

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031992.D
 Acq On : 08 Oct 2022 04:38
 Operator : JC/MD
 Sample : N4937-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-093022

Quant Time: Oct 08 06:37:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

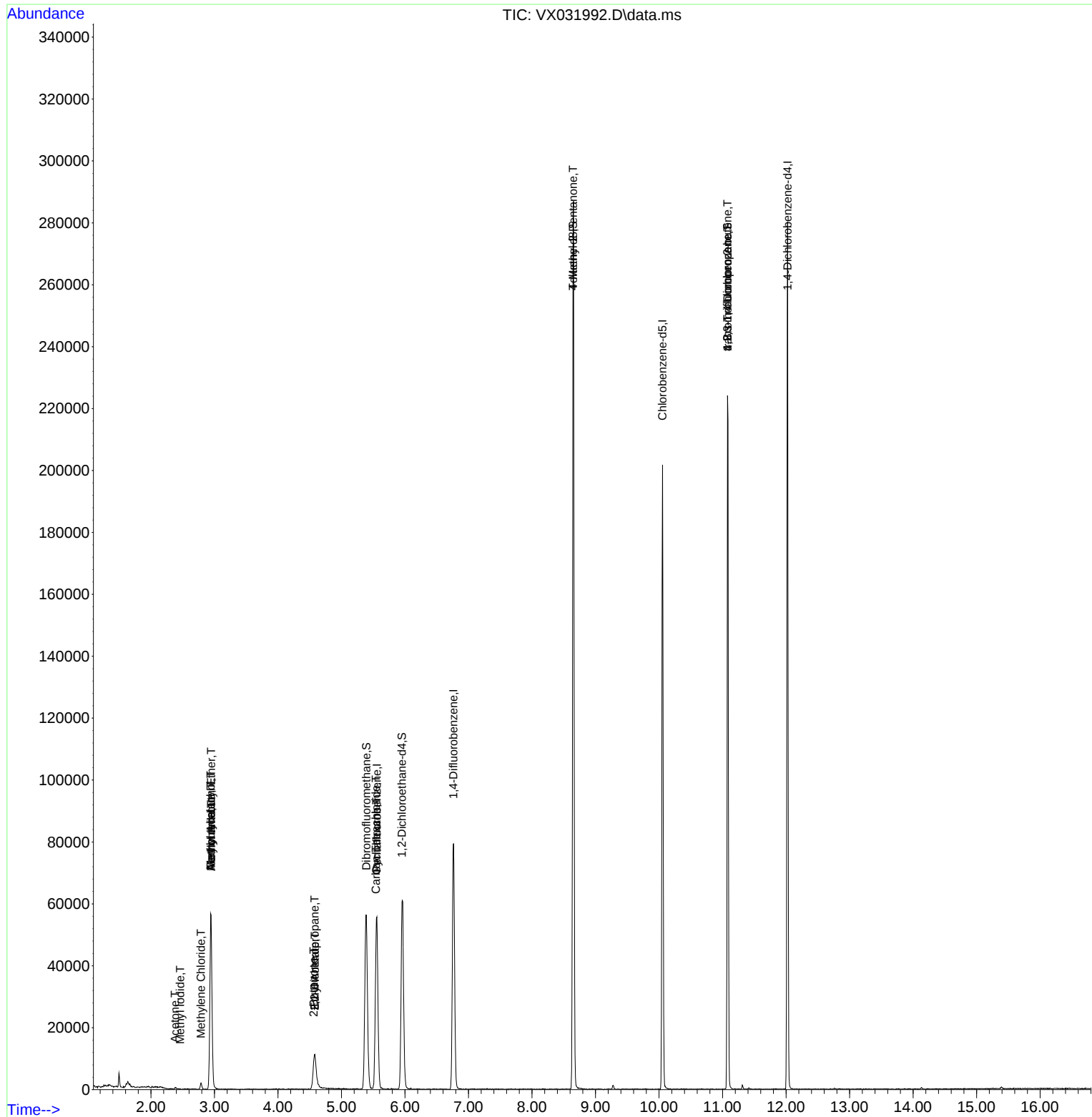
Internal Standards						
1) Pentafluorobenzene	5.556	168	52801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	83771	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	91113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	55246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58520	53.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.340%			
35) Dibromofluoromethane	5.391	113	48799	51.463	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	8.647	98	168162	49.284	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.560%			
62) 4-Bromofluorobenzene	11.079	95	57860	47.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	230	Below Cal	#	55
10) Methyl Iodide	2.459	142	52	2.810	ug/l #	38
11) Tert butyl alcohol	2.940	59	32653	240.678	ug/l #	77
15) Acrylonitrile	2.946	53	571	1.320	ug/l #	17
16) Acetone	2.379	43	588	1.587	ug/l #	73
18) Methyl Acetate	2.940	43	4625	3.782	ug/l #	65
19) Methyl tert-butyl Ether	2.946	73	1775	0.658	ug/l	96
20) Methylene Chloride	2.788	84	939	0.964	ug/l #	79
25) 2-Butanone	4.562	43	349	0.602	ug/l #	49
26) 2,2-Dichloropropane	4.574	77	1101	0.994	ug/l #	54
31) Cyclohexane	5.550	56	1236	0.949	ug/l #	38
37) Ethyl Acetate	4.580	43	508	0.429	ug/l #	1
38) Carbon Tetrachloride	5.544	117	5375	4.181	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	691	0.581	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	30303	26.763	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30303	91.737	ug/l #	11

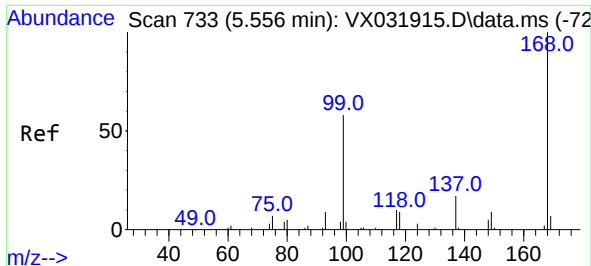
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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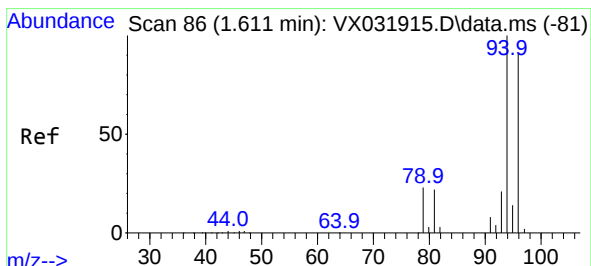
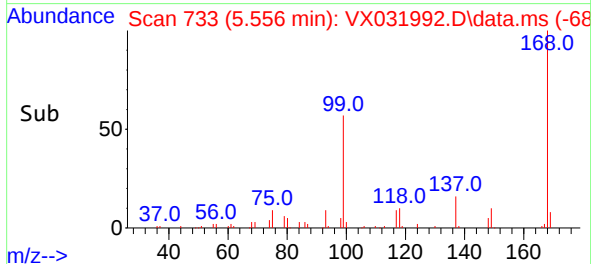
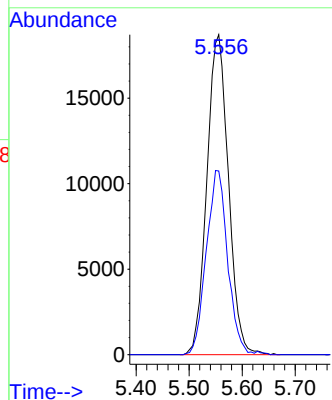
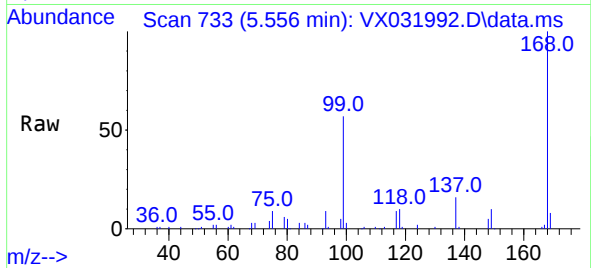




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

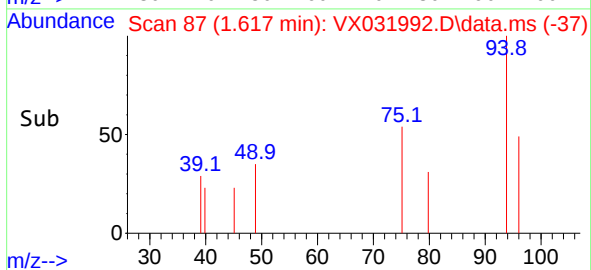
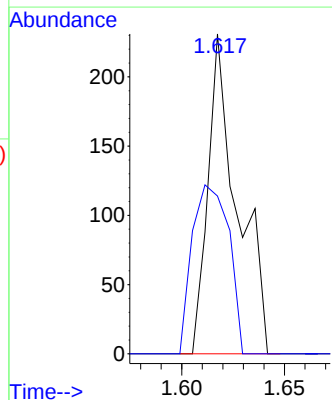
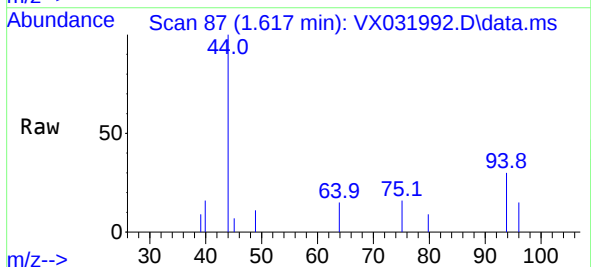
Instrument :
MSVOA_X
ClientSampleId :
FB-093022

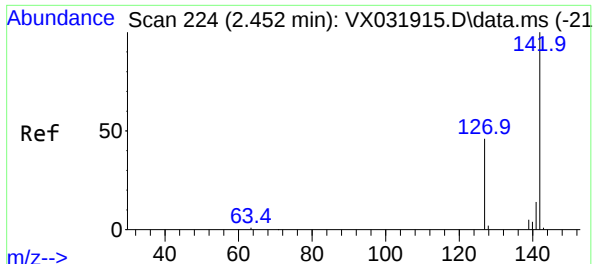
Tgt Ion:168 Resp: 52801
Ion Ratio Lower Upper
168 100
99 57.4 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 94 Resp: 230
Ion Ratio Lower Upper
94 100
96 49.4 74.4 111.6#

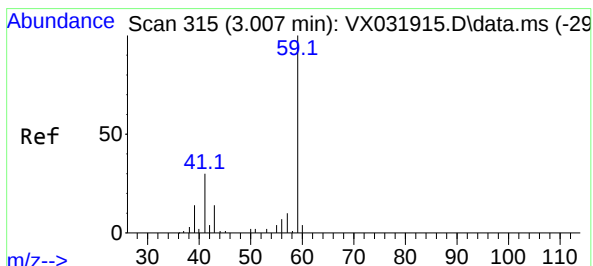
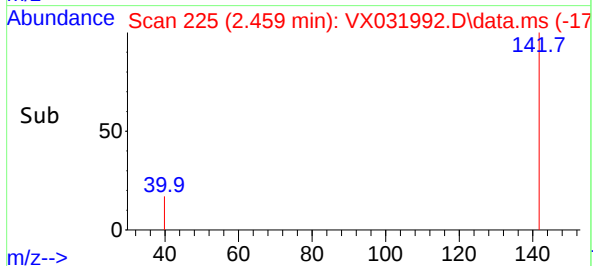
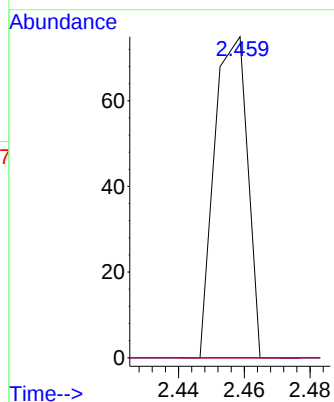
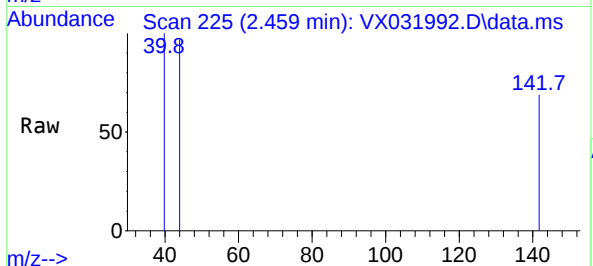




#10
Methyl Iodide
Concen: 2.810 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

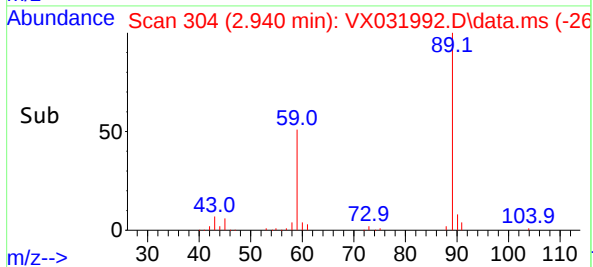
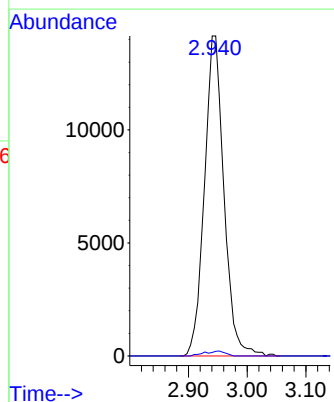
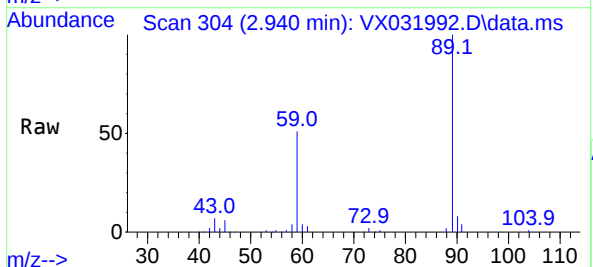
Instrument :
MSVOA_X
ClientSampleId :
FB-093022

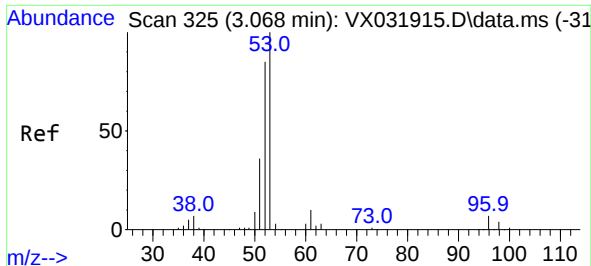
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 240.678 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.067 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 59 Resp: 32653
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#

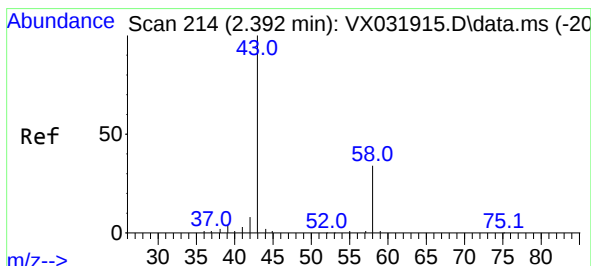
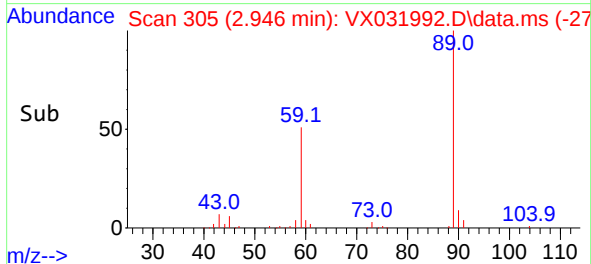
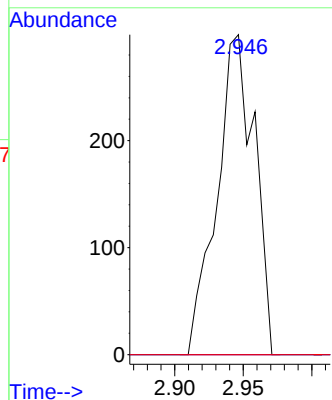
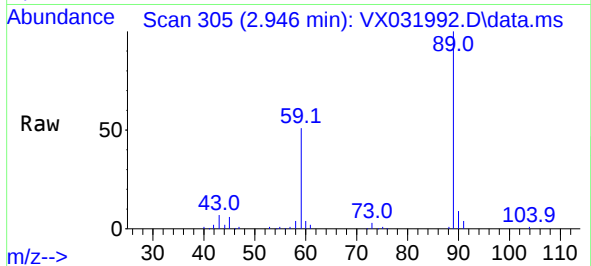




#15
Acrylonitrile
Concen: 1.320 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.122 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

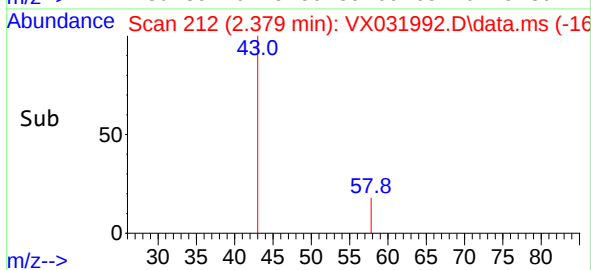
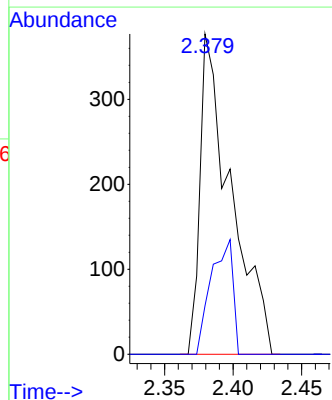
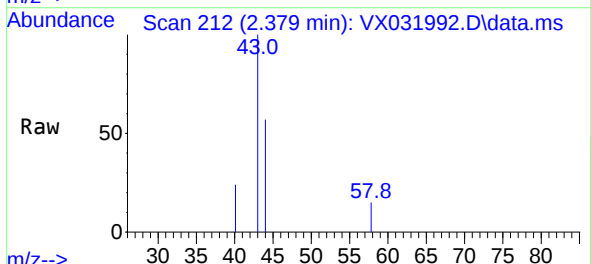
Instrument :
MSVOA_X
ClientSampleId :
FB-093022

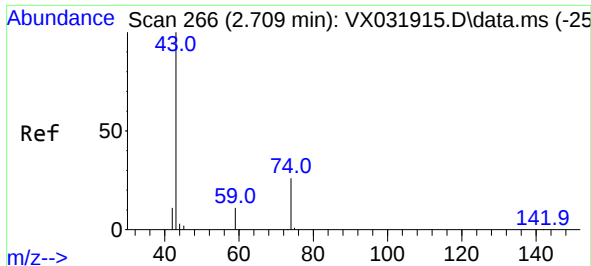
Tgt Ion: 53 Resp: 571
Ion Ratio Lower Upper
53 100
52 0.0 66.9 100.3#
51 0.0 30.0 45.0#



#16
Acetone
Concen: 1.587 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.013 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
58 15.1 23.8 35.8#

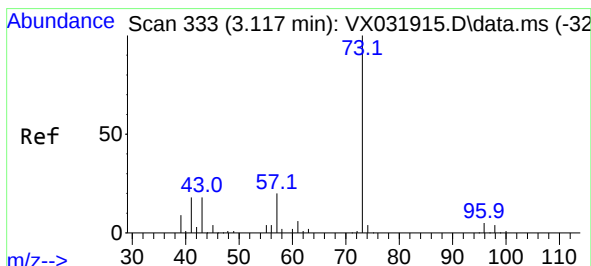
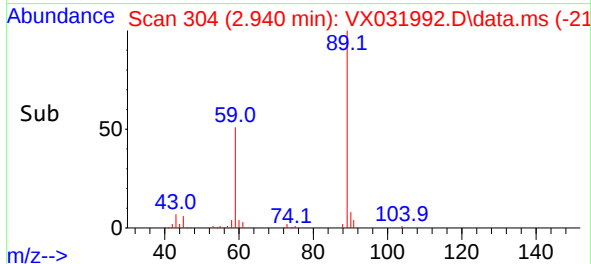
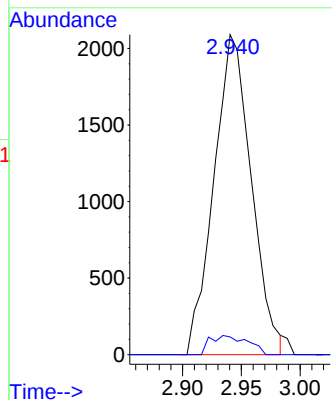
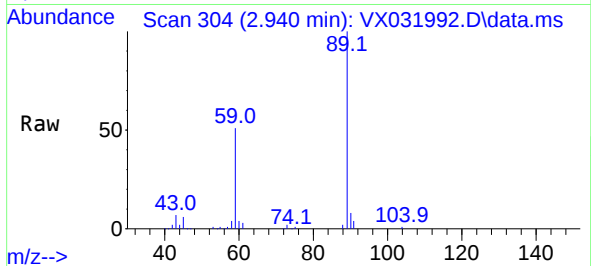




#18
Methyl Acetate
Concen: 3.782 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.231 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

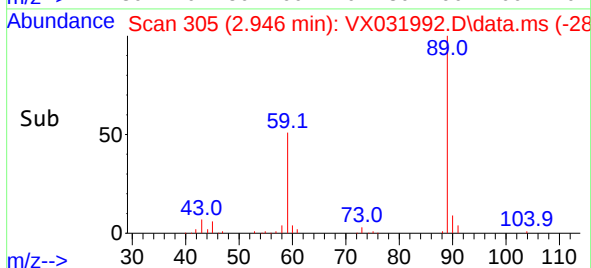
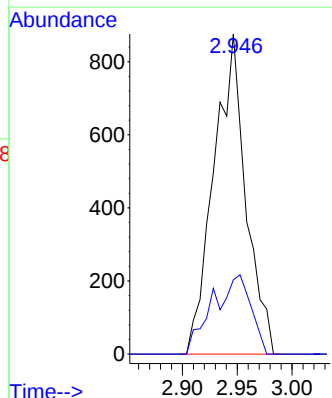
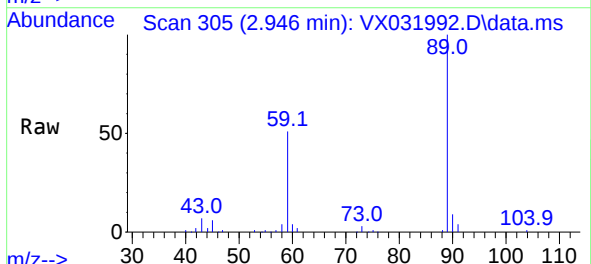
Instrument :
MSVOA_X
ClientSampleId :
FB-093022

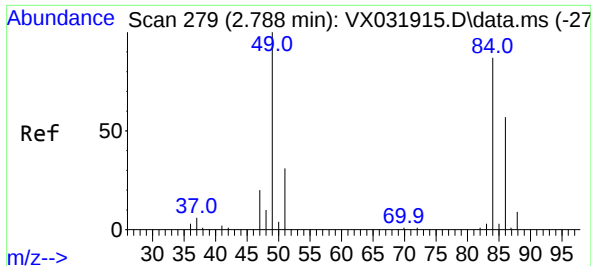
Tgt Ion: 43 Resp: 4625
Ion Ratio Lower Upper
43 100
74 6.1 18.6 27.8#



#19
Methyl tert-butyl Ether
Concen: 0.658 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.171 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 73 Resp: 1775
Ion Ratio Lower Upper
73 100
57 23.2 17.2 25.8

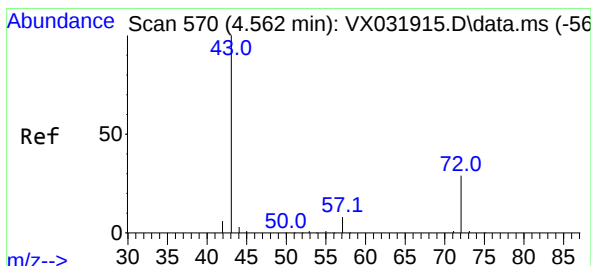
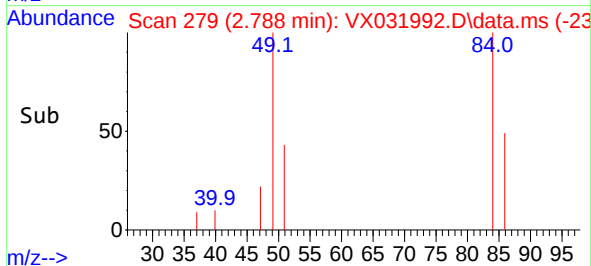
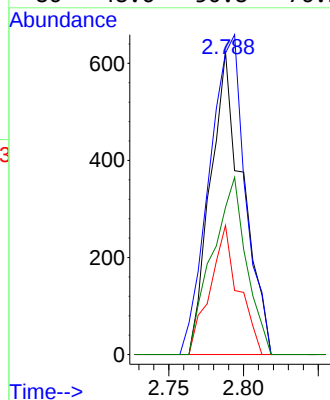
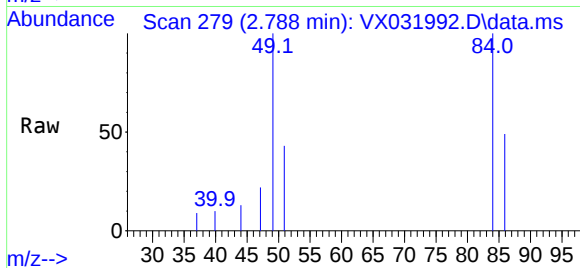




#20
Methylene Chloride
Concen: 0.964 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

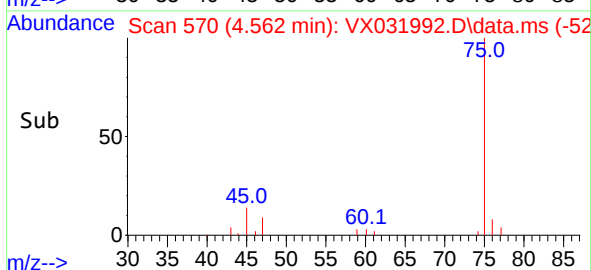
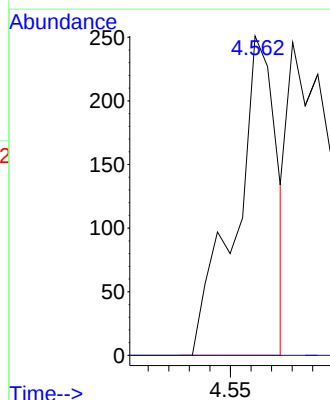
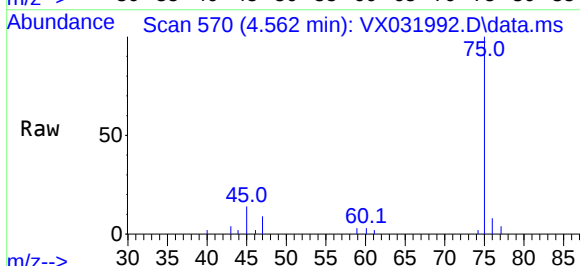
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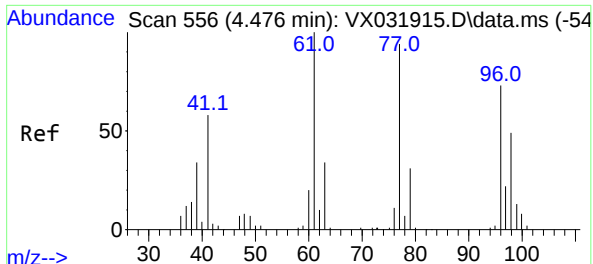
Tgt Ion:	84	Resp:	939
Ion	Ratio	Lower	Upper
84	100		
49	99.5	105.9	158.9#
51	42.6	32.2	48.2
86	48.6	50.8	76.2#



#25
2-Butanone
Concen: 0.602 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion:	43	Resp:	349
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.1	31.7#

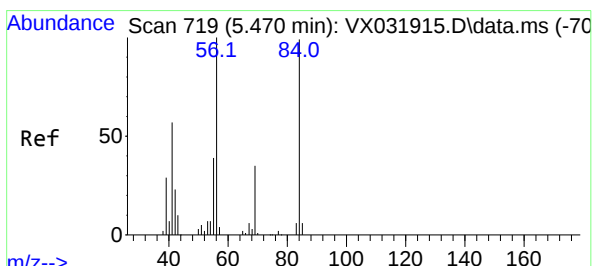
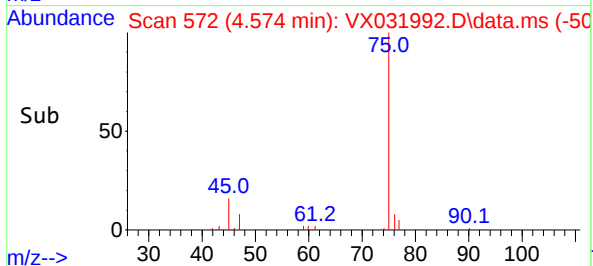
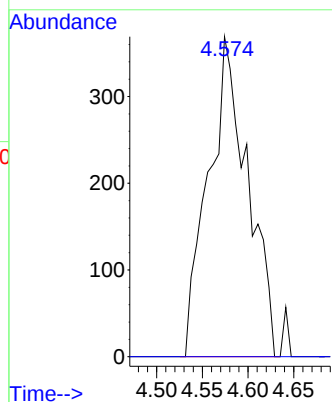
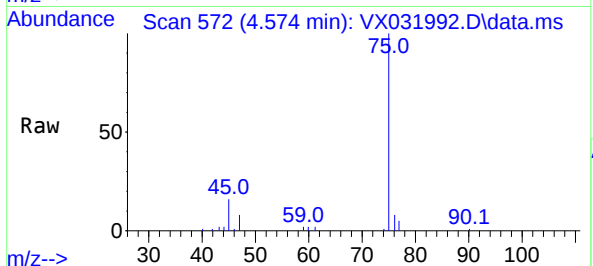




#26
2,2-Dichloropropane
Concen: 0.994 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.098 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

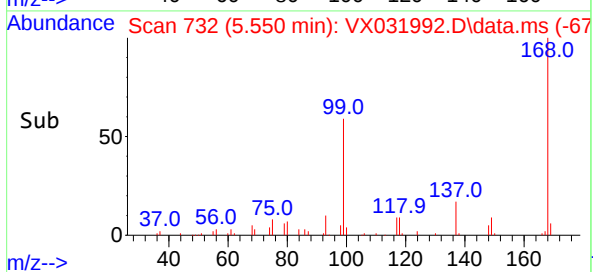
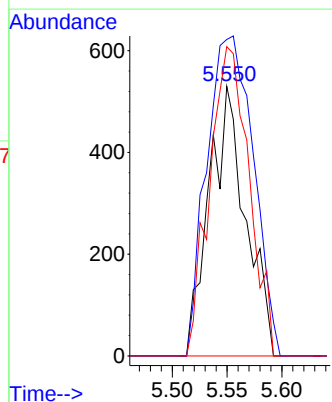
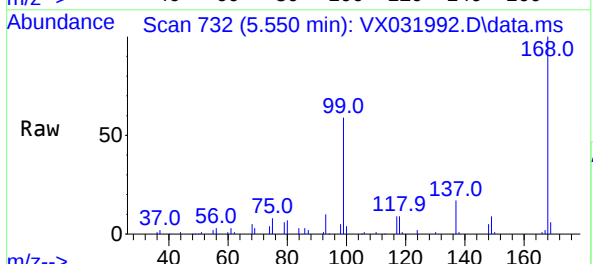
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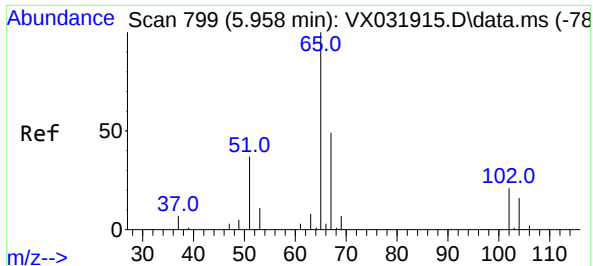
Tgt Ion: 77 Resp: 1101
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.6#



#31
Cyclohexane
Concen: 0.949 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 56 Resp: 1236
Ion Ratio Lower Upper
56 100
69 117.4 25.1 37.7#
84 114.7 70.2 105.4#

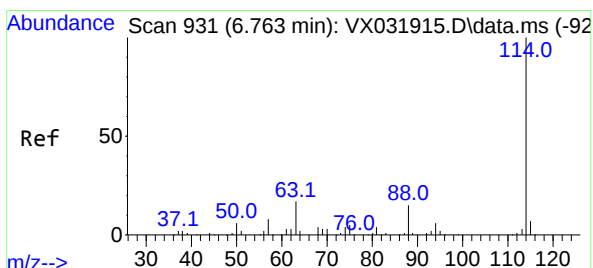
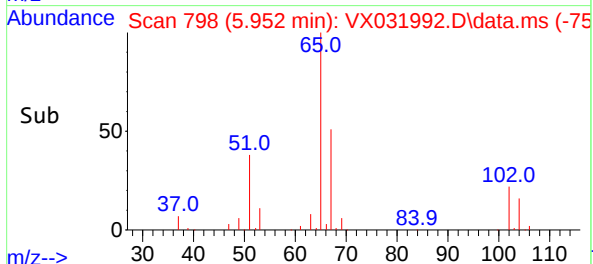
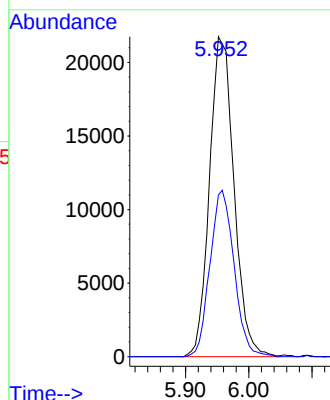
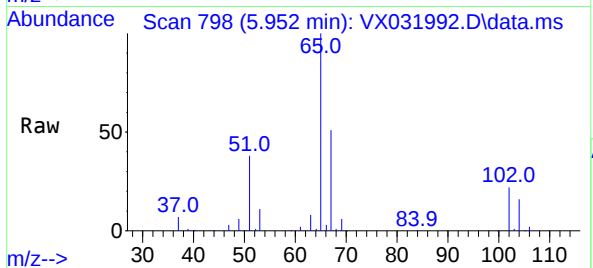




#33
1,2-Dichloroethane-d4
Concen: 53.666 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

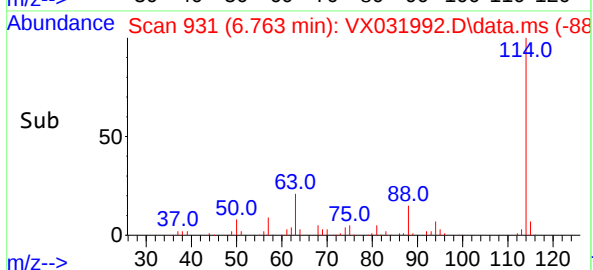
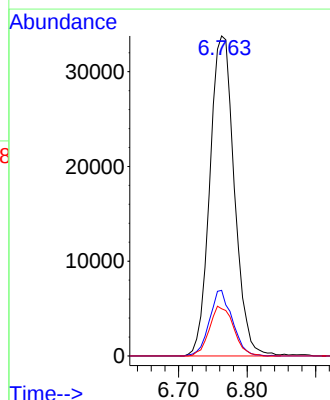
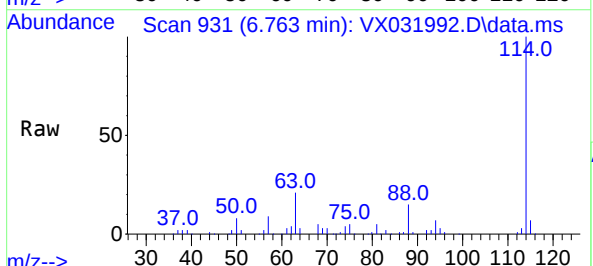
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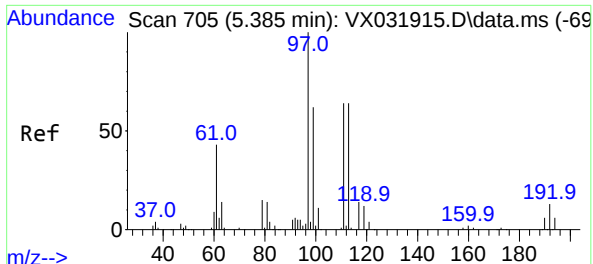
Tgt Ion: 65 Resp: 58520
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 114 Resp: 83771
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.6
88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 51.463 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031992.D

Acq: 08 Oct 2022 04:38

Instrument :

MSVOA_X

ClientSampleId :

FB-093022

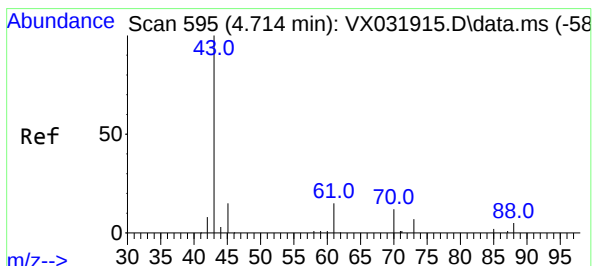
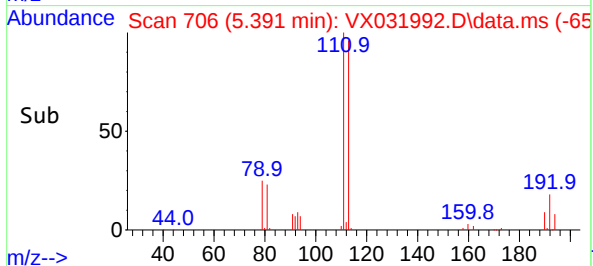
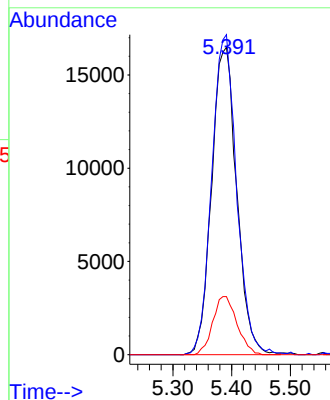
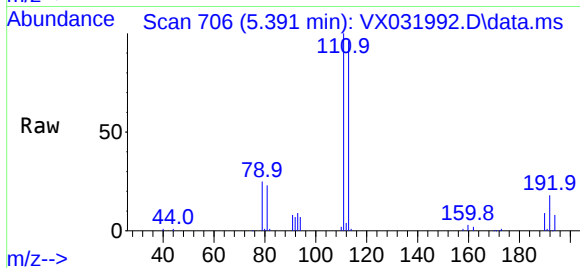
Tgt Ion:113 Resp: 48799

Ion Ratio Lower Upper

113 100

111 103.4 82.4 123.6

192 18.3 14.1 21.1



#37

Ethyl Acetate

Concen: 0.429 ug/l

RT: 4.580 min Scan# 573

Delta R.T. -0.134 min

Lab File: VX031992.D

Acq: 08 Oct 2022 04:38

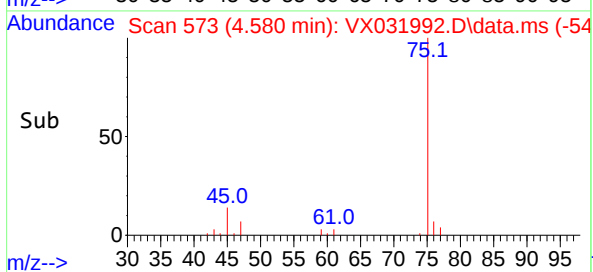
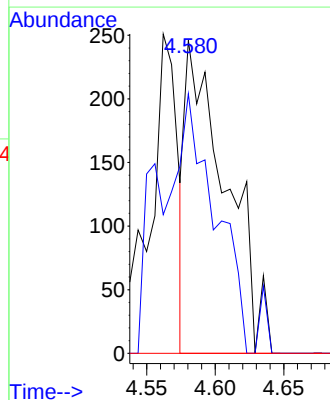
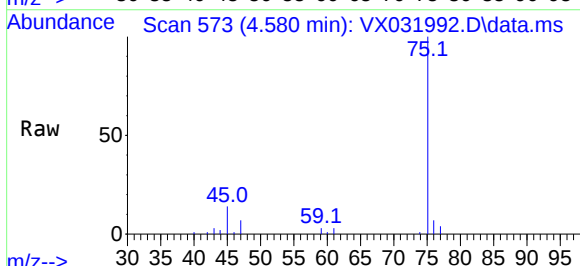
Tgt Ion: 43 Resp: 508

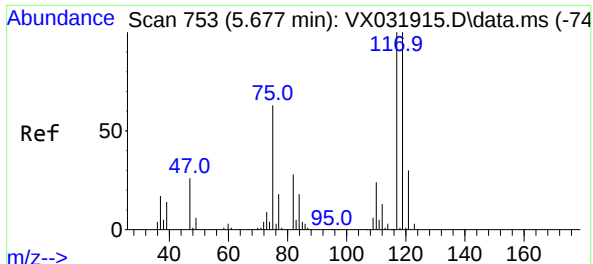
Ion Ratio Lower Upper

43 100

61 82.5 11.1 16.7#

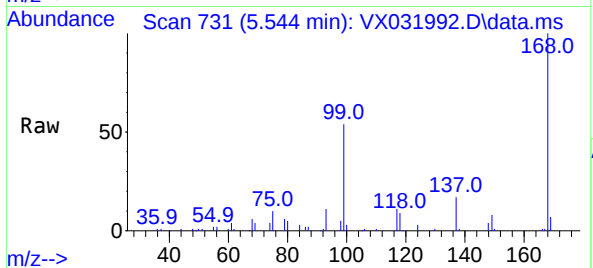
70 0.0 8.6 13.0#



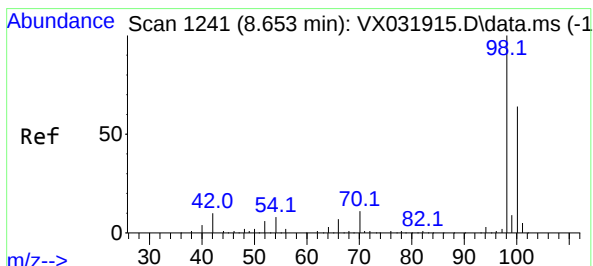
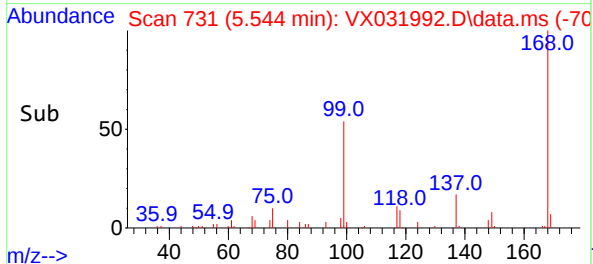
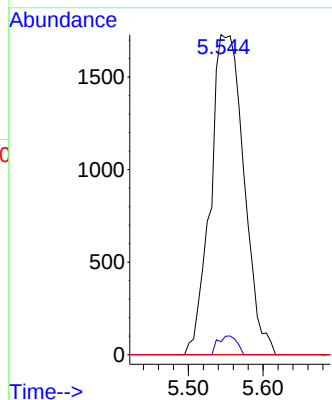


#38
Carbon Tetrachloride
Concen: 4.181 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.133 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Instrument :
MSVOA_X
ClientSampleId :
FB-093022

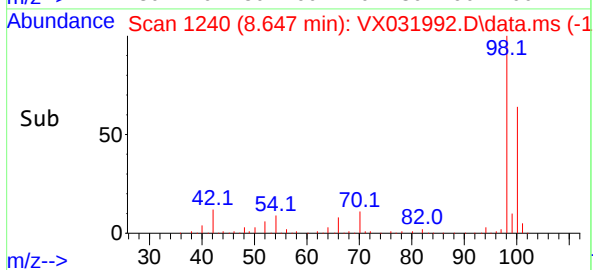
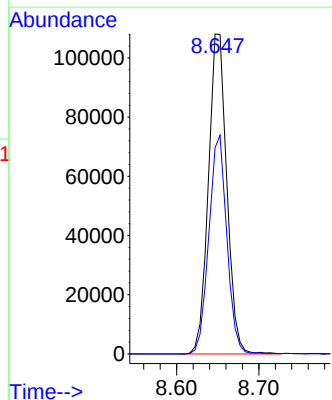
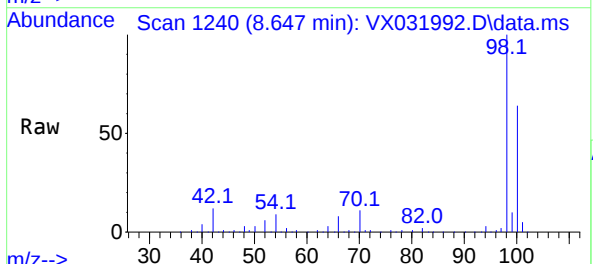


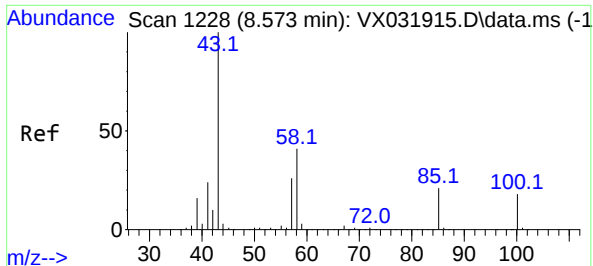
Tgt Ion:117 Resp: 5375
Ion Ratio Lower Upper
117 100
119 4.0 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.284 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 98 Resp: 168162
Ion Ratio Lower Upper
98 100
100 66.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX031992.D

Acq: 08 Oct 2022 04:38

Instrument :

MSVOA_X

ClientSampleId :

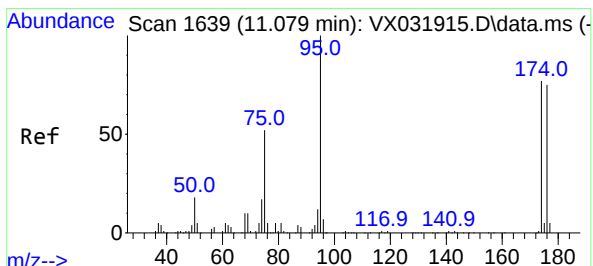
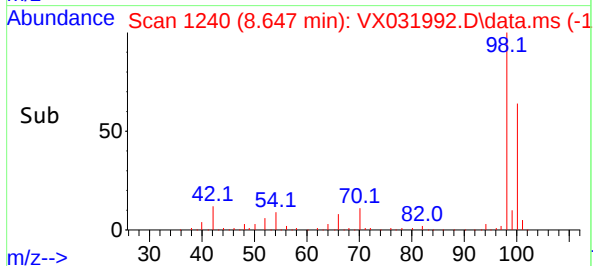
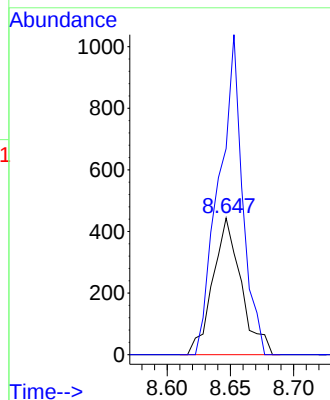
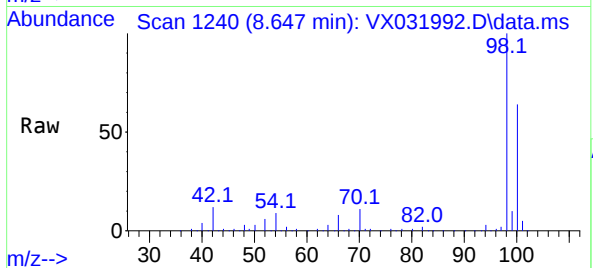
FB-093022

Tgt Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 195.5 30.6 46.0#



#62

4-Bromofluorobenzene

Concen: 47.966 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031992.D

Acq: 08 Oct 2022 04:38

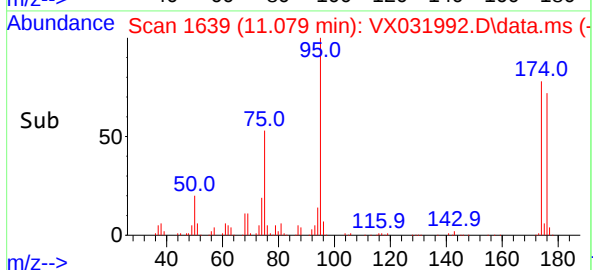
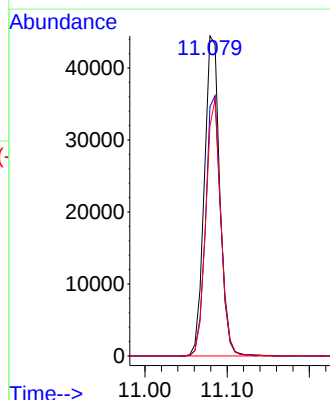
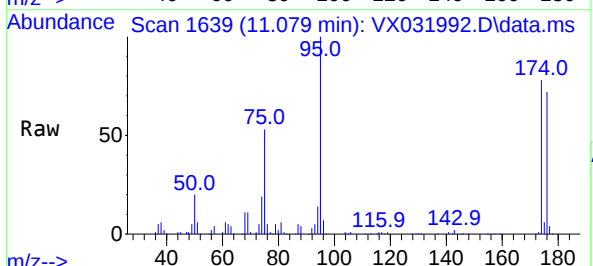
Tgt Ion: 95 Resp: 57860

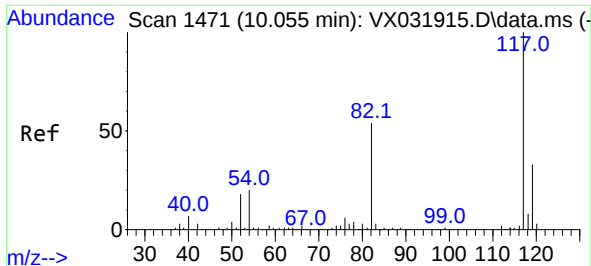
Ion Ratio Lower Upper

95 100

174 80.0 0.0 153.2

176 77.7 0.0 144.0

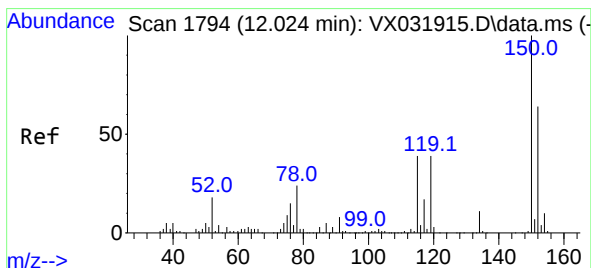
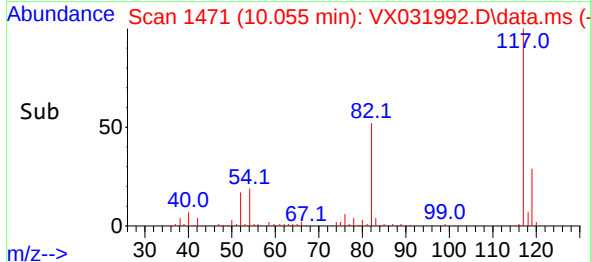
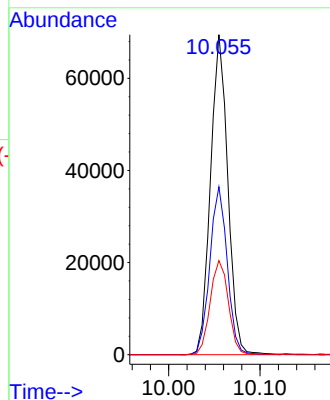
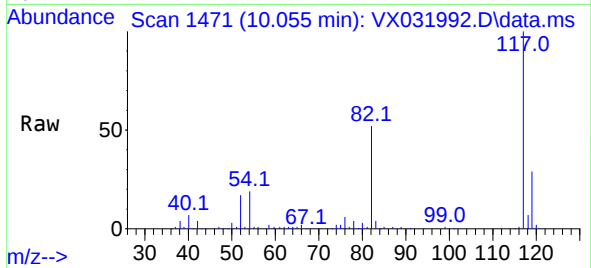




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

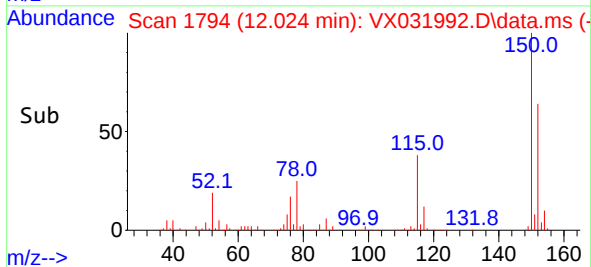
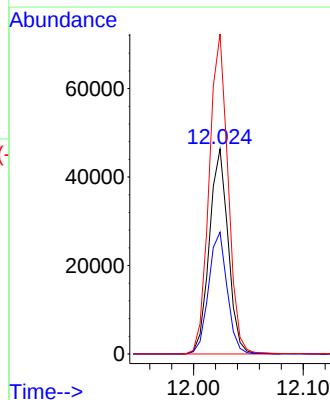
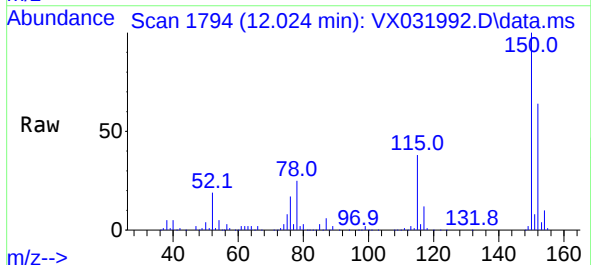
Instrument :
MSVOA_X
ClientSampleId :
FB-093022

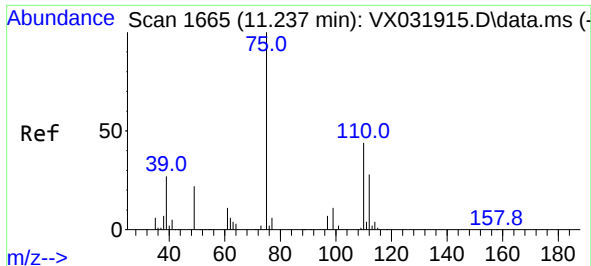
Tgt Ion:117 Resp: 91113
Ion Ratio Lower Upper
117 100
82 52.5 46.8 70.2
119 29.4 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion:152 Resp: 55246
Ion Ratio Lower Upper
152 100
115 58.9 43.4 130.1
150 156.8 0.0 346.8

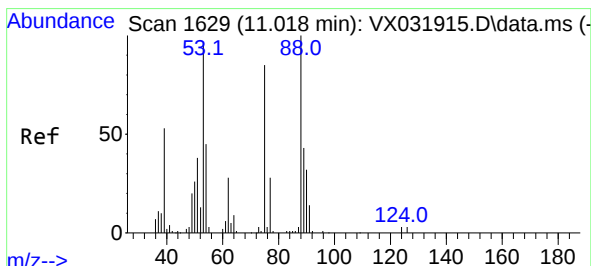
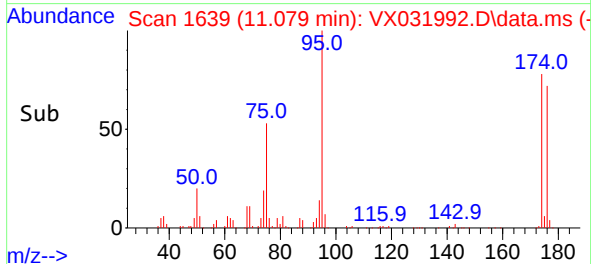
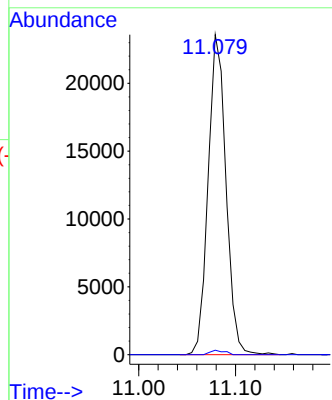
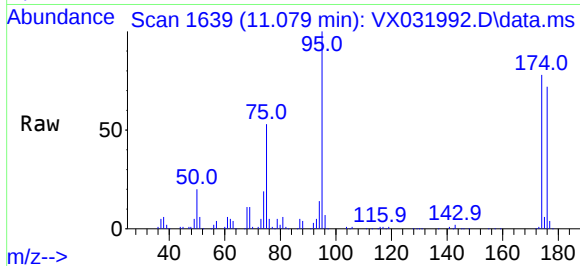




#76
1,2,3-Trichloropropane
Concen: 26.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Instrument :
MSVOA_X
ClientSampleId :
FB-093022

Tgt Ion: 75 Resp: 30303
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031992.D
Acq: 08 Oct 2022 04:38

Tgt Ion: 75 Resp: 30303
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

