

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033803.D
 Acq On : 19 Jan 2023 15:57
 Operator : JC/MD
 Sample : PB150330ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 20 05:22:15 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)

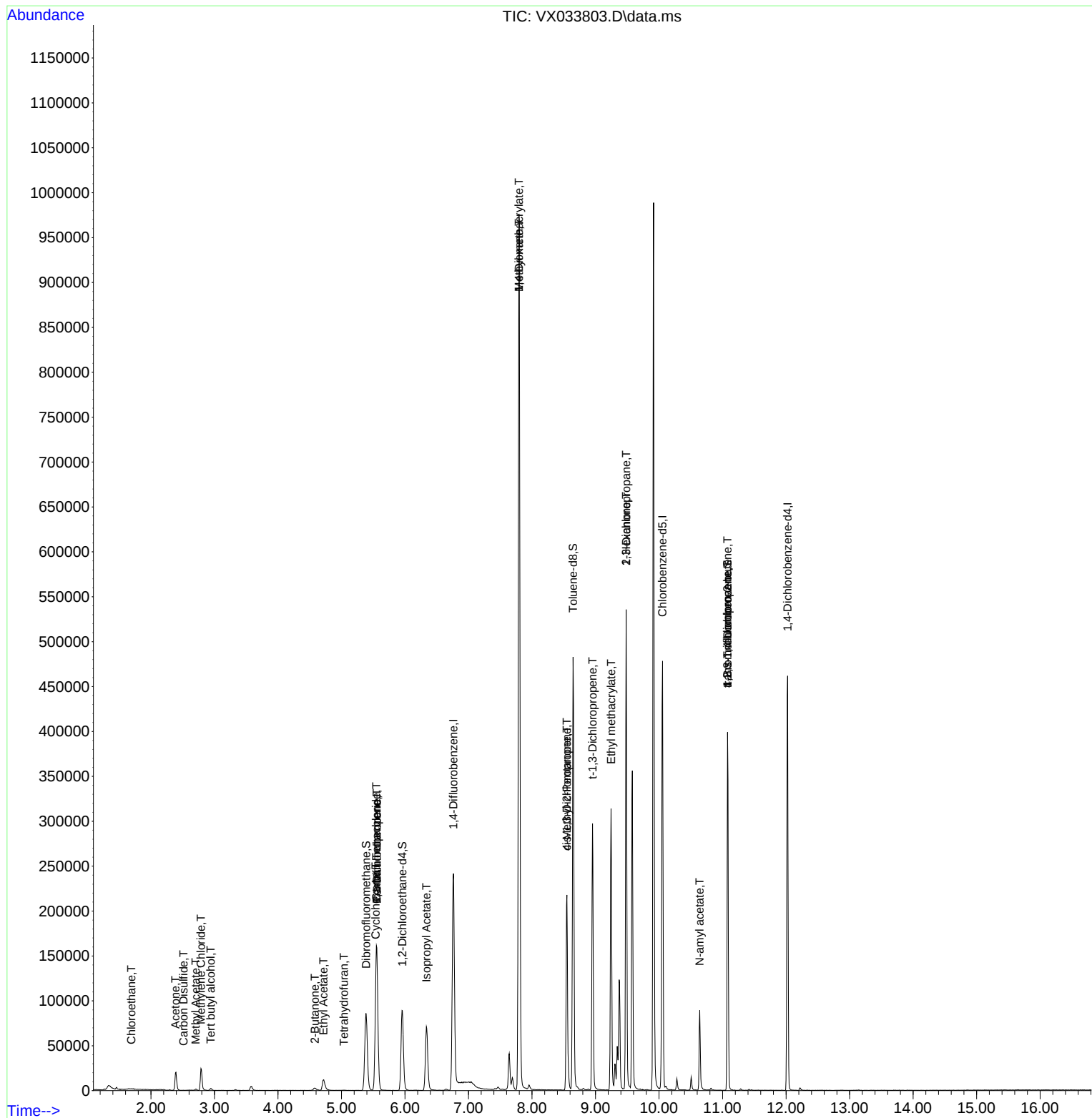
Internal Standards						
1) Pentafluorobenzene	5.556	168	172557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254600	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	110406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85961	47.313	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.620%		
35) Dibromofluoromethane	5.385	113	75469	47.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.480%		
50) Toluene-d8	8.647	98	287337	49.883	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.760%		
62) 4-Bromofluorobenzene	11.079	95	100648	47.062	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.120%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	258	0.285	ug/l #	42
11) Tert butyl alcohol	2.940	59	1408	4.461	ug/l #	86
16) Acetone	2.386	43	25601	27.760	ug/l	96
17) Carbon Disulfide	2.514	76	150	1.863	ug/l #	76
18) Methyl Acetate	2.703	43	2081	0.821	ug/l	99
20) Methylene Chloride	2.788	84	12030	5.379	ug/l	94
25) 2-Butanone	4.580	43	4601	3.876	ug/l	100
29) Tetrahydrofuran	5.038	42	371	0.496	ug/l #	44
31) Cyclohexane	5.538	56	1327	0.496	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	10685	4.631	ug/l #	49
37) Ethyl Acetate	4.715	43	21880	7.510	ug/l	98
38) Carbon Tetrachloride	5.550	117	14727	6.163	ug/l #	15
43) Isopropyl Acetate	6.336	43	100248	27.522	ug/l	99
48) Methyl methacrylate	7.793	41	83197	45.342	ug/l #	44
49) 1,4-Dioxane	7.793	88	120	2.957	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77716	34.741	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	637	0.281	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36443	14.341	ug/l #	60
56) Ethyl methacrylate	9.244	69	488	0.202	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4741	1.701	ug/l #	43
59) 2-Hexanone	9.482	43	62391	40.071	ug/l #	51
73) Isopropylbenzene	11.079	105	95	Below Cal	#	48
74) N-amyl acetate	10.640	43	23908	8.246	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	19	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	46932	23.136	ug/l #	34
79) 2-Chlorotoluene	11.305	91	23	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46932	71.903	ug/l #	8
82) 4-Chlorotoluene	11.451	91	69	Below Cal	#	43

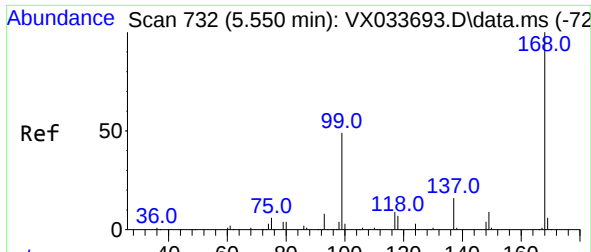
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
Data File : VX033803.D
Acq On : 19 Jan 2023 15:57
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Sample : PB150330ZHE#03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

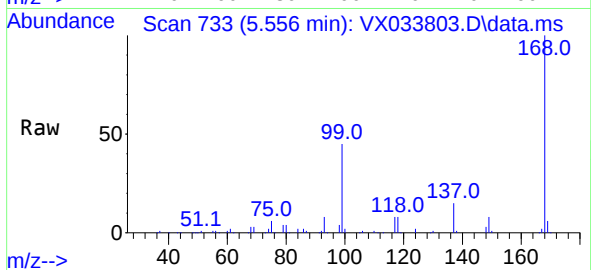
Quant Time: Jan 20 05:22:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



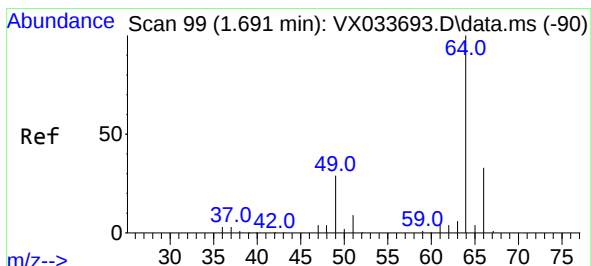
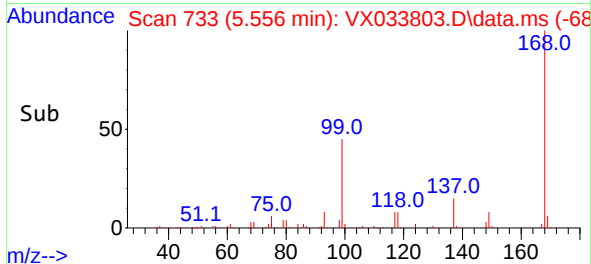
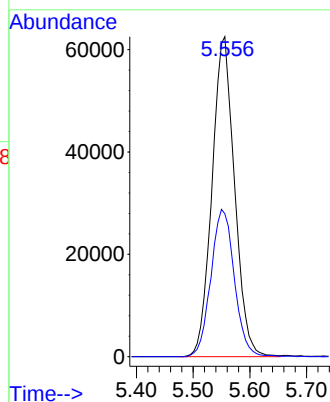


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

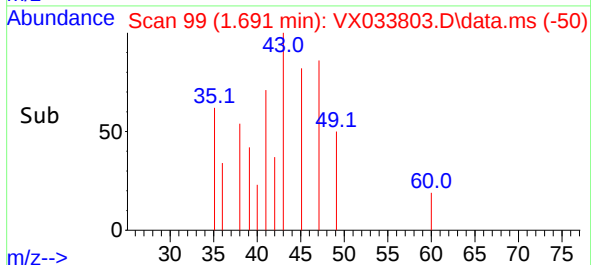
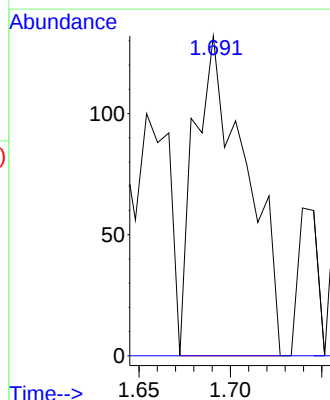
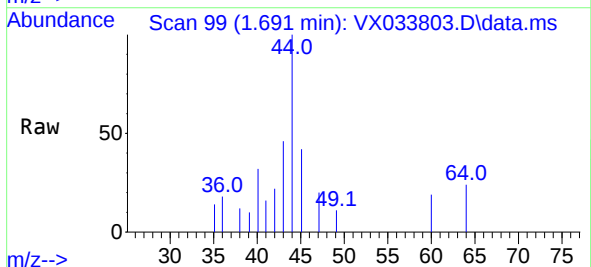


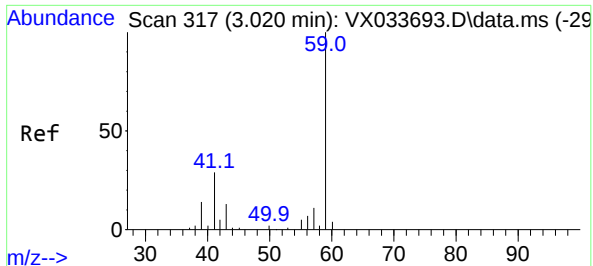
Tgt Ion:168 Resp: 172557
Ion Ratio Lower Upper
168 100
99 44.6 39.6 59.4



#6
Chloroethane
Concen: 0.285 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 64 Resp: 258
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 4.461 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.079 min

Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Instrument :

MSVOA_X

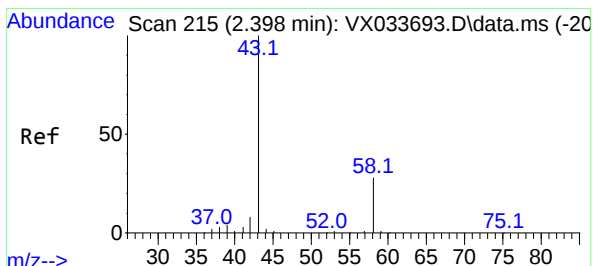
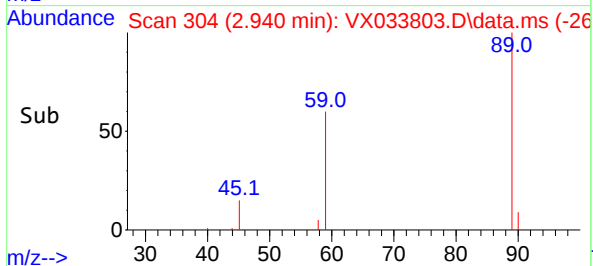
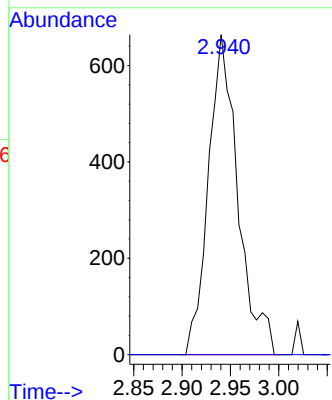
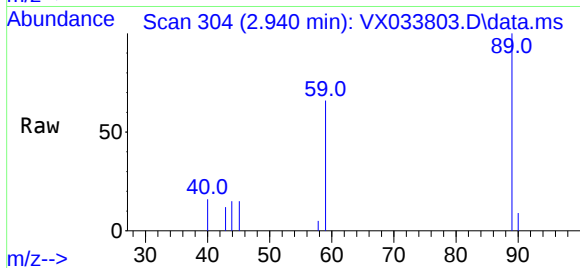
ClientSampleId :

Tgt Ion: 59 Resp: 1408

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 27.760 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX033803.D

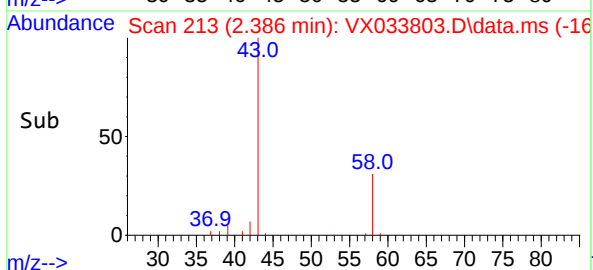
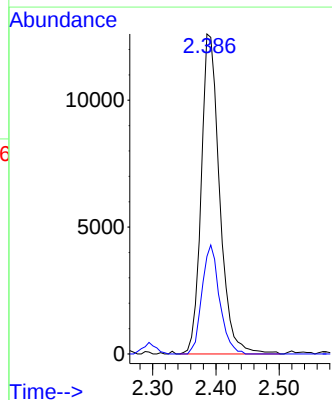
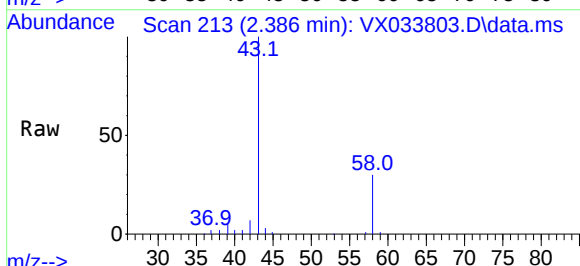
Acq: 19 Jan 2023 15:57

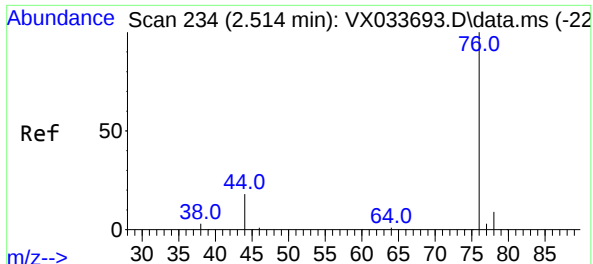
Tgt Ion: 43 Resp: 25601

Ion Ratio Lower Upper

43 100

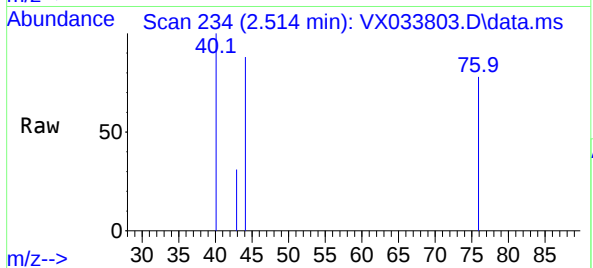
58 30.4 22.6 33.8



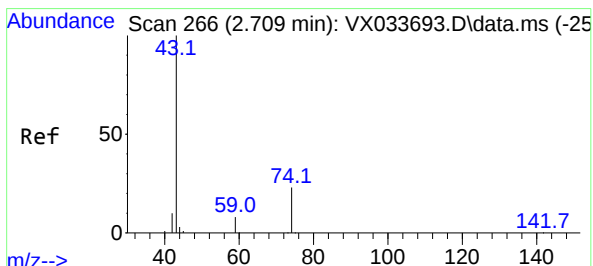
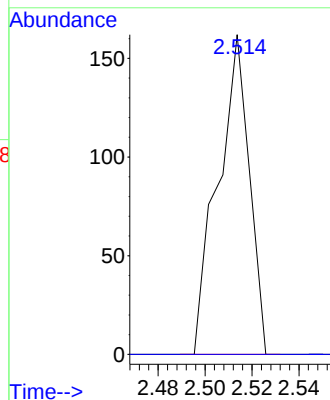
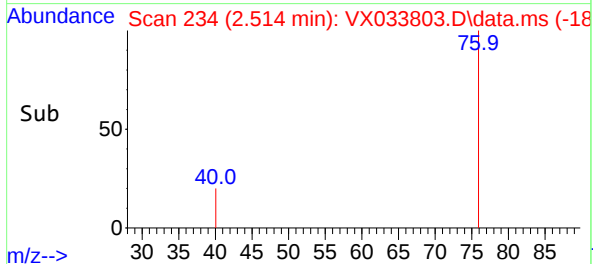


#17
Carbon Disulfide
Concen: 1.863 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

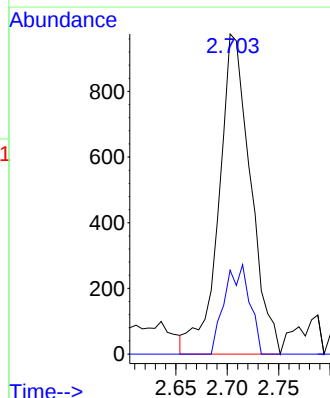
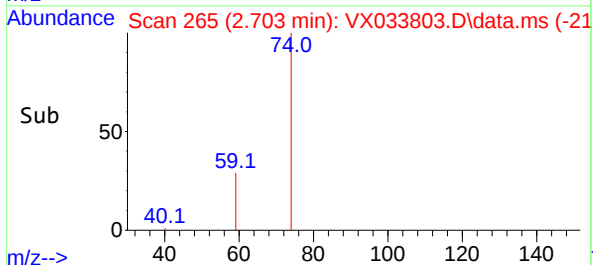
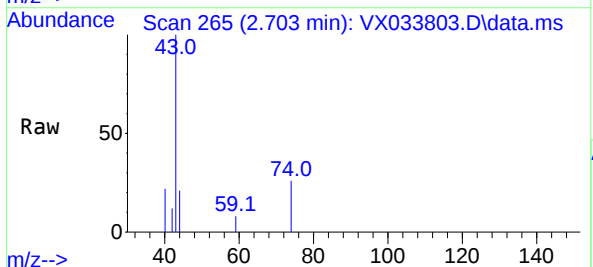


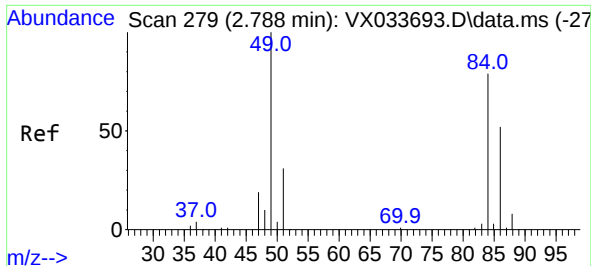
Tgt Ion: 76 Resp: 150
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
74 22.2 18.2 27.4





#20

Methylene Chloride

Concen: 5.379 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

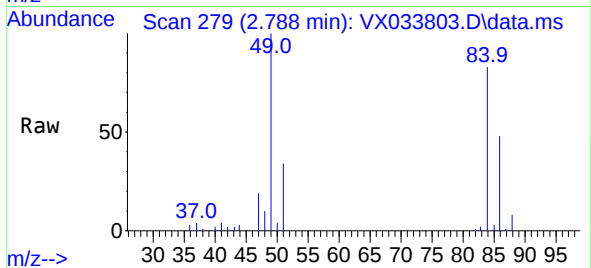
Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Instrument :

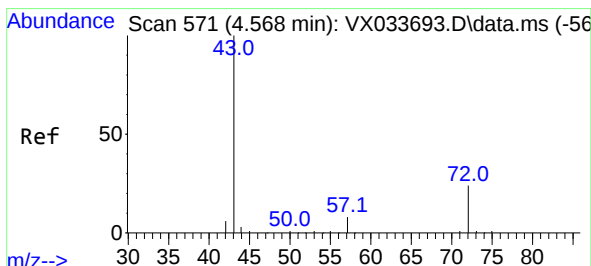
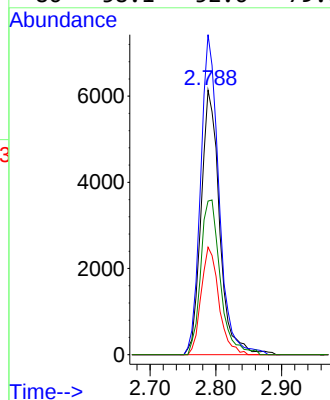
MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 12030

Ion	Ratio	Lower	Upper
84	100		
49	121.0	101.1	151.7
51	40.6	31.0	46.6
86	58.1	52.6	79.0



#25

2-Butanone

Concen: 3.876 ug/l

RT: 4.580 min Scan# 573

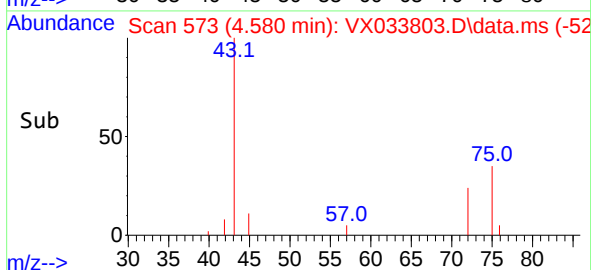
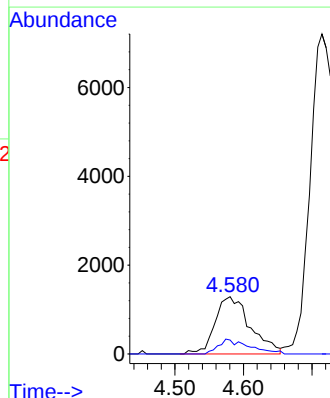
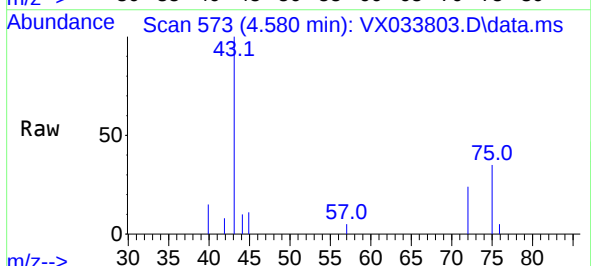
Delta R.T. 0.012 min

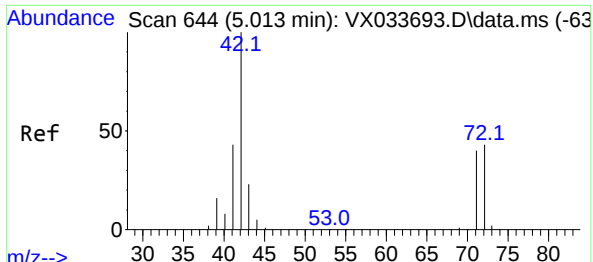
Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Tgt Ion: 43 Resp: 4601

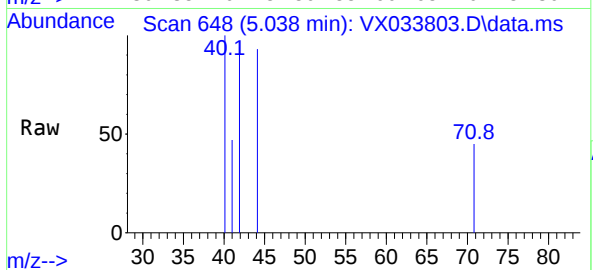
Ion	Ratio	Lower	Upper
43	100		
72	24.2	19.4	29.2



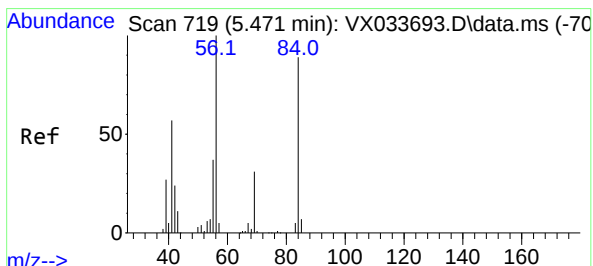
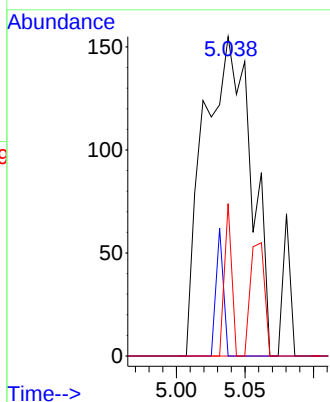
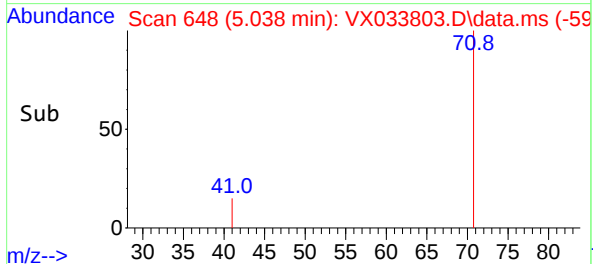


#29
Tetrahydrofuran
Concen: 0.496 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.024 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

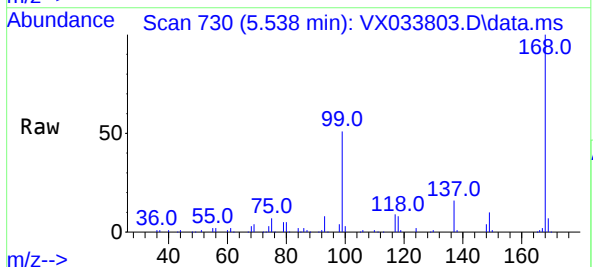
Instrument :
MSVOA_X
ClientSampleId :



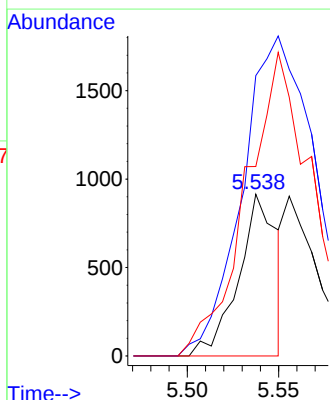
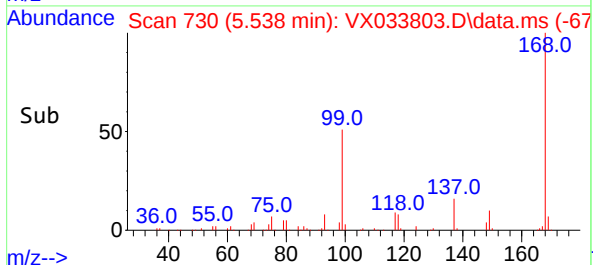
Tgt Ion: 42 Resp: 371
Ion Ratio Lower Upper
42 100
72 6.2 34.8 52.2#
71 7.3 32.2 48.2#

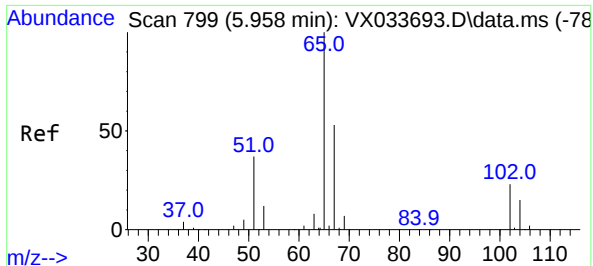


#31
Cyclohexane
Concen: 0.496 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57



Tgt Ion: 56 Resp: 1327
Ion Ratio Lower Upper
56 100
69 173.2 24.6 37.0#
84 117.0 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.313 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Instrument :

MSVOA_X

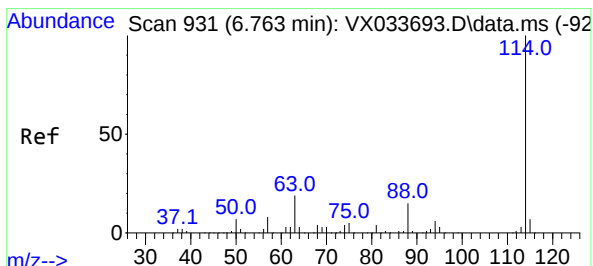
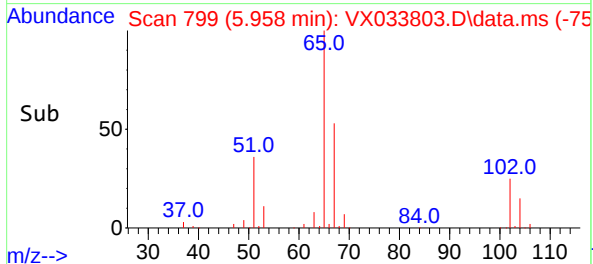
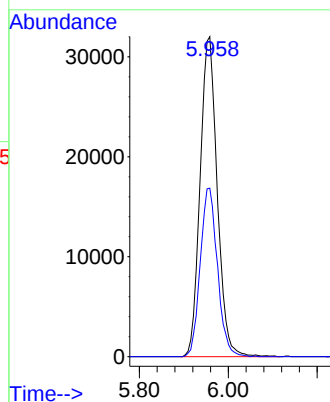
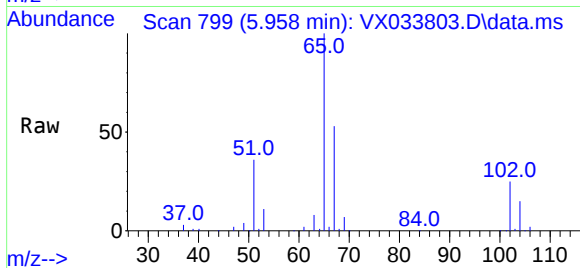
ClientSampleId :

Tgt Ion: 65 Resp: 85961

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

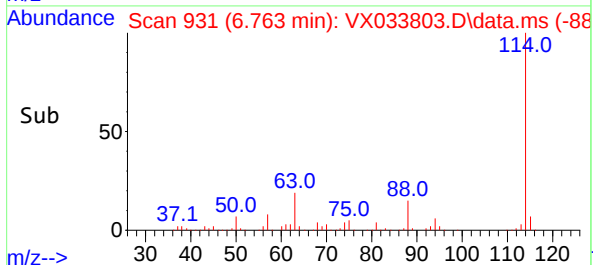
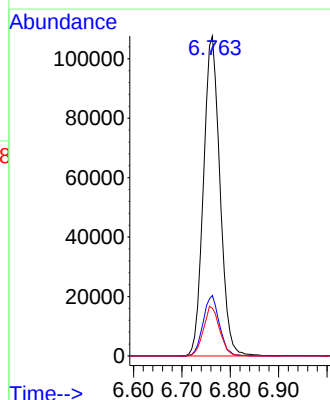
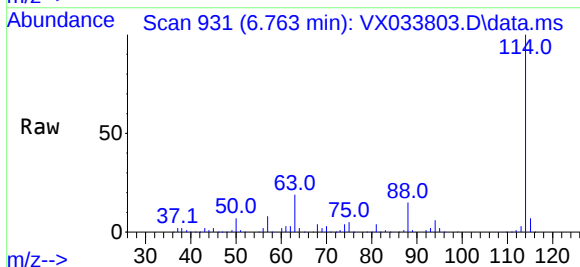
Tgt Ion: 114 Resp: 254600

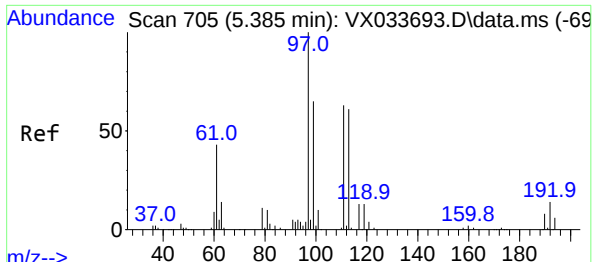
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

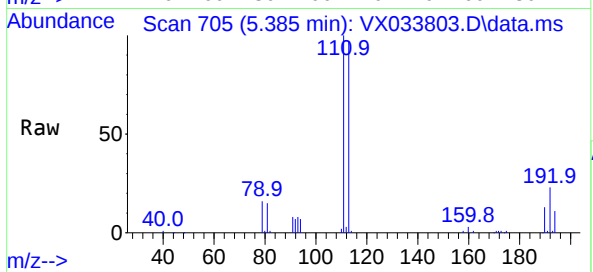
88 14.9 0.0 30.6



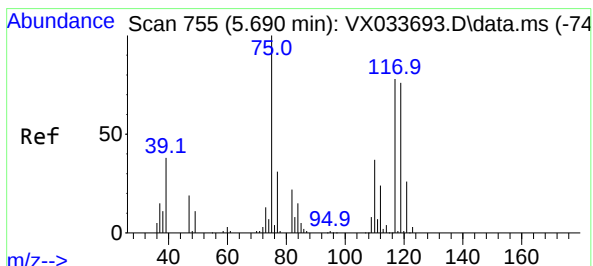
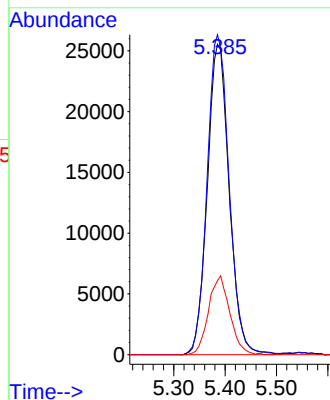
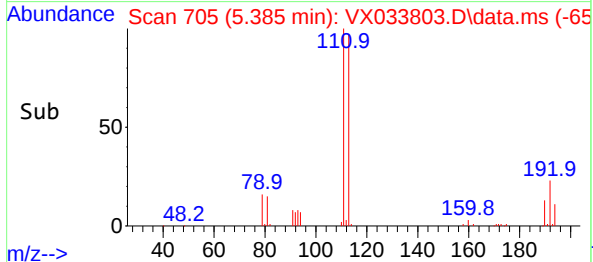


#35
Dibromofluoromethane
Concen: 47.737 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

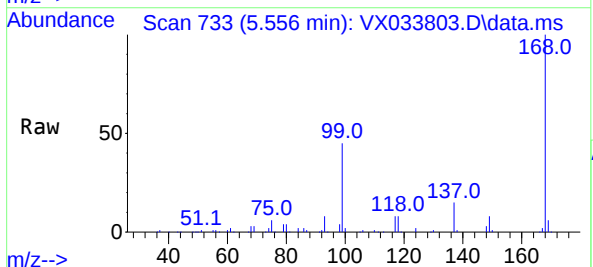
Instrument :
MSVOA_X
ClientSampleId :



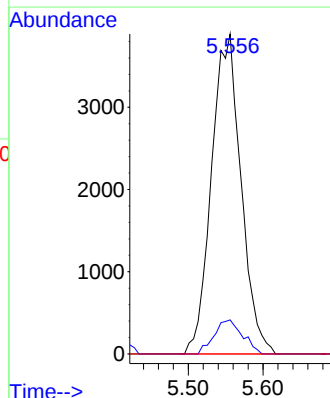
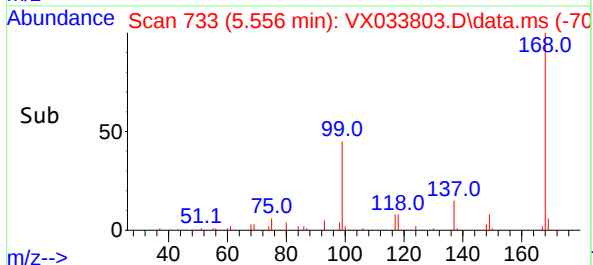
Tgt Ion:113 Resp: 75469
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.6
192 24.7 19.0 28.4

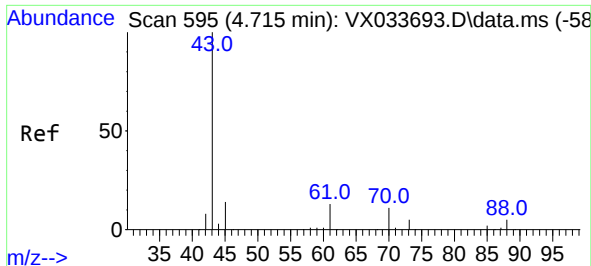


#36
1,1-Dichloropropene
Concen: 4.631 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57



Tgt Ion: 75 Resp: 10685
Ion Ratio Lower Upper
75 100
110 10.2 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.510 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

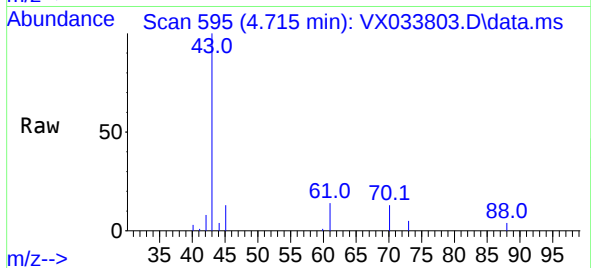
Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Instrument :

MSVOA_X

ClientSampleId :



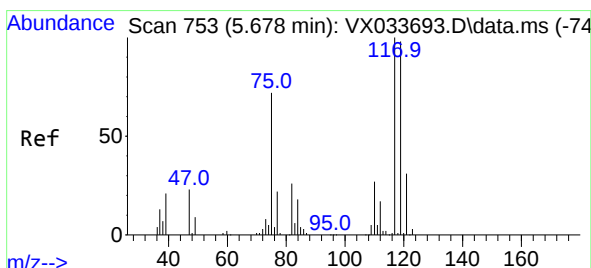
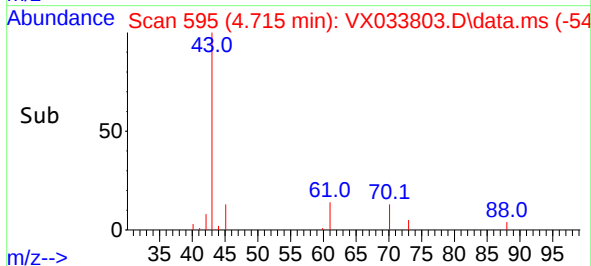
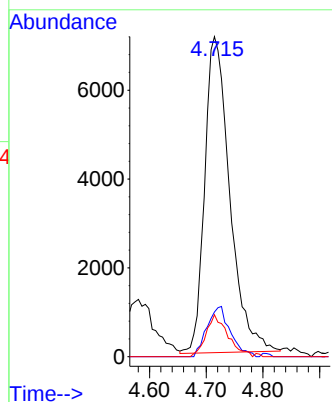
Tgt Ion: 43 Resp: 21880

Ion Ratio Lower Upper

43 100

61 14.7 11.1 16.7

70 11.5 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.163 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

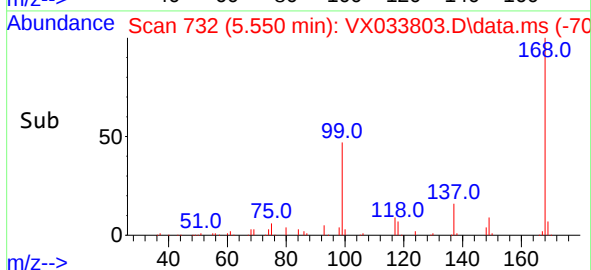
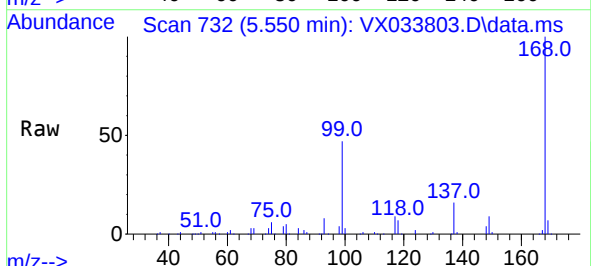
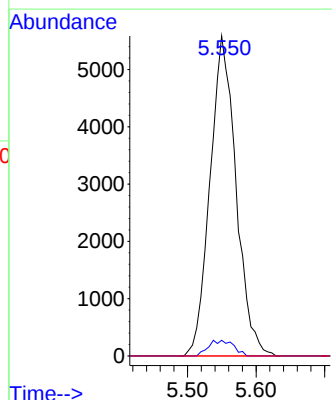
Tgt Ion: 117 Resp: 14727

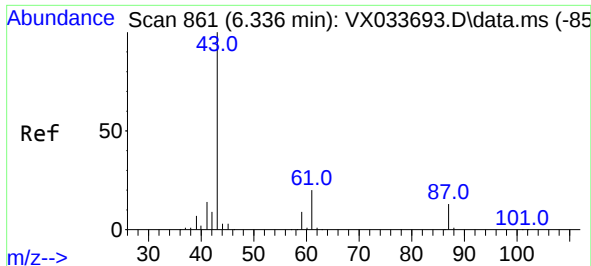
Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.4 36.6#

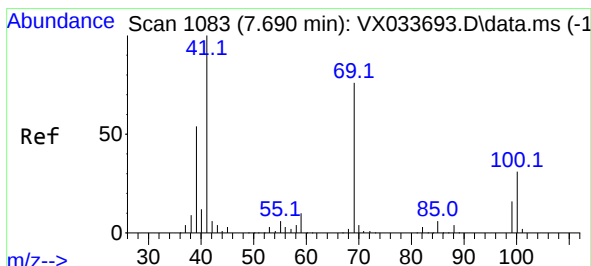
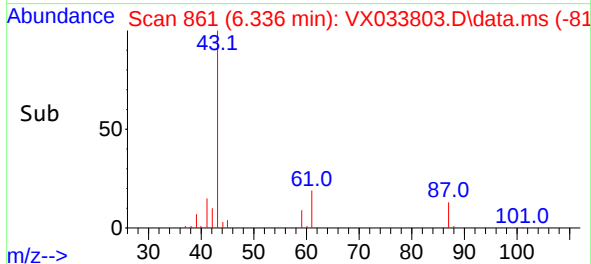
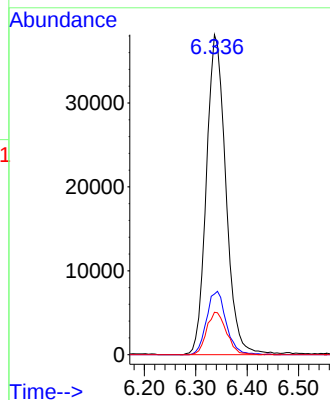
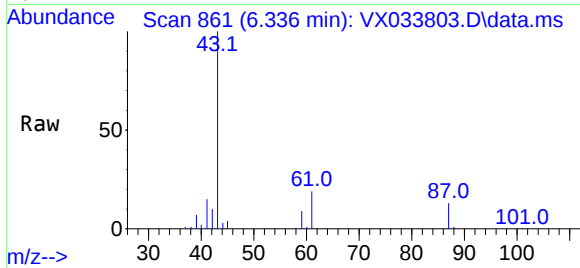




#43
Isopropyl Acetate
Concen: 27.522 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

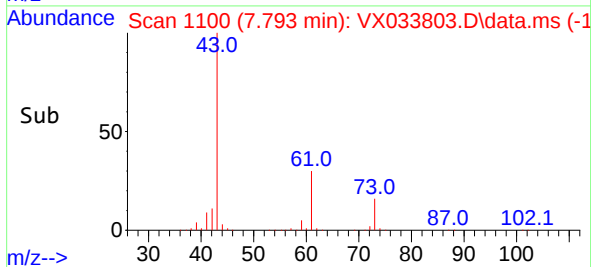
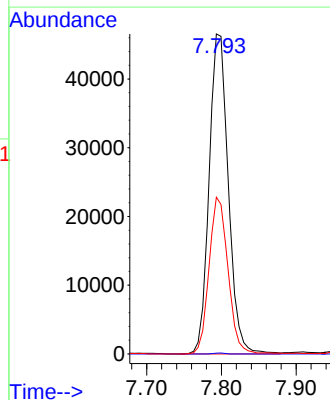
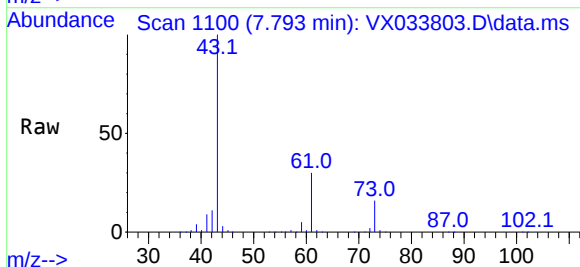
Instrument :
MSVOA_X
ClientSampleId :

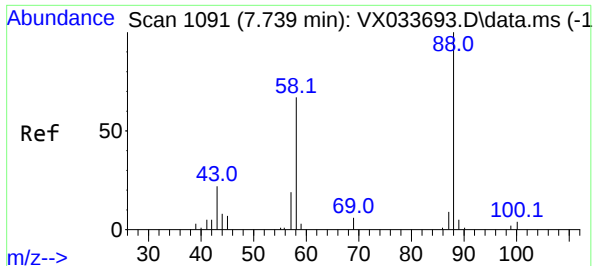
Tgt Ion: 43 Resp: 100248
Ion Ratio Lower Upper
43 100
61 20.0 15.7 23.5
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 45.342 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 41 Resp: 83197
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 48.5 43.2 64.8

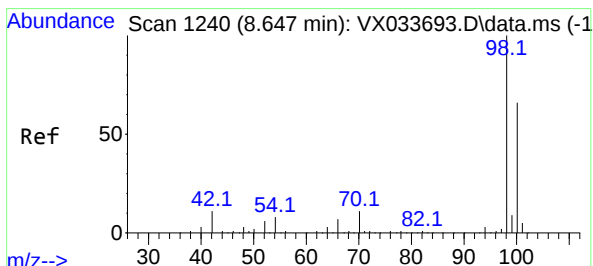
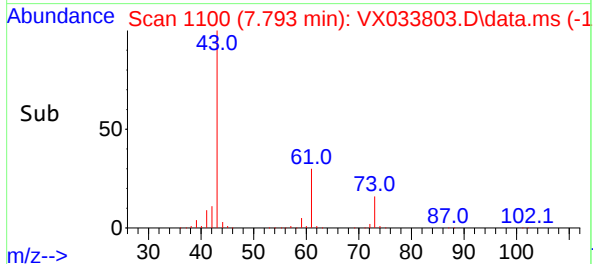
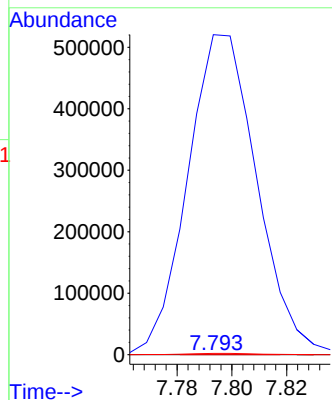
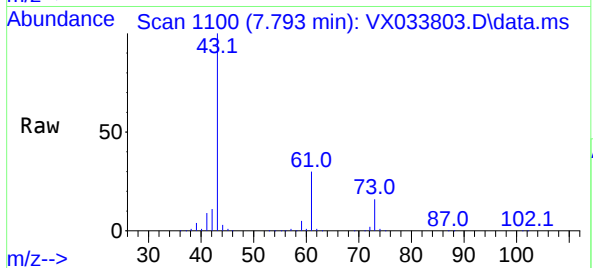




#49
1,4-Dioxane
Concen: 2.957 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

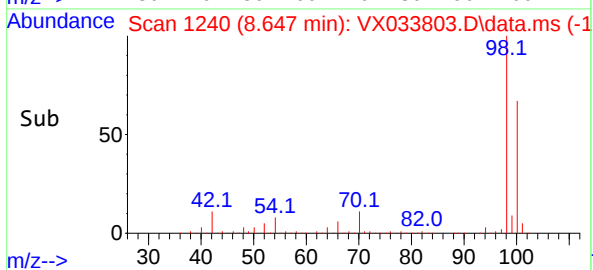
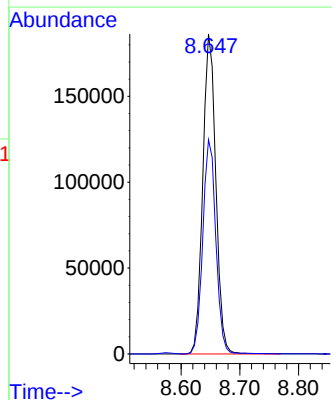
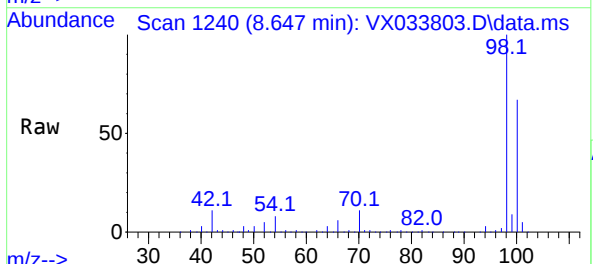
Instrument :
MSVOA_X
ClientSampleId :

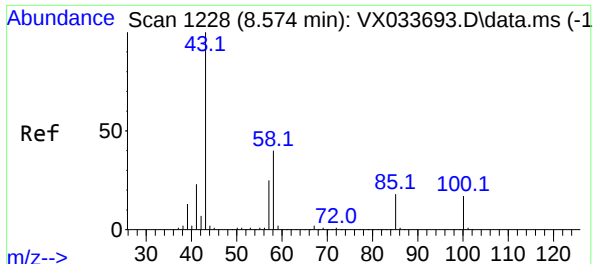
Tgt Ion: 88 Resp: 120
Ion Ratio Lower Upper
88 100
43 771344.2 0.0 0.0#
58 3244.2 56.5 84.7#



#50
Toluene-d8
Concen: 49.883 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 98 Resp: 287337
Ion Ratio Lower Upper
98 100
100 67.3 53.6 80.4

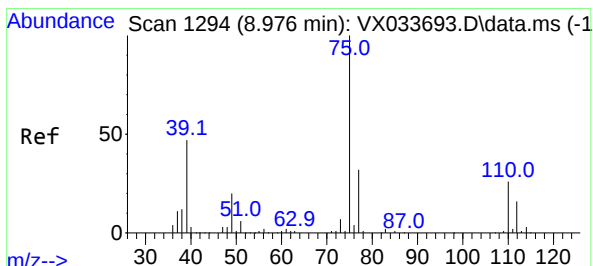
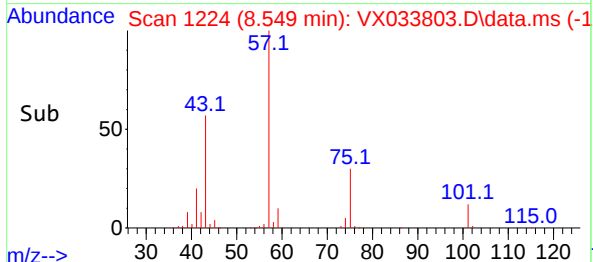
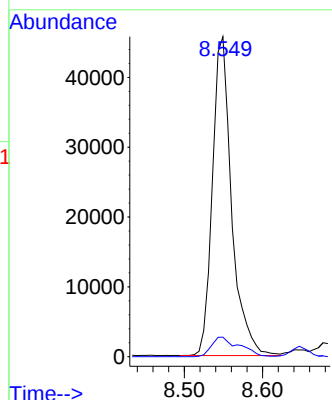
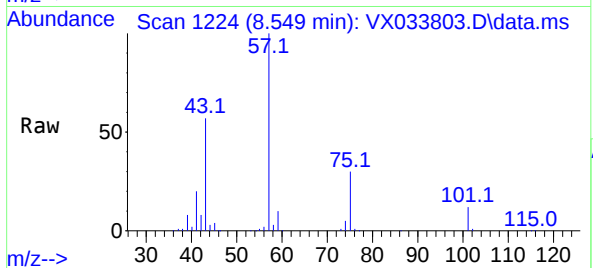




#51
4-Methyl-2-Pentanone
Concen: 34.741 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

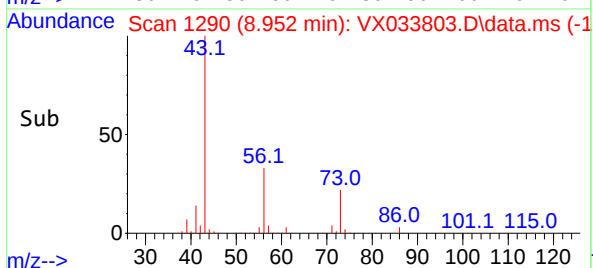
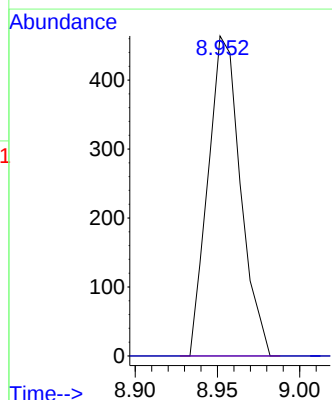
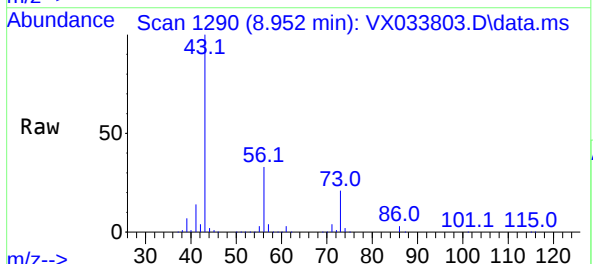
Instrument :
MSVOA_X
ClientSampleId :

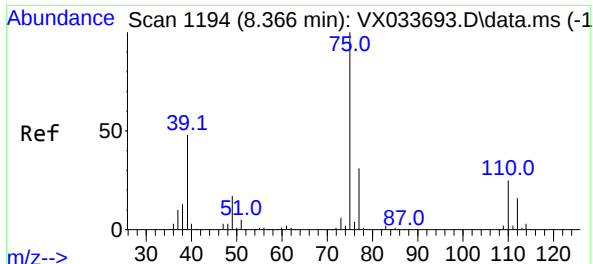
Tgt Ion: 43 Resp: 77716
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.281 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

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

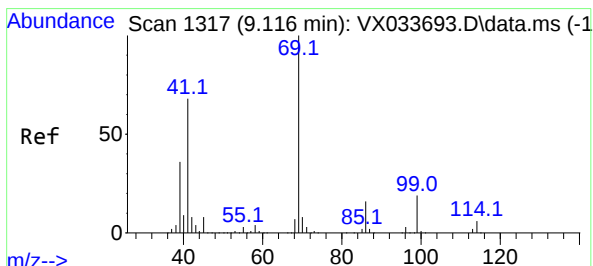
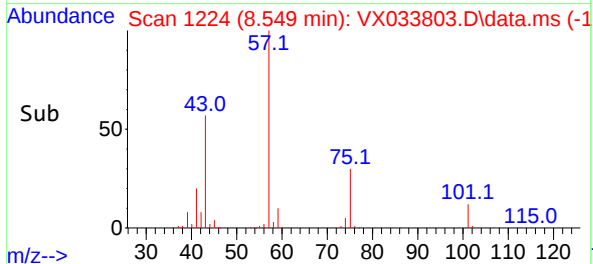
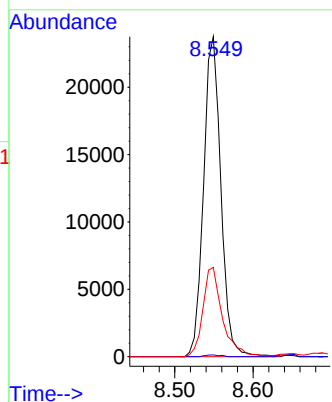
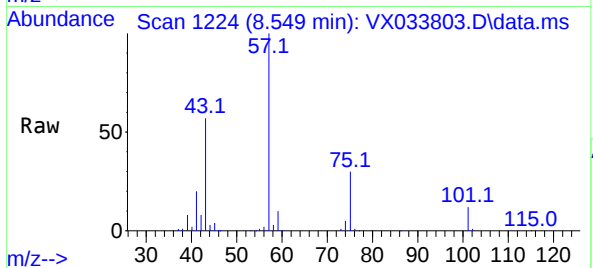




#54
cis-1,3-Dichloropropene
Concen: 14.341 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

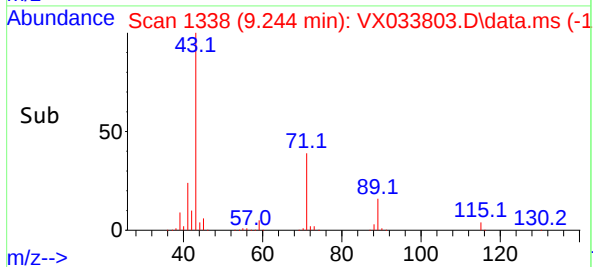
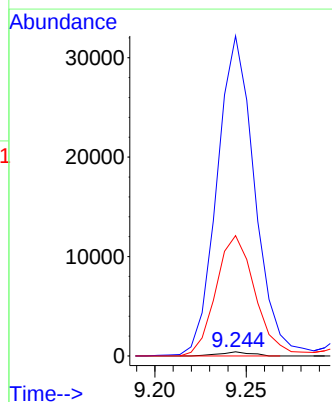
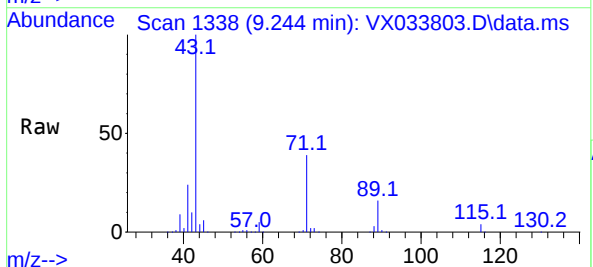
Instrument :
MSVOA_X
ClientSampleId :

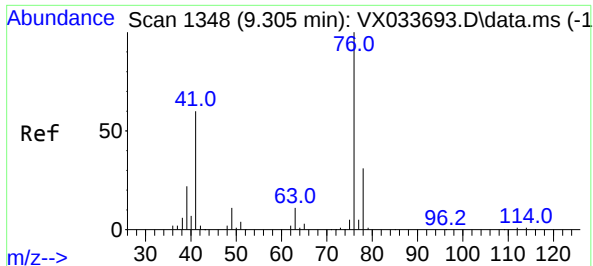
Tgt Ion: 75 Resp: 36443
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 27.9 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 69 Resp: 488
Ion Ratio Lower Upper
69 100
41 9522.7 55.1 82.7#
39 3737.3 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.701 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033803.D

Acq: 19 Jan 2023 15:57

Instrument :

MSVOA_X

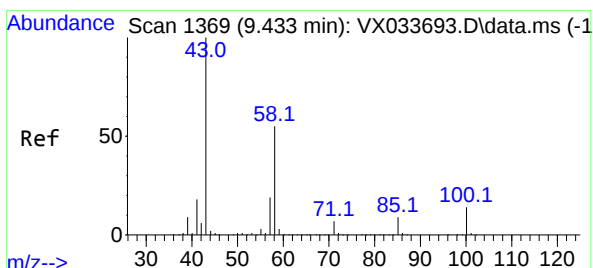
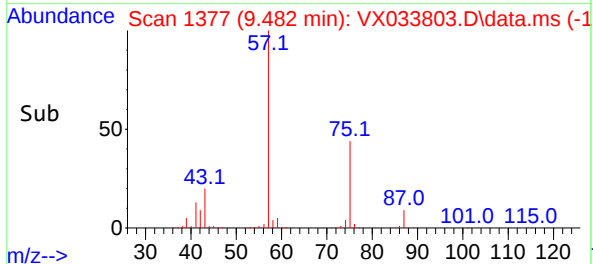
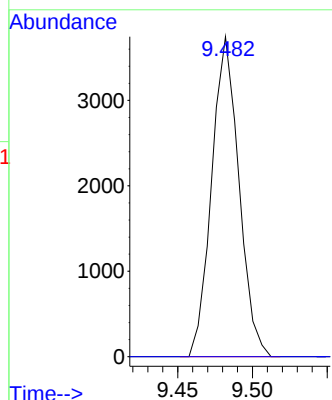
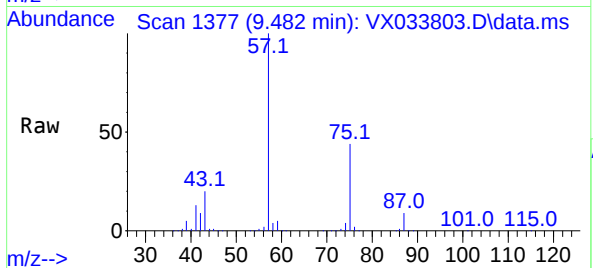
ClientSampleId :

Tgt Ion: 76 Resp: 4741

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 40.071 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033803.D

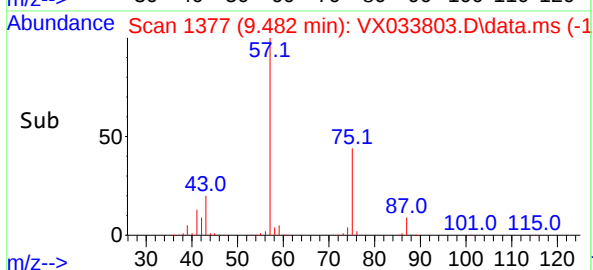
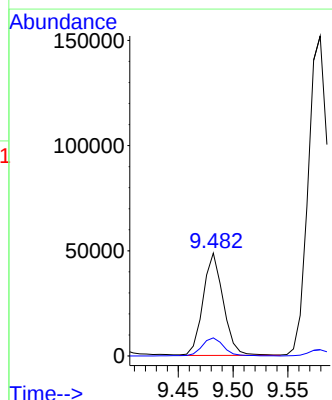
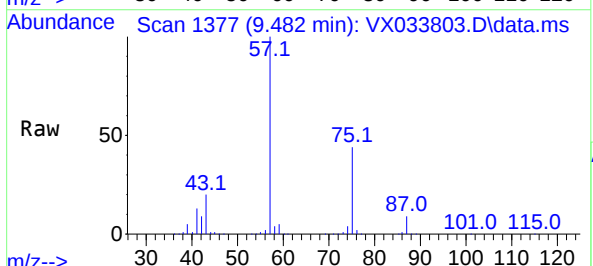
Acq: 19 Jan 2023 15:57

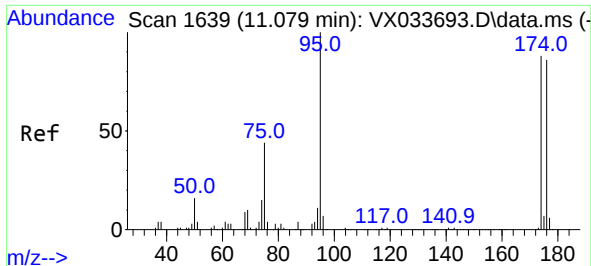
Tgt Ion: 43 Resp: 62391

Ion Ratio Lower Upper

43 100

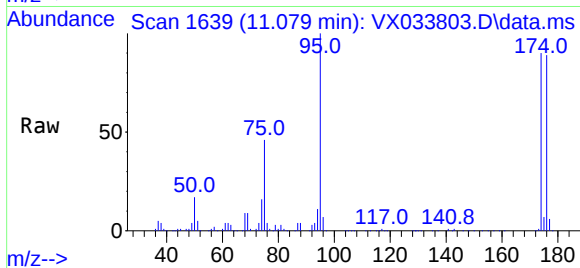
58 19.2 27.4 82.0#



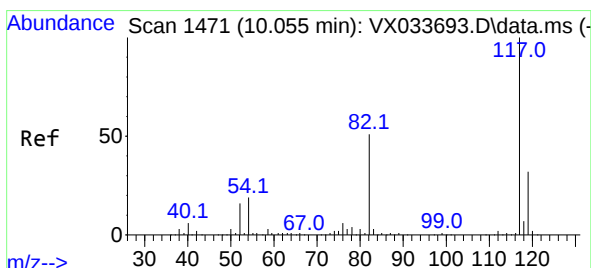
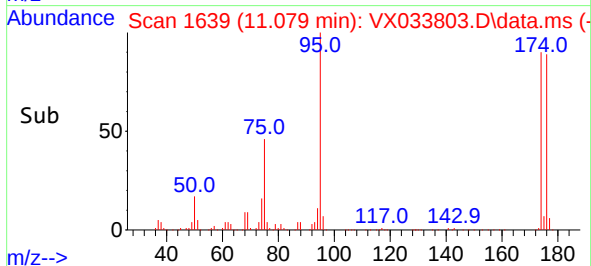
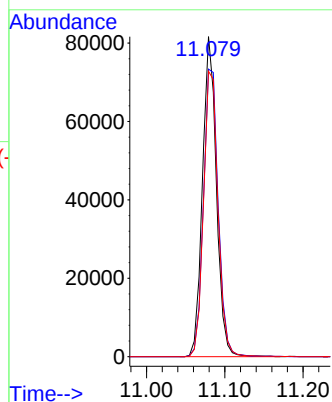


#62
4-Bromofluorobenzene
Concen: 47.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

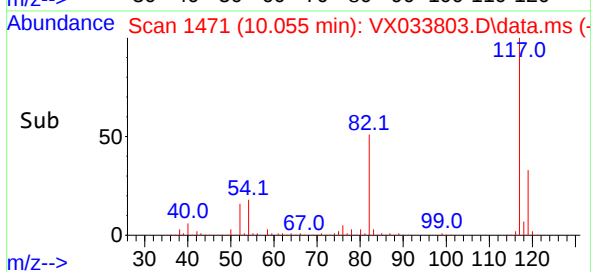
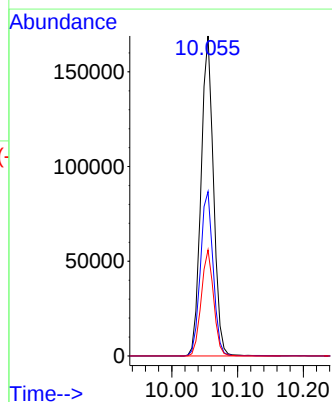
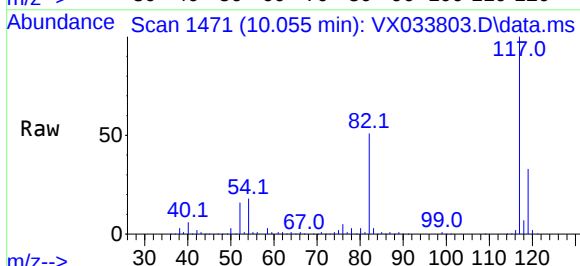


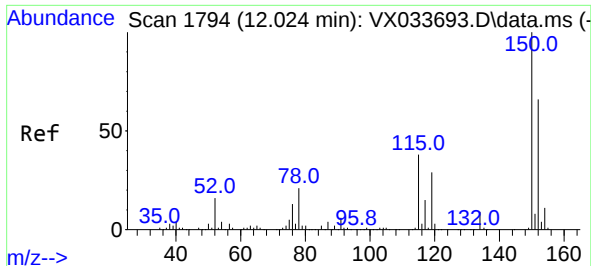
Tgt Ion: 95 Resp: 100648
Ion Ratio Lower Upper
95 100
174 95.4 0.0 184.4
176 92.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

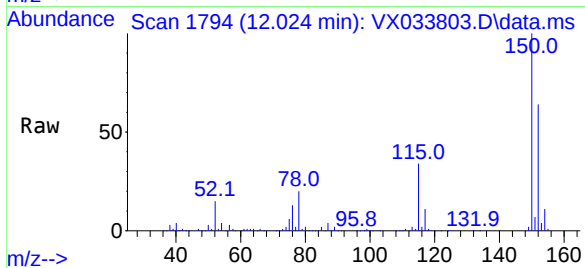
Tgt Ion: 117 Resp: 222309
Ion Ratio Lower Upper
117 100
82 51.3 40.6 60.8
119 33.1 25.6 38.4



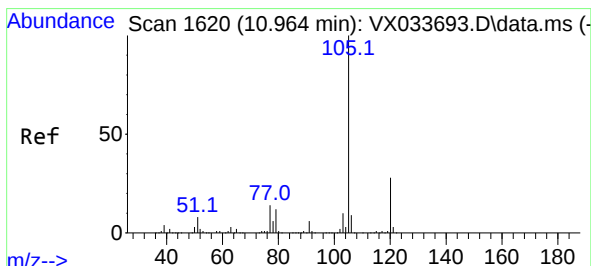
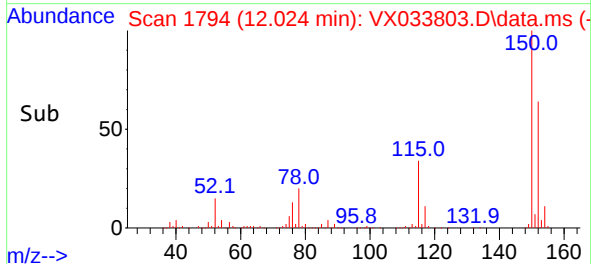
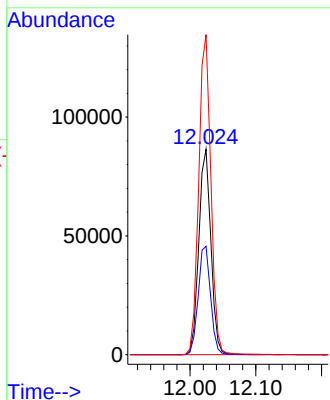


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

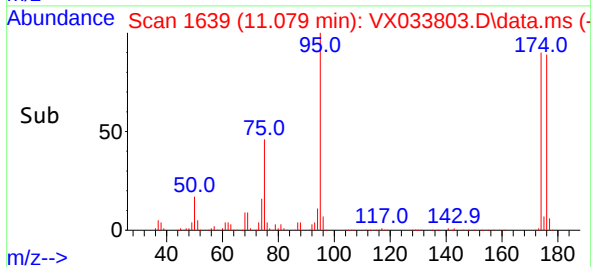
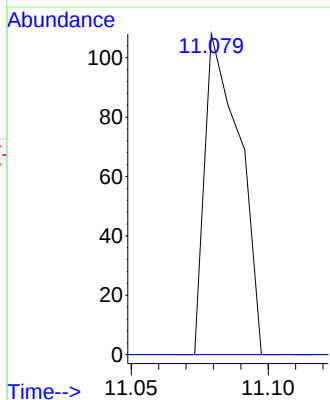
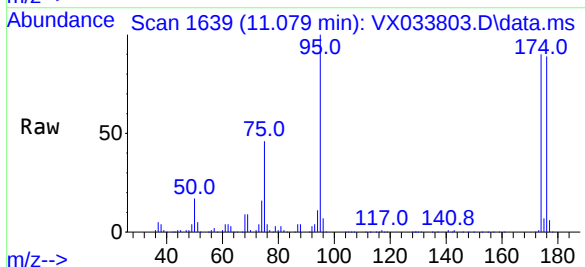


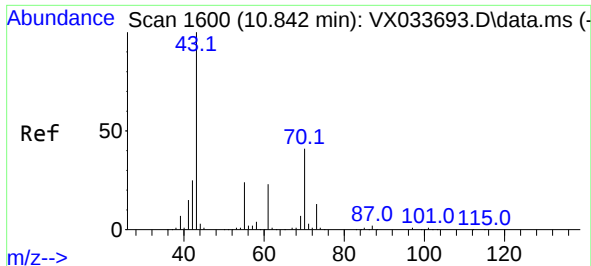
Tgt Ion:152 Resp: 110406
Ion Ratio Lower Upper
152 100
115 54.0 38.7 116.1
150 156.1 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

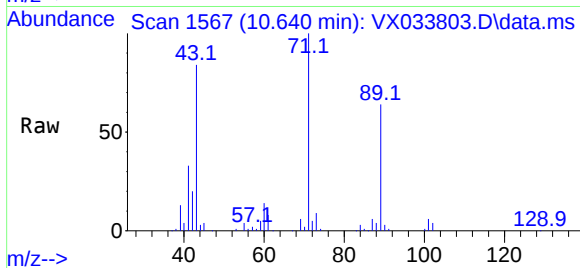
Tgt Ion:105 Resp: 95
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



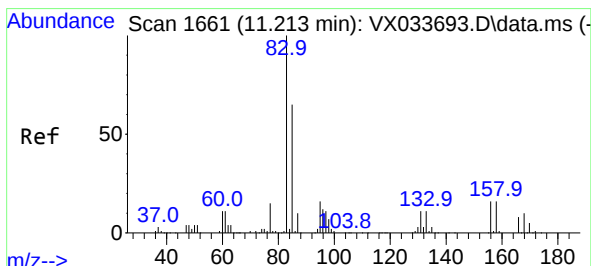
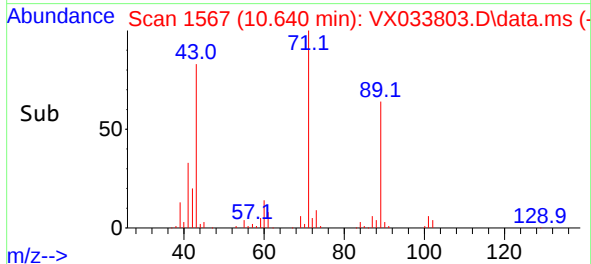
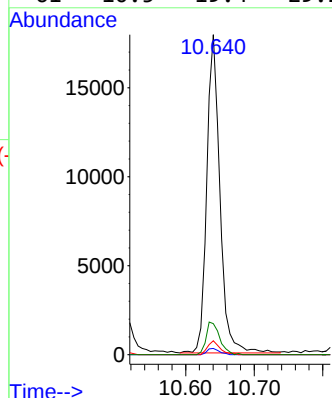


#74
N-amy1 acetate
Concen: 8.246 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :

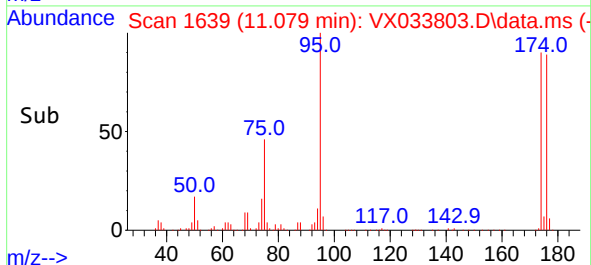
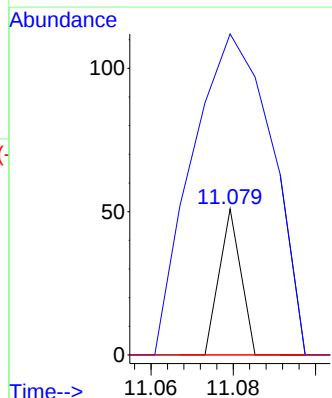
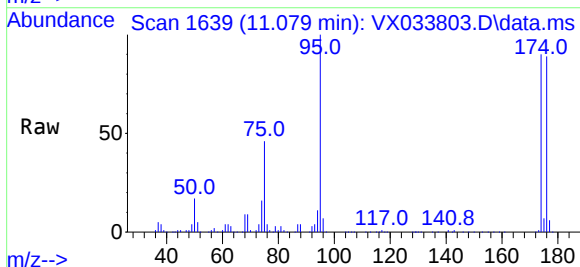


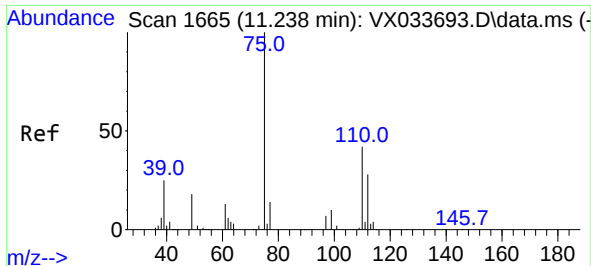
Tgt Ion: 43 Resp: 23908
Ion Ratio Lower Upper
43 100
70 1.8 34.8 52.2#
55 4.1 19.4 29.0#
61 10.5 19.4 29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 83 Resp: 19
Ion Ratio Lower Upper
83 100
131 794.7 5.5 16.7#
85 0.0 32.3 96.9#

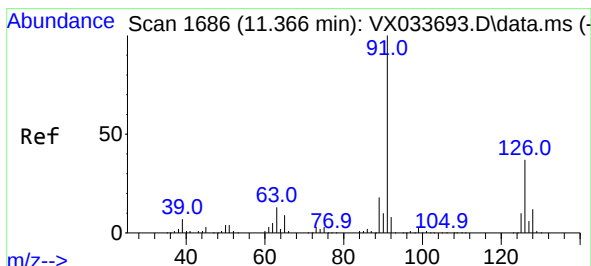
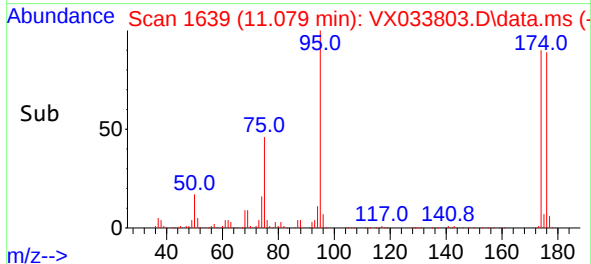
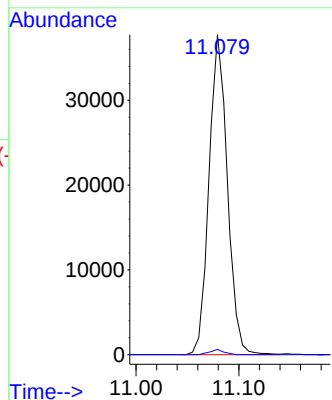
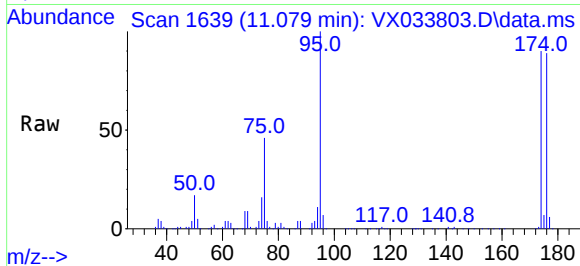




#76
1,2,3-Trichloropropane
Concen: 23.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

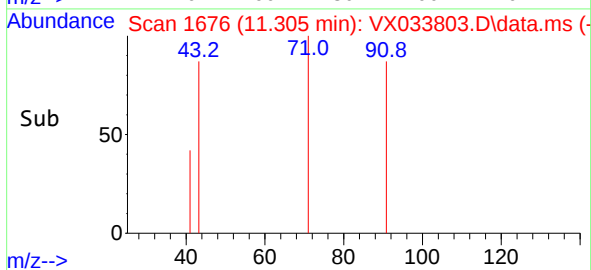
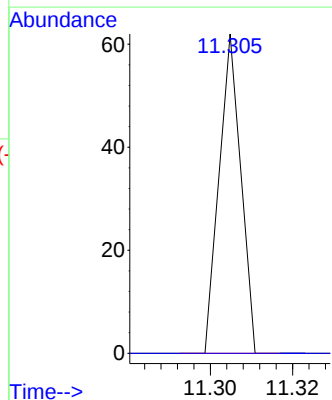
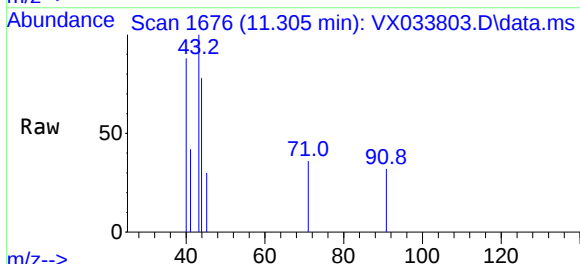
Instrument :
MSVOA_X
ClientSampleId :

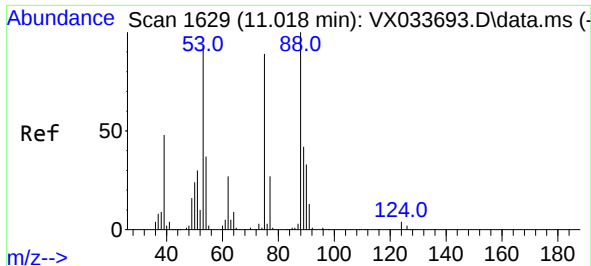
Tgt Ion: 75 Resp: 46932
Ion Ratio Lower Upper
75 100
77 1.3 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

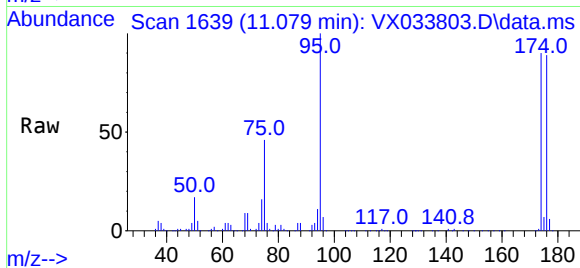
Tgt Ion: 91 Resp: 23
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



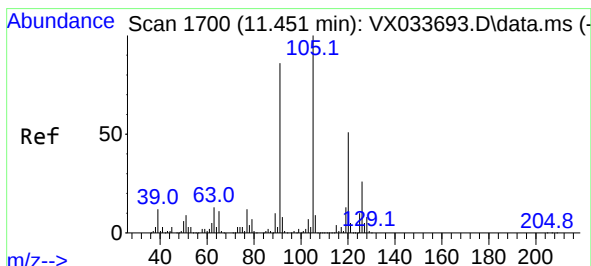
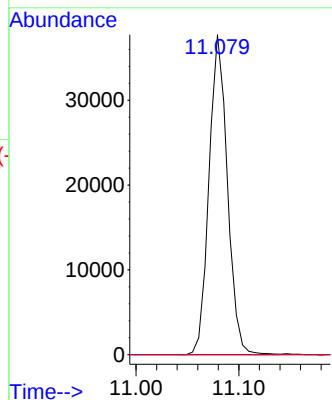
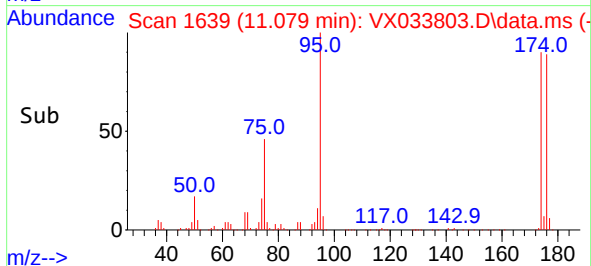


#81
trans-1,4-Dichloro-2-butene
Concen: 71.903 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 46932
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: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033803.D
Acq: 19 Jan 2023 15:57

Tgt Ion: 91 Resp: 69
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

