

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033798.D
 Acq On : 19 Jan 2023 14:01
 Operator : JC/MD
 Sample : PB150330ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

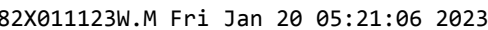
Instrument :
 MSVOA_X
 ClientSampleId :

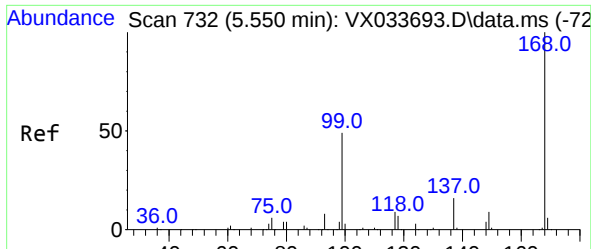
Quant Time: Jan 20 05:21:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	171647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99563	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83474	46.188	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.380%
35) Dibromofluoromethane	5.385	113	75137	48.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.260%
50) Toluene-d8	8.647	98	282250	50.139	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.280%
62) 4-Bromofluorobenzene	11.079	95	94299	45.118	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.240%
Target Compounds						
					Qvalue	
3) Chloromethane	1.337	50	629	0.416	ug/l #	43
11) Tert butyl alcohol	3.008	59	89	0.283	ug/l #	86
16) Acetone	2.392	43	25731	28.185	ug/l	91
17) Carbon Disulfide	2.514	76	313	1.908	ug/l #	76
18) Methyl Acetate	2.703	43	2022	0.802	ug/l	97
20) Methylene Chloride	2.788	84	11988	5.394	ug/l	95
25) 2-Butanone	4.580	43	4643	3.932	ug/l	95
29) Tetrahydrofuran	5.026	42	151	0.203	ug/l #	34
31) Cyclohexane	5.550	56	2490	0.936	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10129	4.492	ug/l #	49
37) Ethyl Acetate	4.715	43	21699	7.665	ug/l	99
38) Carbon Tetrachloride	5.550	117	14660	6.277	ug/l #	15
43) Isopropyl Acetate	6.336	43	99636	27.989	ug/l	100
48) Methyl methacrylate	7.799	41	82786	46.167	ug/l #	44
49) 1,4-Dioxane	7.799	88	173	4.362	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	76525	35.003	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	720	0.325	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35372	14.243	ug/l #	61
56) Ethyl methacrylate	9.244	69	561	0.237	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4590	1.685	ug/l #	43
59) 2-Hexanone	9.482	43	62761	41.245	ug/l #	50
73) Isopropylbenzene	10.963	105	44	Below Cal	#	48
74) N-amyl acetate	10.640	43	23732	9.077	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	59	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	45033	24.617	ug/l #	34
79) 2-Chlorotoluene	11.317	91	140	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45033	76.508	ug/l #	8
82) 4-Chlorotoluene	11.457	91	187	Below Cal	#	43

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

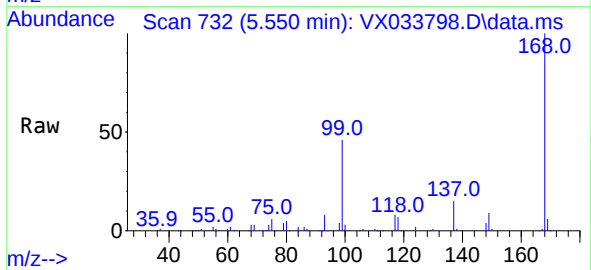
Quant Time: Jan 20 05:21:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



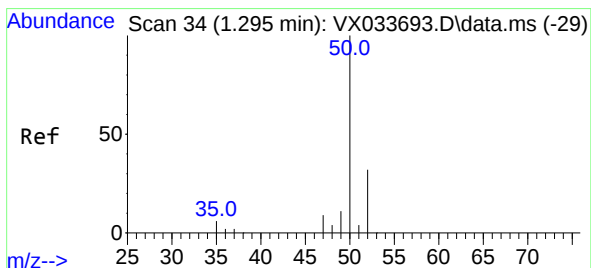
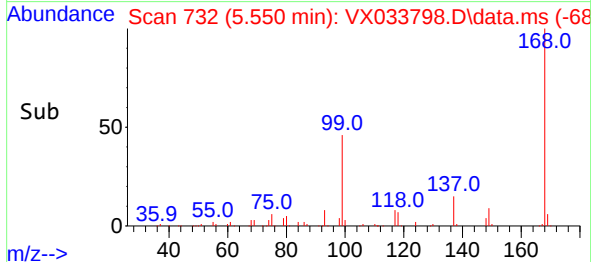
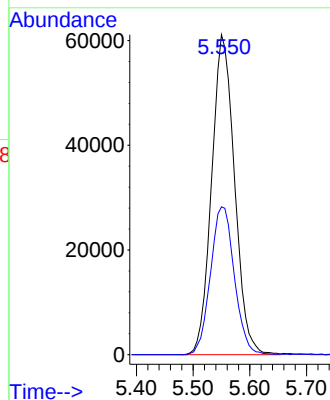


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

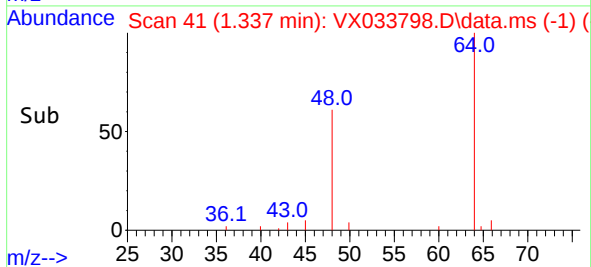
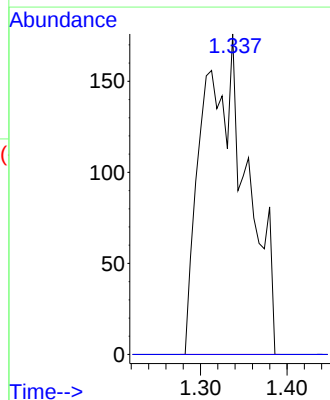
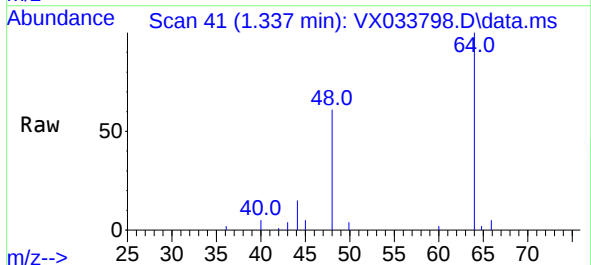


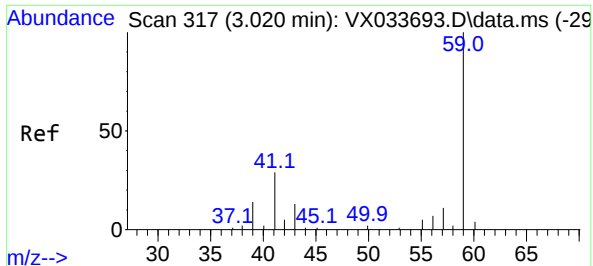
Tgt Ion:168 Resp: 171647
Ion Ratio Lower Upper
168 100
99 46.2 39.6 59.4



#3
Chloromethane
Concen: 0.416 ug/l
RT: 1.337 min Scan# 41
Delta R.T. 0.042 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 50 Resp: 629
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 0.283 ug/l

RT: 3.008 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX033798.D

Acq: 19 Jan 2023 14:01

Instrument :

MSVOA_X

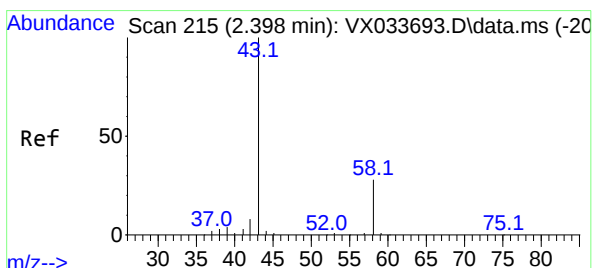
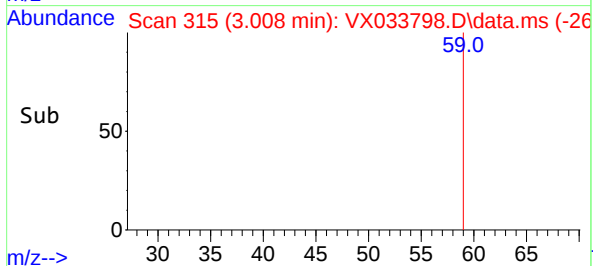
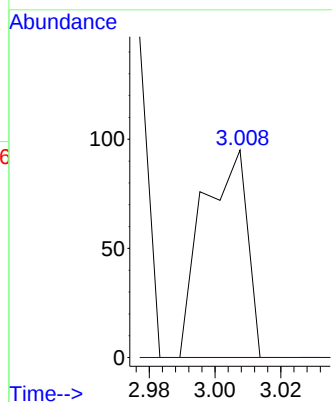
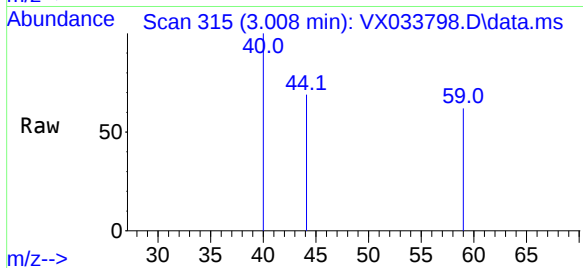
ClientSampleId :

Tgt Ion: 59 Resp: 89

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 28.185 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033798.D

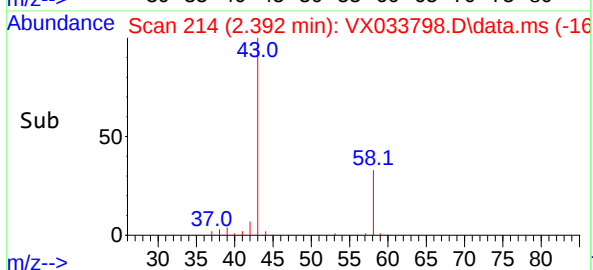
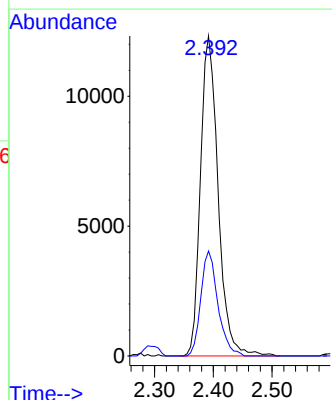
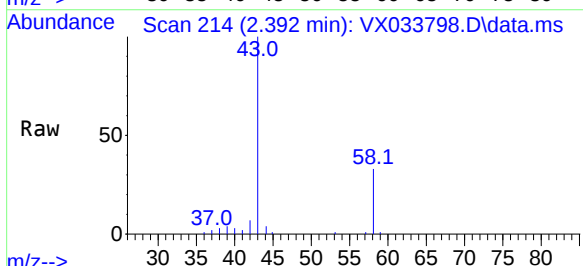
Acq: 19 Jan 2023 14:01

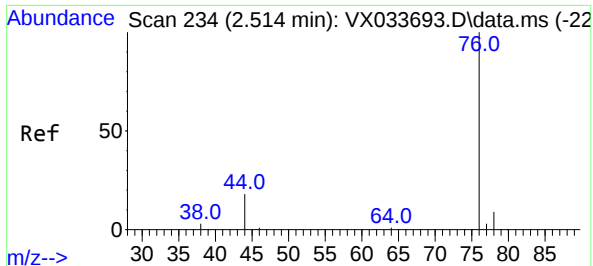
Tgt Ion: 43 Resp: 25731

Ion Ratio Lower Upper

43 100

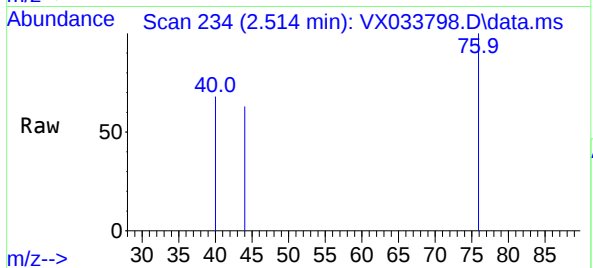
58 32.8 22.6 33.8



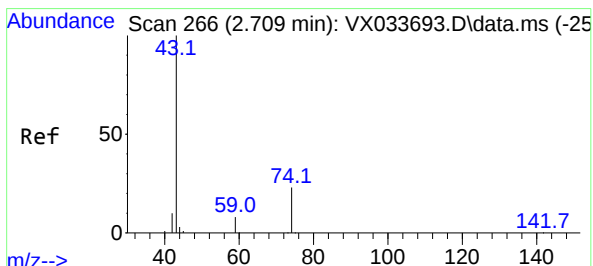
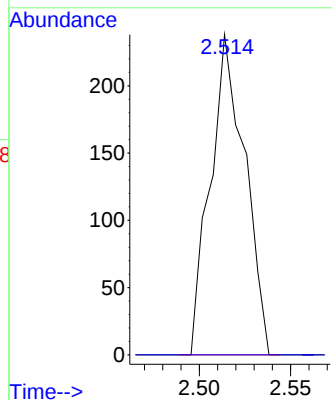
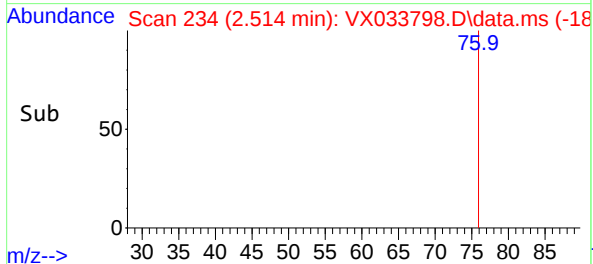


#17
Carbon Disulfide
Concen: 1.908 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

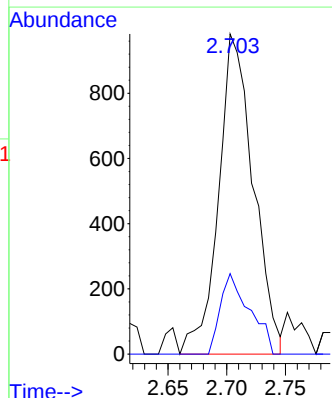
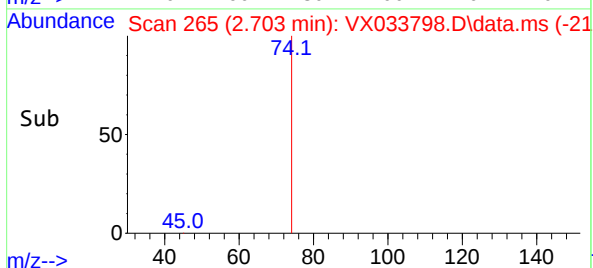
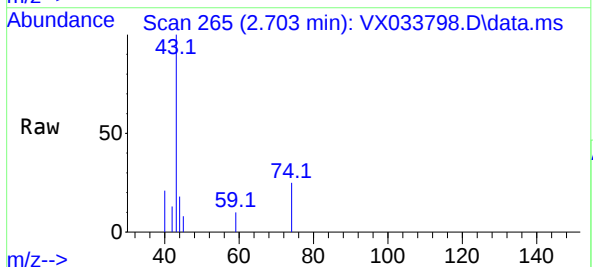


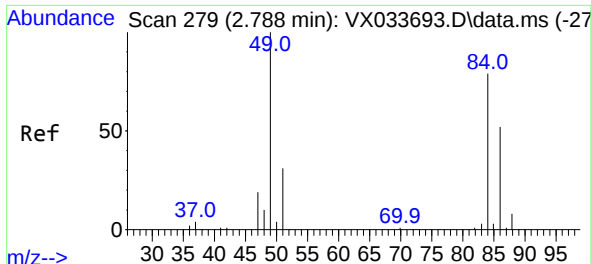
Tgt Ion: 76 Resp: 313
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
74 21.2 18.2 27.4





#20

Methylene Chloride

Concen: 5.394 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

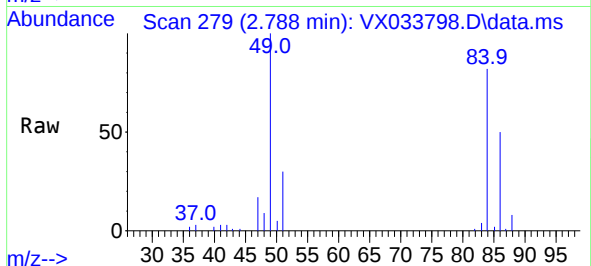
Lab File: VX033798.D

Acq: 19 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 11988

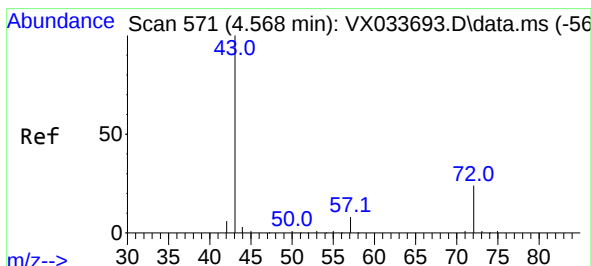
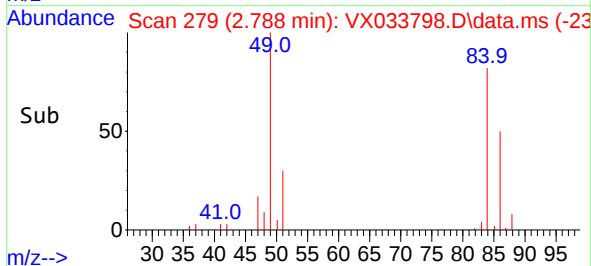
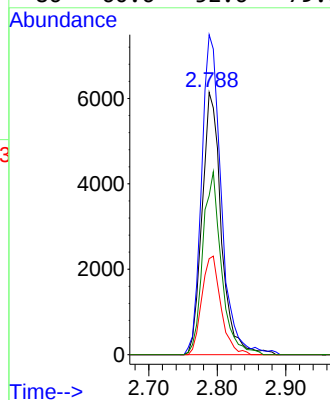
Ion Ratio Lower Upper

84 100

49 122.0 101.1 151.7

51 36.6 31.0 46.6

86 60.6 52.6 79.0



#25

2-Butanone

Concen: 3.932 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.012 min

Lab File: VX033798.D

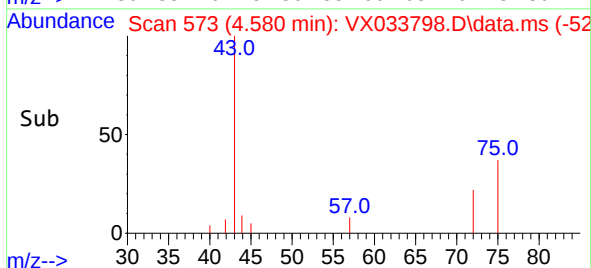
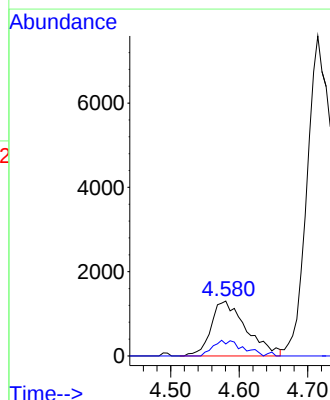
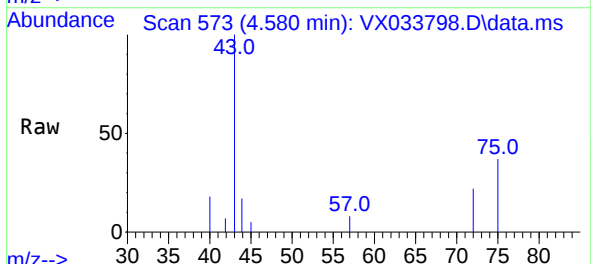
Acq: 19 Jan 2023 14:01

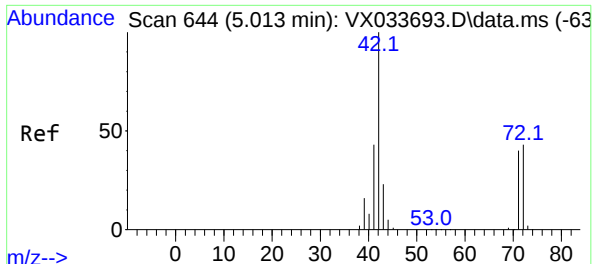
Tgt Ion: 43 Resp: 4643

Ion Ratio Lower Upper

43 100

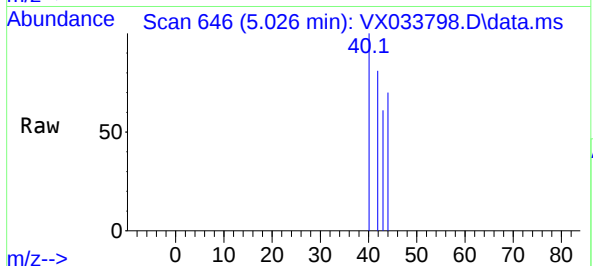
72 21.7 19.4 29.2



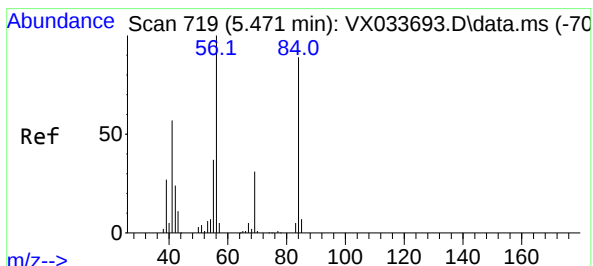
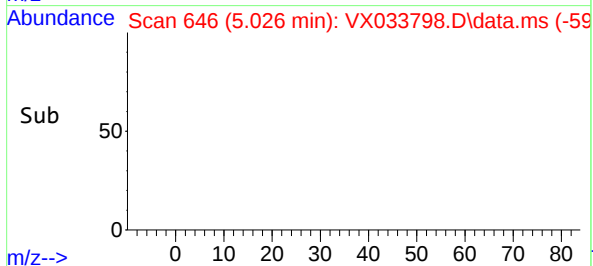
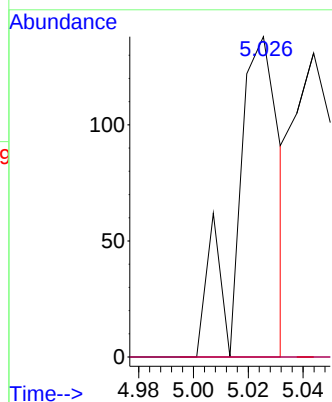


#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

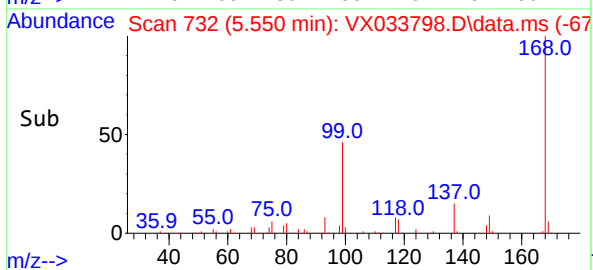
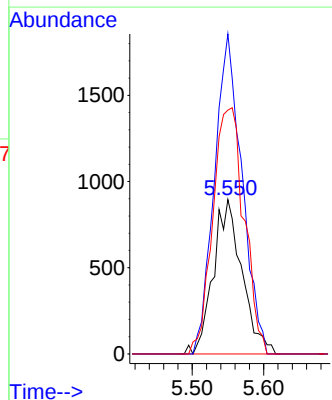
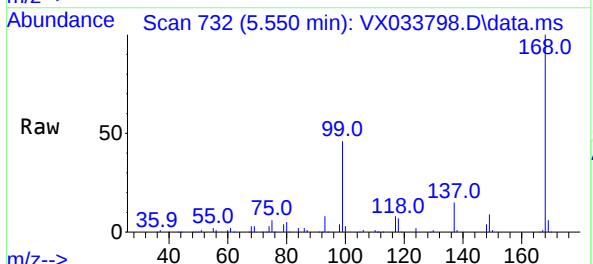


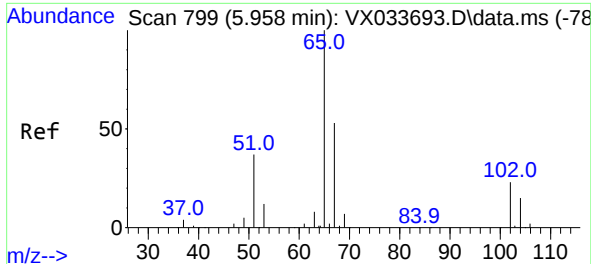
Tgt Ion: 42 Resp: 151
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 0.0 32.2 48.2#



#31
Cyclohexane
Concen: 0.936 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 56 Resp: 2490
Ion Ratio Lower Upper
56 100
69 207.4 24.6 37.0#
84 158.0 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.188 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033798.D

Acq: 19 Jan 2023 14:01

Instrument :

MSVOA_X

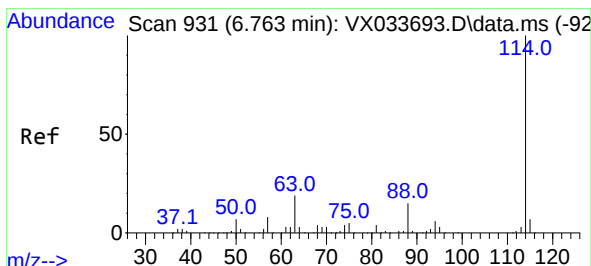
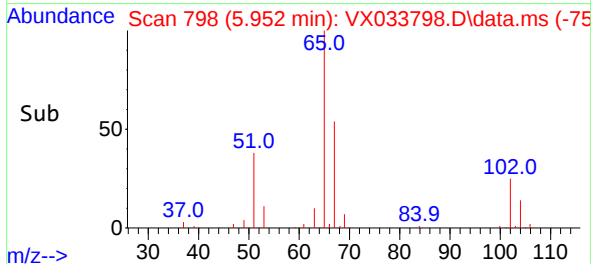
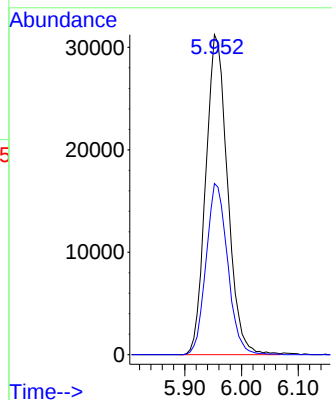
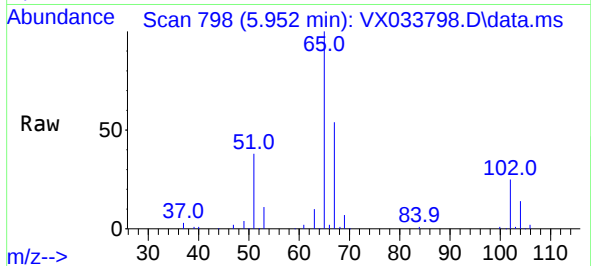
ClientSampleId :

Tgt Ion: 65 Resp: 83474

Ion Ratio Lower Upper

65 100

67 52.9 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: VX033798.D

Acq: 19 Jan 2023 14:01

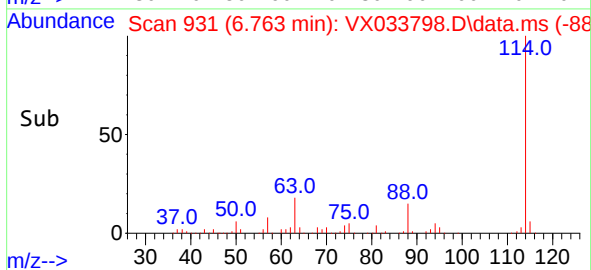
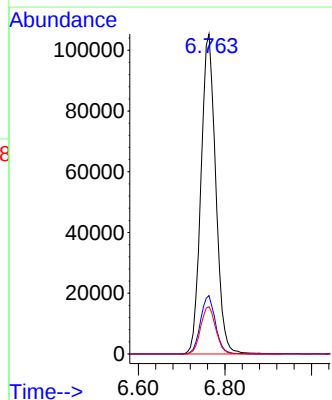
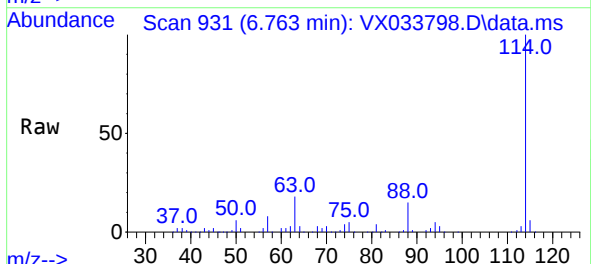
Tgt Ion: 114 Resp: 248818

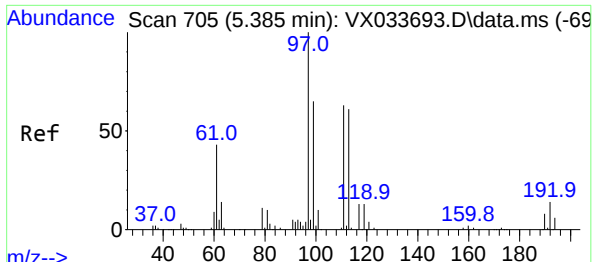
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

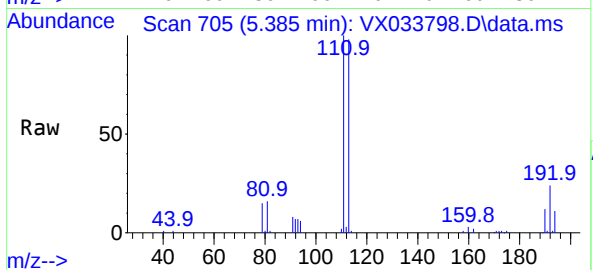
88 14.7 0.0 30.6



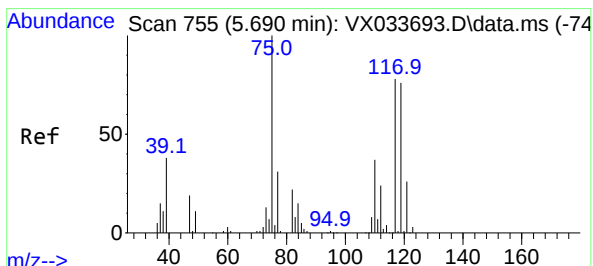
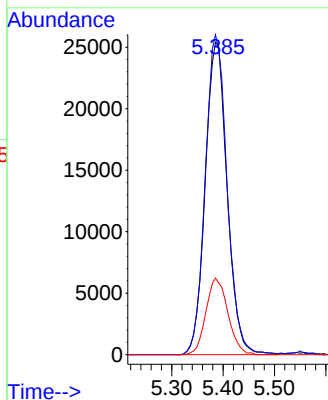
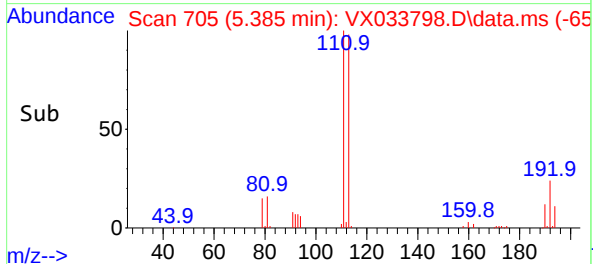


#35
Dibromofluoromethane
Concen: 48.632 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

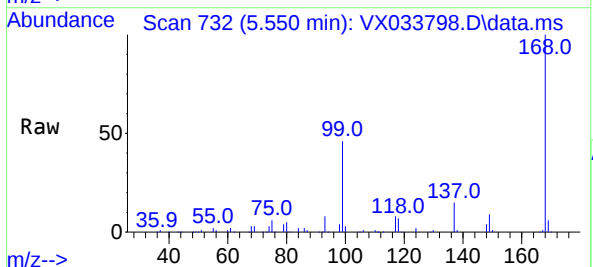
Instrument :
MSVOA_X
ClientSampleId :



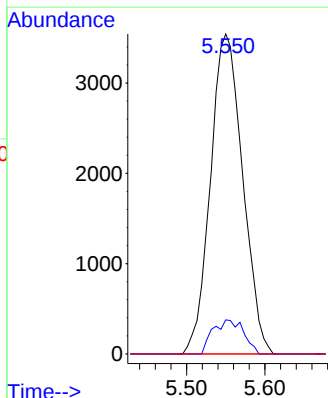
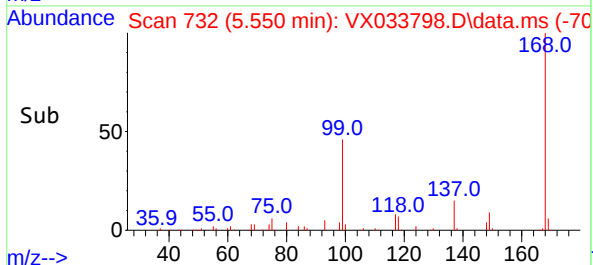
Tgt Ion:113 Resp: 75137
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.6
192 24.6 19.0 28.4

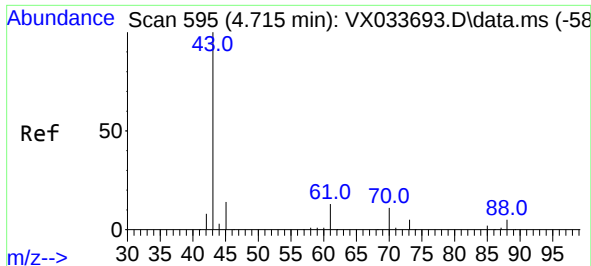


#36
1,1-Dichloropropene
Concen: 4.492 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01



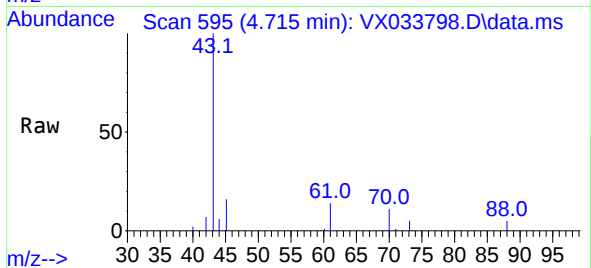
Tgt Ion: 75 Resp: 10129
Ion Ratio Lower Upper
75 100
110 10.2 18.8 56.4#
77 0.0 25.1 37.7#





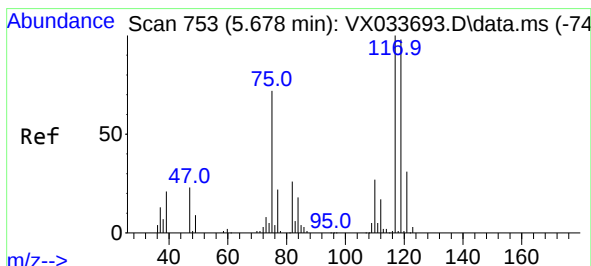
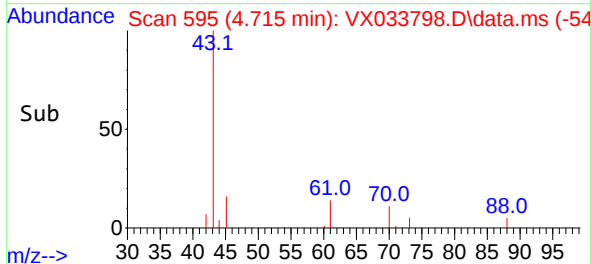
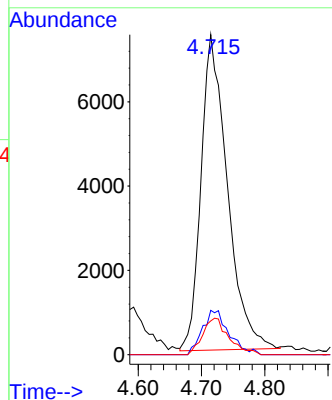
#37
Ethyl Acetate
Concen: 7.665 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 43 Resp: 21699

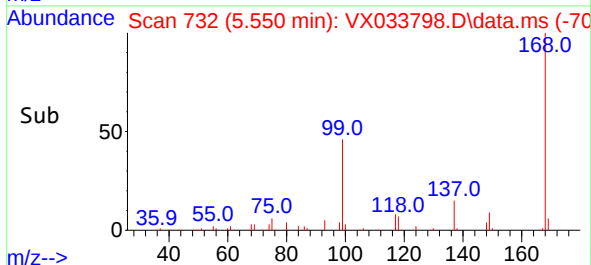
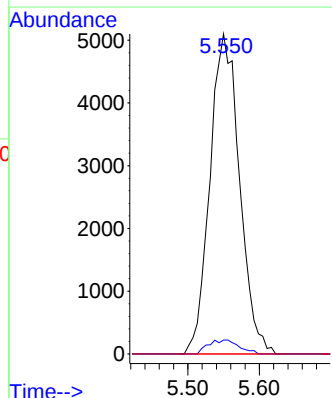
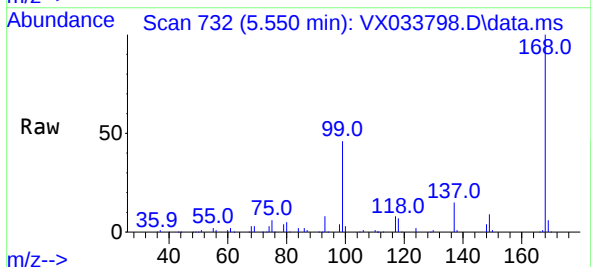
Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.1	16.7
70	11.4	8.5	12.7

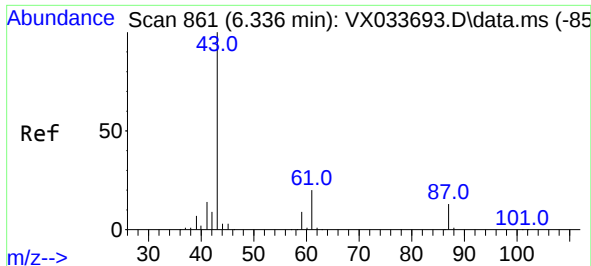


#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 117 Resp: 14660

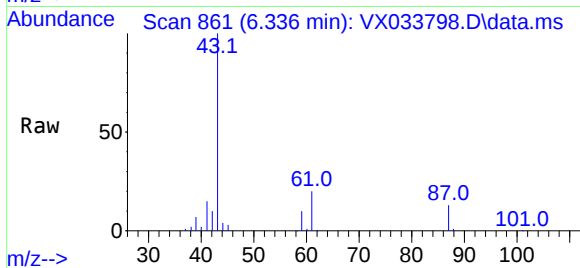
Ion	Ratio	Lower	Upper
117	100		
119	4.4	78.0	117.0#
121	0.0	24.4	36.6#



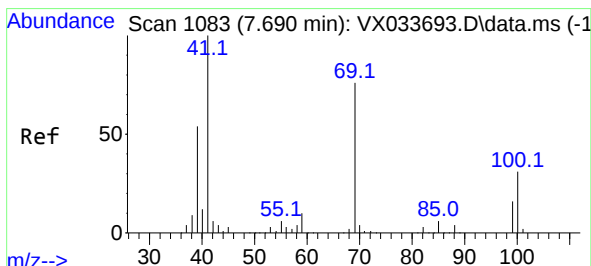
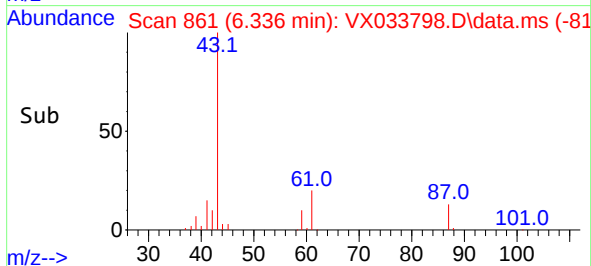
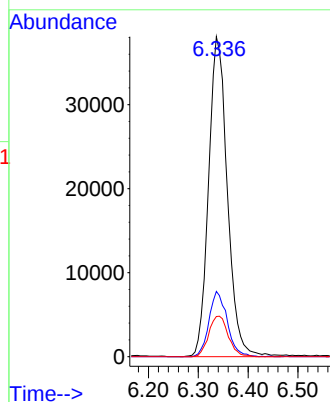


#43
Isopropyl Acetate
Concen: 27.989 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

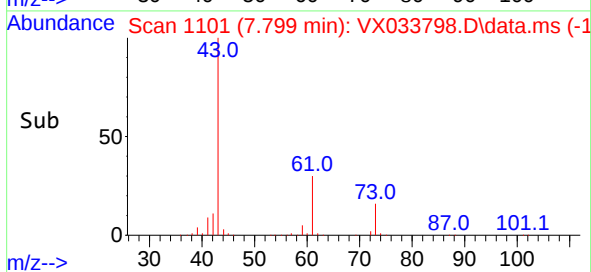
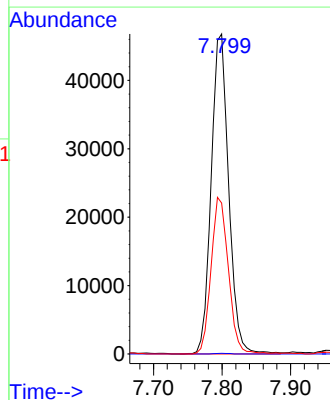
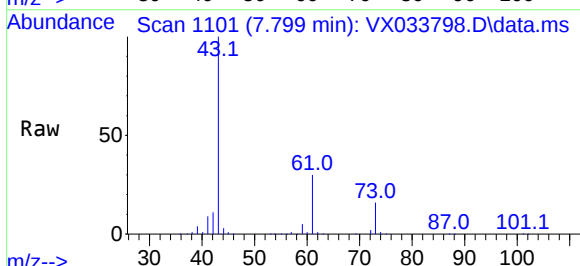


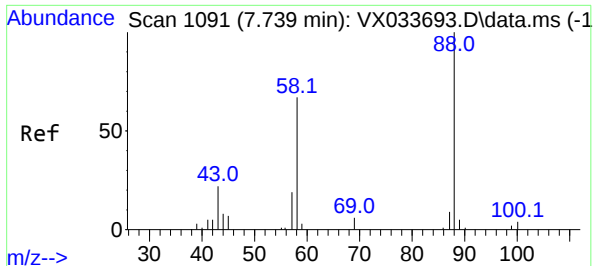
Tgt Ion: 43 Resp: 99636
Ion Ratio Lower Upper
43 100
61 19.8 15.7 23.5
87 13.1 10.6 15.8



#48
Methyl methacrylate
Concen: 46.167 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 41 Resp: 82786
Ion Ratio Lower Upper
41 100
69 0.2 63.1 94.7#
39 48.6 43.2 64.8





#49

1,4-Dioxane

Concen: 4.362 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.061 min

Lab File: VX033798.D

Acq: 19 Jan 2023 14:01

Instrument :

MSVOA_X

ClientSampleId :

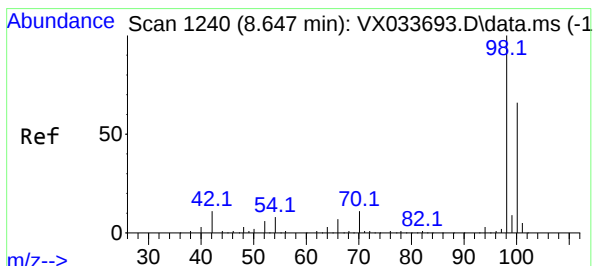
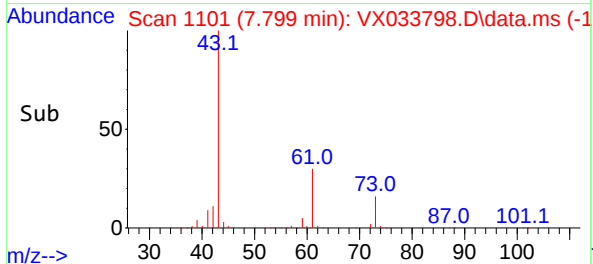
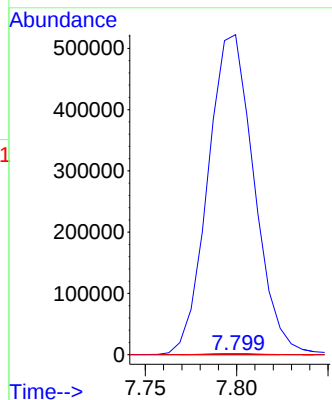
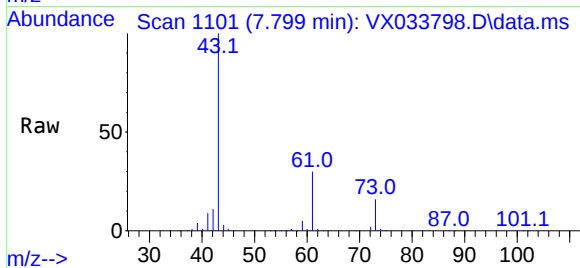
Tgt Ion: 88 Resp: 173

Ion Ratio Lower Upper

88 100

43 535367.1 0.0 0.0#

58 2227.2 56.5 84.7#



#50

Toluene-d8

Concen: 50.139 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033798.D

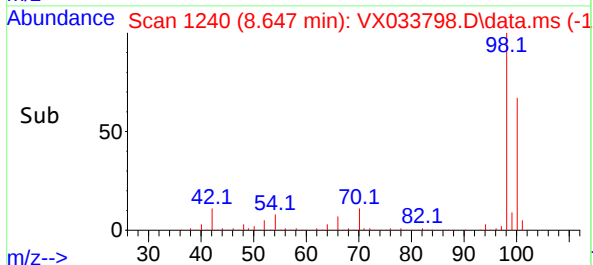
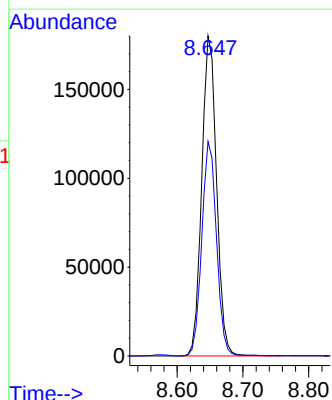
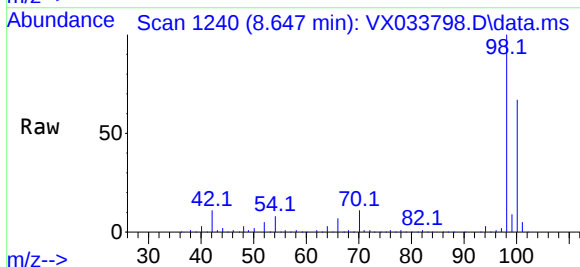
Acq: 19 Jan 2023 14:01

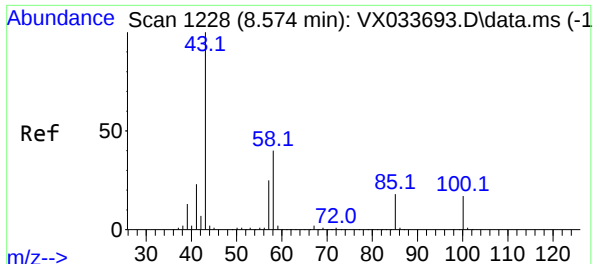
Tgt Ion: 98 Resp: 282250

Ion Ratio Lower Upper

98 100

100 66.8 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 35.003 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033798.D

Acq: 19 Jan 2023 14:01

Instrument :

MSVOA_X

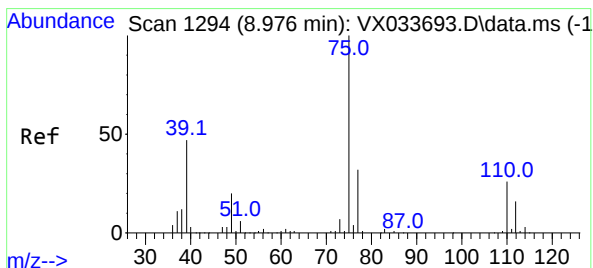
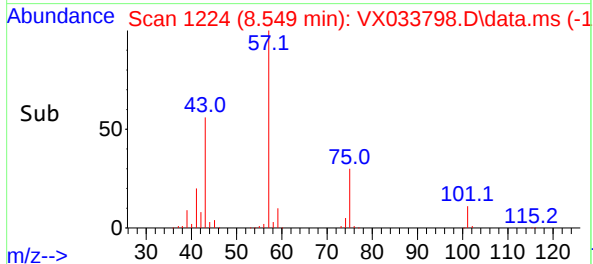
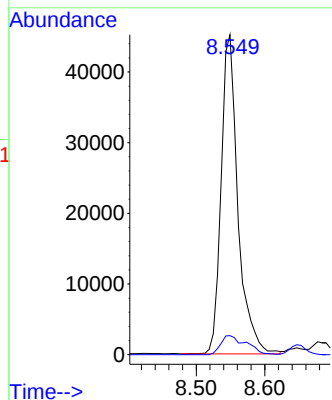
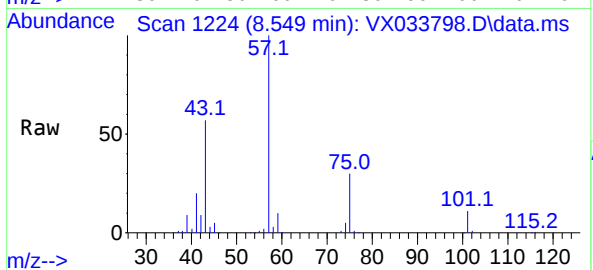
ClientSampleId :

Tgt Ion: 43 Resp: 76525

Ion Ratio Lower Upper

43 100

58 9.2 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.325 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX033798.D

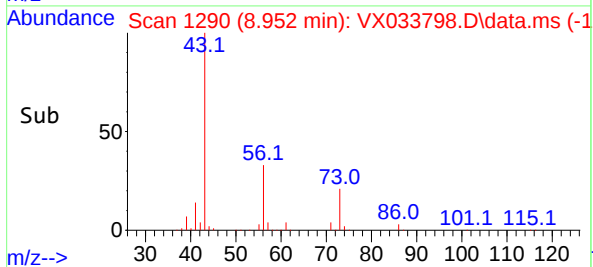
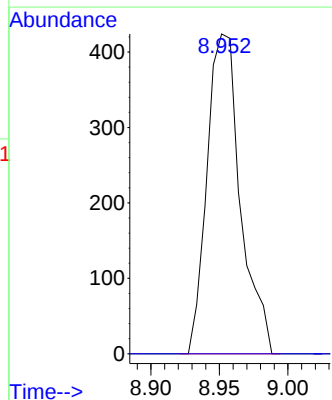
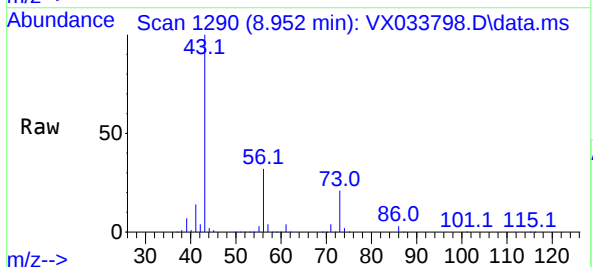
Acq: 19 Jan 2023 14:01

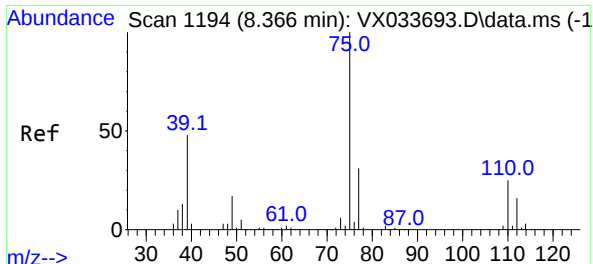
Tgt Ion: 75 Resp: 720

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

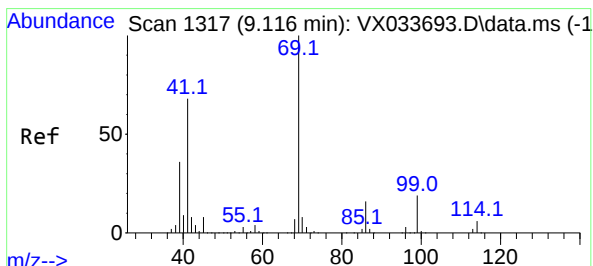
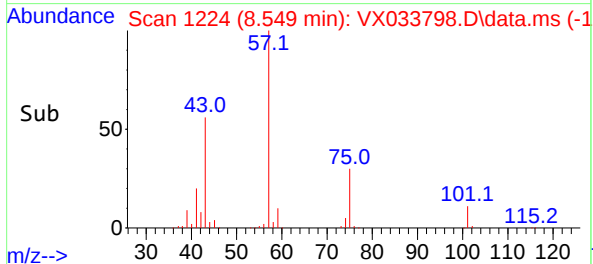
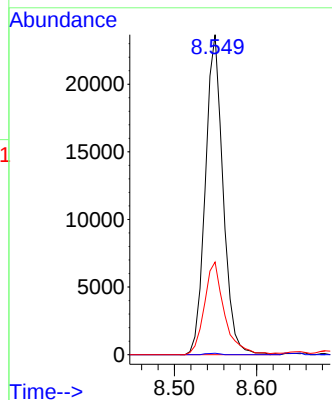
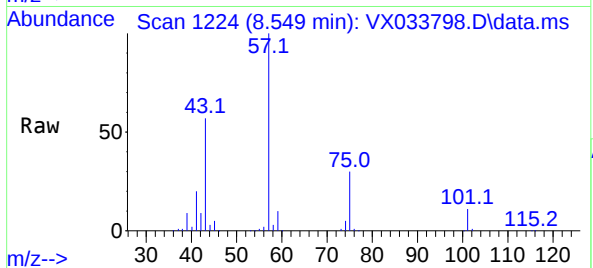




#54
cis-1,3-Dichloropropene
Concen: 14.243 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

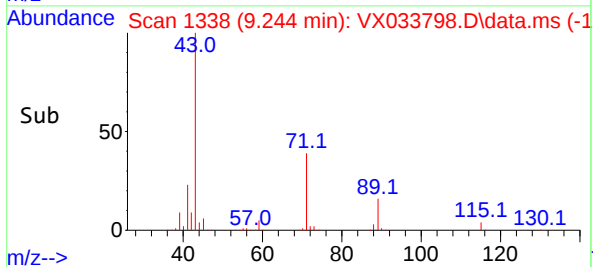
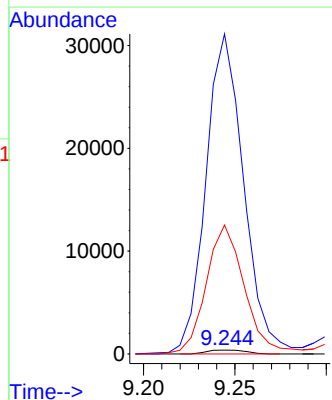
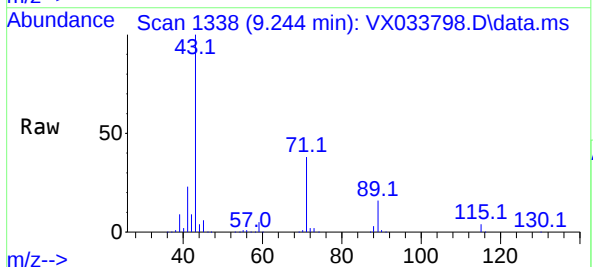
Instrument :
MSVOA_X
ClientSampleId :

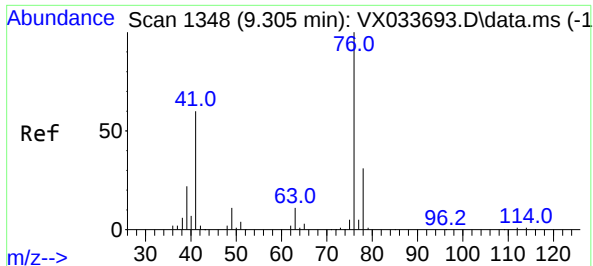
Tgt Ion: 75 Resp: 35372
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.6#
39 29.0 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.237 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 69 Resp: 561
Ion Ratio Lower Upper
69 100
41 7997.9 55.1 82.7#
39 3263.8 28.5 42.7#

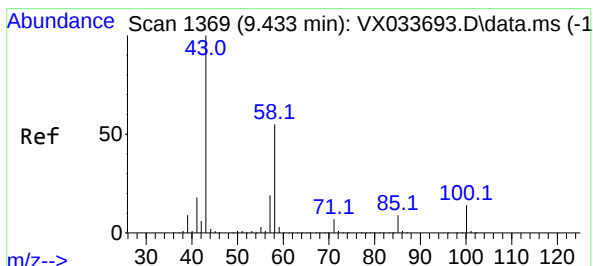
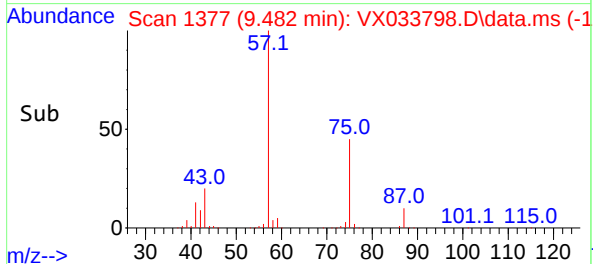
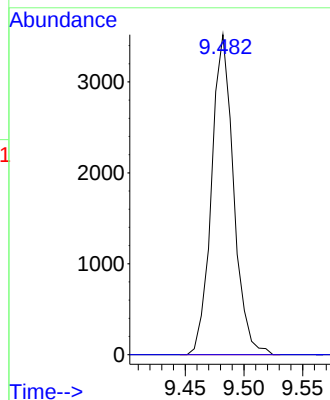
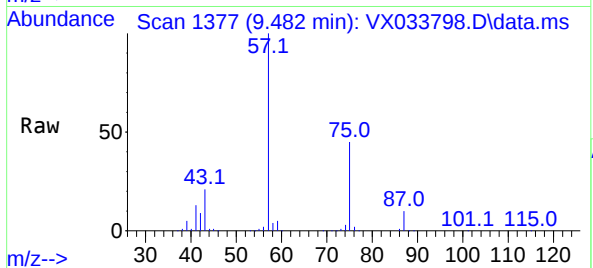




#57
1,3-Dichloropropane
Concen: 1.685 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

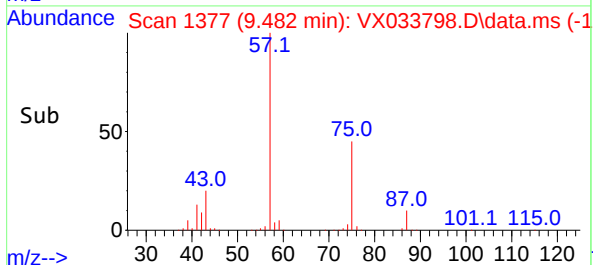
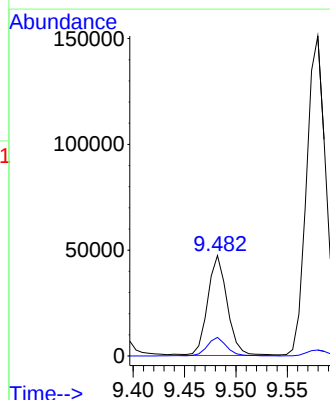
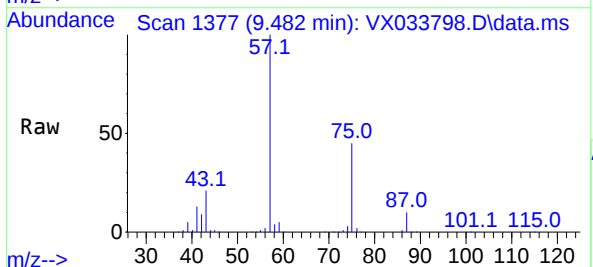
Instrument :
MSVOA_X
ClientSampleId :

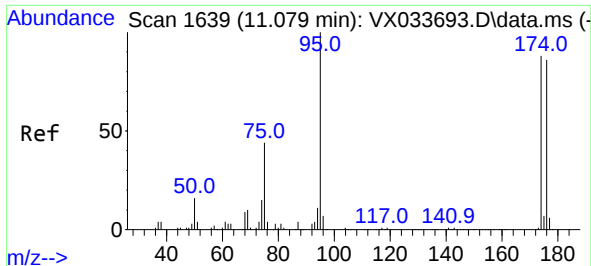
Tgt Ion: 76 Resp: 4590
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 41.245 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

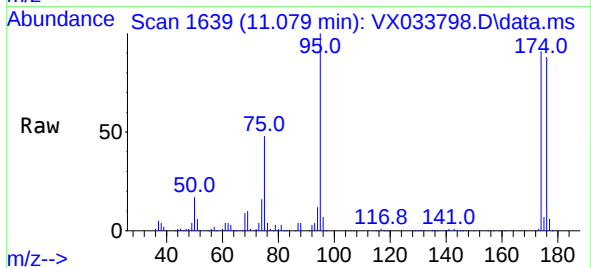
Tgt Ion: 43 Resp: 62761
Ion Ratio Lower Upper
43 100
58 18.8 27.4 82.0#



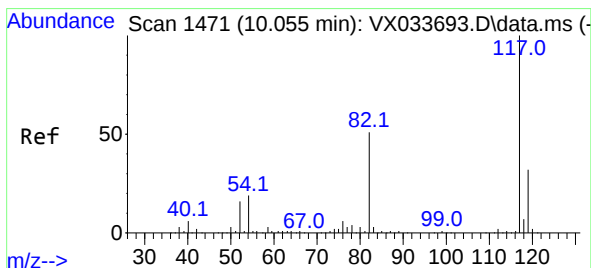
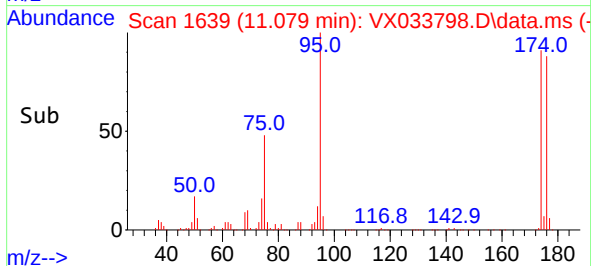
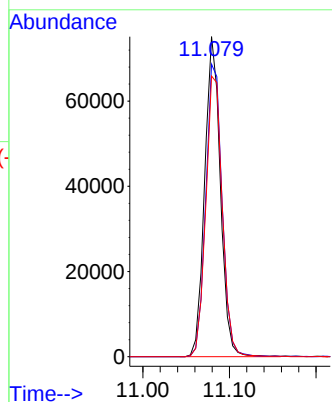


#62
4-Bromofluorobenzene
Concen: 45.118 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

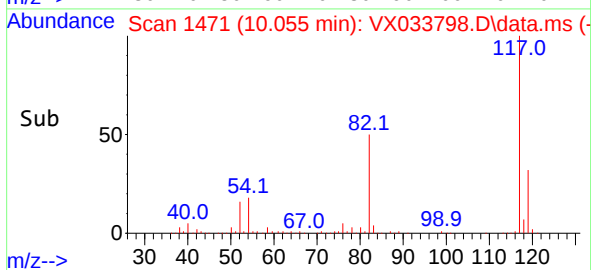
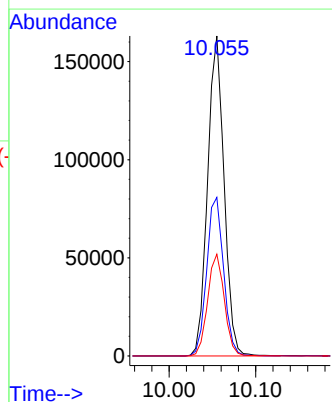
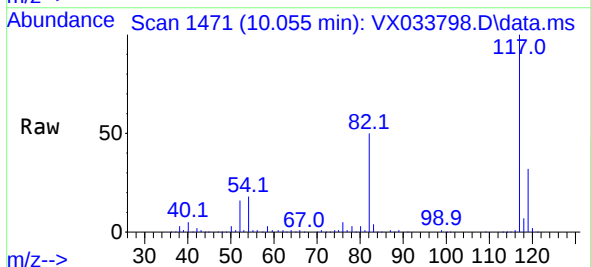


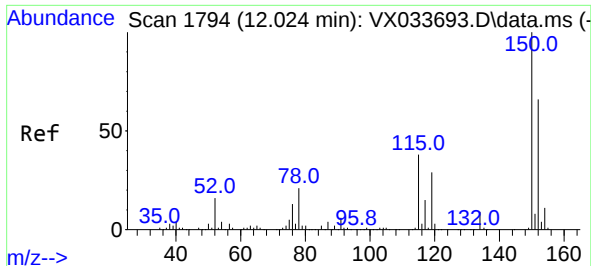
Tgt Ion: 95 Resp: 94299
Ion Ratio Lower Upper
95 100
174 95.4 0.0 184.4
176 92.6 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

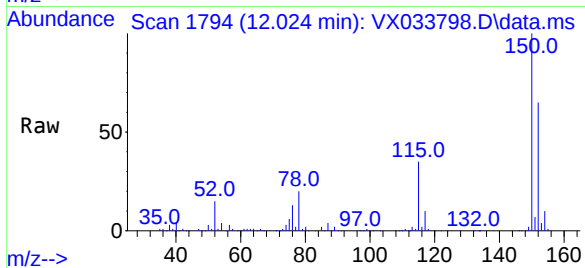
Tgt Ion: 117 Resp: 215626
Ion Ratio Lower Upper
117 100
82 49.6 40.6 60.8
119 31.8 25.6 38.4



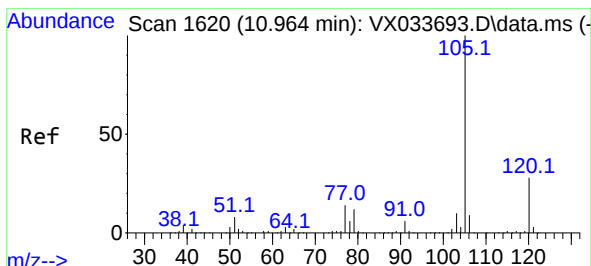
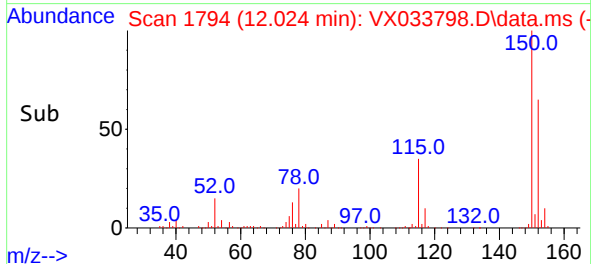
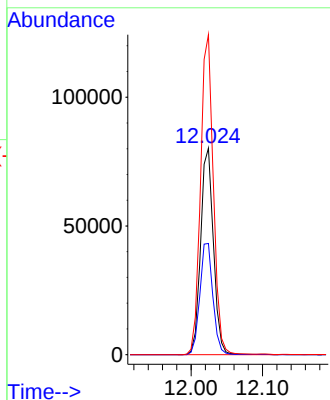


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

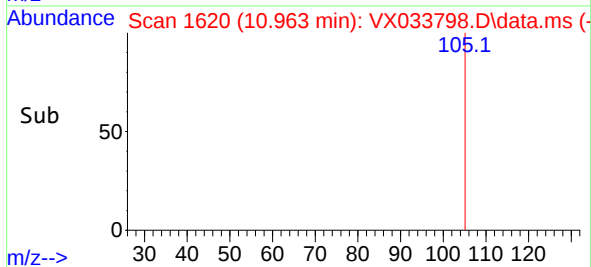
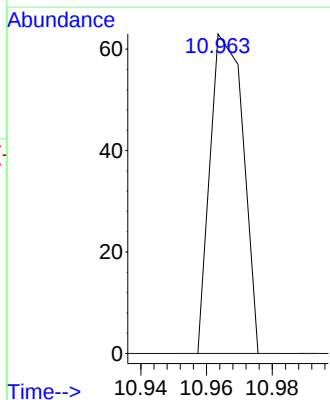
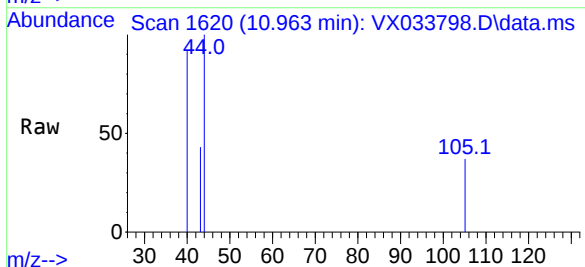


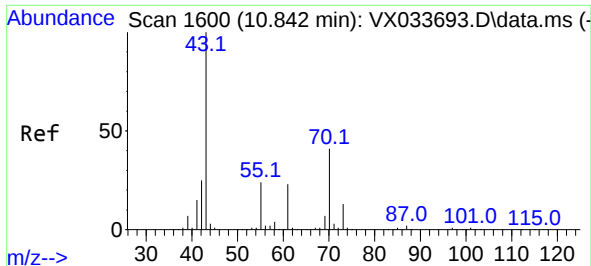
Tgt Ion:152 Resp: 99563
Ion Ratio Lower Upper
152 100
115 55.1 38.7 116.1
150 155.2 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

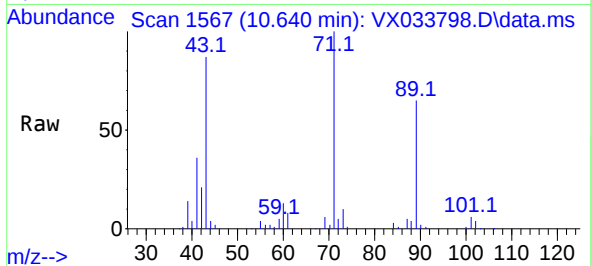
Tgt Ion:105 Resp: 44
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



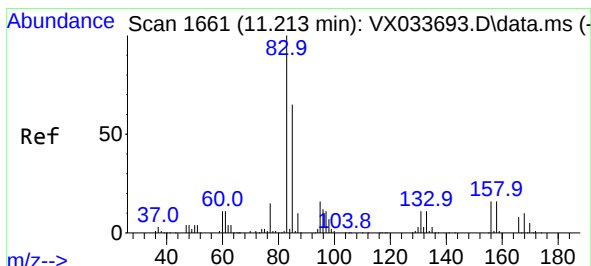
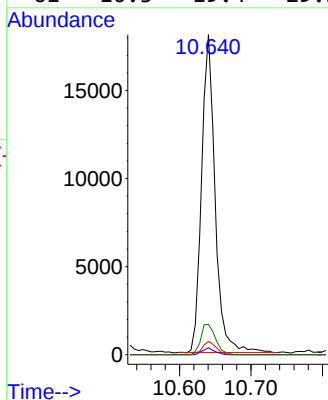
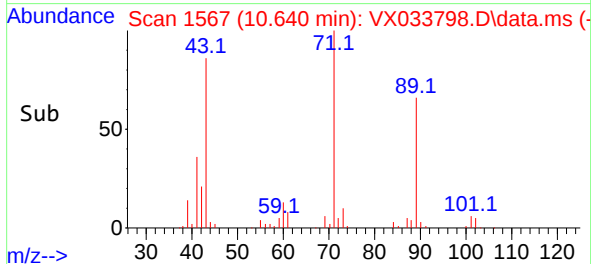


#74
N-amy1 acetate
Concen: 9.077 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

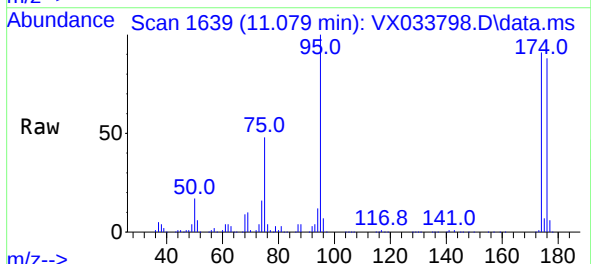
Instrument :
MSVOA_X
ClientSampleId :



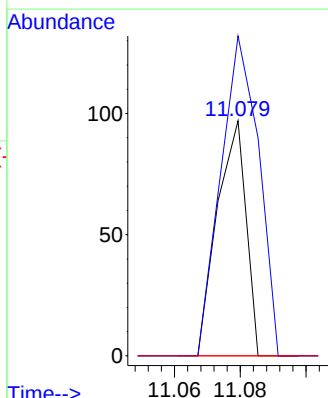
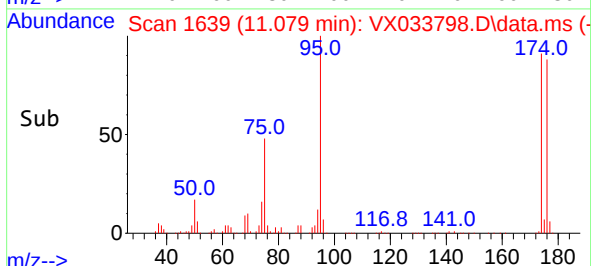
Tgt Ion: 43 Resp: 23732
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 4.2 19.4 29.0#
61 10.3 19.4 29.2#

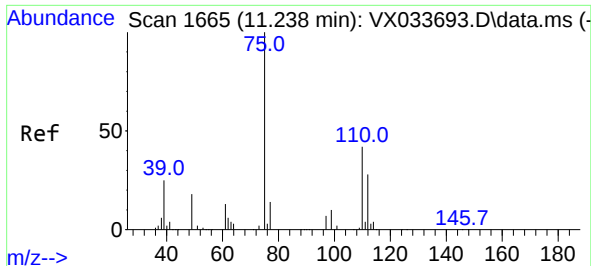


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01



Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
131 179.7 5.5 16.7#
85 0.0 32.3 96.9#

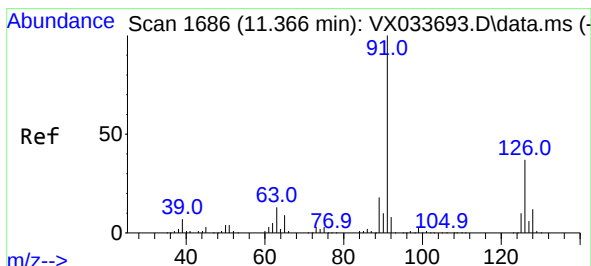
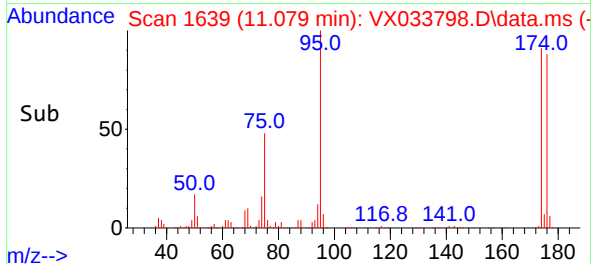
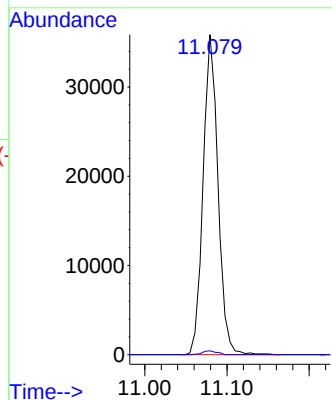
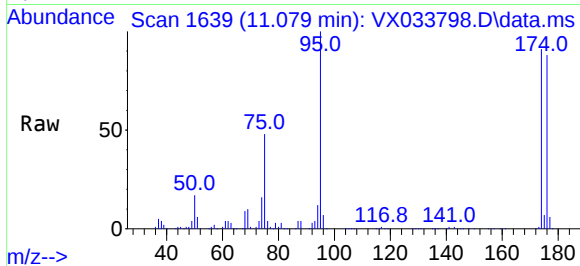




#76
1,2,3-Trichloropropane
Concen: 24.617 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

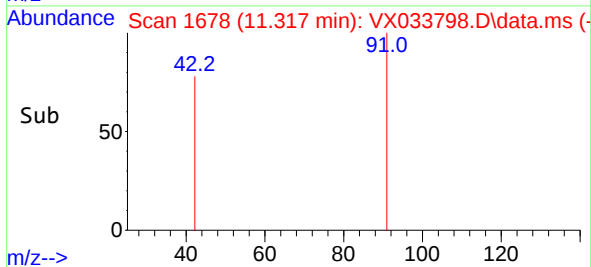
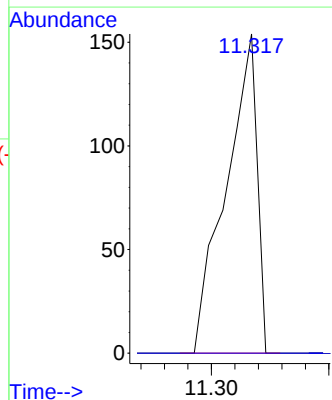
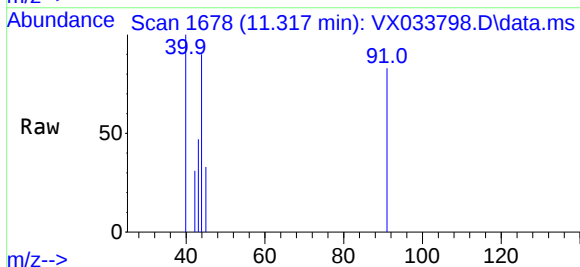
Instrument :
MSVOA_X
ClientSampleId :

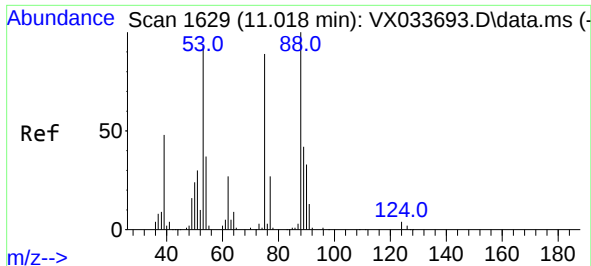
Tgt Ion: 75 Resp: 45033
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.317 min Scan# 1678
Delta R.T. -0.049 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 91 Resp: 140
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

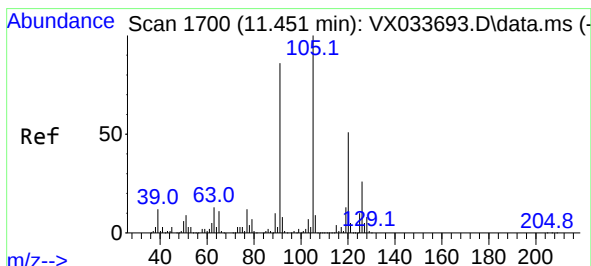
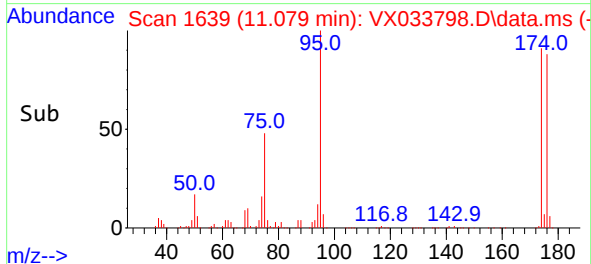
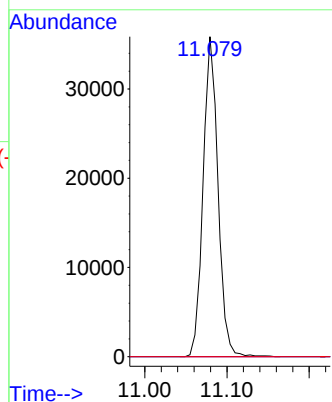
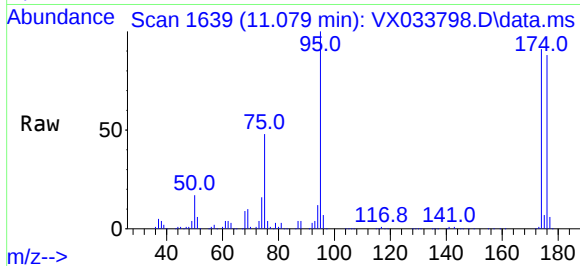




#81
trans-1,4-Dichloro-2-butene
Concen: 76.508 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033798.D
Acq: 19 Jan 2023 14:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 45033
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: VX033798.D
Acq: 19 Jan 2023 14:01

Tgt Ion: 91 Resp: 187
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

