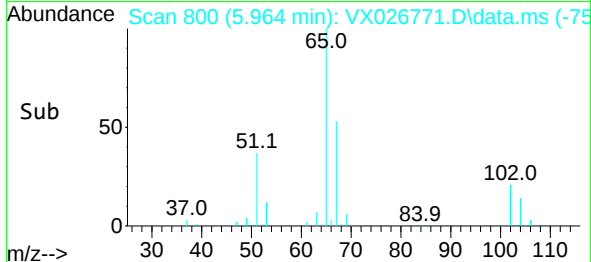
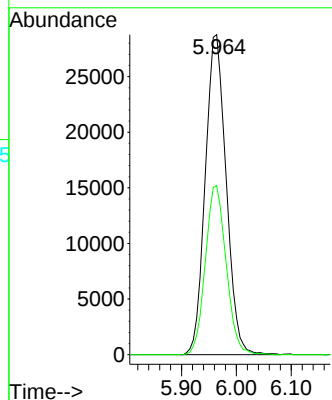
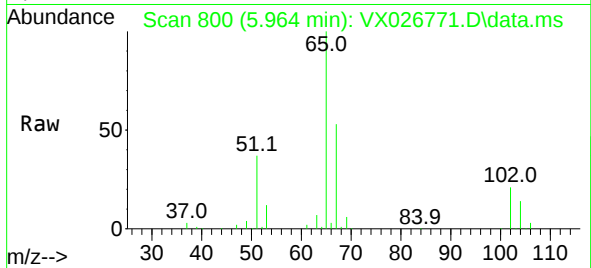




#33
 1,2-Dichloroethane-d4
 Concen: 44.409 ug/l
 RT: 5.964 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

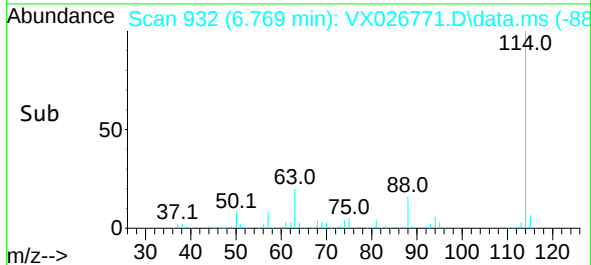
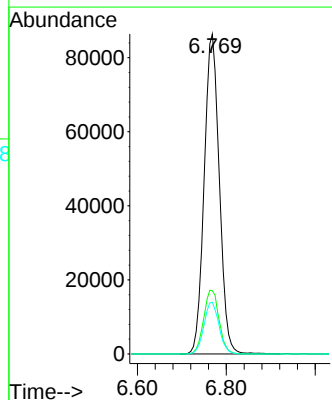
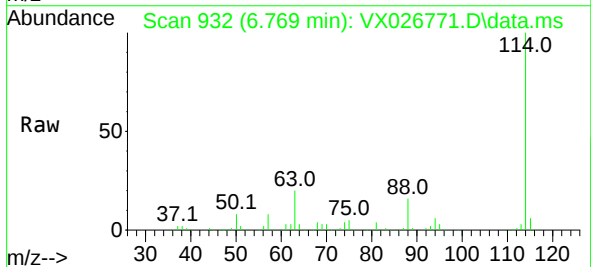
Instrument :
 MSVOA_X
 ClientSampleId :
 34032

Tgt Ion: 65 Resp: 76094
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.006 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

Tgt Ion: 114 Resp: 205004
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.716 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026771.D

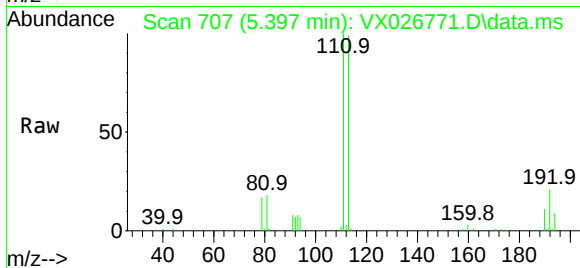
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Instrument :

MSVOA_X

ClientSampleId :

34032



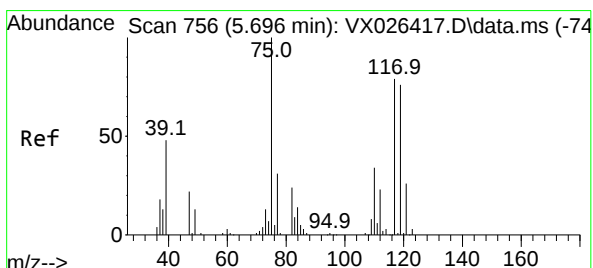
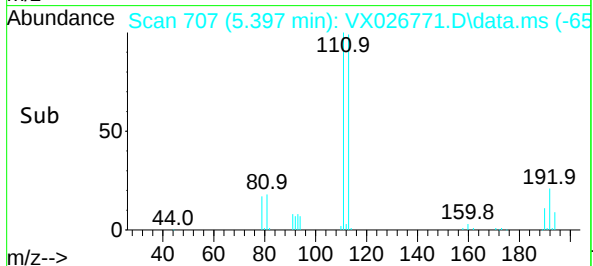
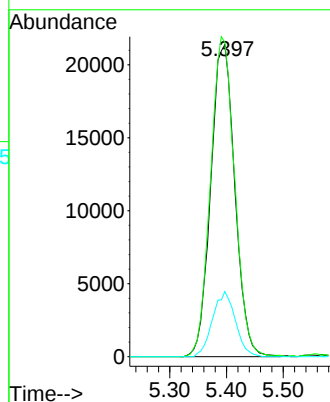
Tgt Ion:113 Resp: 63169

Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 19.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

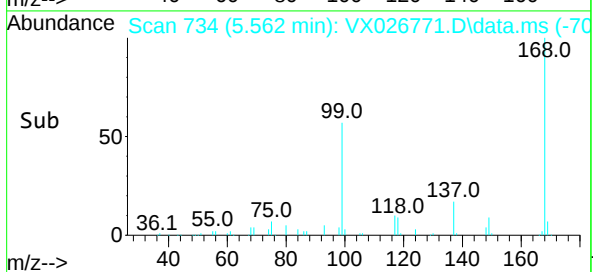
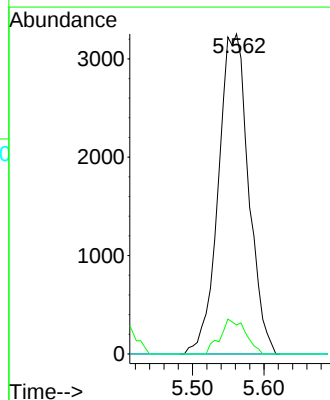
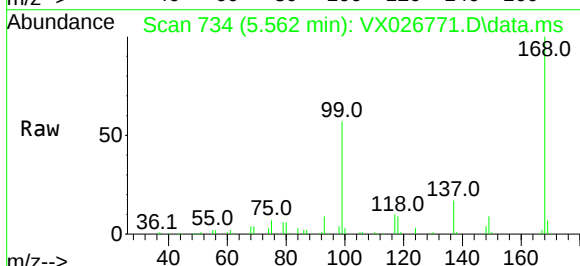
Tgt Ion: 75 Resp: 9542

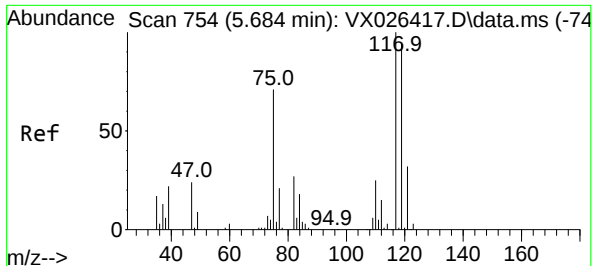
Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.6#

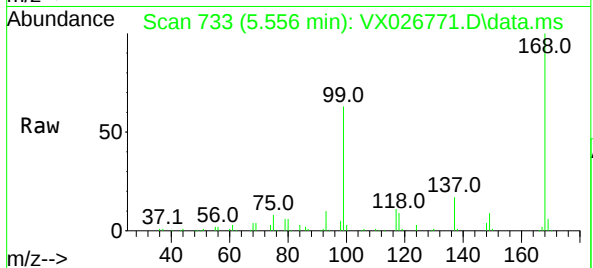
77 0.0 24.6 36.8#



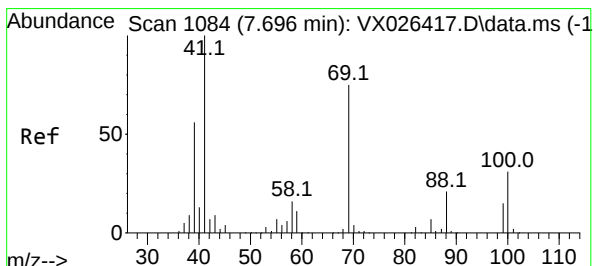
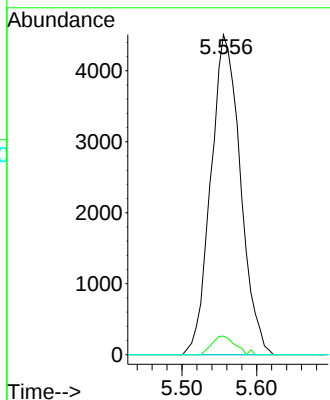
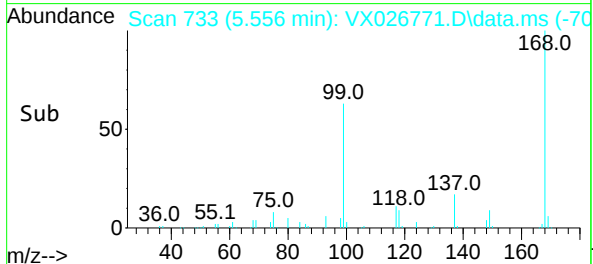


#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
34032

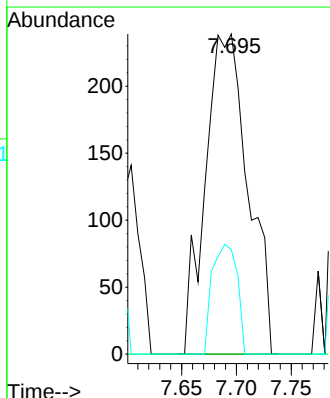
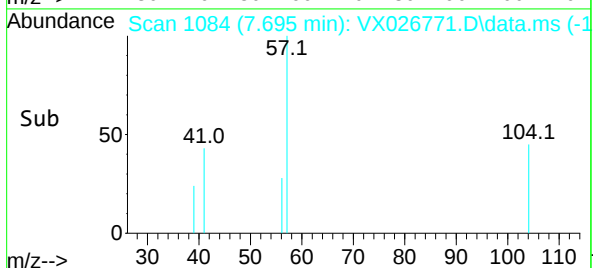
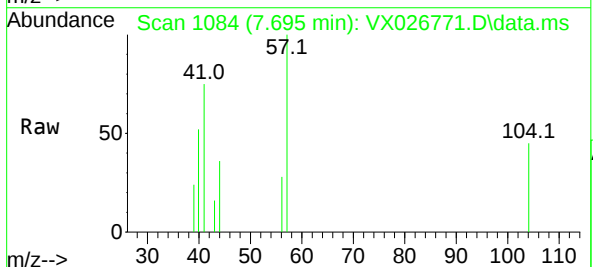


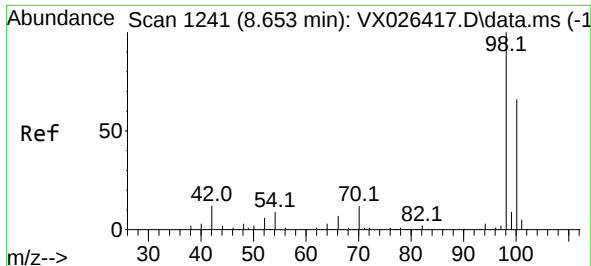
Tgt Ion:117 Resp: 12411
Ion Ratio Lower Upper
117 100
119 5.8 74.7 112.1#
121 0.0 25.4 38.0#



#48
Methyl methacrylate
Concen: 0.385 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 41 Resp: 651
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 19.8 45.4 68.0#

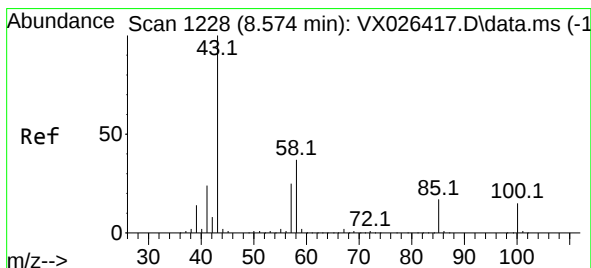
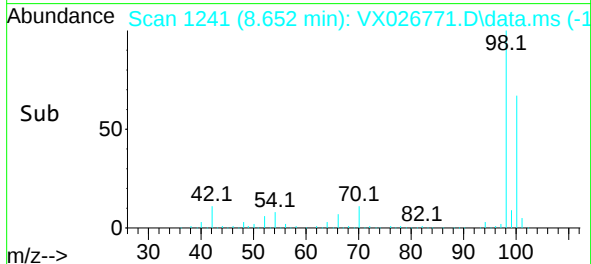
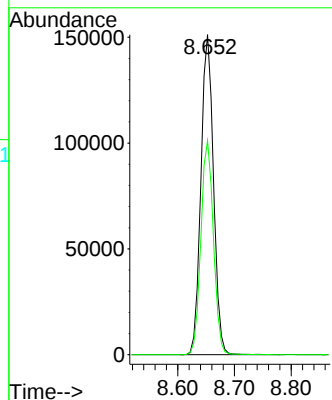
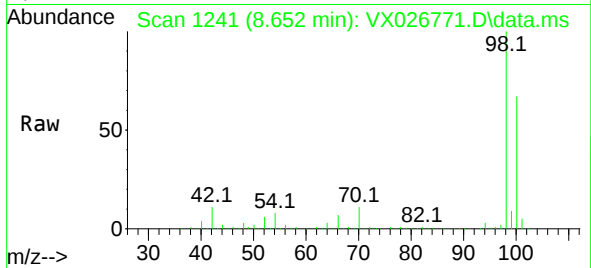




#50
Toluene-d8
Concen: 48.648 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

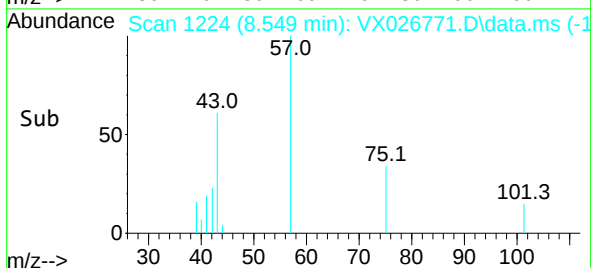
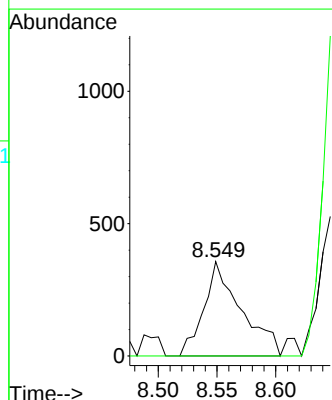
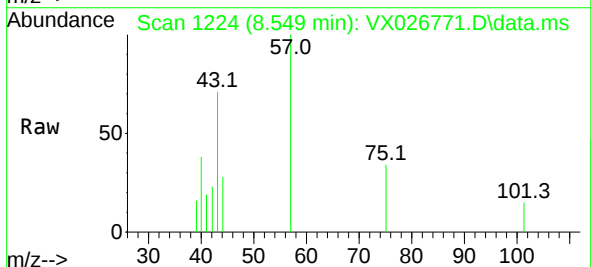
Instrument :
MSVOA_X
ClientSampleId :
34032

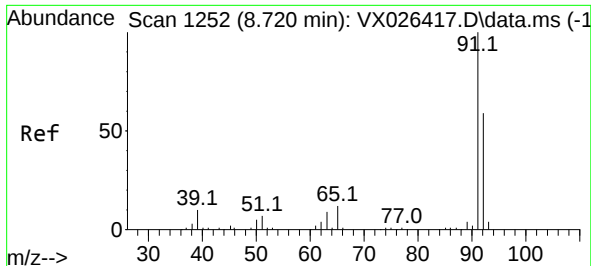
Tgt Ion: 98 Resp: 232080
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 0.389 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 0.0 30.5 45.7#

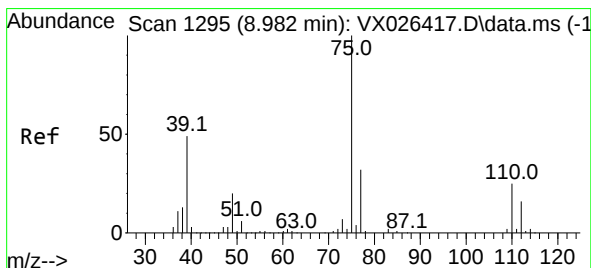
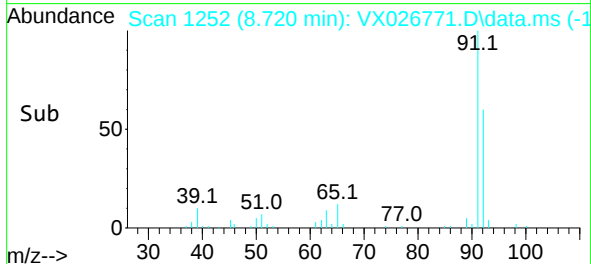
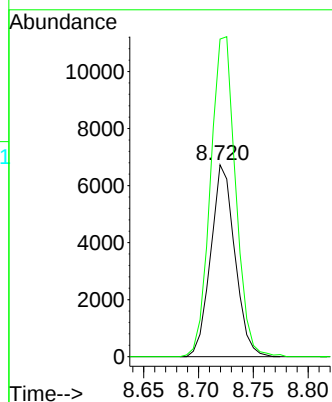
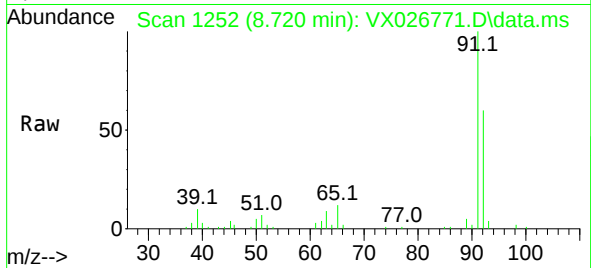




#52
Toluene
Concen: 2.910 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

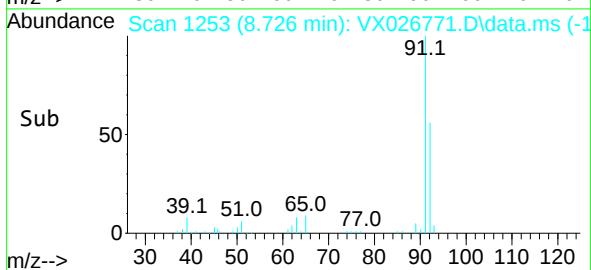
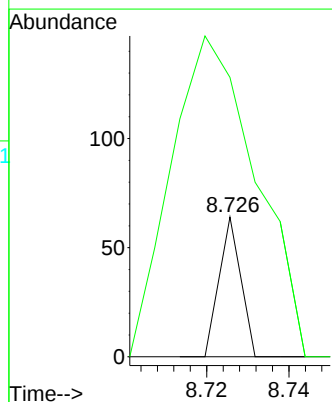
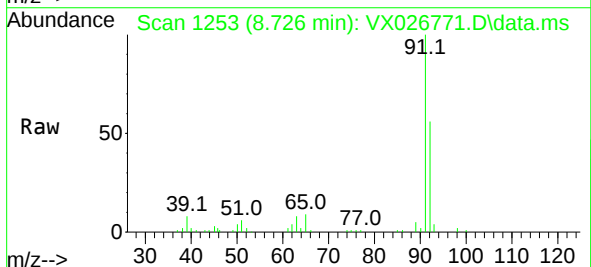
Instrument :
MSVOA_X
ClientSampleId :
34032

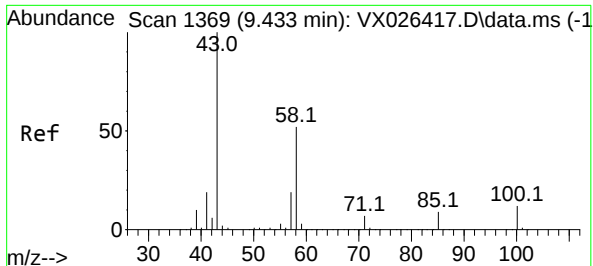
Tgt Ion: 92 Resp: 10308
Ion Ratio Lower Upper
92 100
91 173.7 135.7 203.5



#53
t-1,3-Dichloropropene
Concen: 1.889 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. -0.256 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 75 Resp: 23
Ion Ratio Lower Upper
75 100
77 103.1 25.7 38.5#





#59

2-Hexanone

Concen: 1.315 ug/l

RT: 9.488 min Scan# 11

Delta R.T. 0.055 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

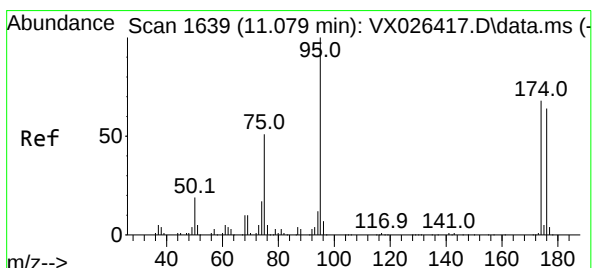
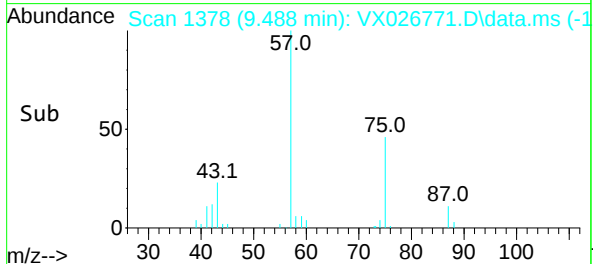
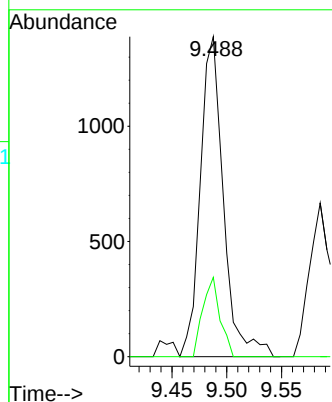
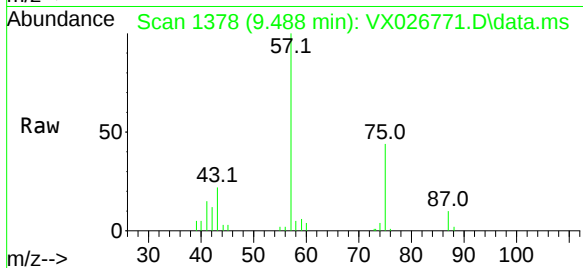
34032

Tgt Ion: 43 Resp: 2038

Ion Ratio Lower Upper

43 100

58 18.4 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 48.688 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

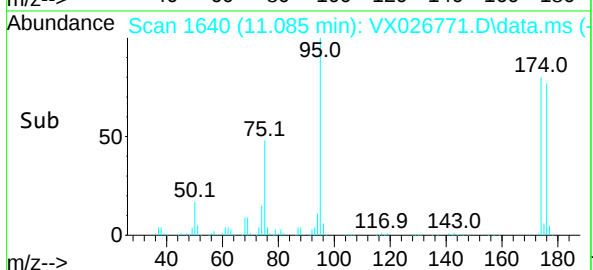
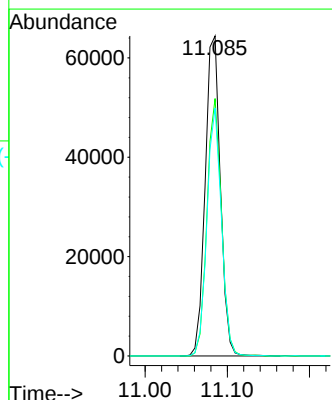
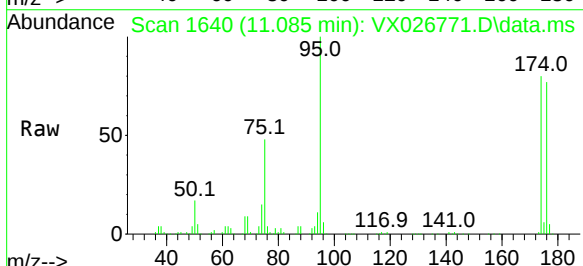
Tgt Ion: 95 Resp: 82512

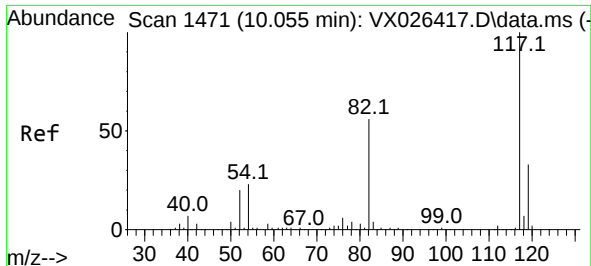
Ion Ratio Lower Upper

95 100

174 76.8 0.0 148.6

176 74.2 0.0 141.4

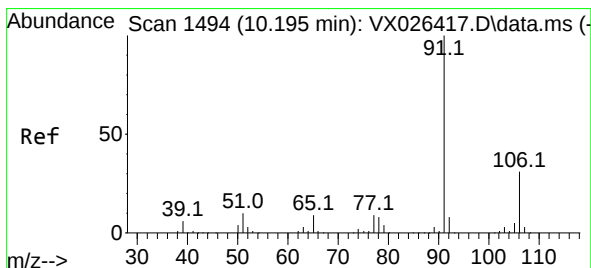
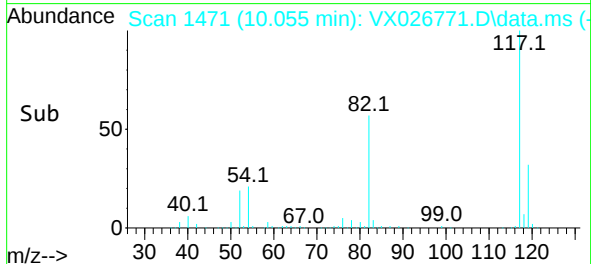
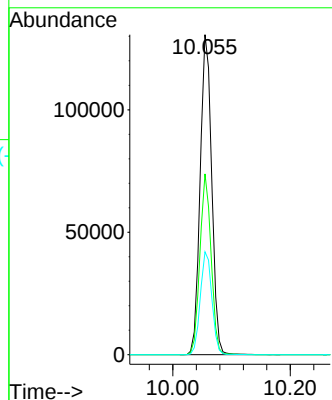
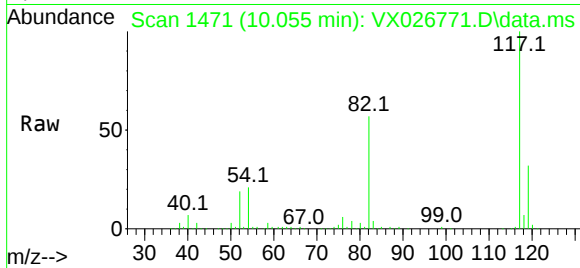




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

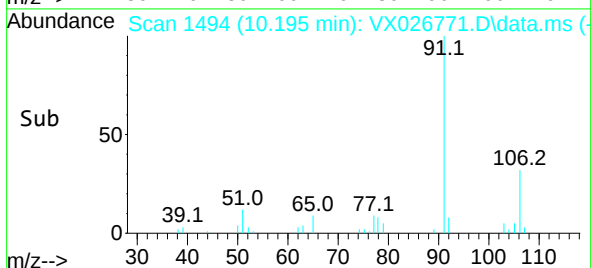
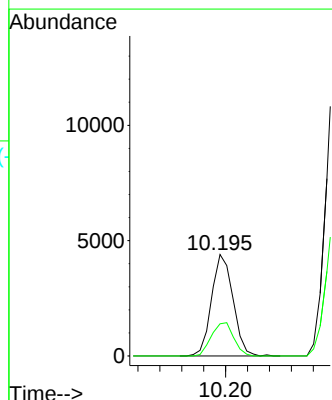
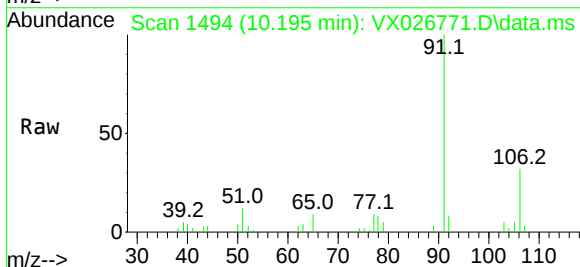
Instrument :
MSVOA_X
ClientSampleId :
34032

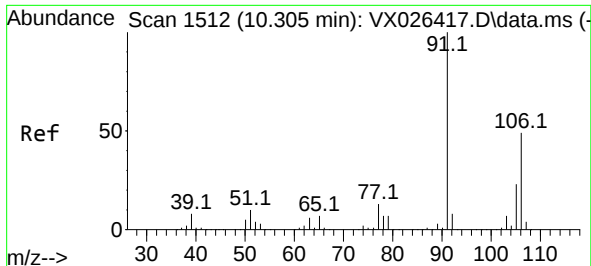
Tgt Ion:117 Resp: 177609
Ion Ratio Lower Upper
117 100
82 56.5 45.2 67.8
119 32.2 26.2 39.2



#67
Ethyl Benzene
Concen: 0.881 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 91 Resp: 5985
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1





#68

m/p-Xylenes

Concen: 3.796 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX026771.D

Acq: 03 Feb 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

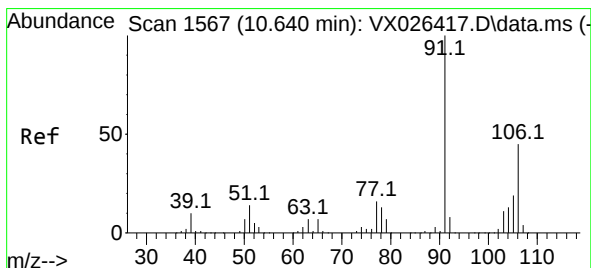
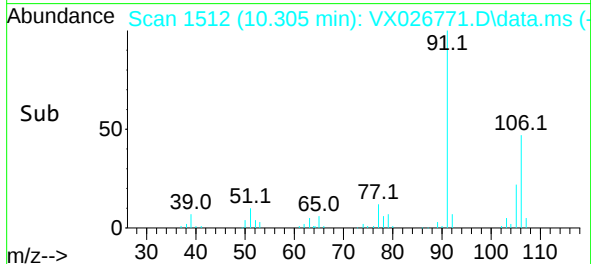
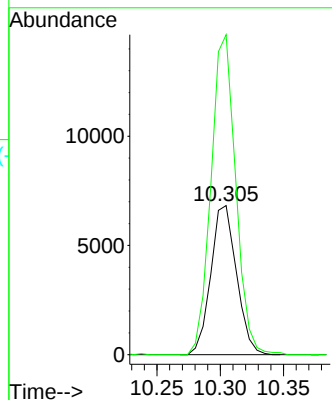
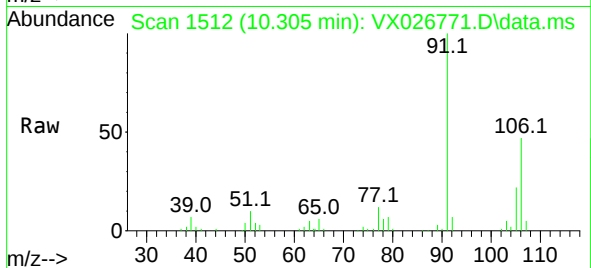
34032

Tgt Ion:106 Resp: 9655

Ion Ratio Lower Upper

106 100

91 206.0 165.3 247.9



#69

o-Xylene

Concen: 1.801 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX026771.D

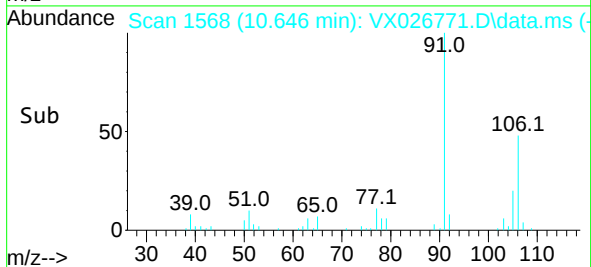
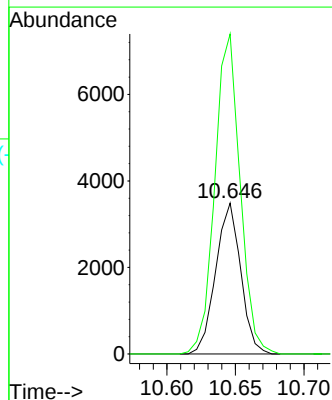
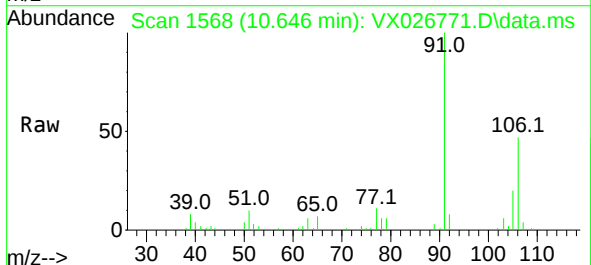
Acq: 03 Feb 2022 20:18

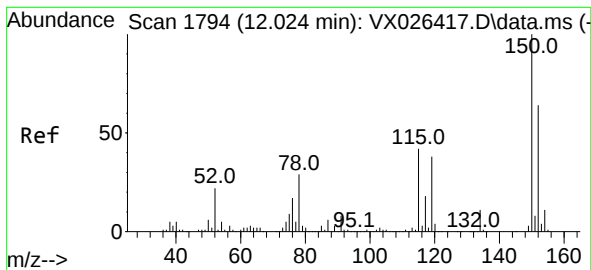
Tgt Ion:106 Resp: 4421

Ion Ratio Lower Upper

106 100

91 214.3 109.7 329.0

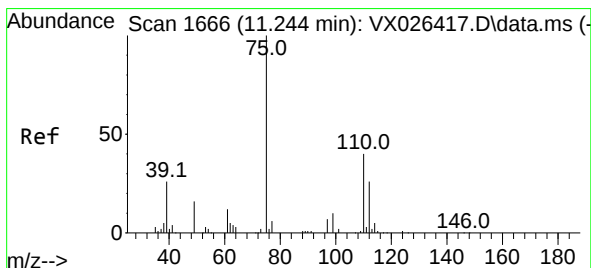
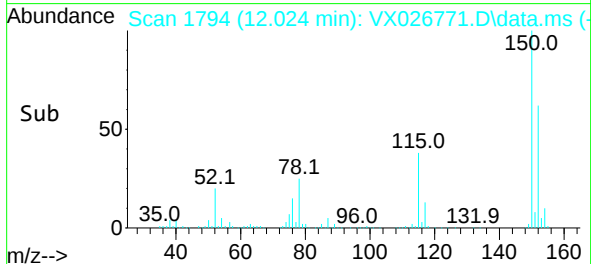
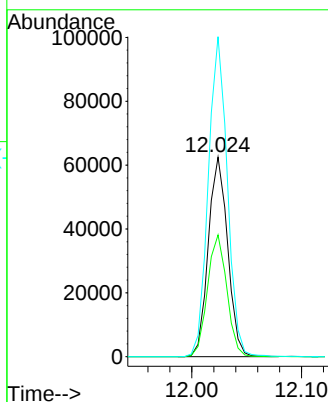
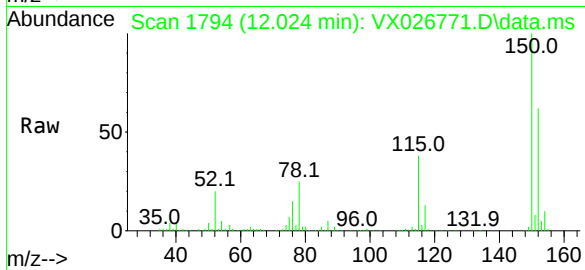




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

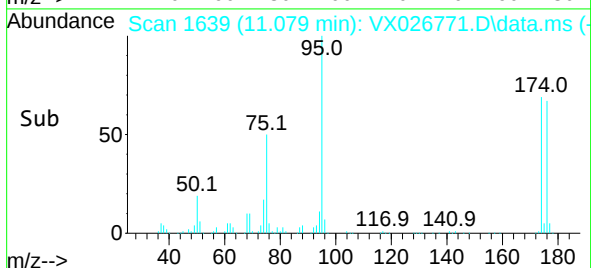
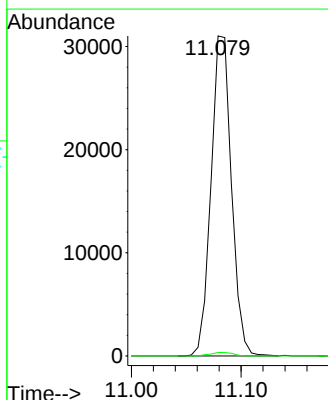
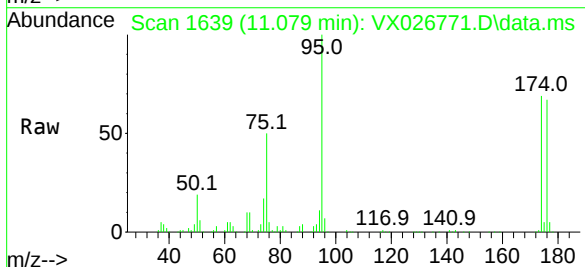
Instrument :
 MSVOA_X
 ClientSampleId :
 34032

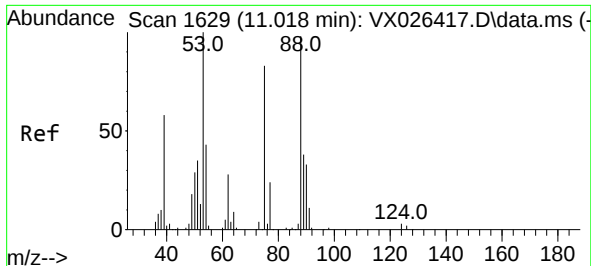
Tgt Ion:152 Resp: 76726
 Ion Ratio Lower Upper
 152 100
 115 60.9 44.2 132.6
 150 157.8 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 23.841 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

Tgt Ion: 75 Resp: 40275
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.3 54.8#

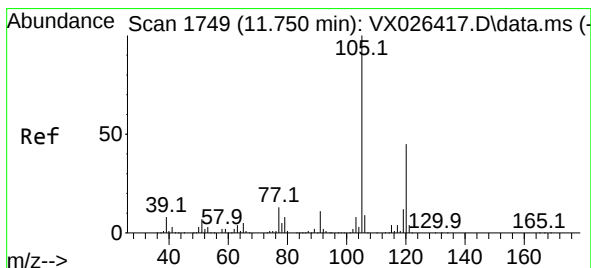
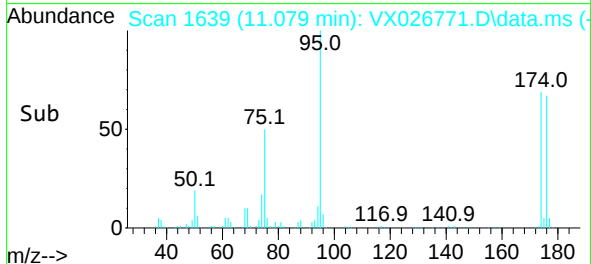
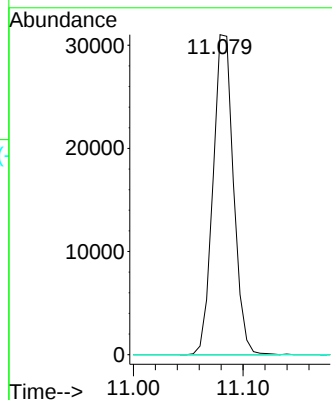
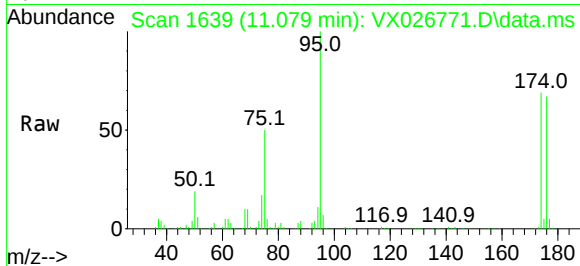




#81
trans-1,4-Dichloro-2-butene
Concen: 72.697 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

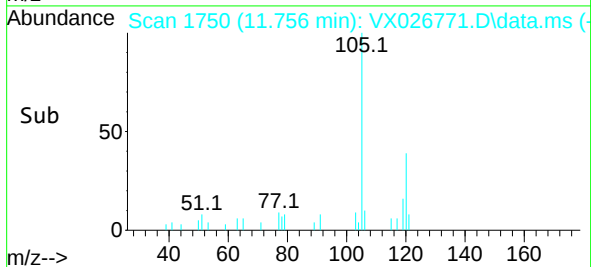
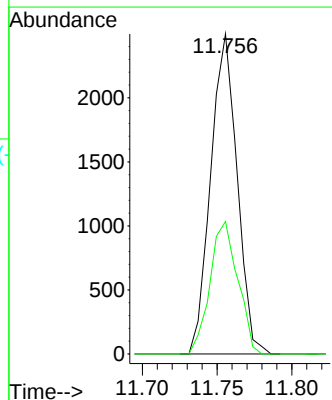
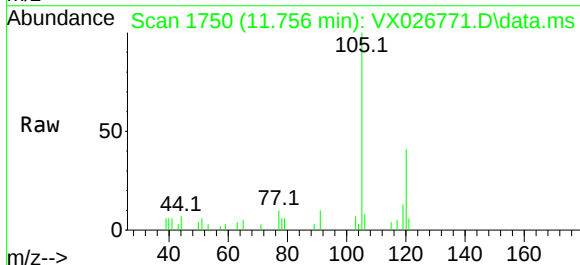
Instrument :
MSVOA_X
ClientSampleId :
34032

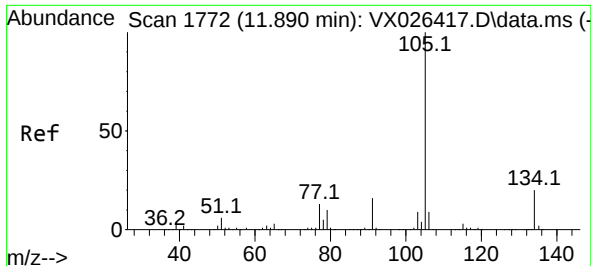
Tgt Ion: 75 Resp: 40275
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.591 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX026771.D
Acq: 03 Feb 2022 20:18

Tgt Ion: 105 Resp: 3066
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.5

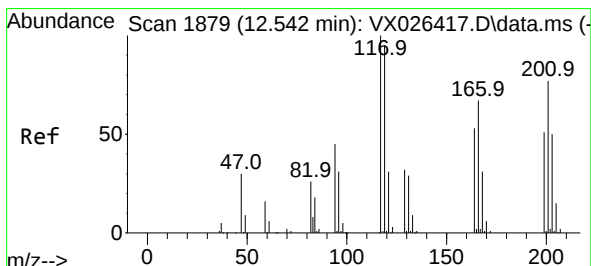
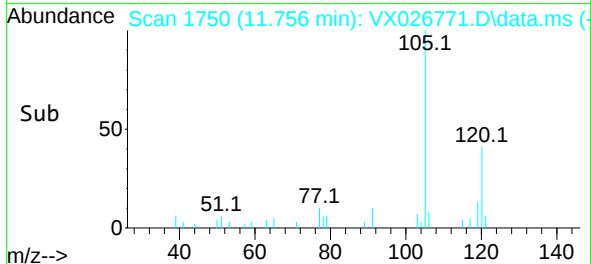
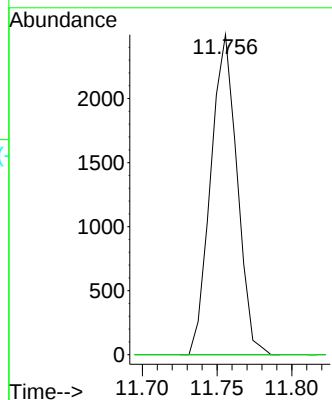
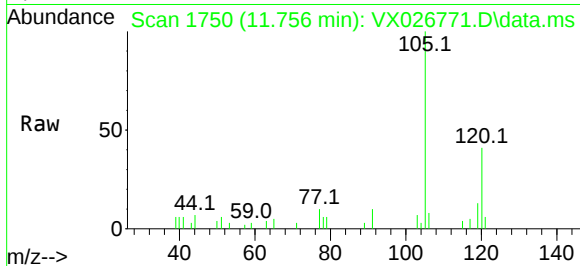




#85
 sec-Butylbenzene
 Concen: 0.490 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

Instrument :
 MSVOA_X
 ClientSampleId :
 34032

Tgt Ion:105 Resp: 3066
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 2.339 ug/l
 RT: 12.694 min Scan# 1904
 Delta R.T. 0.152 min
 Lab File: VX026771.D
 Acq: 03 Feb 2022 20:18

Tgt Ion:117 Resp: 148
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.6 106.8#

