

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100722\
 Data File : VX031991.D
 Acq On : 08 Oct 2022 04:15
 Operator : JC/MD
 Sample : N4937-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-092922

Quant Time: Oct 08 06:37:02 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)

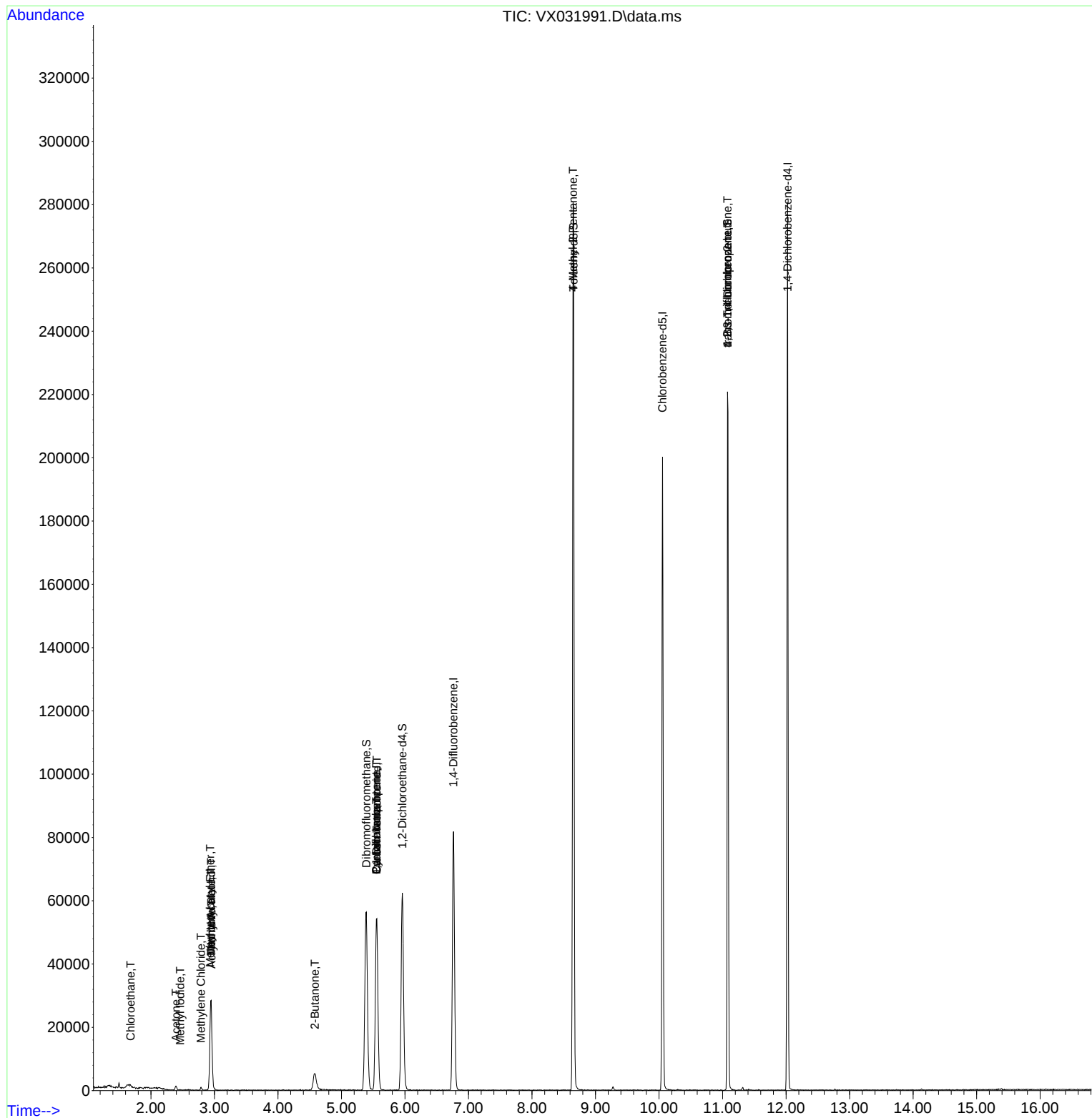
Internal Standards						
1) Pentafluorobenzene	5.550	168	52780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	85141	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	89890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59084	54.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.400%			
35) Dibromofluoromethane	5.391	113	48872	50.710	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.653	98	170125	49.057	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.120%			
62) 4-Bromofluorobenzene	11.079	95	57832	47.171	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	225	Below Cal	#	37
6) Chloroethane	1.678	64	217	0.265	ug/l #	43
10) Methyl Iodide	2.459	142	55	2.813	ug/l #	38
11) Tert butyl alcohol	2.946	59	16618	122.537	ug/l #	75
15) Acrylonitrile	2.952	53	316	0.731	ug/l #	17
16) Acetone	2.392	43	1573	4.246	ug/l #	83
18) Methyl Acetate	2.946	43	2453	2.007	ug/l #	59
19) Methyl tert-butyl Ether	2.934	73	887	0.329	ug/l #	82
20) Methylene Chloride	2.788	84	337	0.346	ug/l #	71
25) 2-Butanone	4.580	43	424	0.732	ug/l #	49
31) Cyclohexane	5.550	56	1232	0.946	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	4201	3.287	ug/l #	50
38) Carbon Tetrachloride	5.556	117	5534	4.235	ug/l #	17
51) 4-Methyl-2-Pentanone	8.647	43	767	0.634	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	29927	26.832	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	29927	91.963	ug/l #	11

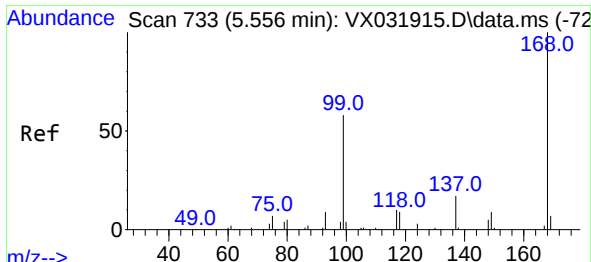
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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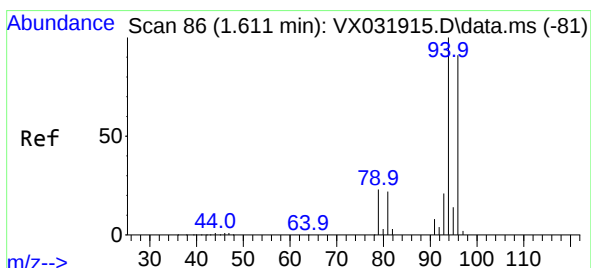
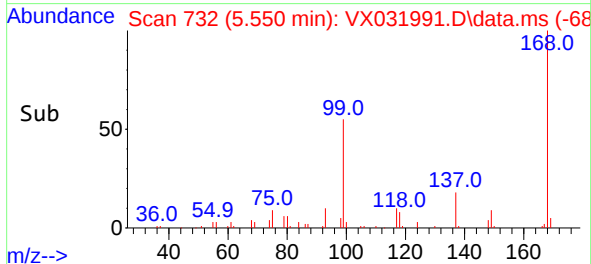
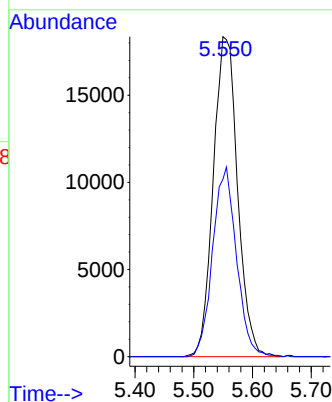
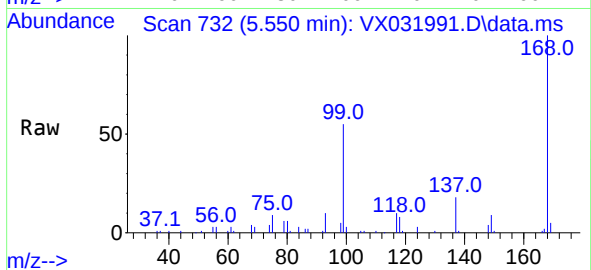




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

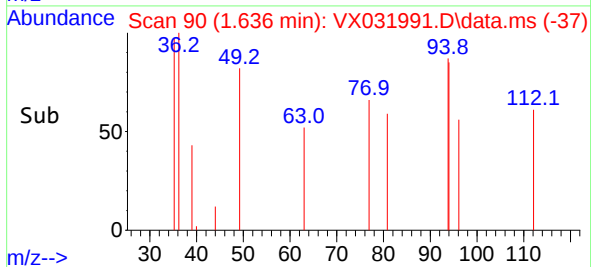
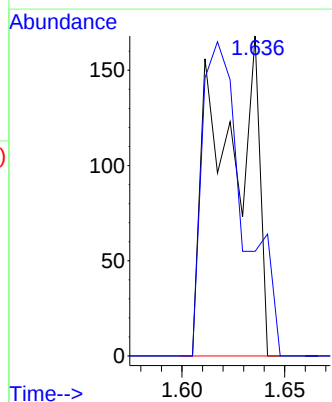
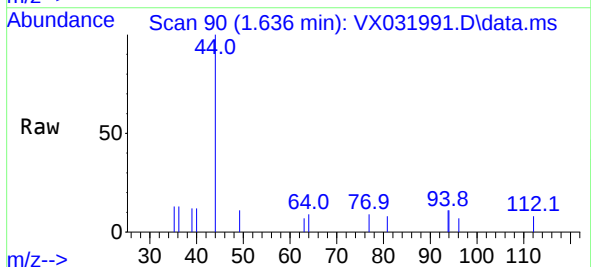
Instrument :
MSVOA_X
ClientSampleId :
FB-092922

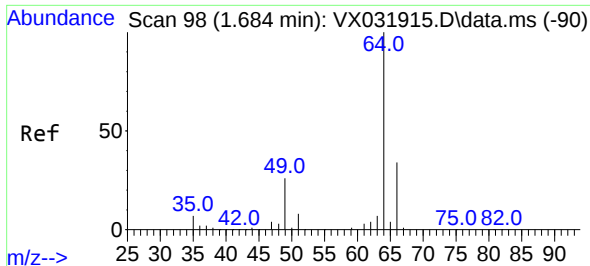
Tgt Ion:168 Resp: 52780
Ion Ratio Lower Upper
168 100
99 55.4 48.8 73.2



#5
Bromomethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. 0.025 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 94 Resp: 225
Ion Ratio Lower Upper
94 100
96 32.7 74.4 111.6#

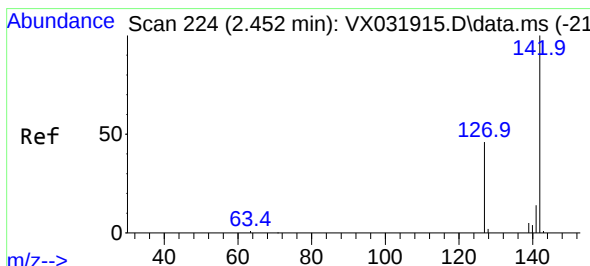
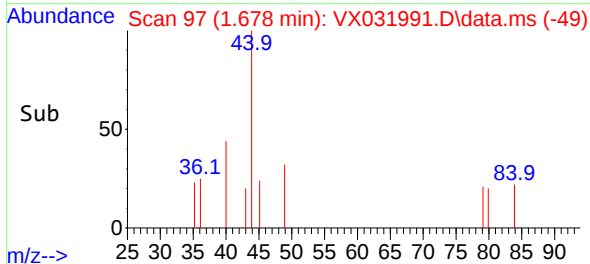
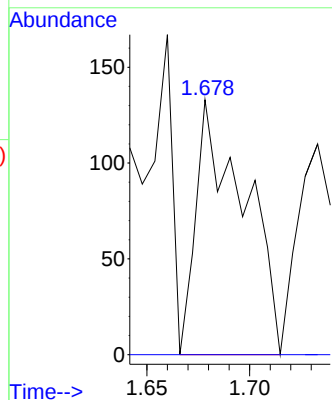
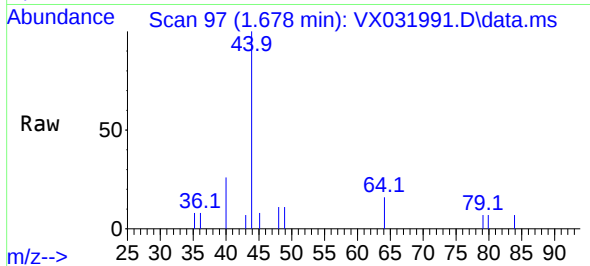




#6
Chloroethane
Concen: 0.265 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

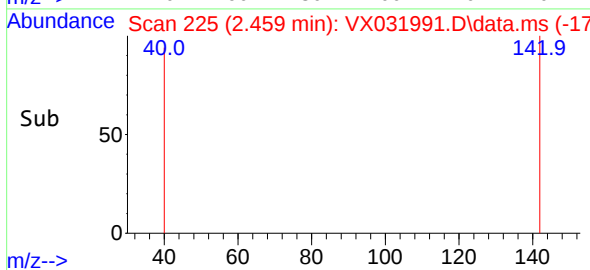
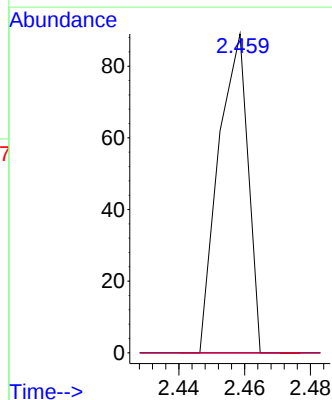
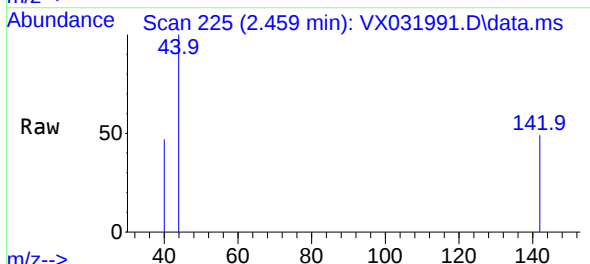
Instrument :
MSVOA_X
ClientSampleId :
FB-092922

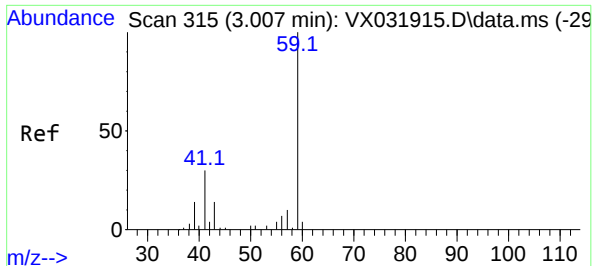
Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 2.813 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 142 Resp: 55
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: 122.537 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX031991.D

Acq: 08 Oct 2022 04:15

Instrument :

MSVOA_X

ClientSampleId :

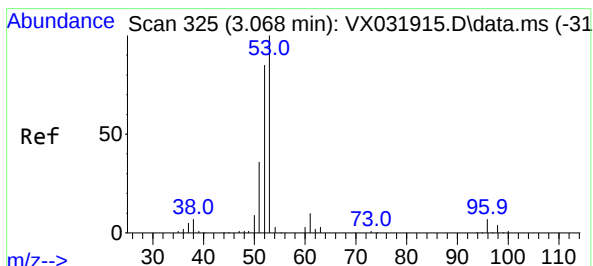
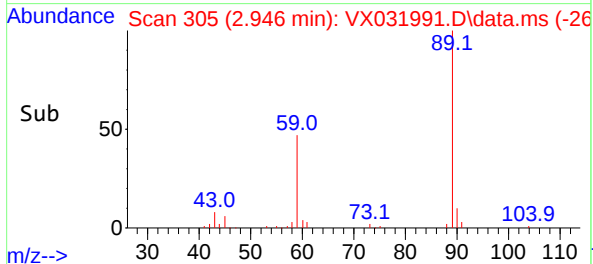
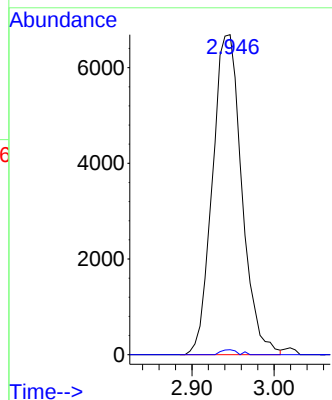
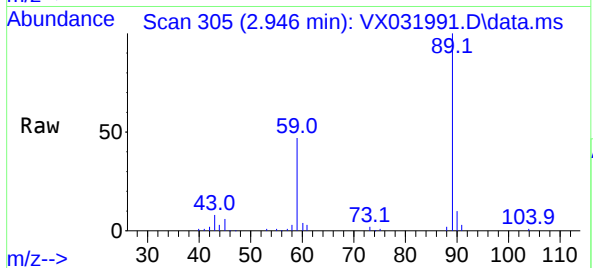
FB-092922

Tgt Ion: 59 Resp: 16618

Ion Ratio Lower Upper

59 100

57 0.9 8.2 12.2#



#15

Acrylonitrile

Concen: 0.731 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.116 min

Lab File: VX031991.D

Acq: 08 Oct 2022 04:15

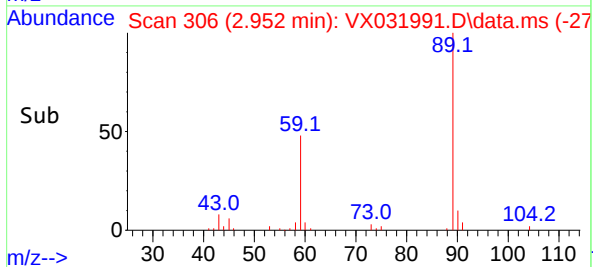
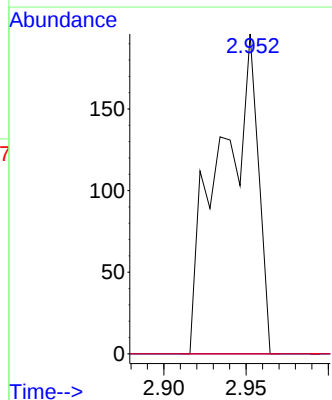
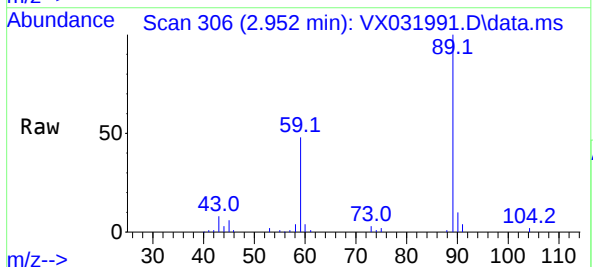
Tgt Ion: 53 Resp: 316

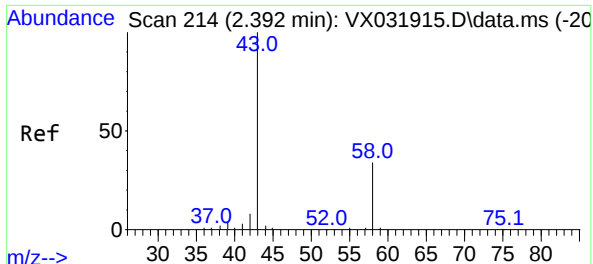
Ion Ratio Lower Upper

53 100

52 0.0 66.9 100.3#

51 0.0 30.0 45.0#

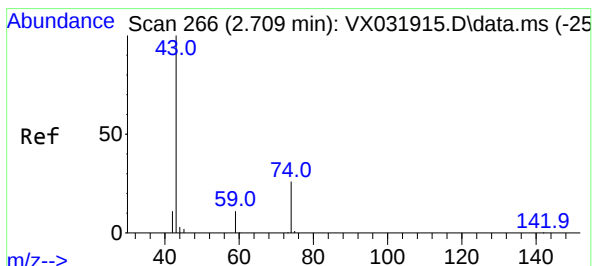
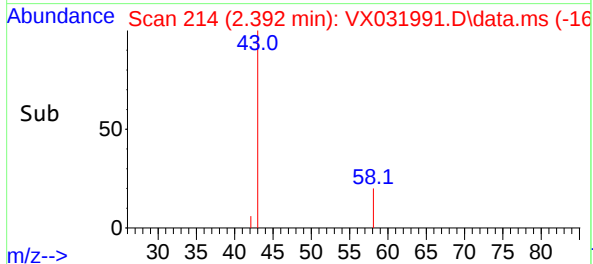
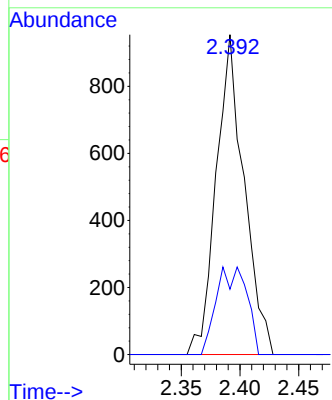
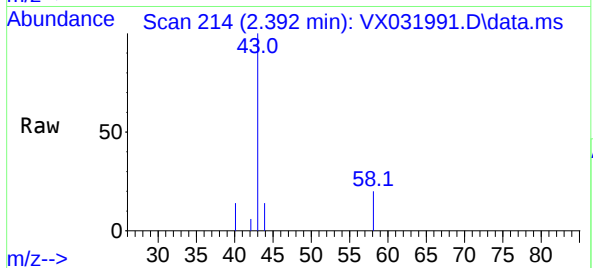




#16
Acetone
Concen: 4.246 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

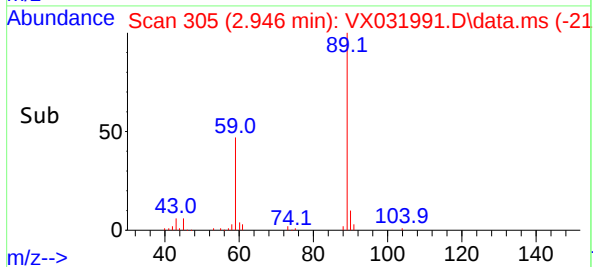
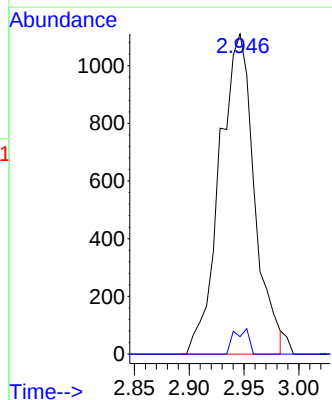
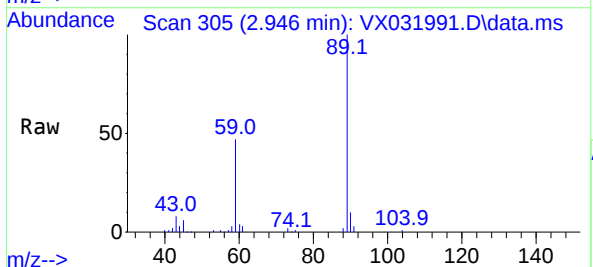
Instrument : MSVOA_X
ClientSampleId : FB-092922

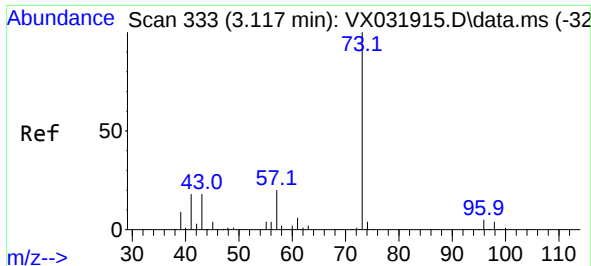
Tgt Ion: 43 Resp: 1573
Ion Ratio Lower Upper
43 100
58 20.4 23.8 35.8#



#18
Methyl Acetate
Concen: 2.007 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.237 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
74 3.4 18.6 27.8#

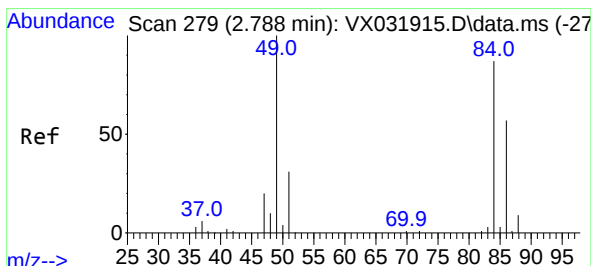
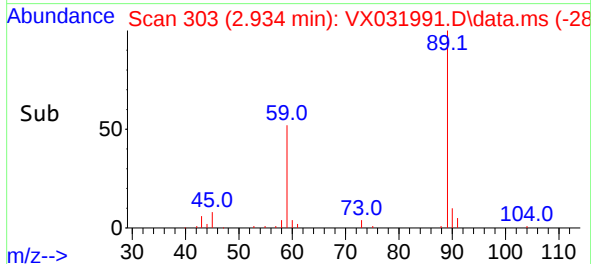
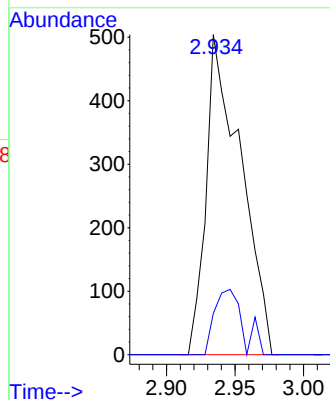
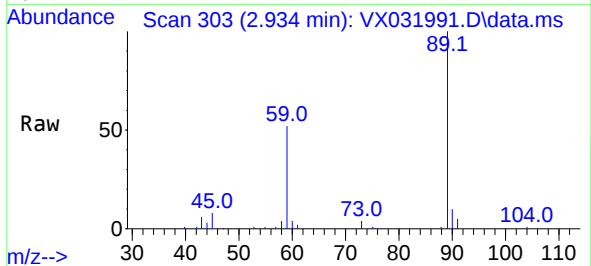




#19
Methyl tert-butyl Ether
Concen: 0.329 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.183 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

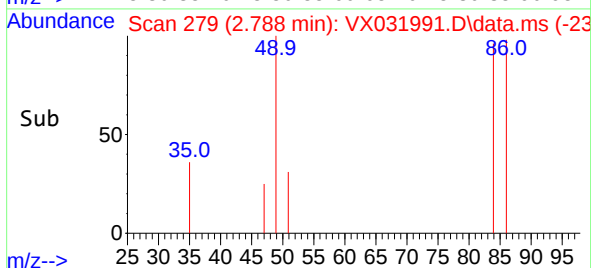
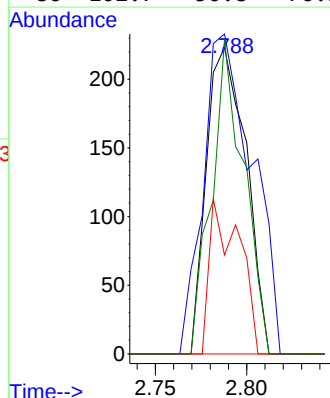
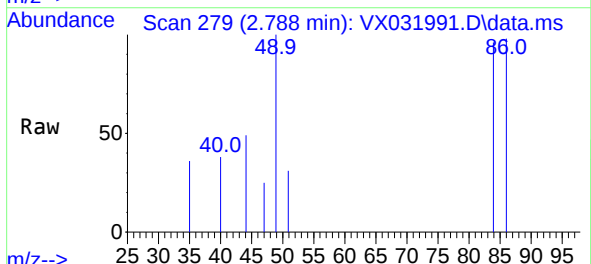
Instrument :
MSVOA_X
ClientSampleId :
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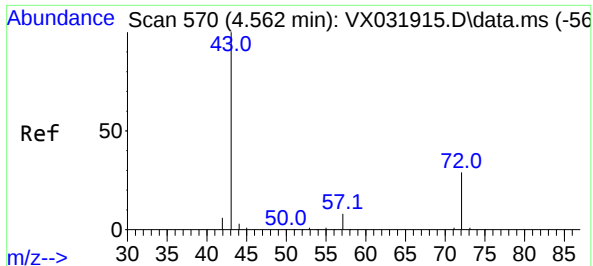
Tgt Ion: 73 Resp: 887
Ion Ratio Lower Upper
73 100
57 12.9 17.2 25.8#



#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 84 Resp: 337
Ion Ratio Lower Upper
84 100
49 104.5 105.9 158.9#
51 32.3 32.2 48.2
86 102.7 50.8 76.2#





#25

2-Butanone

Concen: 0.732 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX031991.D

Acq: 08 Oct 2022 04:15

Instrument :

MSVOA_X

ClientSampleId :

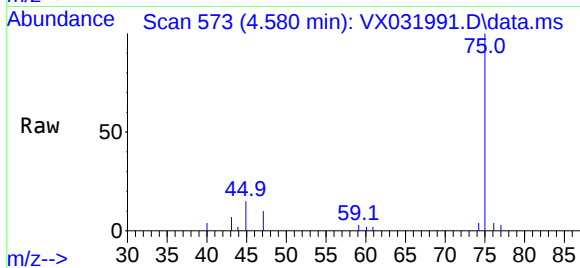
FB-092922

Tgt Ion: 43 Resp: 424

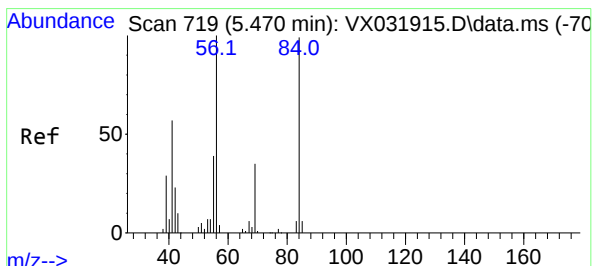
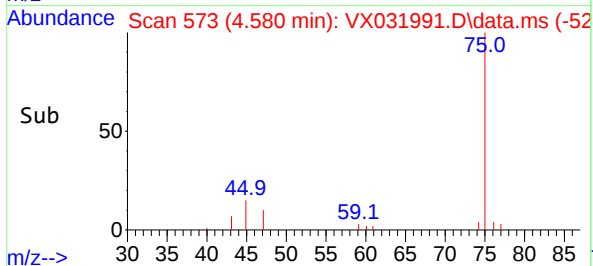
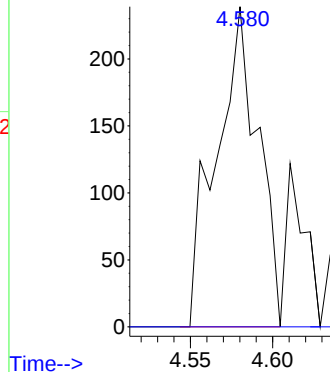
Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



Abundance



#31

Cyclohexane

Concen: 0.946 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX031991.D

Acq: 08 Oct 2022 04:15

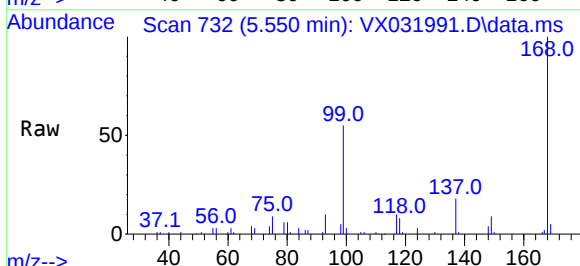
Tgt Ion: 56 Resp: 1232

Ion Ratio Lower Upper

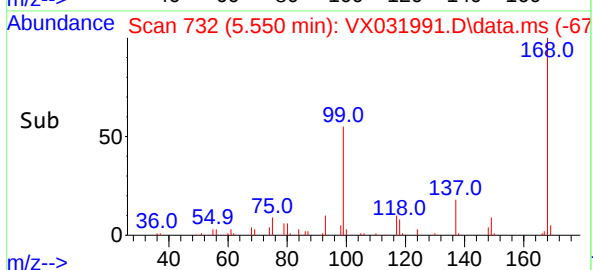
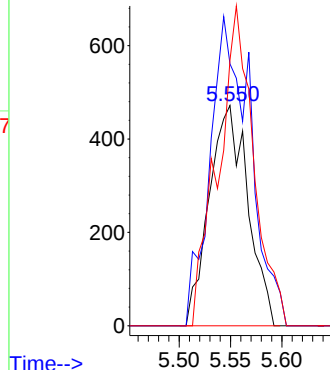
56 100

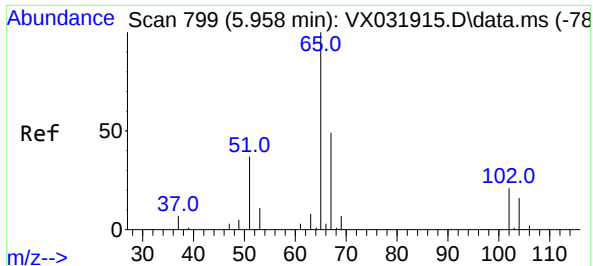
69 118.9 25.1 37.7#

84 120.6 70.2 105.4#



Abundance

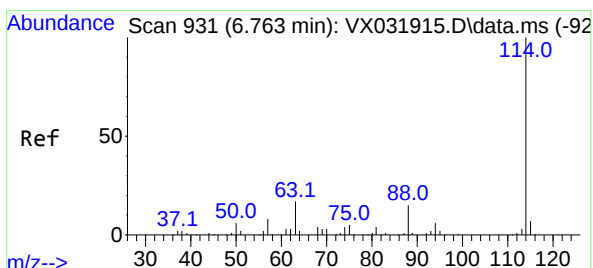
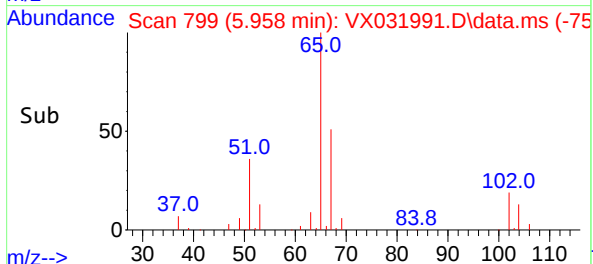
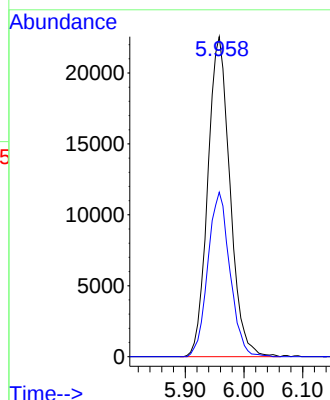
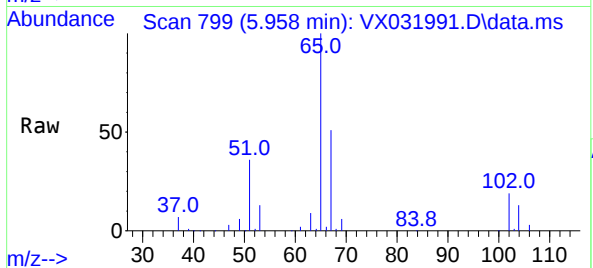




#33
 1,2-Dichloroethane-d4
 Concen: 54.205 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX031991.D
 Acq: 08 Oct 2022 04:15

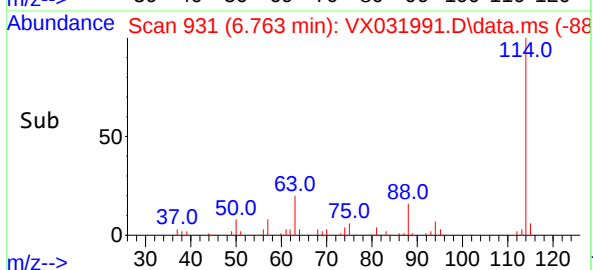
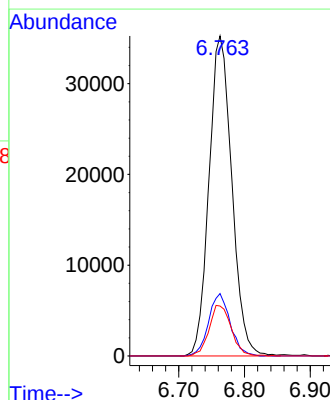
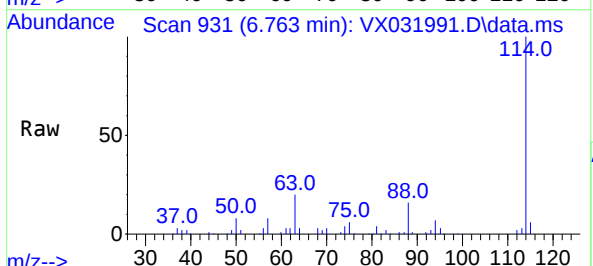
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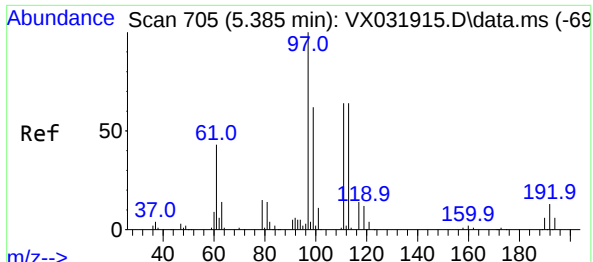
Tgt Ion: 65 Resp: 59084
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX031991.D
 Acq: 08 Oct 2022 04:15

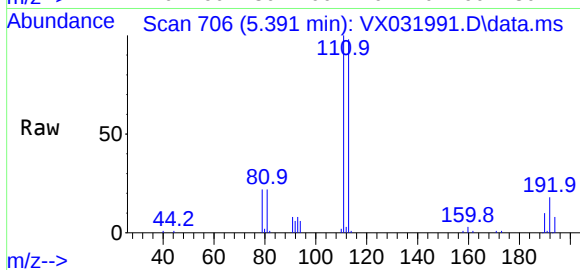
Tgt Ion: 114 Resp: 85141
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.6
 88 15.6 0.0 33.0



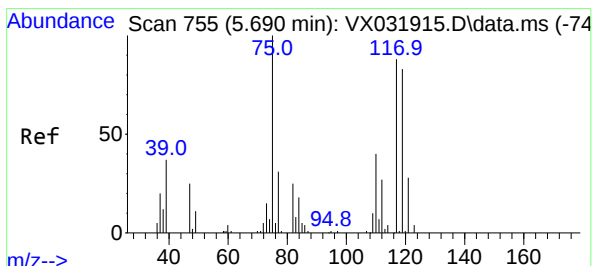
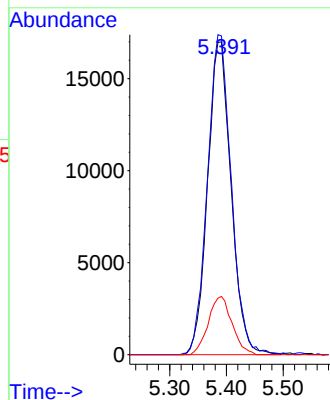
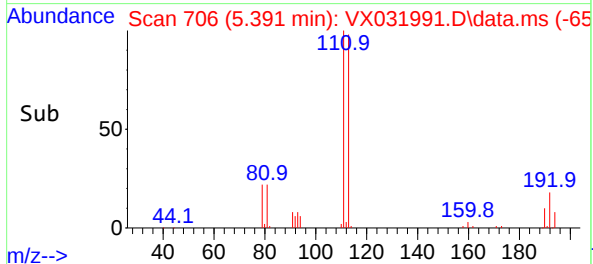


#35
Dibromofluoromethane
Concen: 50.710 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Instrument :
MSVOA_X
ClientSampleId :
FB-092922

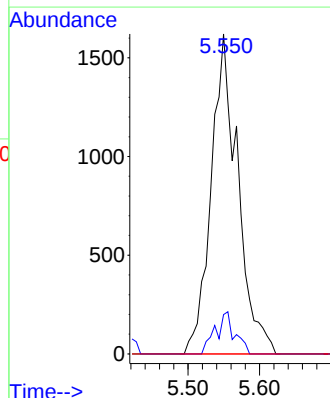
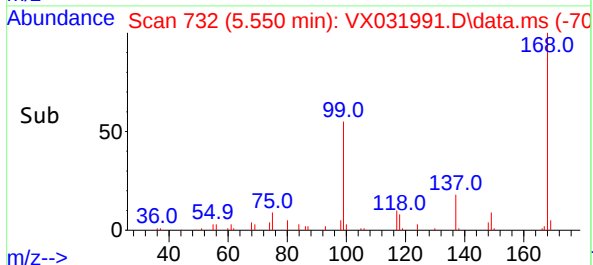
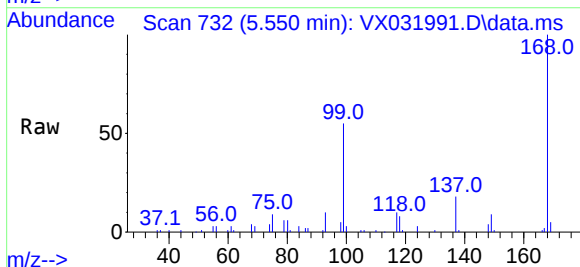


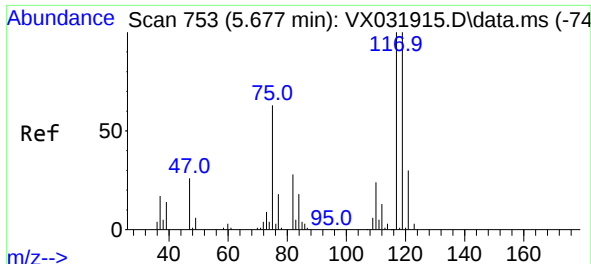
Tgt Ion:113 Resp: 48872
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 18.8 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.287 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

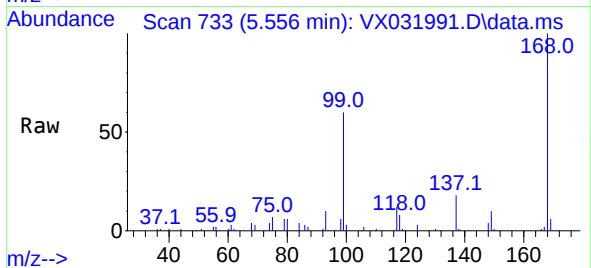
Tgt Ion: 75 Resp: 4201
Ion Ratio Lower Upper
75 100
110 9.5 17.5 52.5#
77 0.0 24.9 37.3#



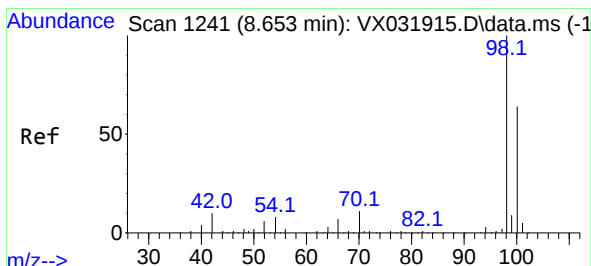
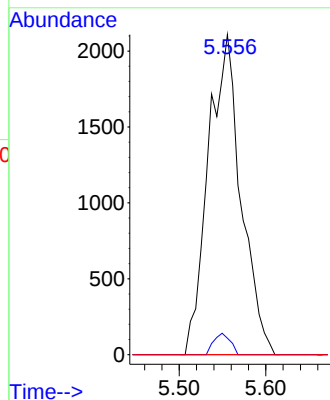
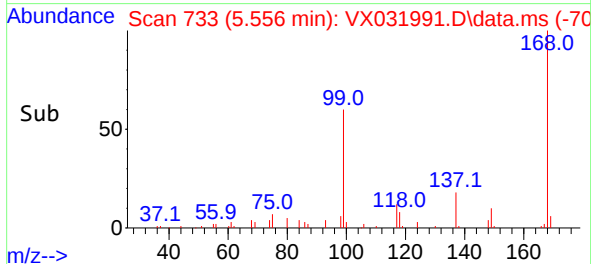


#38
Carbon Tetrachloride
Concen: 4.235 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Instrument :
MSVOA_X
ClientSampleId :
FB-092922

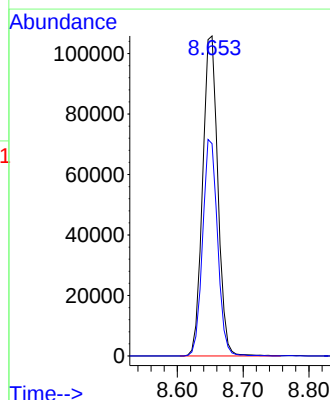
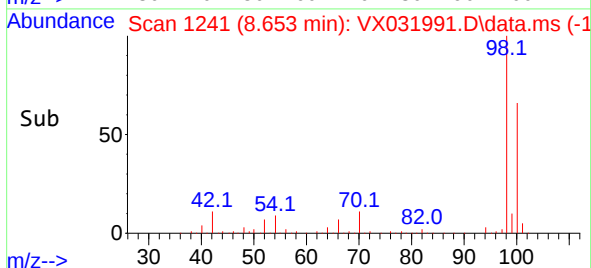
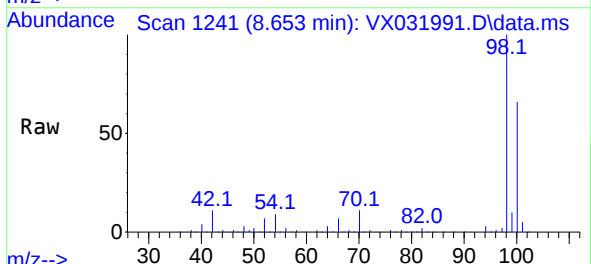


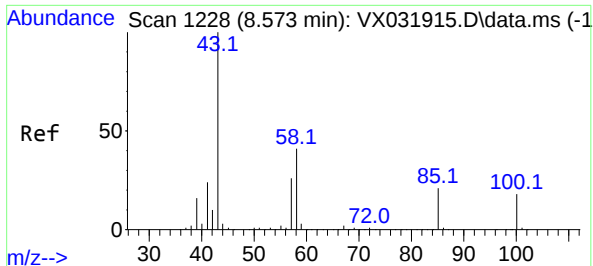
Tgt Ion:117 Resp: 5534
Ion Ratio Lower Upper
117 100
119 5.2 74.6 112.0#
121 0.0 25.3 37.9#



#50
Toluene-d8
Concen: 49.057 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 98 Resp: 170125
Ion Ratio Lower Upper
98 100
100 66.3 52.5 78.7

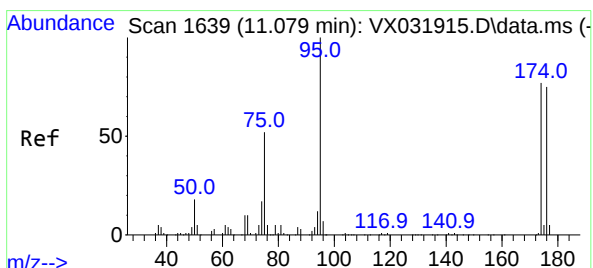
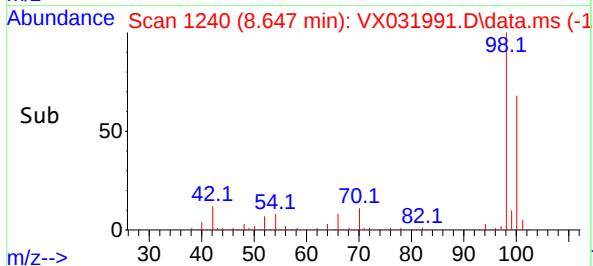
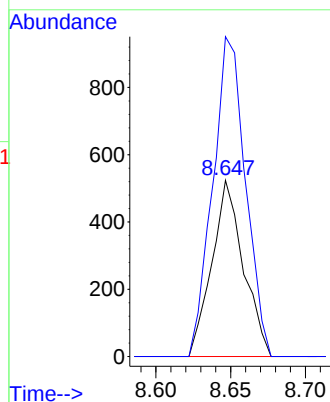
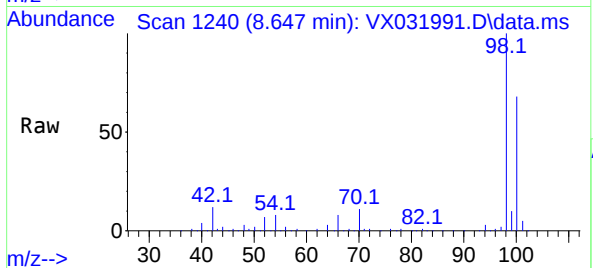




#51
4-Methyl-2-Pentanone
Concen: 0.634 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

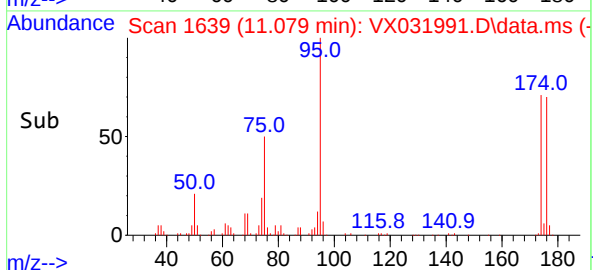
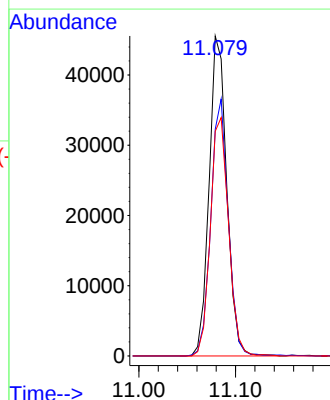
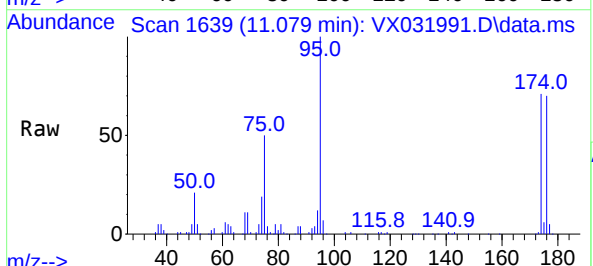
Instrument :
MSVOA_X
ClientSampleId :
FB-092922

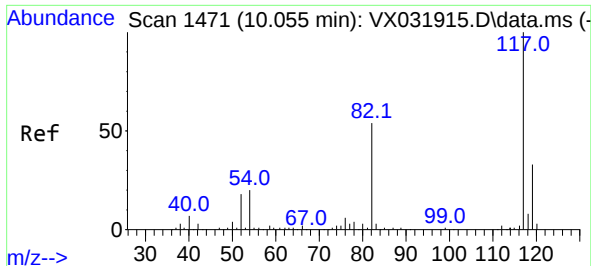
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 188.9 30.6 46.0#



#62
4-Bromofluorobenzene
Concen: 47.171 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 95 Resp: 57832
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.2
176 76.7 0.0 144.0

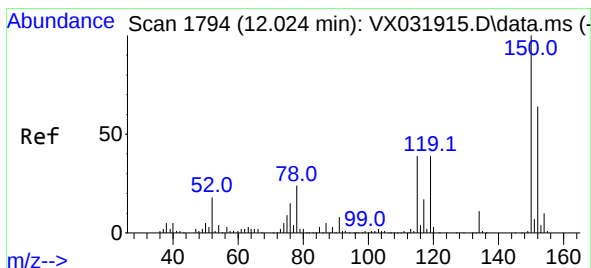
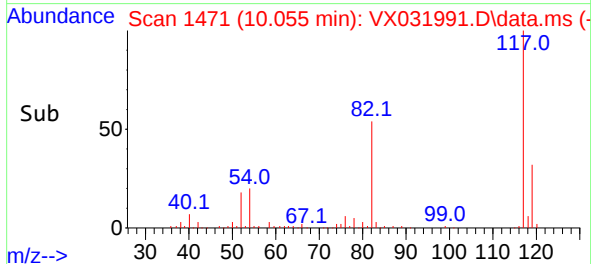
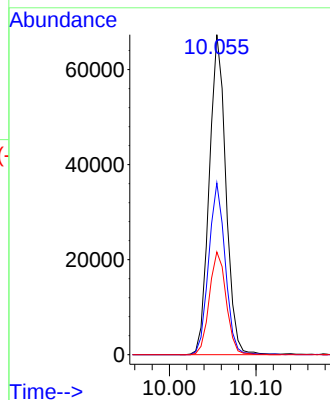
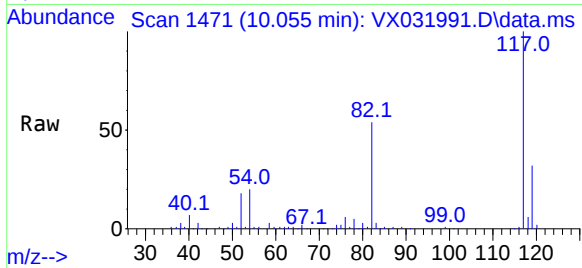




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

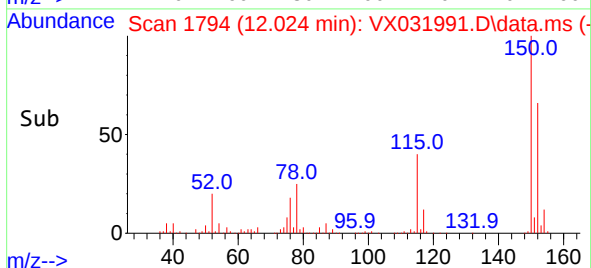
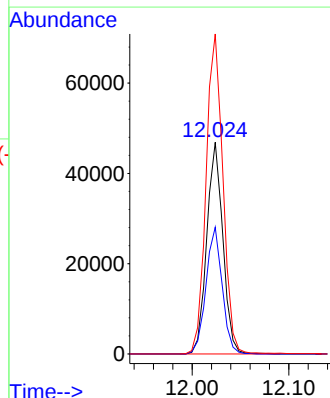
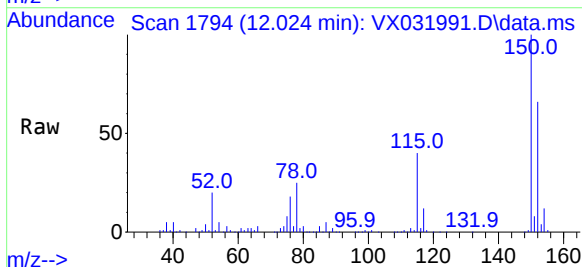
Instrument :
MSVOA_X
ClientSampleId :
FB-092922

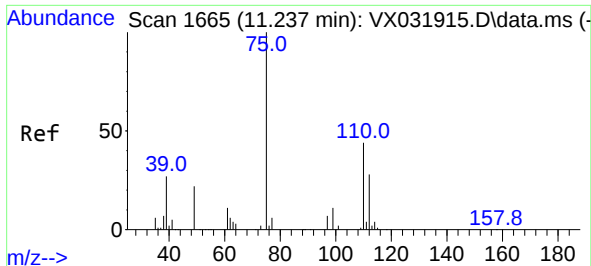
Tgt Ion:	117	Resp:	89890
Ion	Ratio	Lower	Upper
117	100		
82	53.6	46.8	70.2
119	32.1	26.4	39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion:	152	Resp:	54421
Ion	Ratio	Lower	Upper
152	100		
115	60.2	43.4	130.1
150	158.5	0.0	346.8

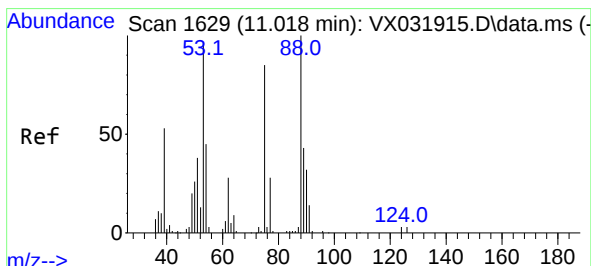
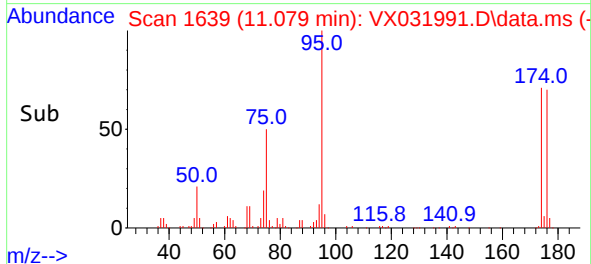
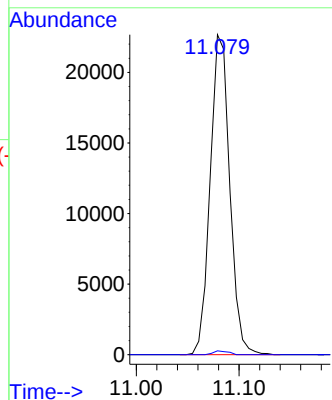
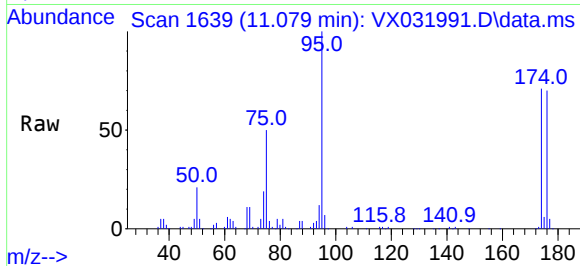




#76
1,2,3-Trichloropropane
Concen: 26.832 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Instrument :
MSVOA_X
ClientSampleId :
FB-092922

Tgt Ion: 75 Resp: 29927
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.963 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031991.D
Acq: 08 Oct 2022 04:15

Tgt Ion: 75 Resp: 29927
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

