

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111522\
 Data File : VX032853.D
 Acq On : 16 Nov 2022 08:06
 Operator : JC/MD
 Sample : N5640-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 08:37:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

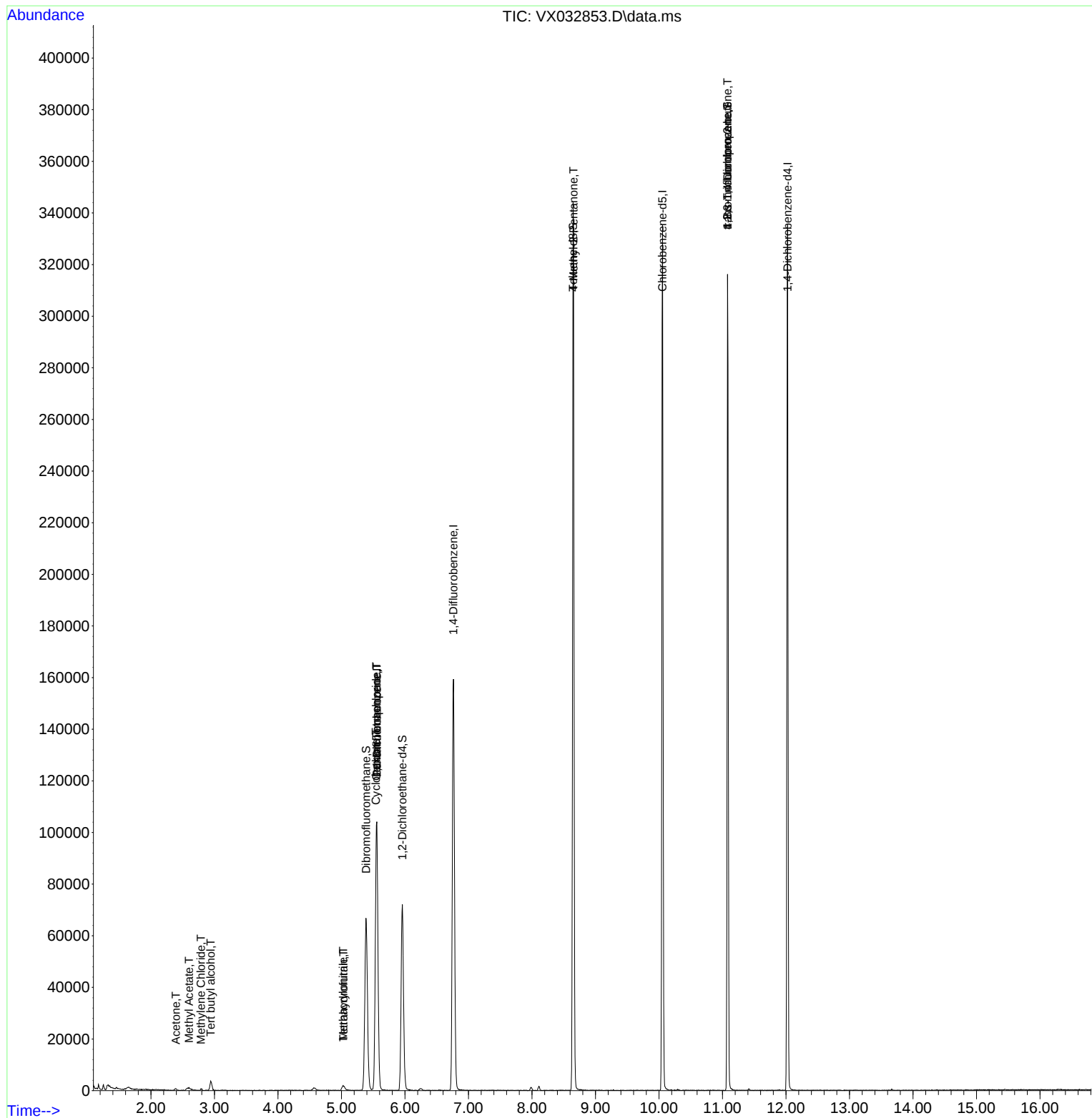
Internal Standards						
1) Pentafluorobenzene	5.556	168	99753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	165781	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	150084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	71696	51.727	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.460%			
35) Dibromofluoromethane	5.385	113	57259	48.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.840%			
50) Toluene-d8	8.647	98	203849	49.575	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.160%			
62) 4-Bromofluorobenzene	11.079	95	77841	48.462	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.920%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	2167	10.742	ug/l #	72
16) Acetone	2.392	43	866	1.719	ug/l #	88
18) Methyl Acetate	2.599	43	473	0.289	ug/l #	51
20) Methylene Chloride	2.788	84	338	0.293	ug/l #	67
29) Tetrahydrofuran	5.032	42	1737	3.490	ug/l	94
31) Cyclohexane	5.544	56	2307	1.373	ug/l #	51
36) 1,1-Dichloropropene	5.556	75	7773	4.720	ug/l #	50
38) Carbon Tetrachloride	5.550	117	10232	5.602	ug/l #	16
41) Methacrylonitrile	5.026	41	1020	1.168	ug/l #	37
51) 4-Methyl-2-Pentanone	8.653	43	951	0.574	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	43048	27.832	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	43048	88.563	ug/l #	6

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

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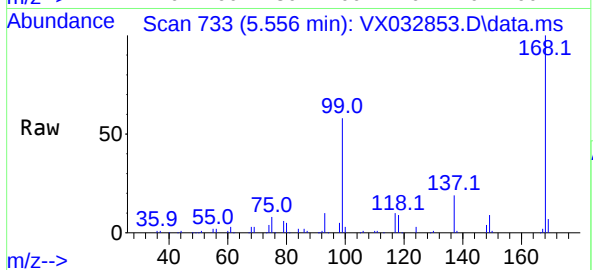
Quant Time: Nov 16 08:37:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
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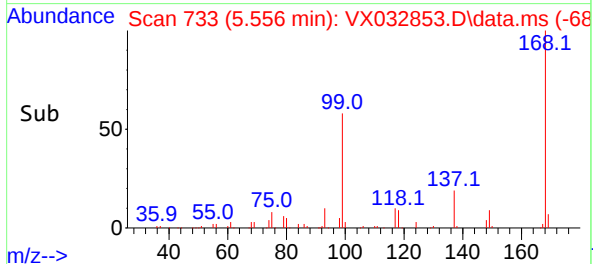
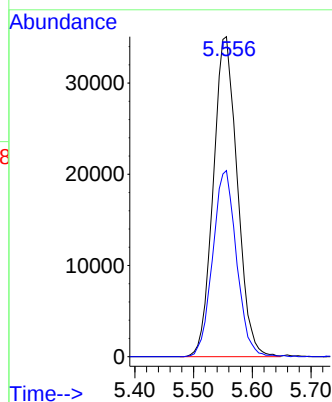


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Instrument :
MSVOA_X
ClientSampleId :

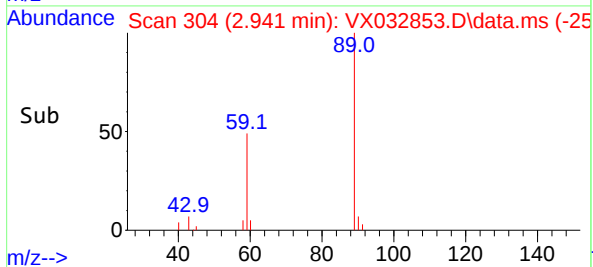
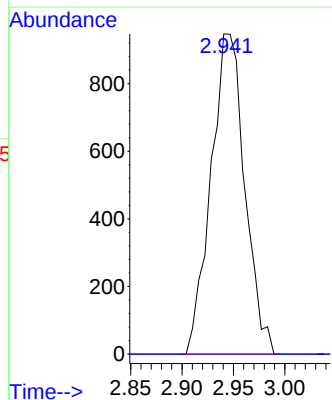
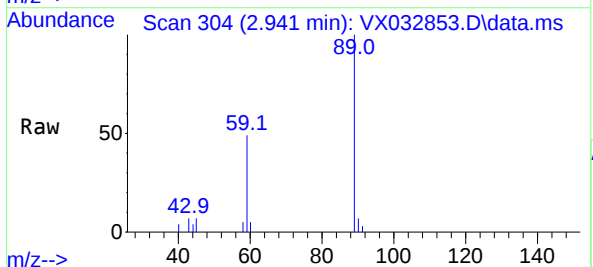


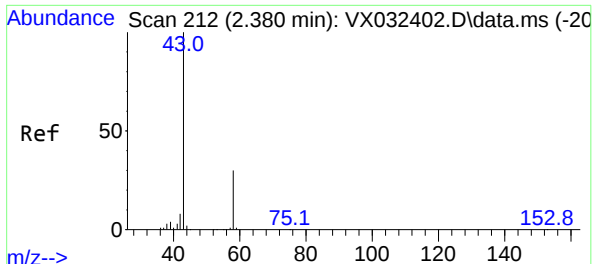
Tgt Ion:168 Resp: 99753
Ion Ratio Lower Upper
168 100
99 58.2 46.1 69.1



#11
Tert butyl alcohol
Concen: 10.742 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion: 59 Resp: 2167
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

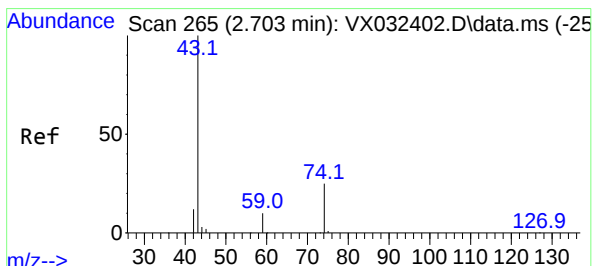
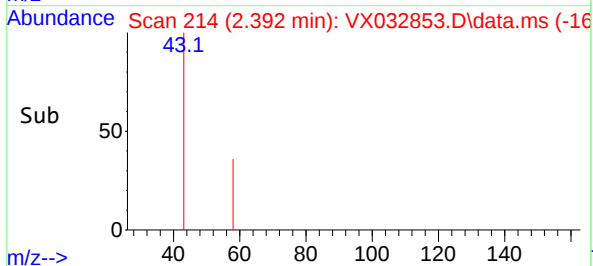
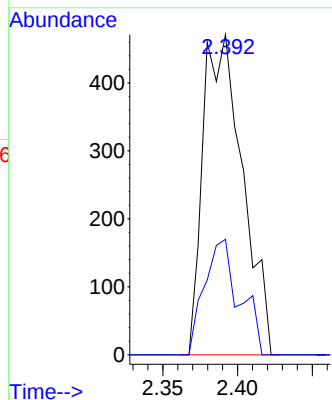
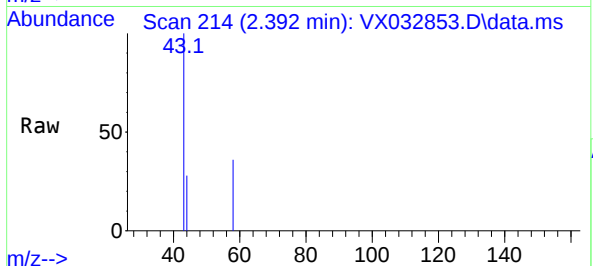




#16
Acetone
Concen: 1.719 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

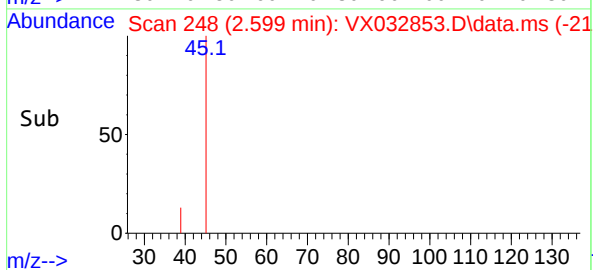
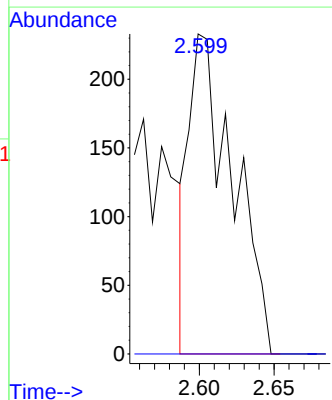
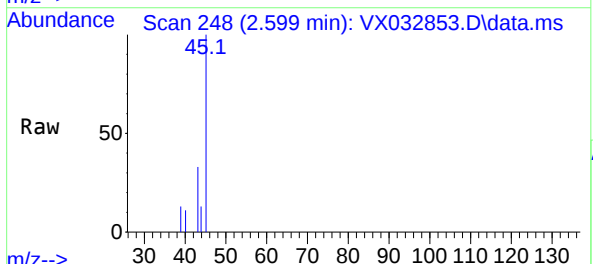
Instrument :
MSVOA_X
ClientSampleId :

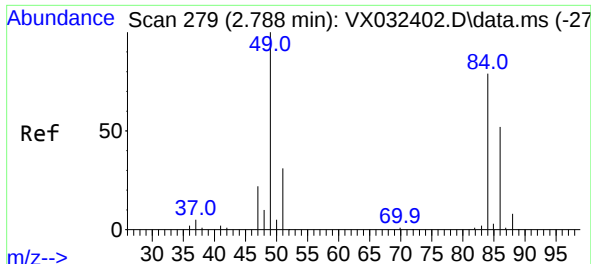
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 36.1 23.8 35.8#



#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 2.599 min Scan# 248
Delta R.T. -0.103 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#20

Methylene Chloride

Concen: 0.293 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

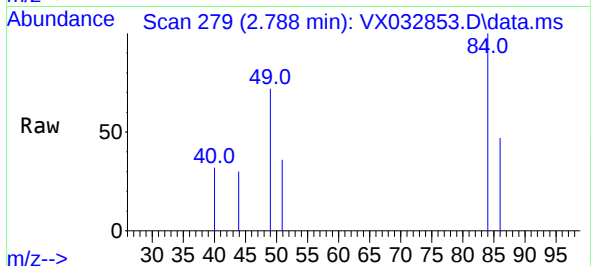
Lab File: VX032853.D

Acq: 16 Nov 2022 08:06

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 338

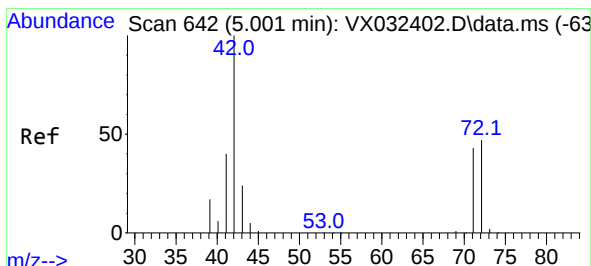
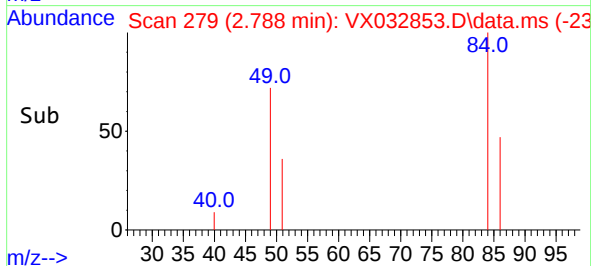
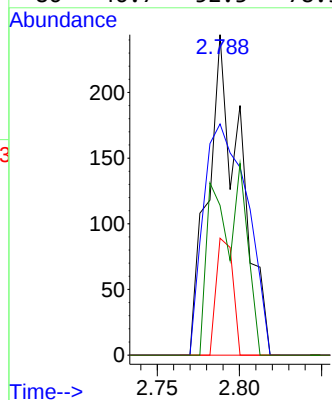
Ion Ratio Lower Upper

84 100

49 72.1 101.0 151.6#

51 36.5 31.1 46.7

86 46.7 52.3 78.5#



#29

Tetrahydrofuran

Concen: 3.490 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.031 min

Lab File: VX032853.D

Acq: 16 Nov 2022 08:06

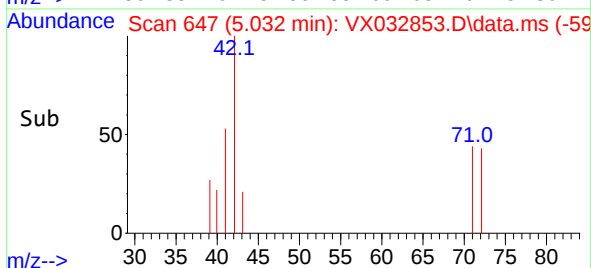
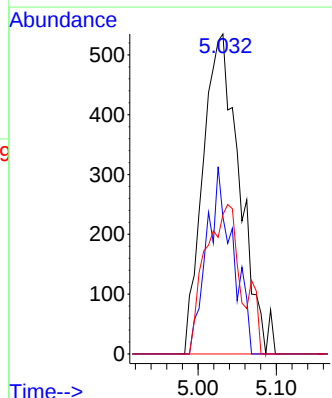
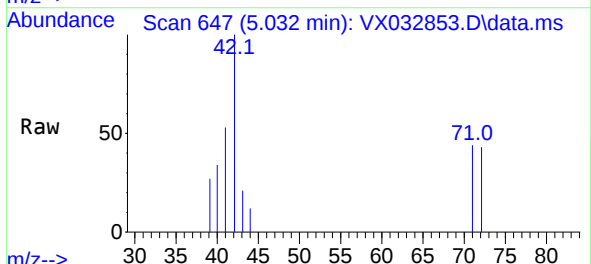
Tgt Ion: 42 Resp: 1737

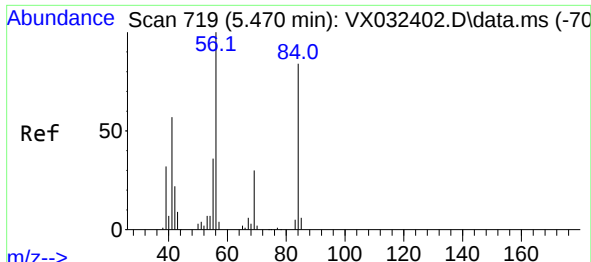
Ion Ratio Lower Upper

42 100

72 41.5 37.6 56.4

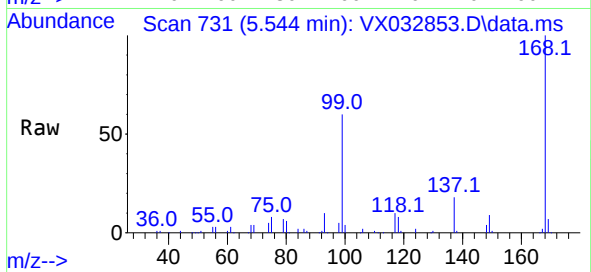
71 41.7 34.7 52.1



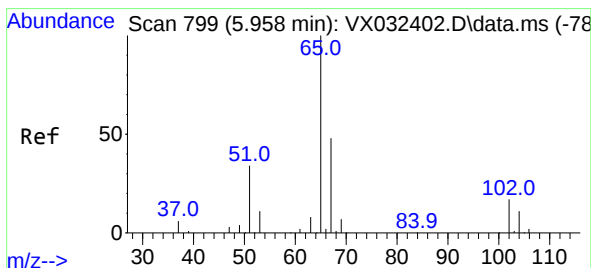
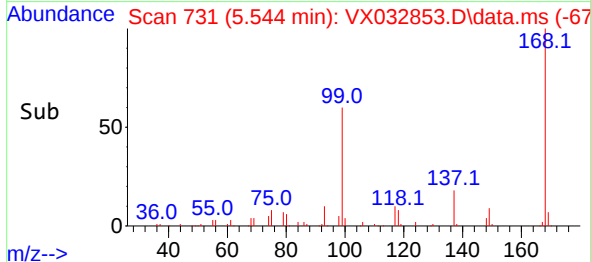
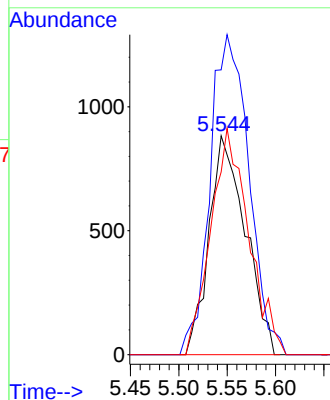


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Instrument :
MSVOA_X
ClientSampleId :

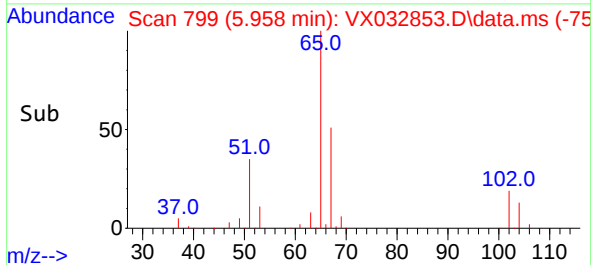
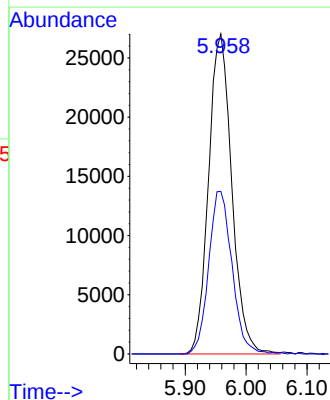
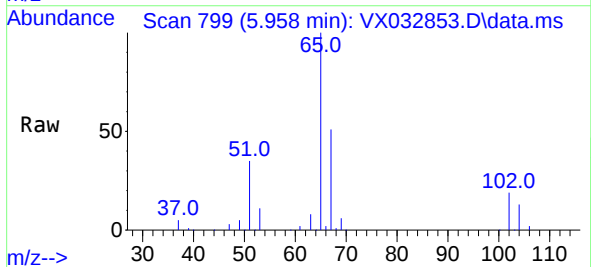


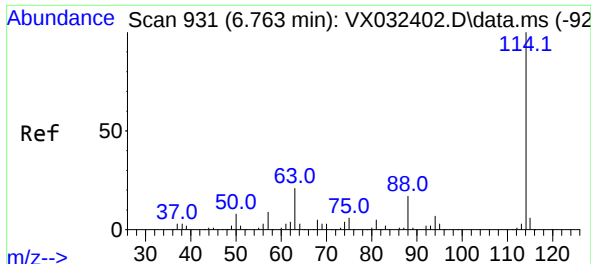
Tgt Ion: 56 Resp: 2307
Ion Ratio Lower Upper
56 100
69 130.1 24.1 36.1#
84 83.5 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 51.727 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion: 65 Resp: 71696
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.8

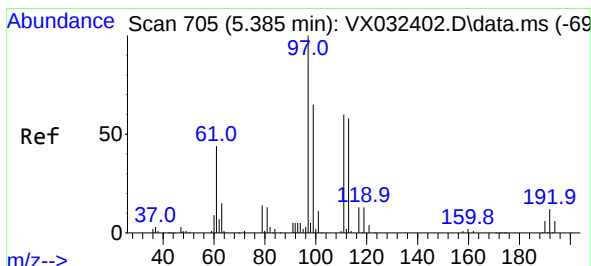
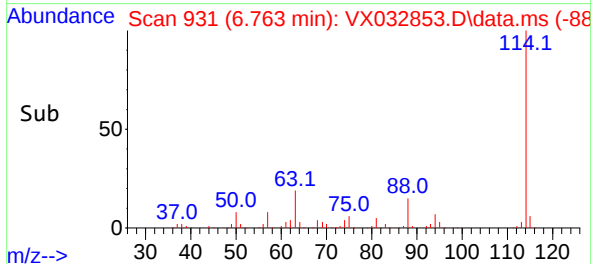
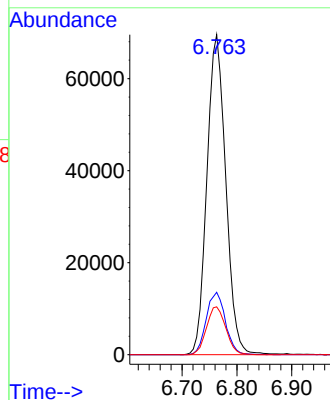
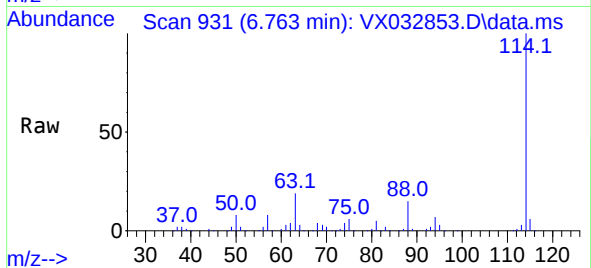




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

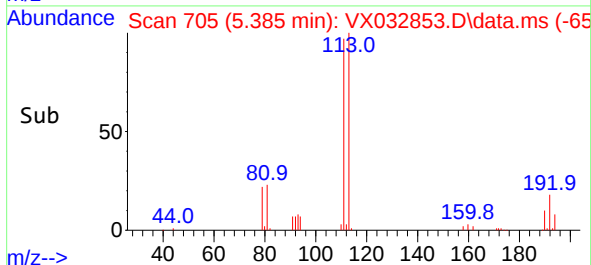
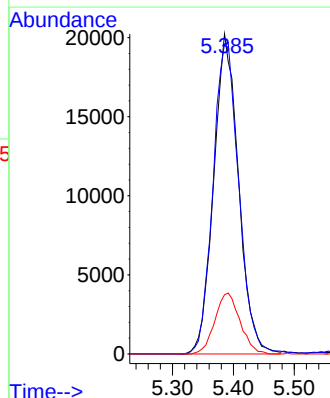
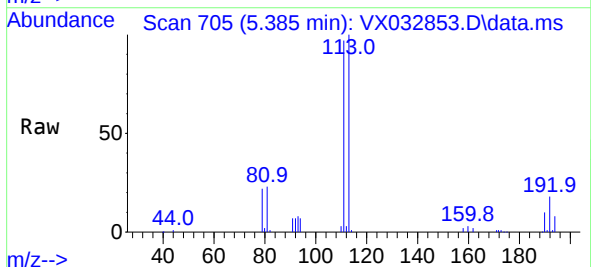
Instrument :
MSVOA_X
ClientSampleId :

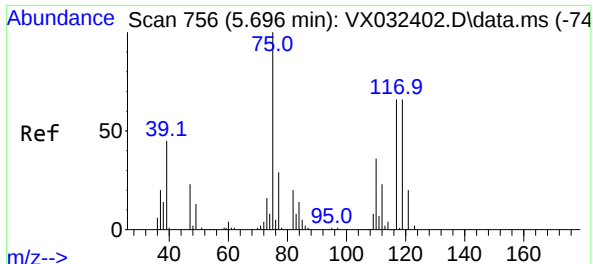
Tgt Ion:114 Resp: 165781
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.6
88 15.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 48.421 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion:113 Resp: 57259
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 19.3 15.4 23.2





#36

1,1-Dichloropropene

Concen: 4.720 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

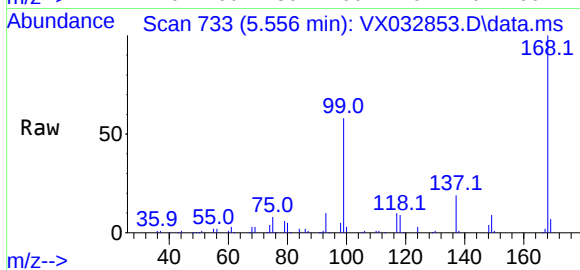
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Acq: 16 Nov 2022 08:06

Instrument :

MSVOA_X

ClientSampleId :



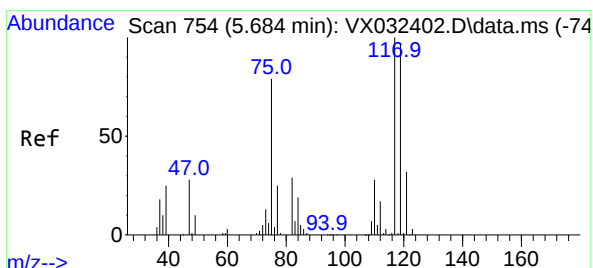
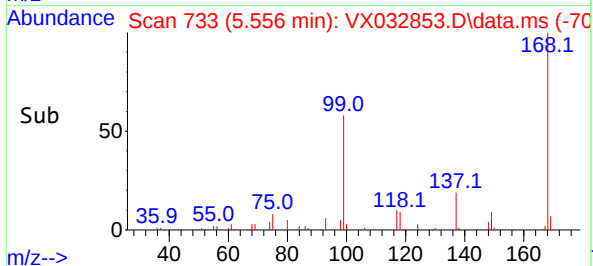
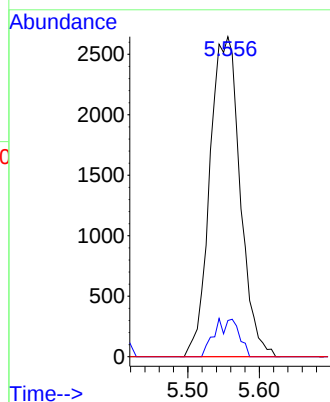
Tgt Ion: 75 Resp: 7773

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.602 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.134 min

Lab File: VX032853.D

Acq: 16 Nov 2022 08:06

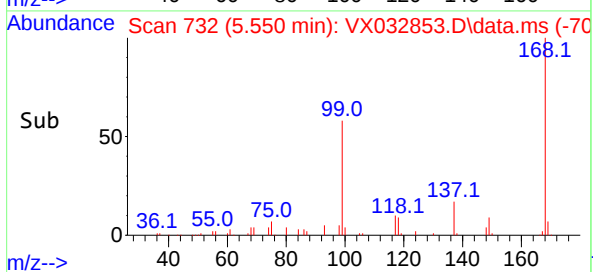
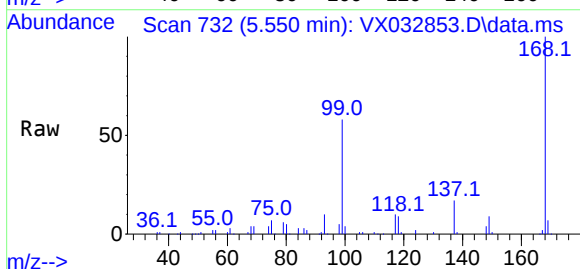
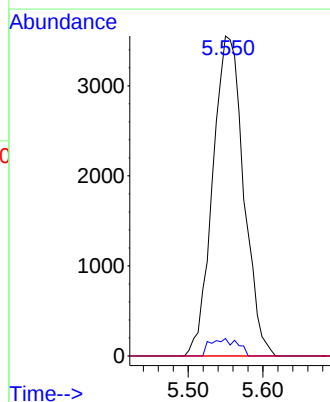
Tgt Ion: 117 Resp: 10232

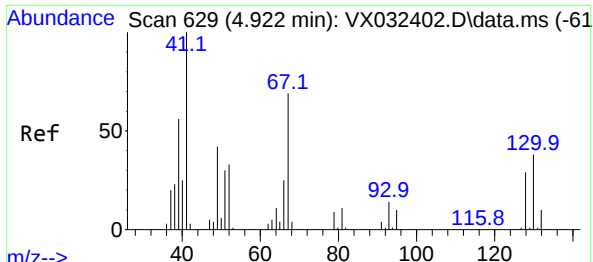
Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

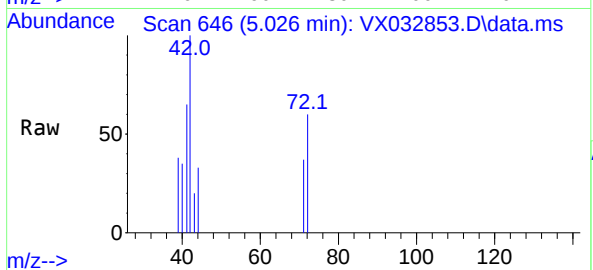
121 0.0 25.8 38.6#



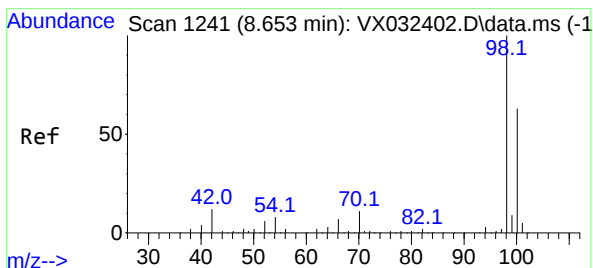
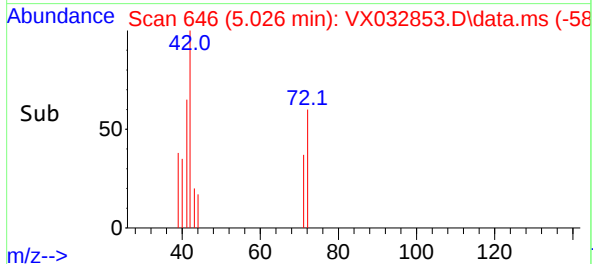
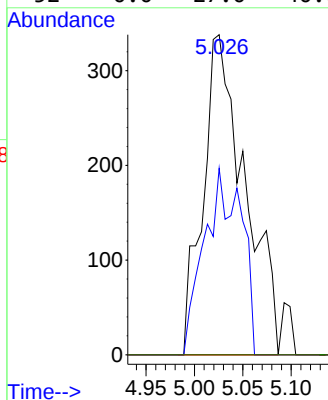


#41
Methacrylonitrile
Concen: 1.168 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.104 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Instrument :
MSVOA_X
ClientSampleId :

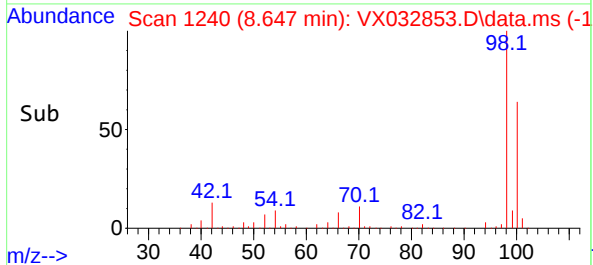
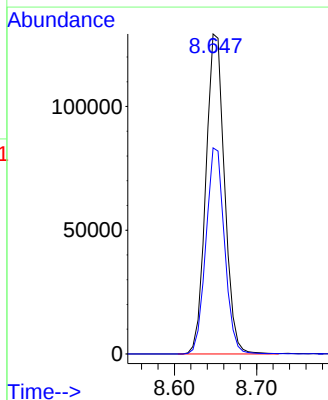
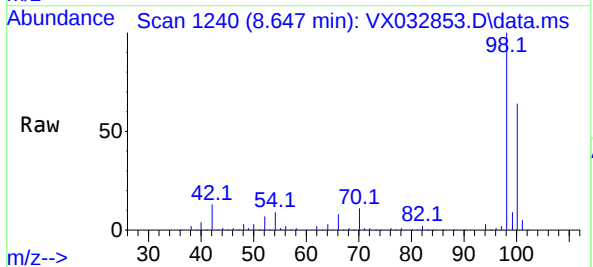


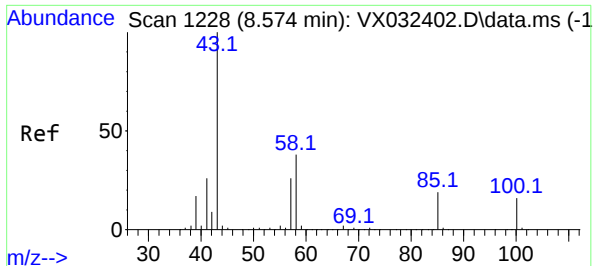
Tgt Ion: 41 Resp: 1020
Ion Ratio Lower Upper
41 100
39 35.7 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#



#50
Toluene-d8
Concen: 49.575 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion: 98 Resp: 203849
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.574 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX032853.D

Acq: 16 Nov 2022 08:06

Instrument :

MSVOA_X

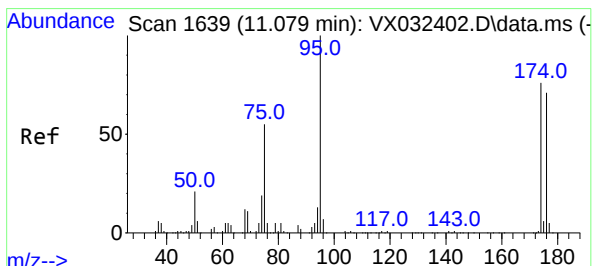
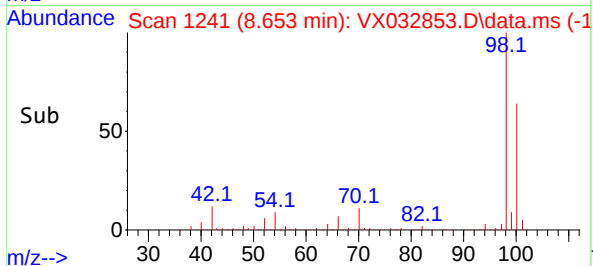
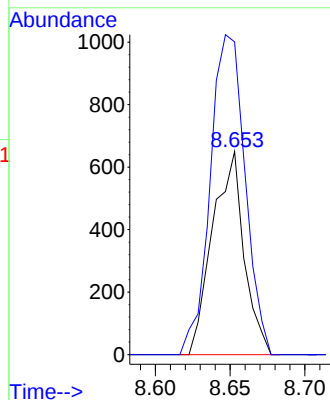
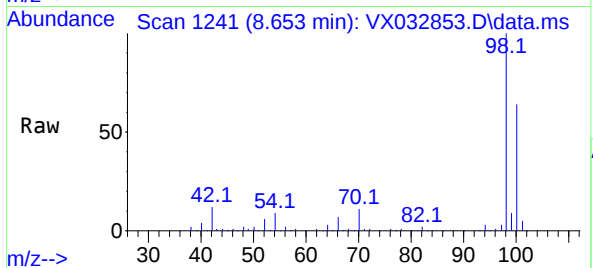
ClientSampleId :

Tgt Ion: 43 Resp: 951

Ion Ratio Lower Upper

43 100

58 174.7 30.9 46.3#



#62

4-Bromofluorobenzene

Concen: 48.462 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032853.D

Acq: 16 Nov 2022 08:06

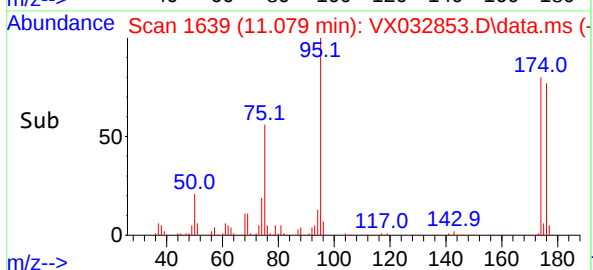
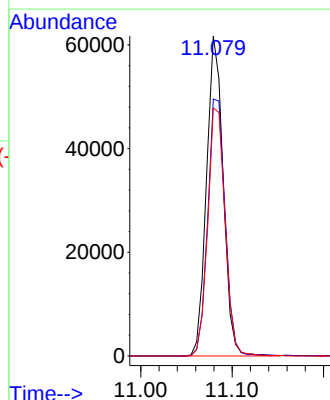
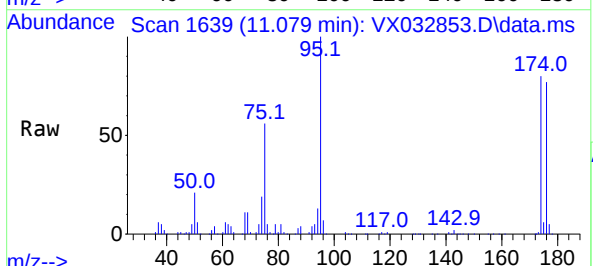
Tgt Ion: 95 Resp: 77841

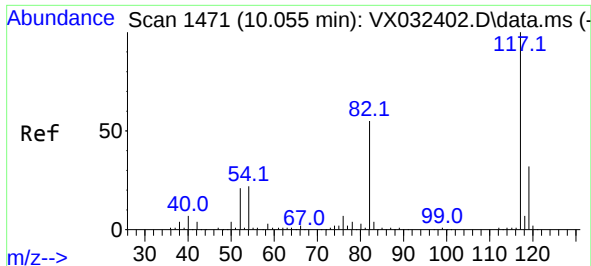
Ion Ratio Lower Upper

95 100

174 84.4 0.0 164.0

176 81.0 0.0 154.4

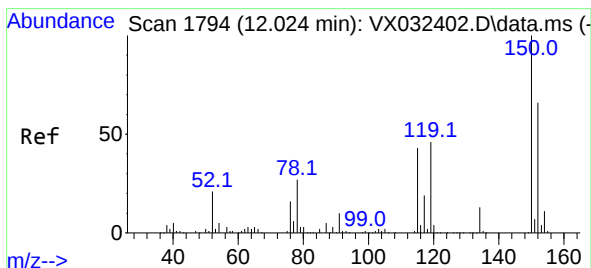
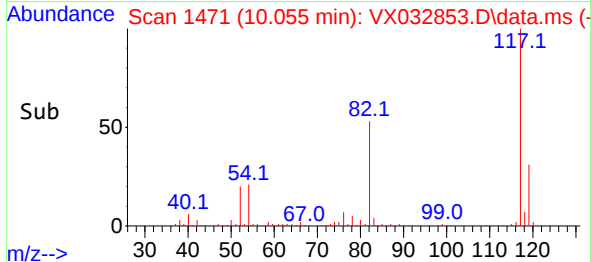
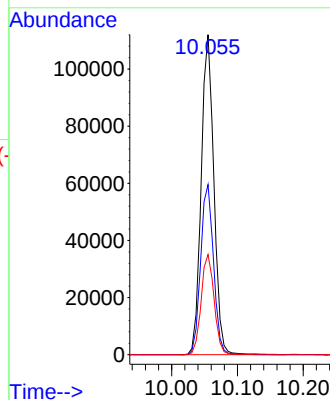
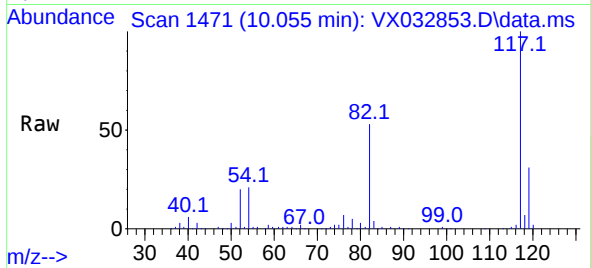




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

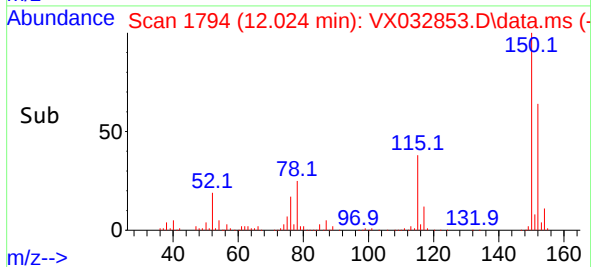
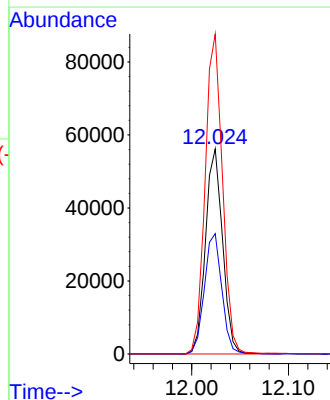
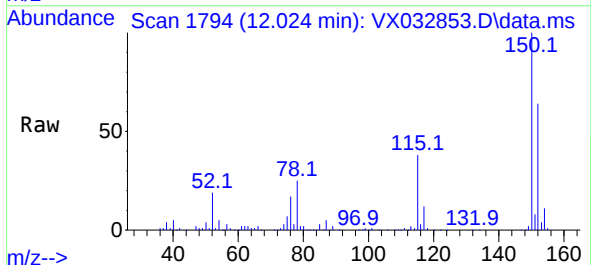
Instrument :
MSVOA_X
ClientSampleId :

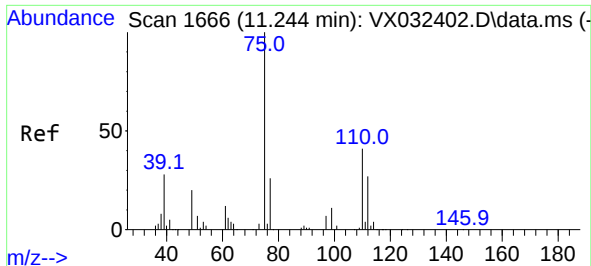
Tgt Ion:117 Resp: 150084
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 31.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion:152 Resp: 69522
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 156.9 0.0 351.8

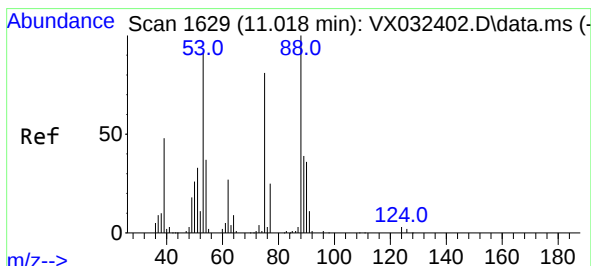
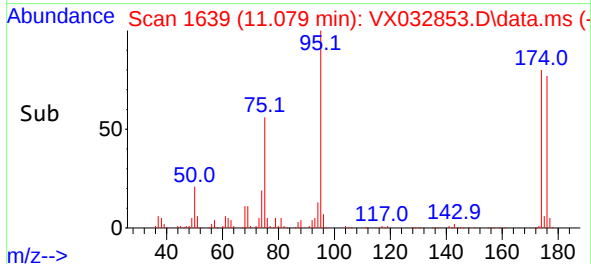
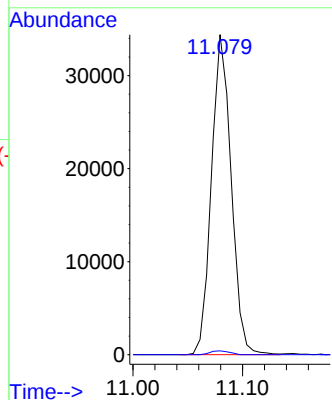
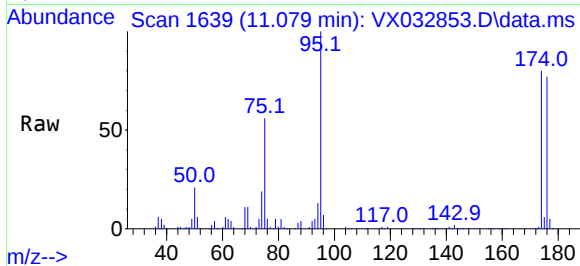




#76
1,2,3-Trichloropropane
Concen: 27.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 43048
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032853.D
Acq: 16 Nov 2022 08:06

Tgt Ion: 75 Resp: 43048
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

