

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033799.D
 Acq On : 19 Jan 2023 14:24
 Operator : JC/MD
 Sample : PB150330ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:21:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

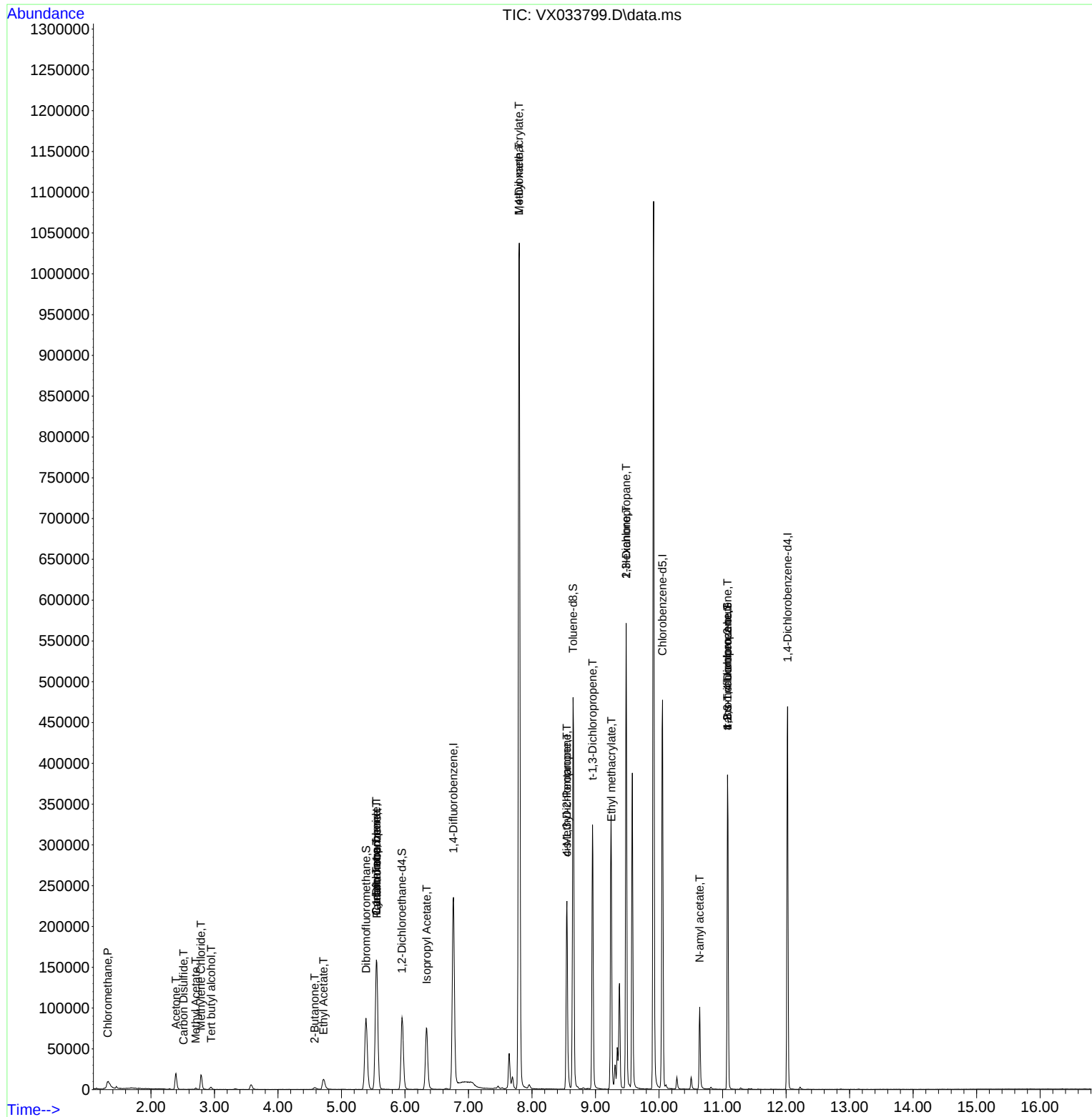
Internal Standards						
1) Pentafluorobenzene	5.556	168	173705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250533	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224534	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84675	46.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.600%		
35) Dibromofluoromethane	5.385	113	76308	49.051	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	8.647	98	288395	50.880	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.760%		
62) 4-Bromofluorobenzene	11.079	95	96296	45.758	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.520%		
Target Compounds					Qvalue	
3) Chloromethane	1.319	50	375	0.243	ug/l #	43
11) Tert butyl alcohol	2.946	59	1770	5.571	ug/l #	86
16) Acetone	2.392	43	24776	26.185	ug/l	95
17) Carbon Disulfide	2.514	76	268	1.894	ug/l #	76
18) Methyl Acetate	2.703	43	2175	0.852	ug/l	92
20) Methylene Chloride	2.788	84	8565	3.033	ug/l	96
25) 2-Butanone	4.574	43	3867	3.236	ug/l	99
31) Cyclohexane	5.550	56	2611	0.970	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	10247	4.513	ug/l #	45
37) Ethyl Acetate	4.714	43	24186	8.810	ug/l	99
38) Carbon Tetrachloride	5.550	117	14825	6.304	ug/l #	16
43) Isopropyl Acetate	6.342	43	105796	29.516	ug/l	99
48) Methyl methacrylate	7.793	41	88768	49.164	ug/l #	44
49) 1,4-Dioxane	7.793	88	135	3.380	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80931	36.765	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	637	0.285	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38192	15.273	ug/l #	58
56) Ethyl methacrylate	9.250	69	613	0.257	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5054	1.842	ug/l #	43
59) 2-Hexanone	9.482	43	67573	44.104	ug/l #	50
73) Isopropylbenzene	10.963	105	50	Below Cal	#	48
74) N-amyl acetate	10.640	43	27287	9.504	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	48808	24.296	ug/l #	34
79) 2-Chlorotoluene	11.311	91	87	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	48808	75.510	ug/l #	8
82) 4-Chlorotoluene	11.457	91	165	Below Cal	#	43

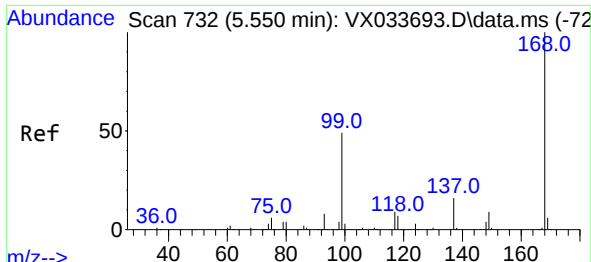
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
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Quant Time: Jan 20 05:21:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

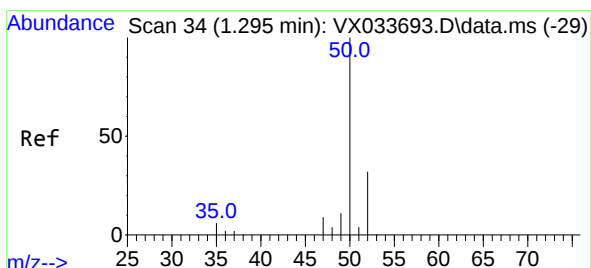
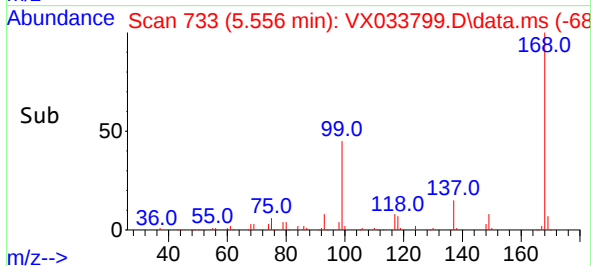
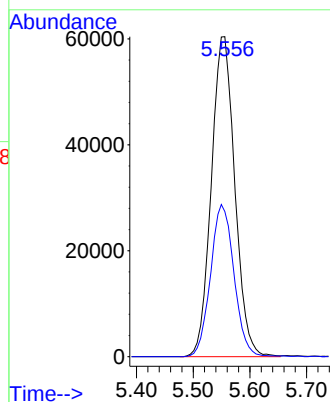
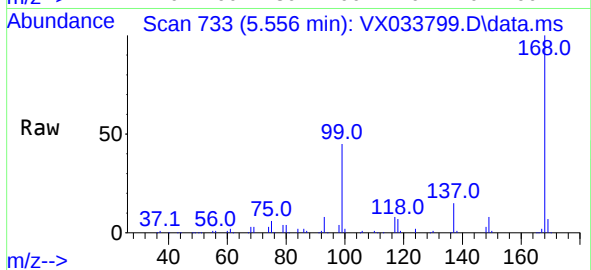
ClientSampleId :

Tgt Ion:168 Resp: 173705

Ion Ratio Lower Upper

168 100

99 45.4 39.6 59.4



#3

Chloromethane

Concen: 0.243 ug/l

RT: 1.319 min Scan# 38

Delta R.T. 0.024 min

Lab File: VX033799.D

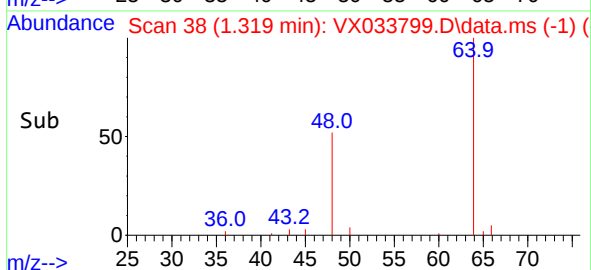
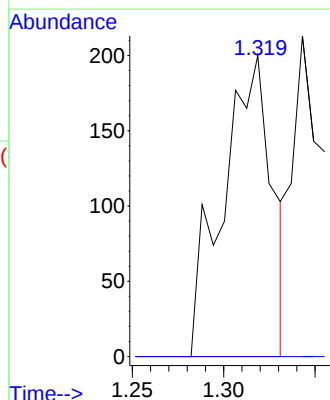
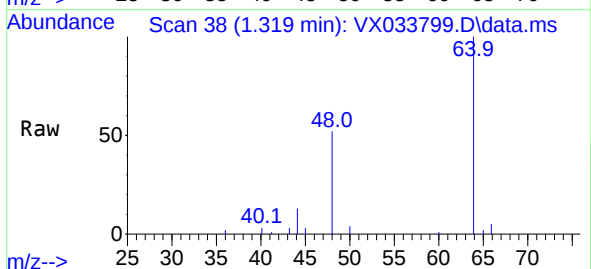
Acq: 19 Jan 2023 14:24

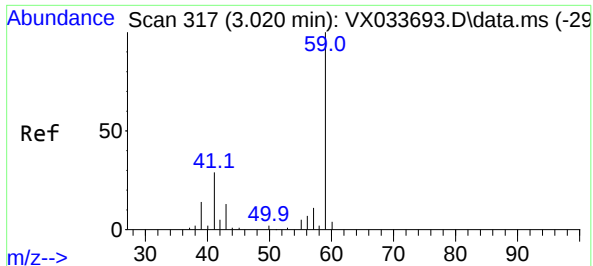
Tgt Ion: 50 Resp: 375

Ion Ratio Lower Upper

50 100

52 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 5.571 ug/l

RT: 2.946 min Scan# 30

Delta R.T. -0.073 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

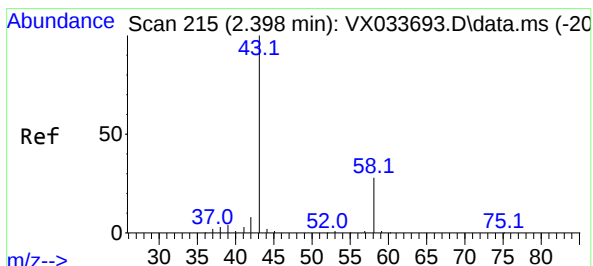
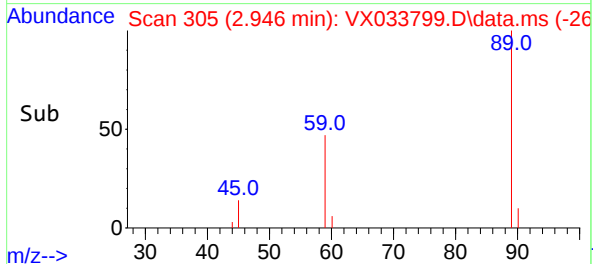
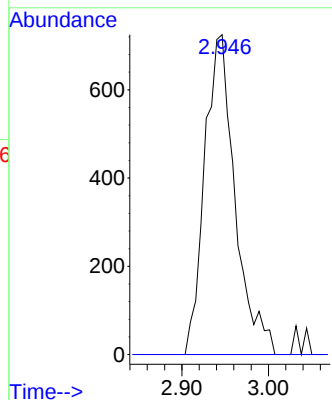
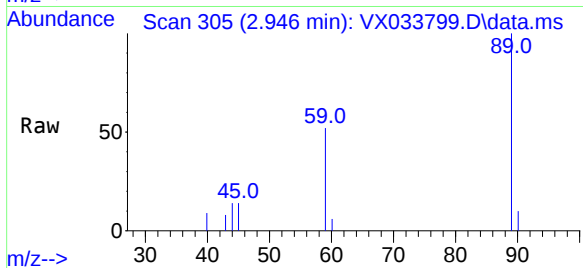
ClientSampleId :

Tgt Ion: 59 Resp: 1770

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 26.185 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033799.D

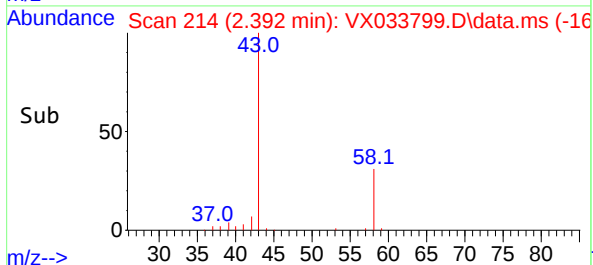
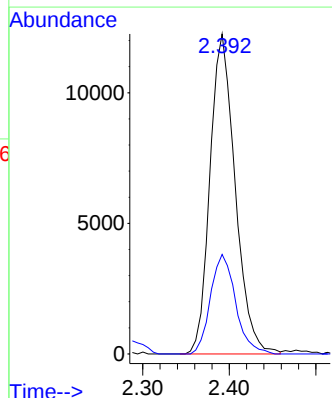
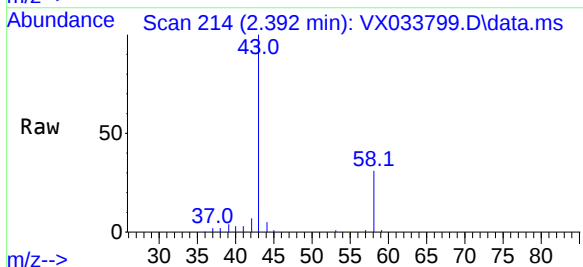
Acq: 19 Jan 2023 14:24

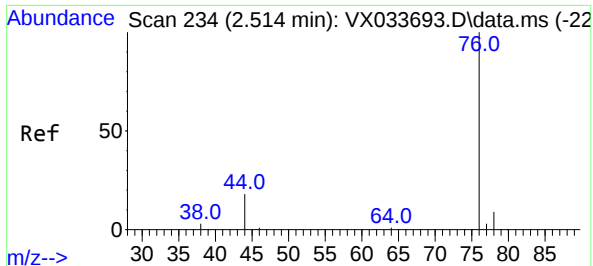
Tgt Ion: 43 Resp: 24776

Ion Ratio Lower Upper

43 100

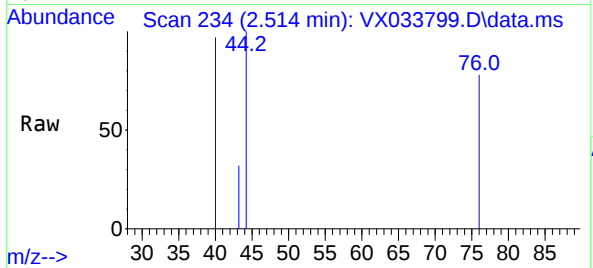
58 31.1 22.6 33.8



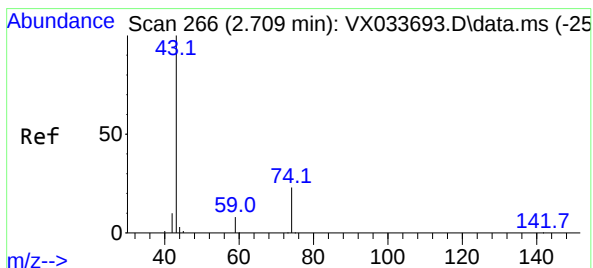
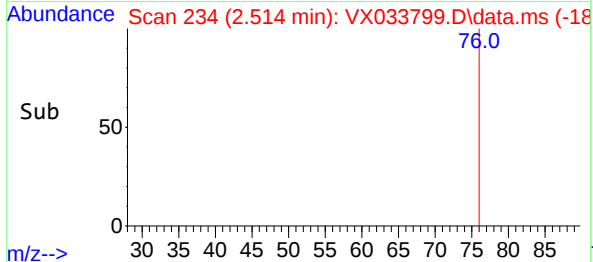
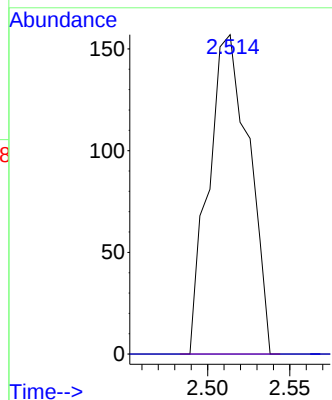


#17
Carbon Disulfide
Concen: 1.894 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument :
MSVOA_X
ClientSampleId :

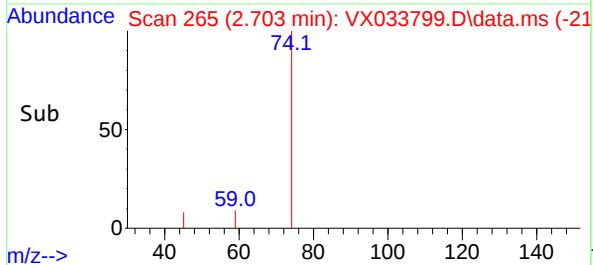
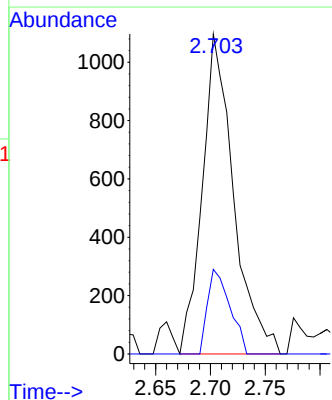
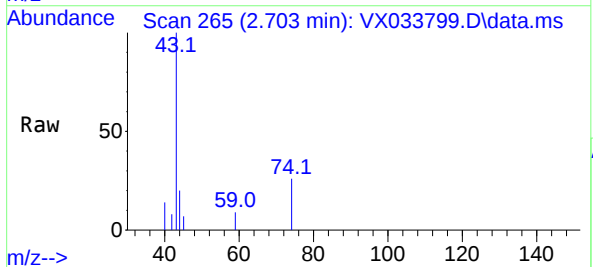


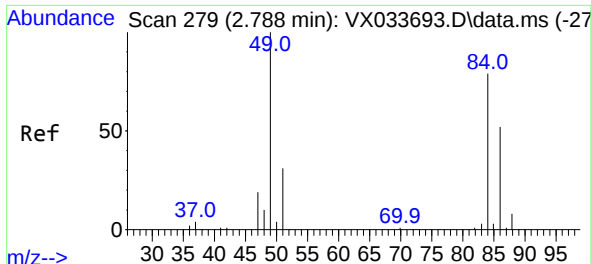
Tgt Ion: 76 Resp: 268
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

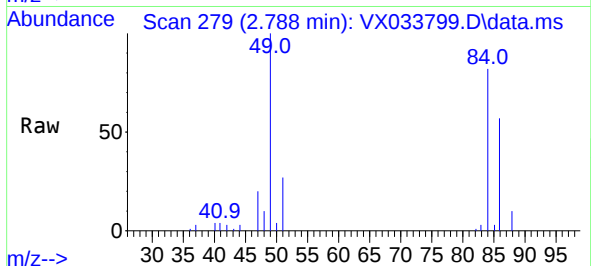
Tgt Ion: 43 Resp: 2175
Ion Ratio Lower Upper
43 100
74 18.9 18.2 27.4



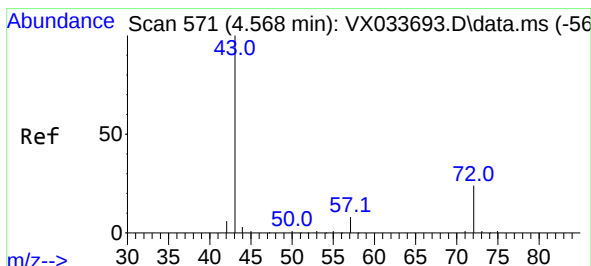
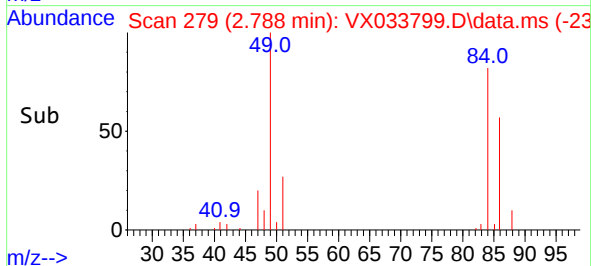
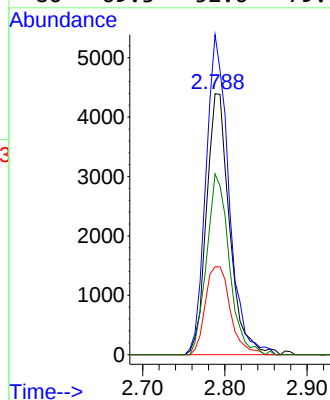


#20
Methylene Chloride
Concen: 3.033 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument :
MSVOA_X
ClientSampleId :

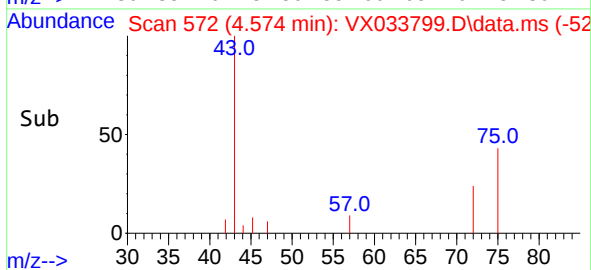
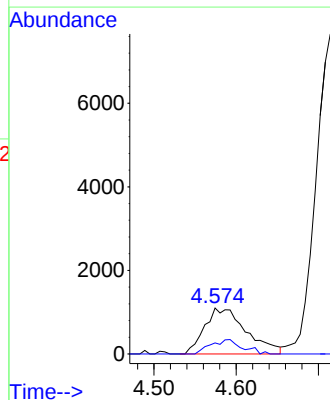
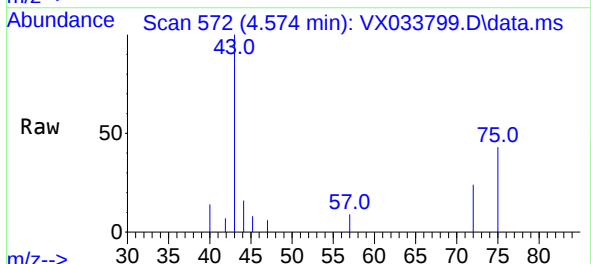


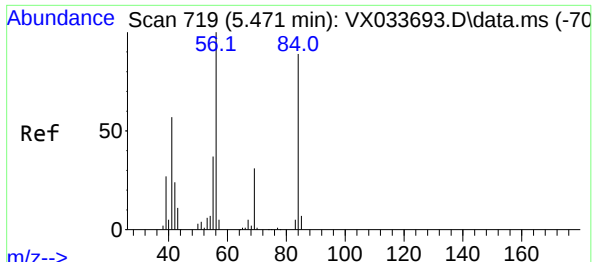
Tgt Ion:	84	Resp:	8565
Ion	Ratio	Lower	Upper
84	100		
49	122.6	101.1	151.7
51	33.6	31.0	46.6
86	69.3	52.6	79.0



#25
2-Butanone
Concen: 3.236 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

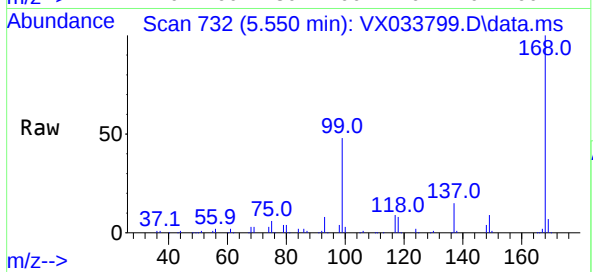
Tgt Ion:	43	Resp:	3867
Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.4	29.2



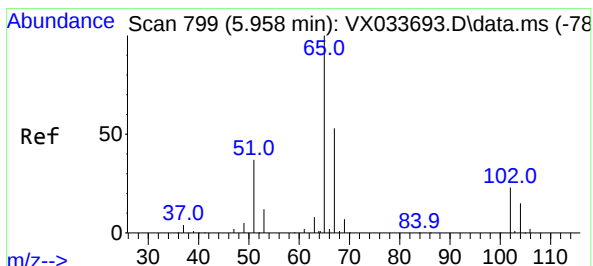
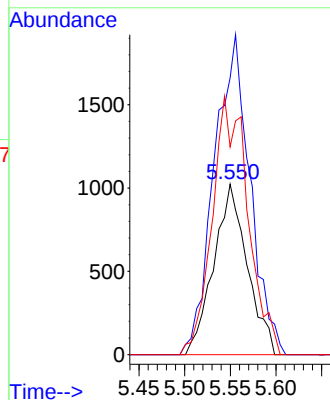
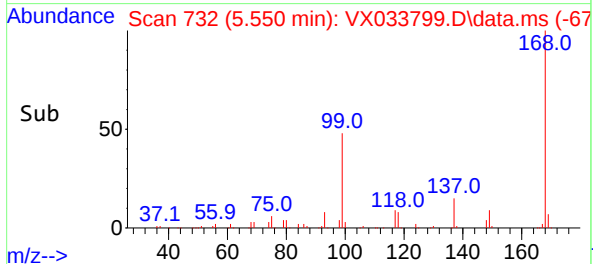


#31
Cyclohexane
Concen: 0.970 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument :
MSVOA_X
ClientSampleId :

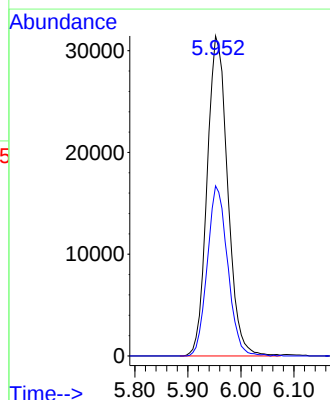
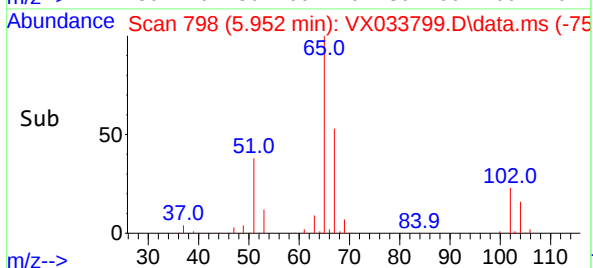
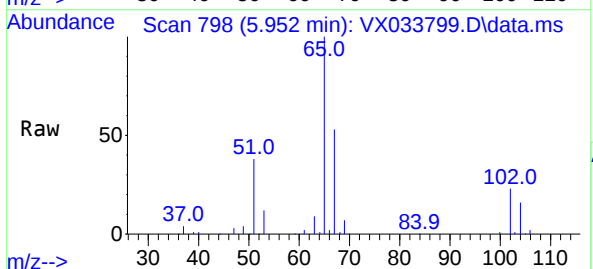


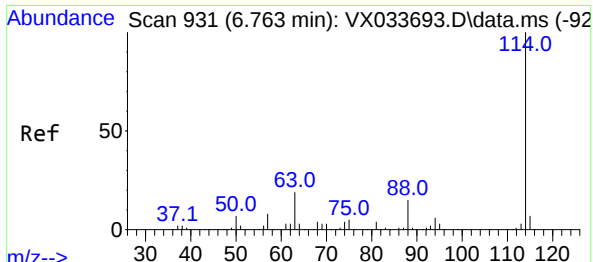
Tgt Ion: 56 Resp: 2611
Ion Ratio Lower Upper
56 100
69 162.3 24.6 37.0#
84 121.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.297 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

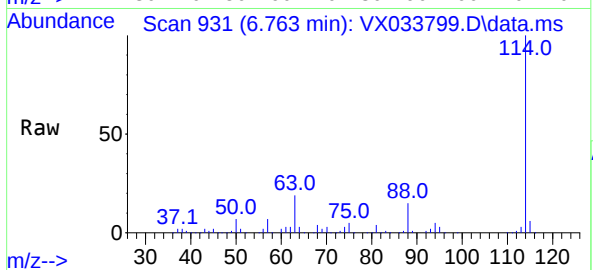
Tgt Ion: 65 Resp: 84675
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



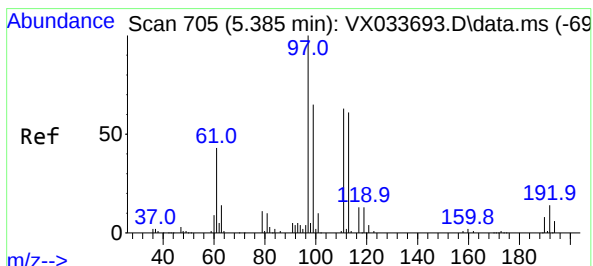
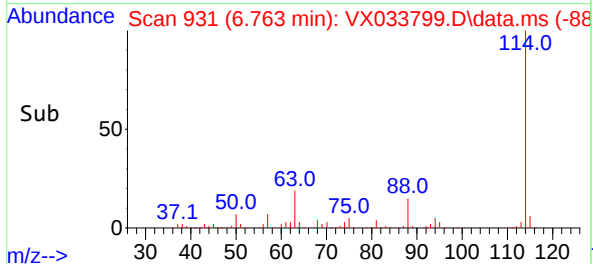
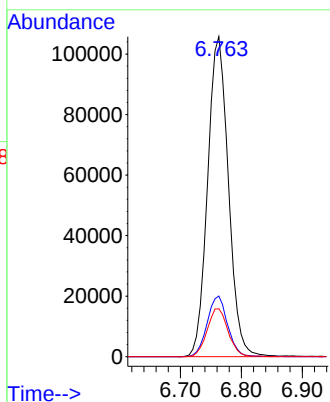


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

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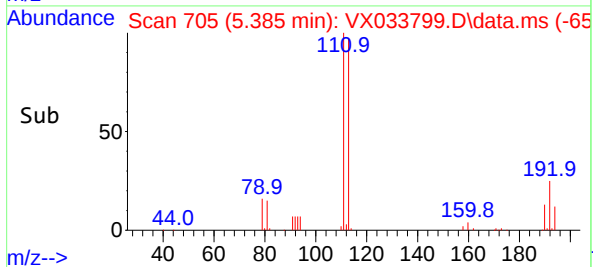
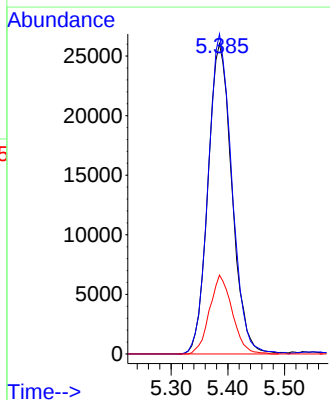
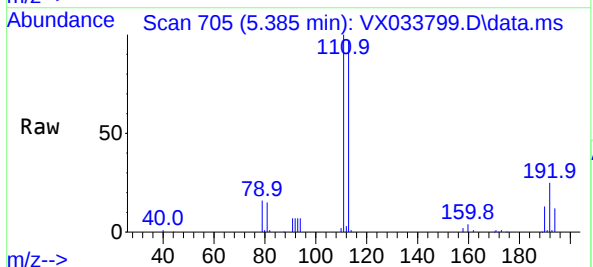


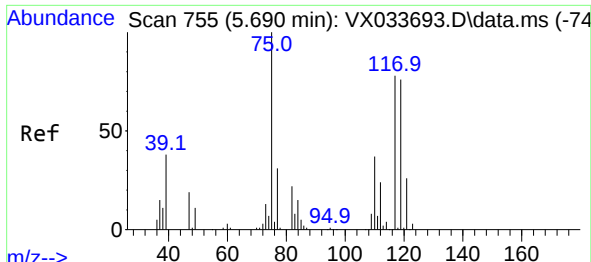
Tgt Ion:114 Resp: 250533
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.4
88 15.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.051 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion:113 Resp: 76308
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 24.1 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

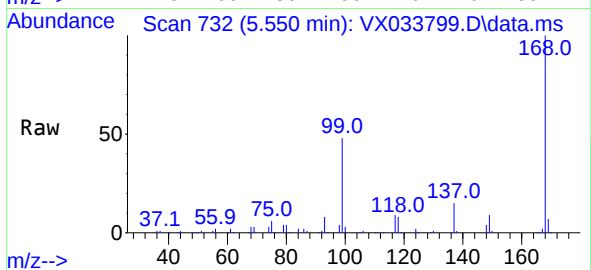
Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

ClientSampleId :



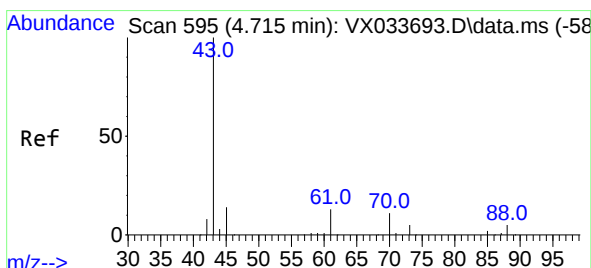
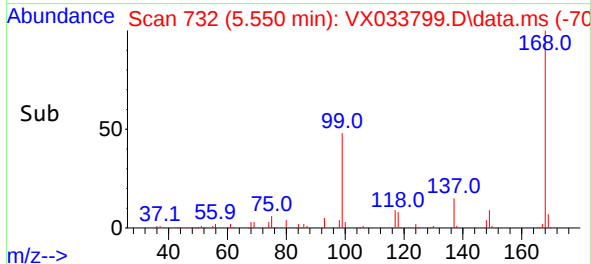
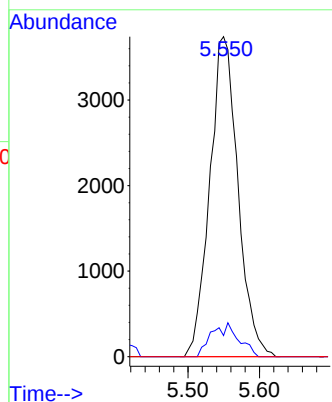
Tgt Ion: 75 Resp: 10247

Ion Ratio Lower Upper

75 100

110 5.1 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 8.810 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

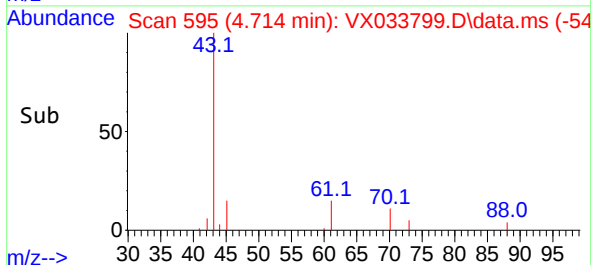
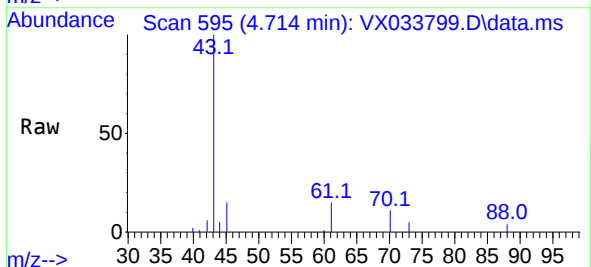
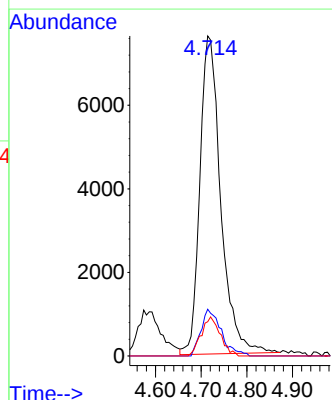
Tgt Ion: 43 Resp: 24186

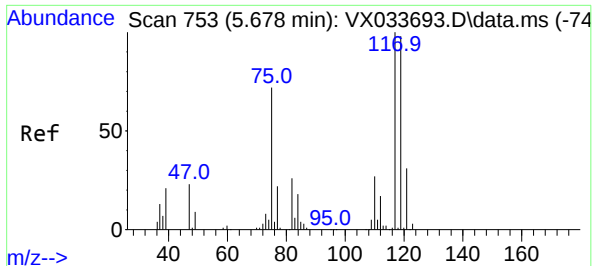
Ion Ratio Lower Upper

43 100

61 14.2 11.1 16.7

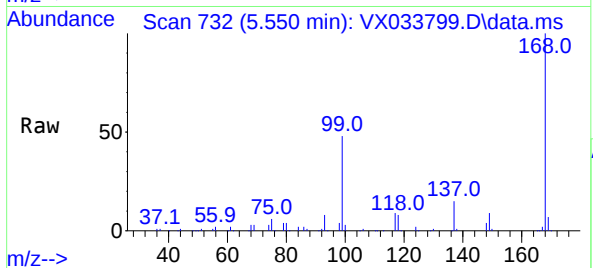
70 11.2 8.5 12.7



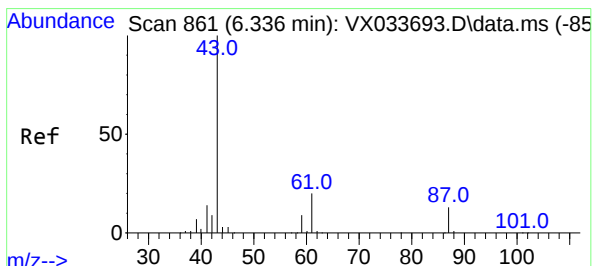
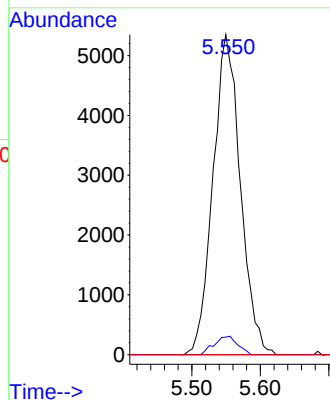
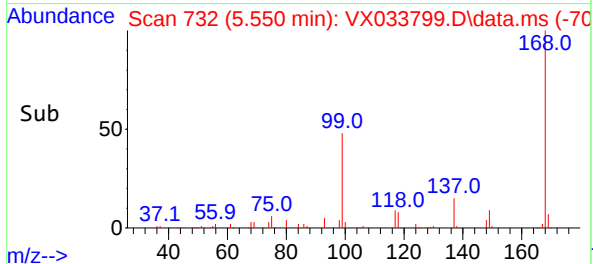


#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument :
MSVOA_X
ClientSampleId :

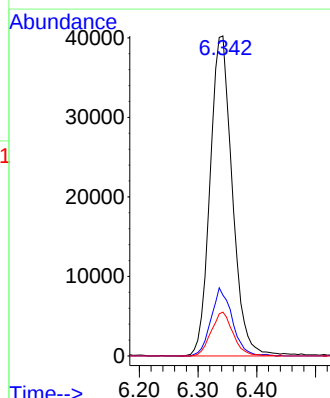
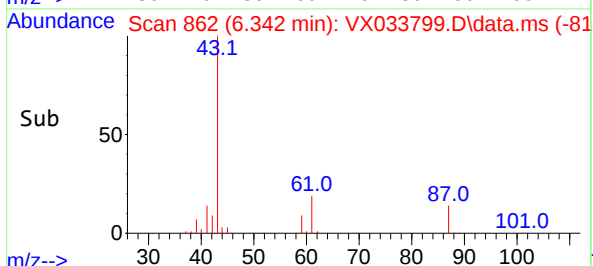
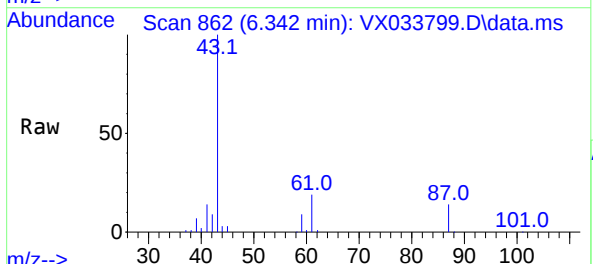


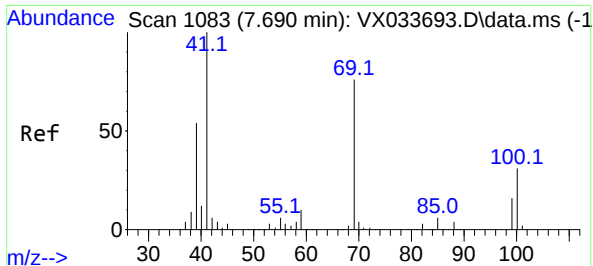
Tgt Ion:117 Resp: 14825
Ion Ratio Lower Upper
117 100
119 5.5 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 29.516 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion: 43 Resp: 105796
Ion Ratio Lower Upper
43 100
61 20.4 15.7 23.5
87 13.4 10.6 15.8





#48

Methyl methacrylate

Concen: 49.164 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.103 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

ClientSampleId :

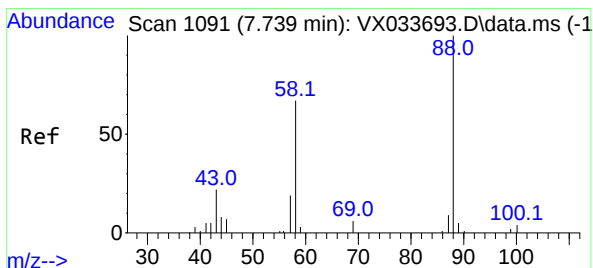
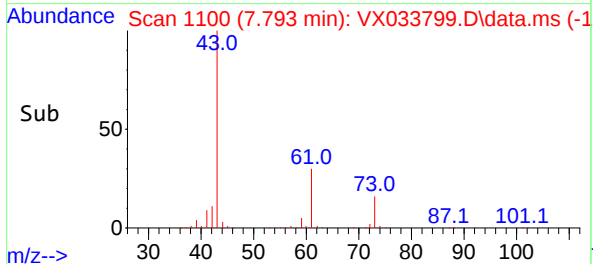
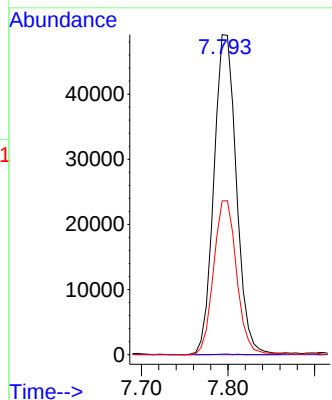
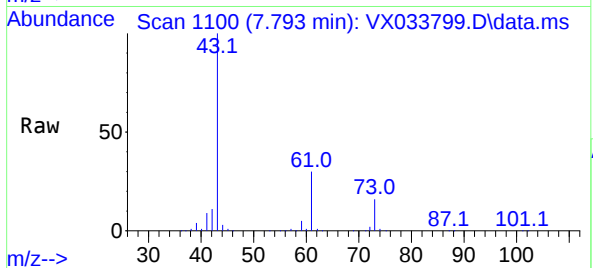
Tgt Ion: 41 Resp: 88768

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 49.2 43.2 64.8



#49

1,4-Dioxane

Concen: 3.380 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

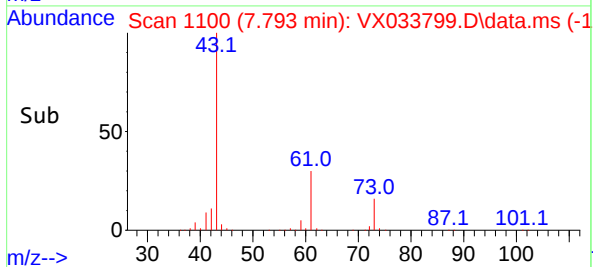
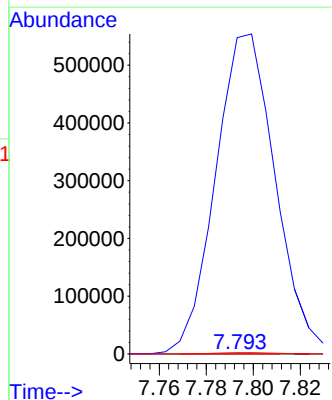
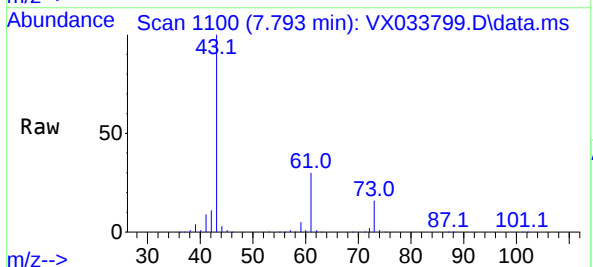
Tgt Ion: 88 Resp: 135

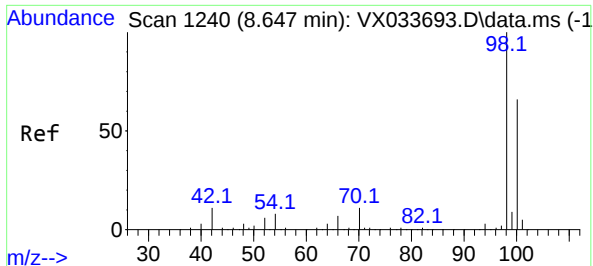
Ion Ratio Lower Upper

88 100

43 734040.7 0.0 0.0#

58 3041.5 56.5 84.7#

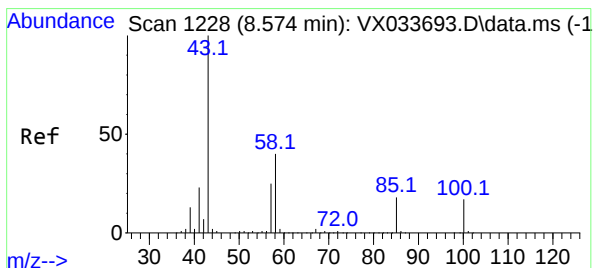
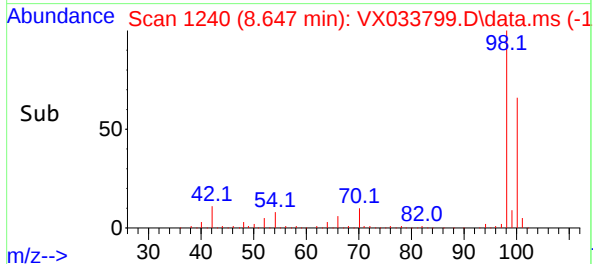
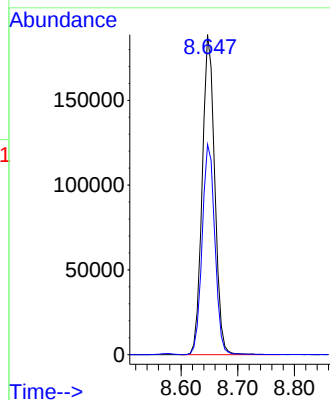
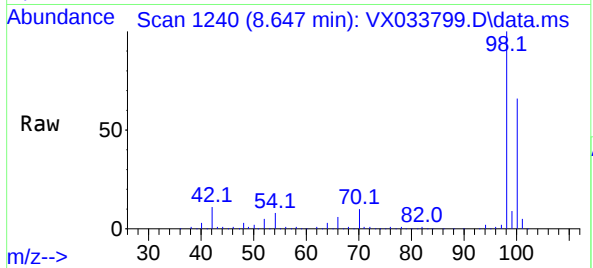




#50
Toluene-d8
Concen: 50.880 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

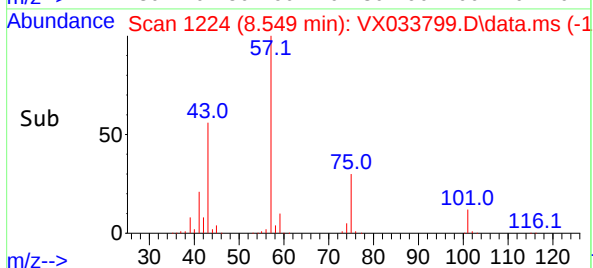
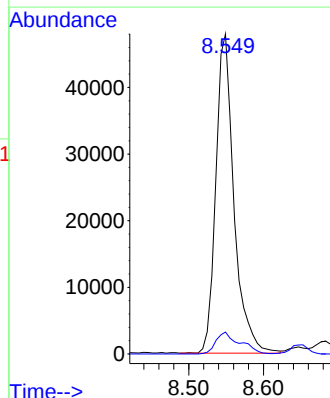
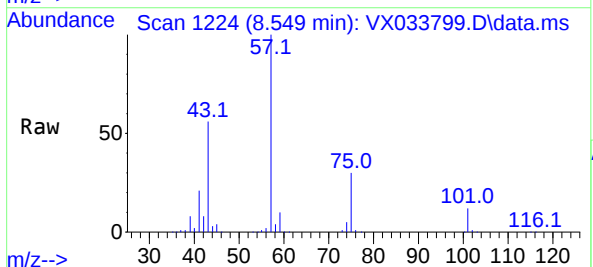
Instrument :
MSVOA_X
ClientSampleId :

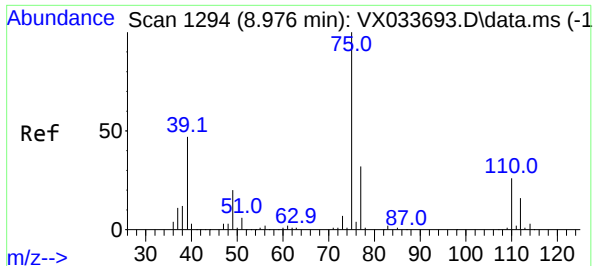
Tgt Ion: 98 Resp: 288395
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 36.765 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion: 43 Resp: 80931
Ion Ratio Lower Upper
43 100
58 9.1 31.2 46.8#

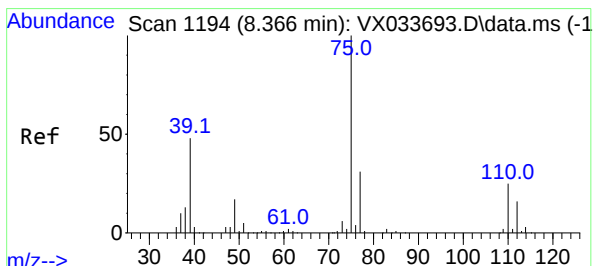
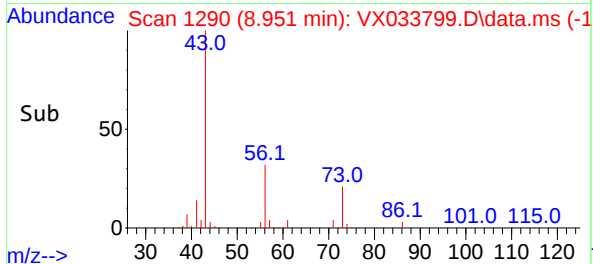
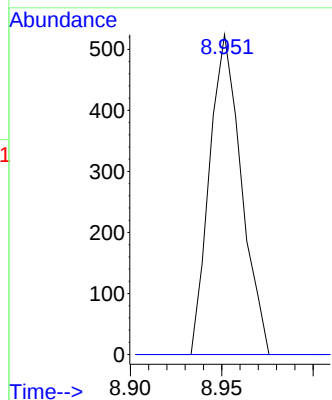
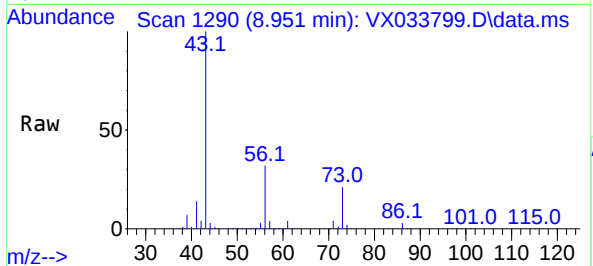




#53
t-1,3-Dichloropropene
Concen: 0.285 ug/l
RT: 8.951 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

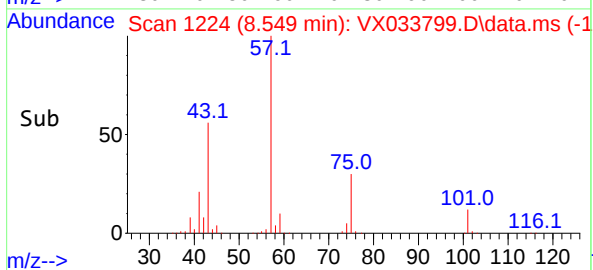
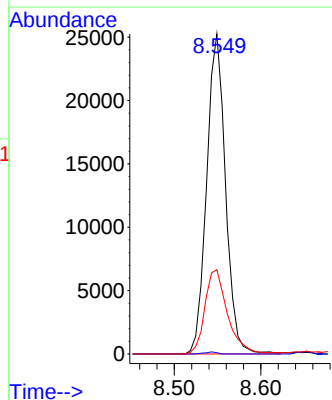
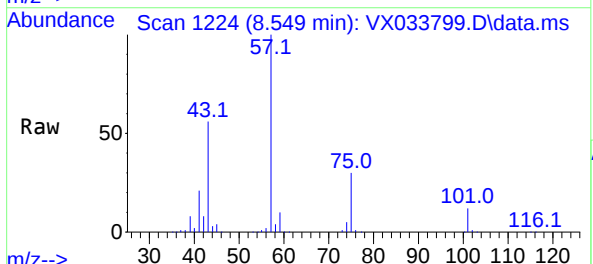
Instrument :
MSVOA_X
ClientSampleId :

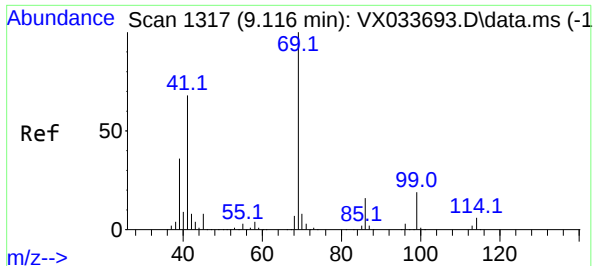
Tgt Ion: 75 Resp: 637
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 15.273 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion: 75 Resp: 38192
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.6#
39 26.3 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.257 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.134 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

ClientSampleId :

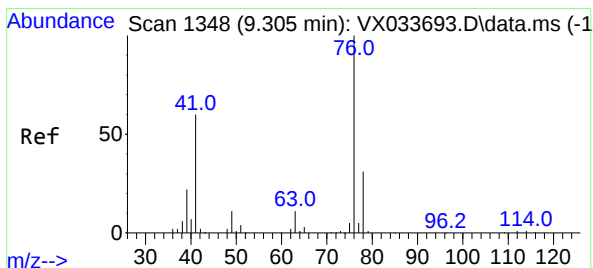
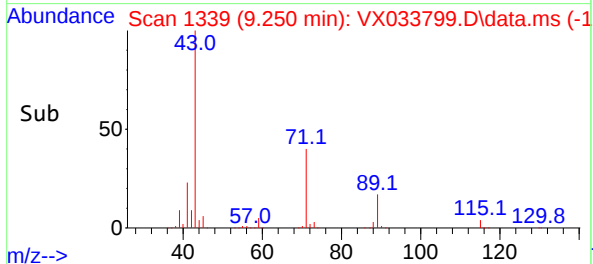
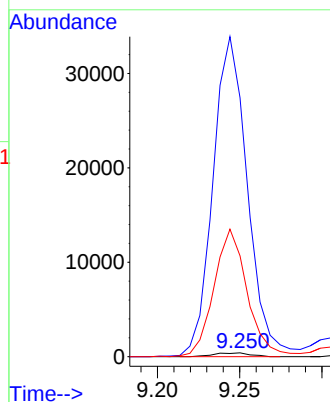
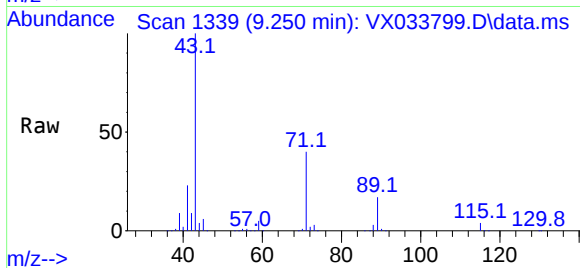
Tgt Ion: 69 Resp: 613

Ion Ratio Lower Upper

69 100

41 8110.3 55.1 82.7#

39 3125.6 28.5 42.7#



#57

1,3-Dichloropropane

Concen: 1.842 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033799.D

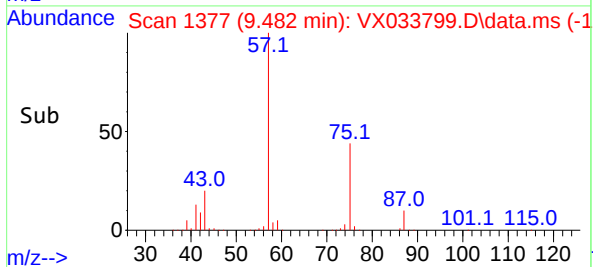
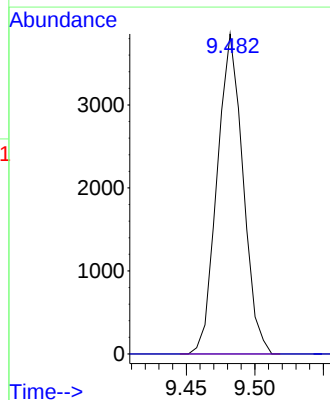
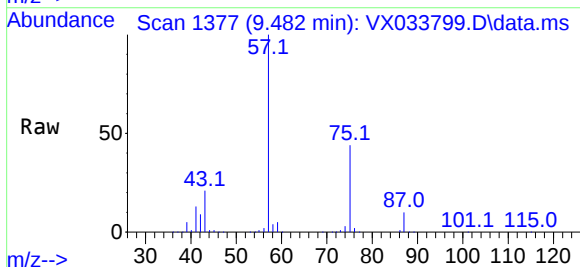
Acq: 19 Jan 2023 14:24

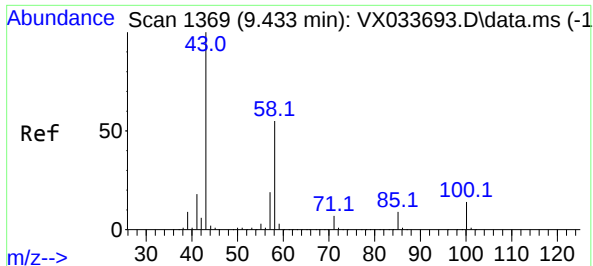
Tgt Ion: 76 Resp: 5054

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 44.104 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

Instrument :

MSVOA_X

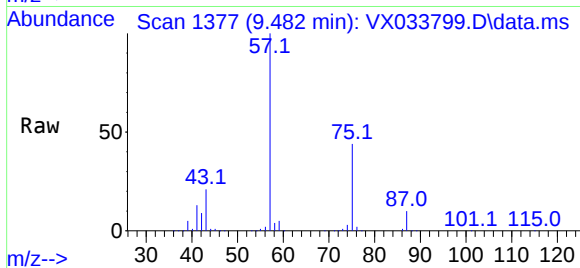
ClientSampleId :

Tgt Ion: 43 Resp: 67573

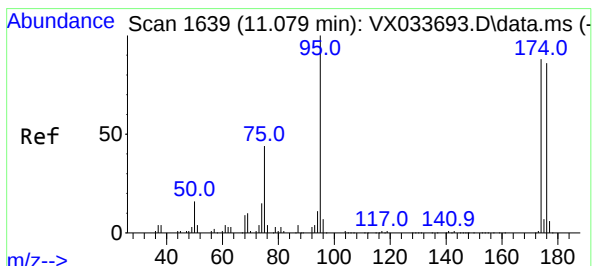
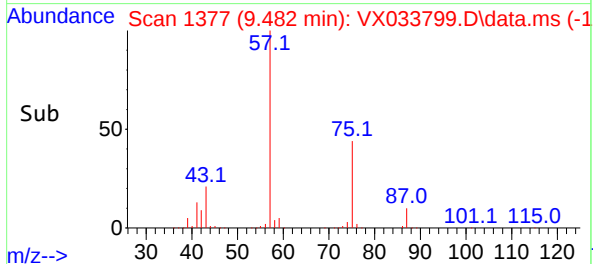
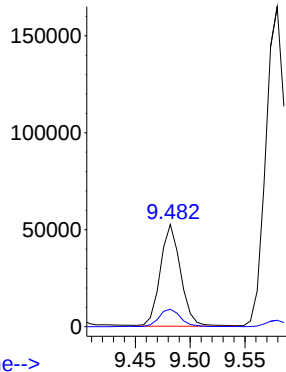
Ion Ratio Lower Upper

43 100

58 18.5 27.4 82.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 45.758 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033799.D

Acq: 19 Jan 2023 14:24

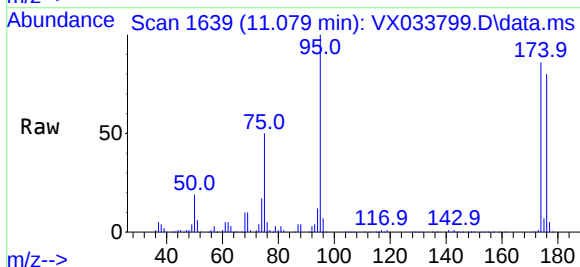
Tgt Ion: 95 Resp: 96296

Ion Ratio Lower Upper

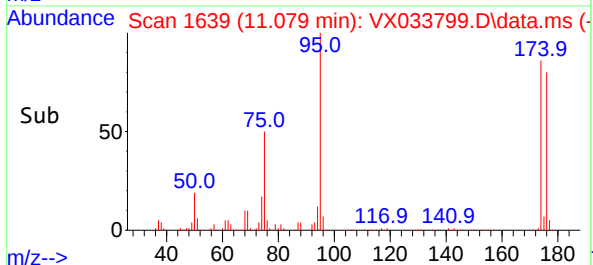
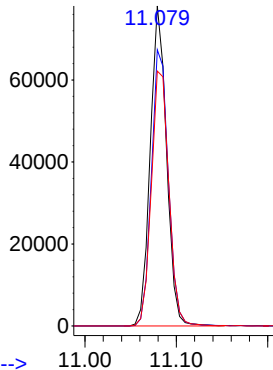
95 100

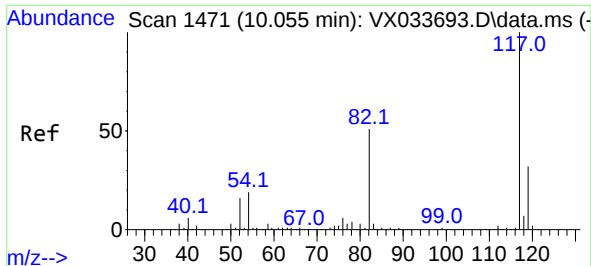
174 90.0 0.0 184.4

176 85.8 0.0 178.8



Abundance

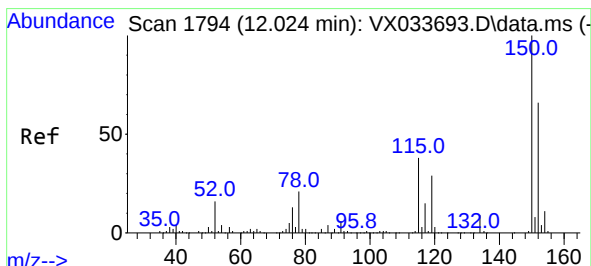
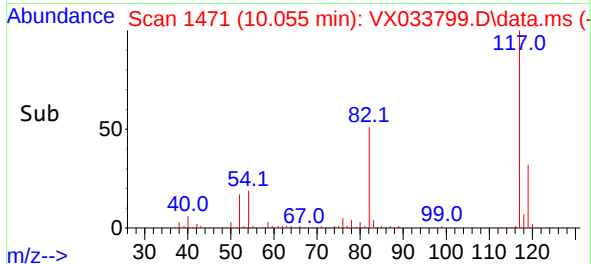
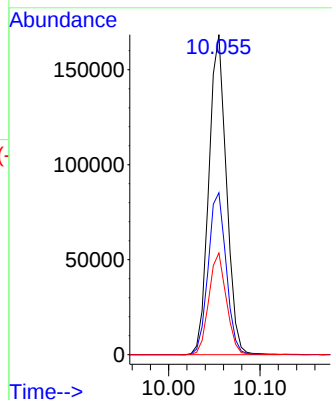
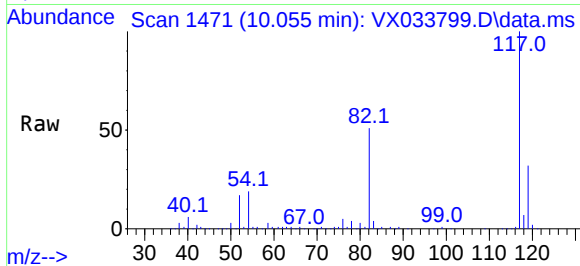




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

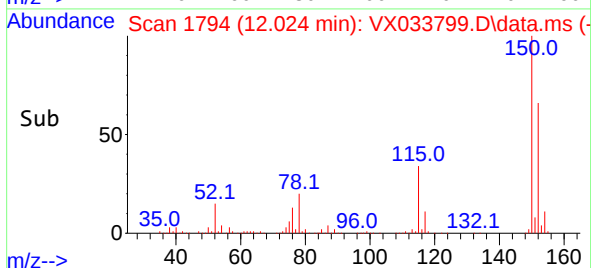
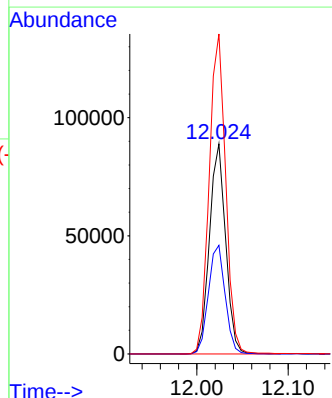
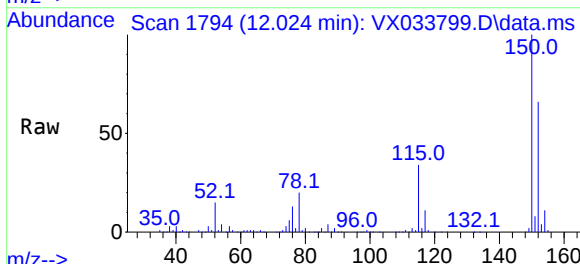
Instrument :
MSVOA_X
ClientSampleId :

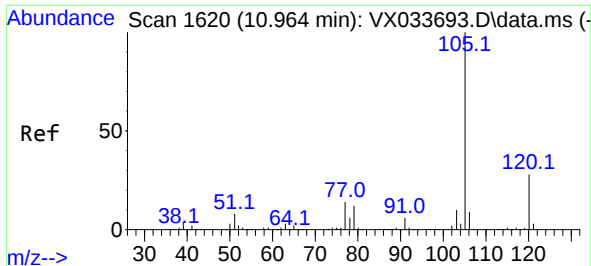
Tgt Ion:117 Resp: 224534
Ion Ratio Lower Upper
117 100
82 50.6 40.6 60.8
119 31.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

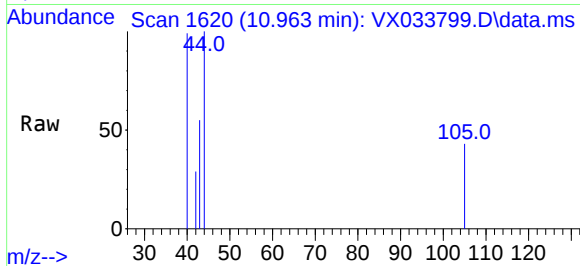
Tgt Ion:152 Resp: 109335
Ion Ratio Lower Upper
152 100
115 53.6 38.7 116.1
150 154.9 0.0 348.2



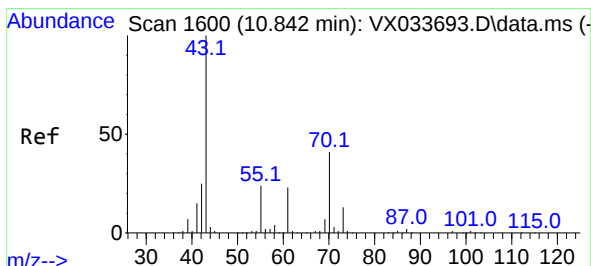
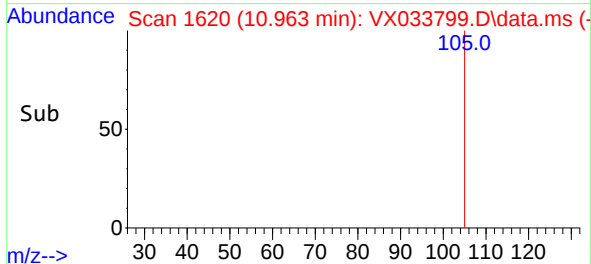
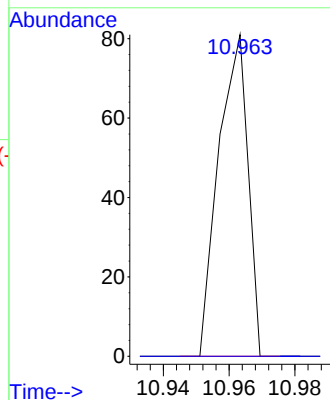


#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1567
Delta R.T. -0.001 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument : MSVOA_X
ClientSampleId :

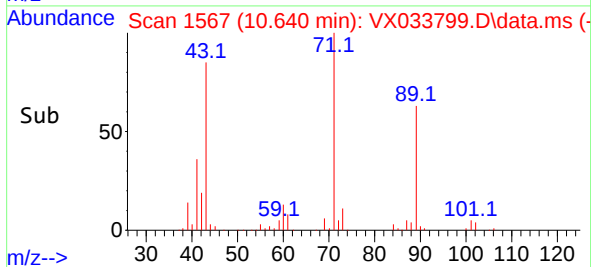
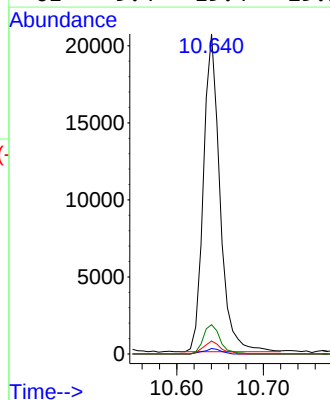
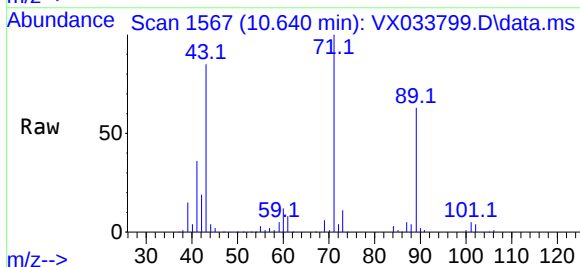


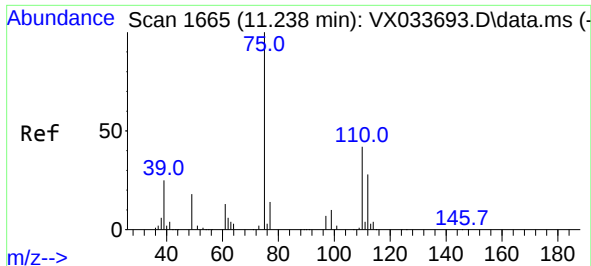
Tgt Ion:105 Resp: 50
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 9.504 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion: 43 Resp: 27287
Ion Ratio Lower Upper
43 100
70 1.7 34.8 52.2#
55 4.2 19.4 29.0#
61 9.4 19.4 29.2#

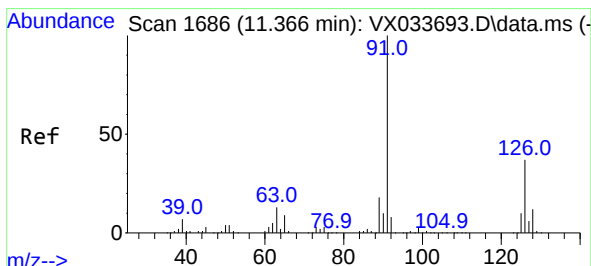
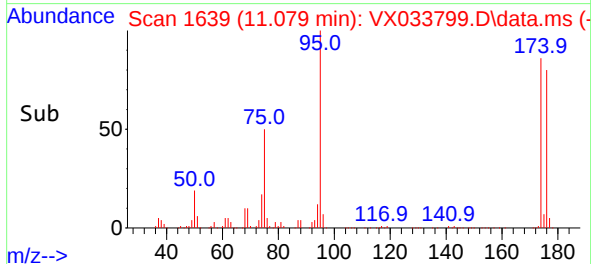
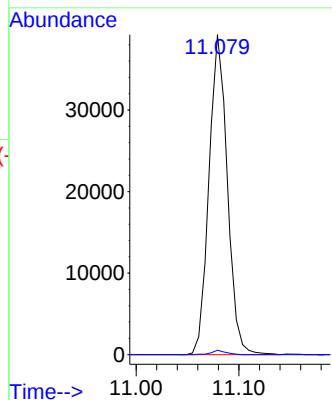
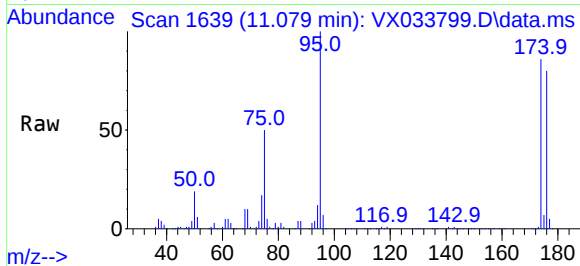




#76
1,2,3-Trichloropropane
Concen: 24.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

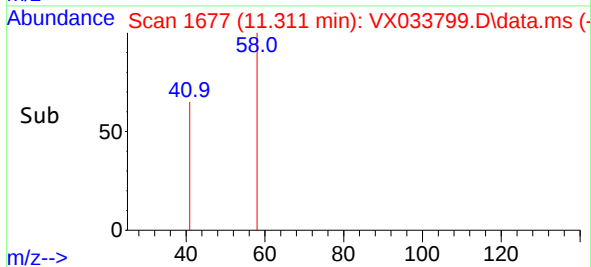
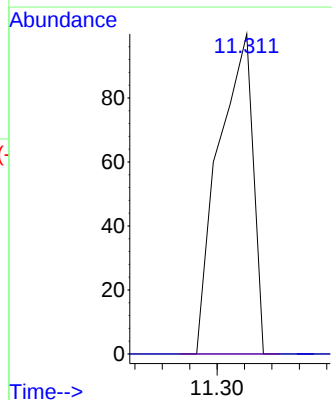
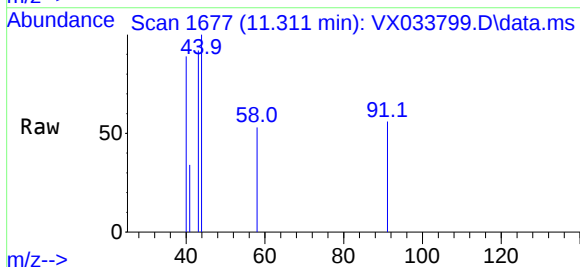
Instrument :
MSVOA_X
ClientSampleId :

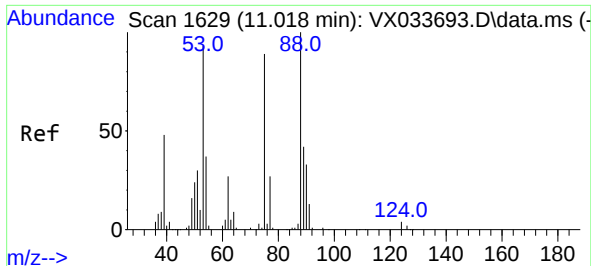
Tgt Ion: 75 Resp: 48808
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

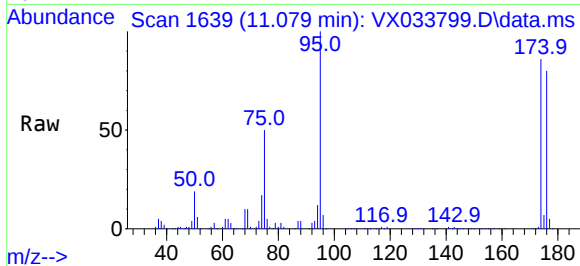
Tgt Ion: 91 Resp: 87
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



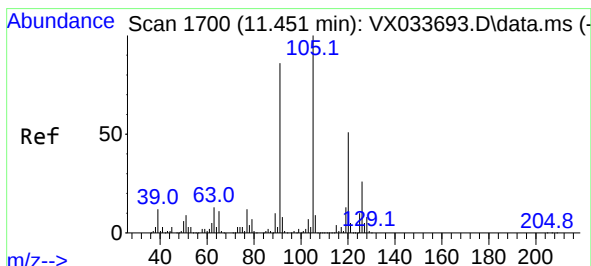
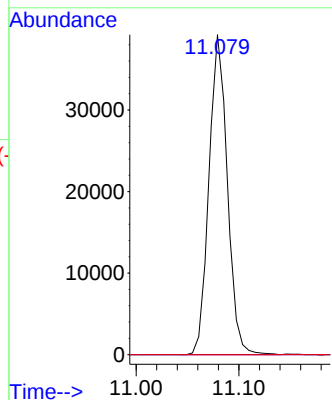
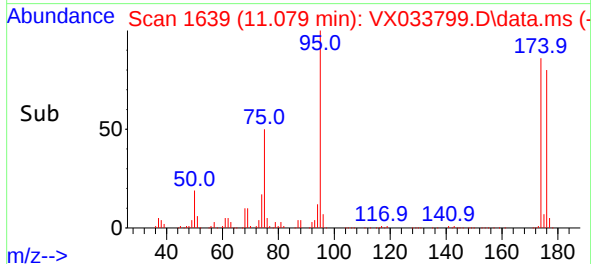


#81
trans-1,4-Dichloro-2-butene
Concen: 75.510 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 48808
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033799.D
Acq: 19 Jan 2023 14:24

Tgt Ion: 91 Resp: 165
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

