

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011923\
 Data File : VX033800.D
 Acq On : 19 Jan 2023 14:47
 Operator : JC/MD
 Sample : PB150330ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

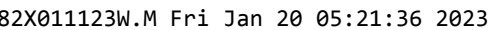
Quant Time: Jan 20 05:21:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

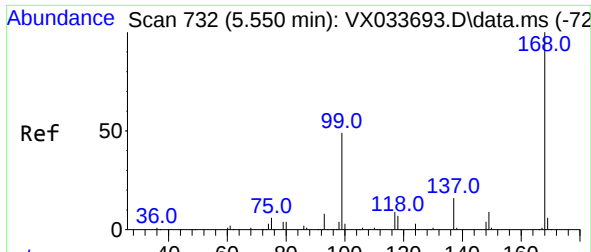
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	180913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	262342	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	234801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89112	46.782	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.560%
35) Dibromofluoromethane	5.385	113	80358	49.330	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.660%
50) Toluene-d8	8.647	98	299456	50.453	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.900%
62) 4-Bromofluorobenzene	11.079	95	104976	47.637	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
3) Chloromethane	1.325	50	658	0.413	ug/l #	43
11) Tert butyl alcohol	2.946	59	1518	4.587	ug/l #	86
16) Acetone	2.392	43	23878	23.257	ug/l	90
17) Carbon Disulfide	2.520	76	210	1.877	ug/l #	76
18) Methyl Acetate	2.709	43	2438	0.917	ug/l #	87
25) 2-Butanone	4.586	43	3308	2.658	ug/l	97
31) Cyclohexane	5.556	56	2666	0.951	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10987	4.621	ug/l #	48
37) Ethyl Acetate	4.714	43	26734	9.468	ug/l	99
38) Carbon Tetrachloride	5.550	117	15279	6.205	ug/l #	15
43) Isopropyl Acetate	6.336	43	116601	31.067	ug/l	99
48) Methyl methacrylate	7.793	41	97492	51.565	ug/l #	44
49) 1,4-Dioxane	7.799	88	154	3.682	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88180	38.255	ug/l #	51
53) t-1,3-Dichloropropene	8.951	75	775	0.332	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	42612	16.273	ug/l #	59
56) Ethyl methacrylate	9.238	69	690	0.277	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5495	1.913	ug/l #	43
59) 2-Hexanone	9.482	43	74219	46.261	ug/l #	50
73) Isopropylbenzene	11.073	105	145	Below Cal	#	48
74) N-amyl acetate	10.640	43	30226	10.035	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	51589	24.479	ug/l #	34
79) 2-Chlorotoluene	11.317	91	122	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51589	76.077	ug/l #	8
82) 4-Chlorotoluene	11.457	91	158	Below Cal	#	43

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

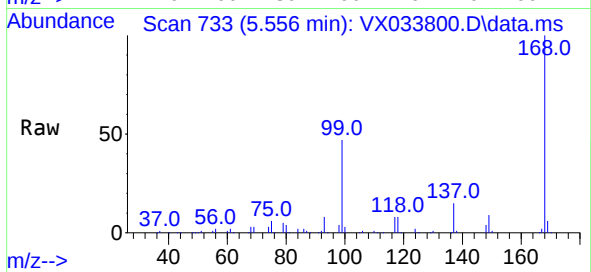
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



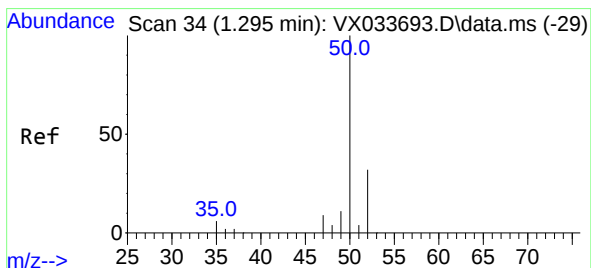
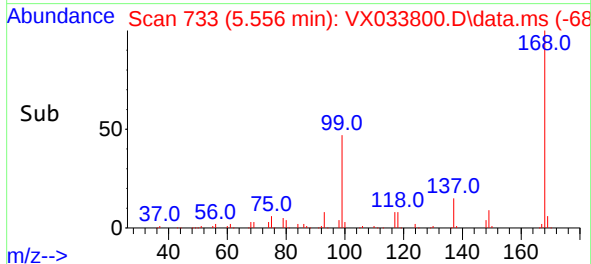
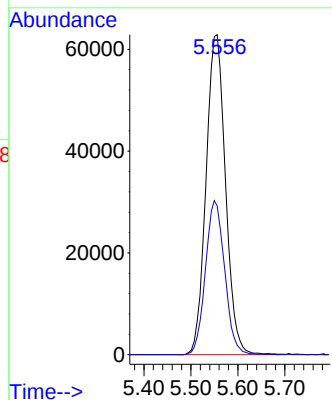


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

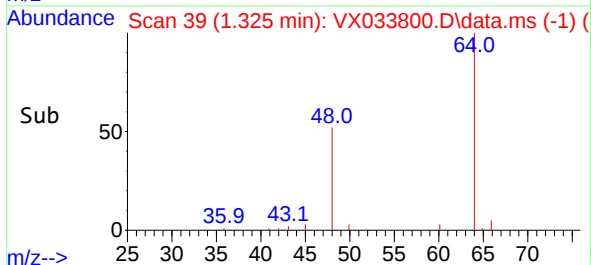
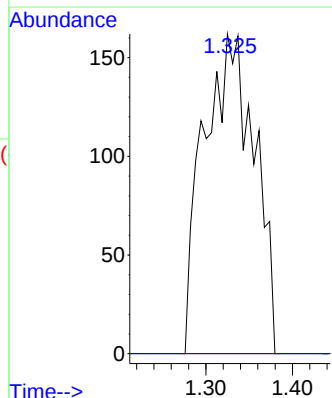
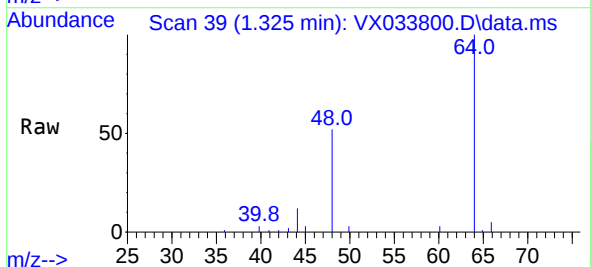


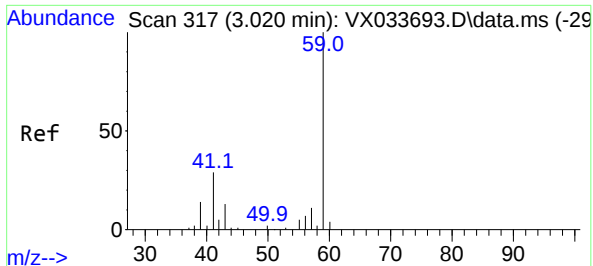
Tgt Ion:168 Resp: 180913
Ion Ratio Lower Upper
168 100
99 46.5 39.6 59.4



#3
Chloromethane
Concen: 0.413 ug/l
RT: 1.325 min Scan# 39
Delta R.T. 0.030 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 0.0 25.2 37.8#





#11

Tert butyl alcohol

Concen: 4.587 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

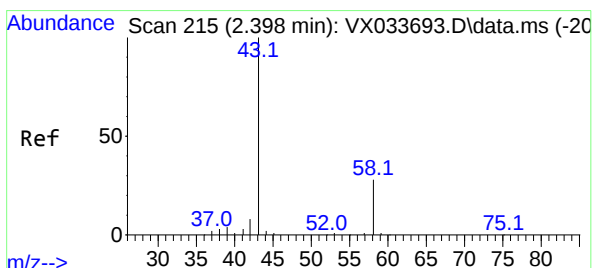
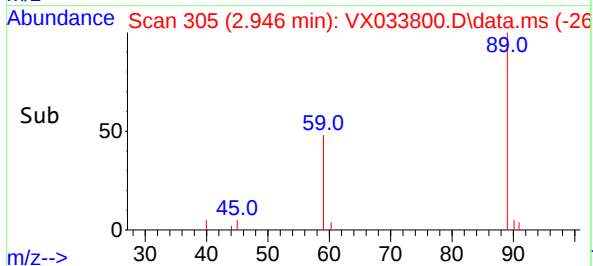
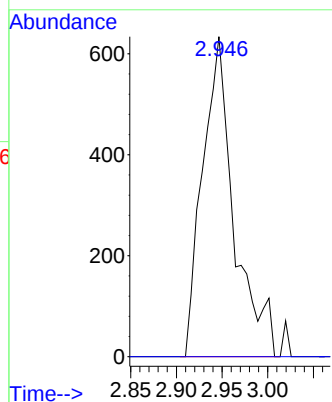
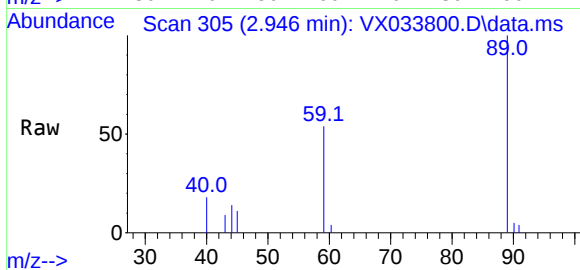
ClientSampleId :

Tgt Ion: 59 Resp: 1518

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 23.257 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033800.D

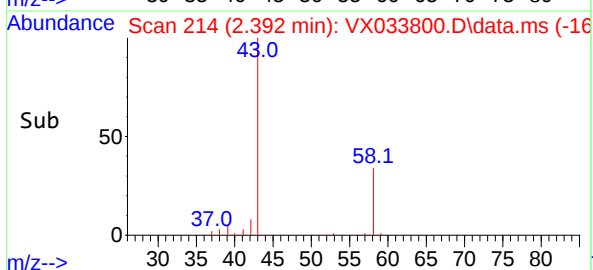
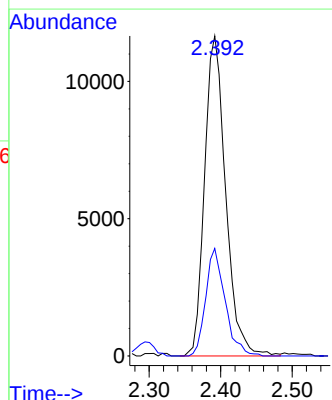
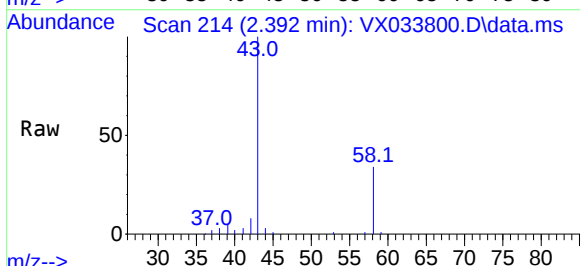
Acq: 19 Jan 2023 14:47

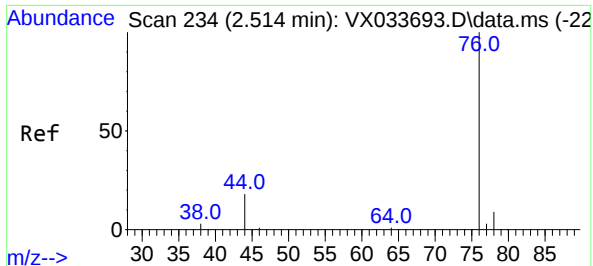
Tgt Ion: 43 Resp: 23878

Ion Ratio Lower Upper

43 100

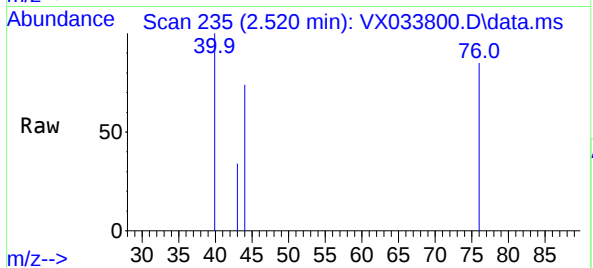
58 33.6 22.6 33.8



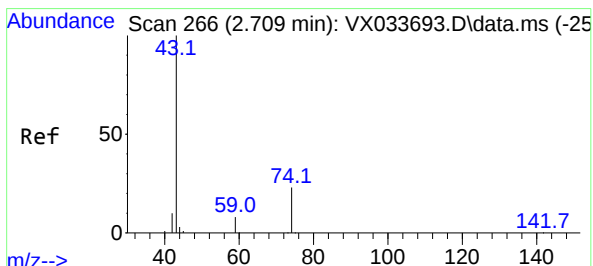
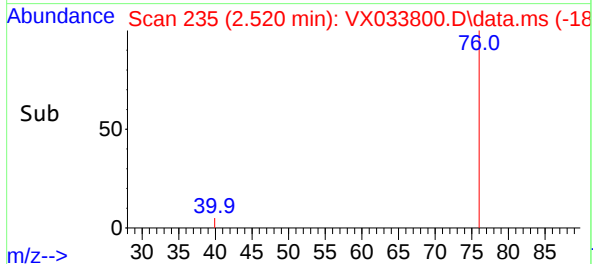
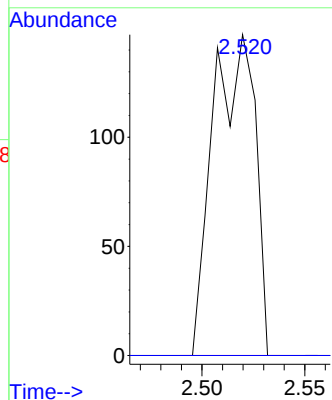


#17
Carbon Disulfide
Concen: 1.877 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

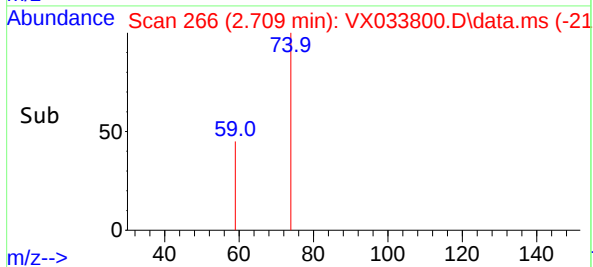
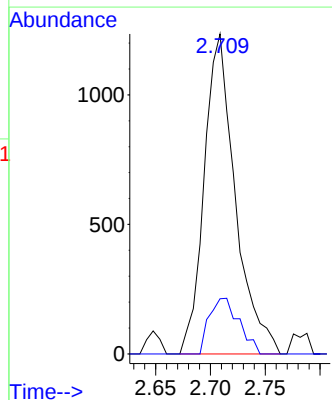
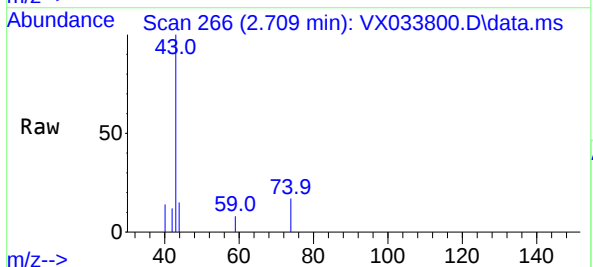


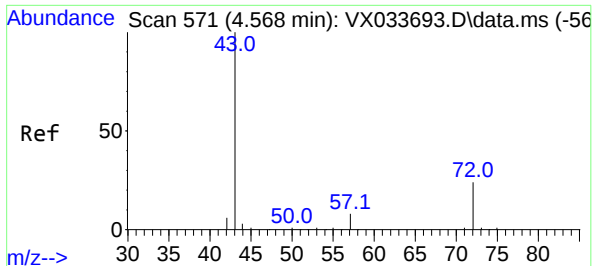
Tgt Ion: 76 Resp: 210
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.917 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Tgt Ion: 43 Resp: 2438
Ion Ratio Lower Upper
43 100
74 16.7 18.2 27.4#





#25

2-Butanone

Concen: 2.658 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

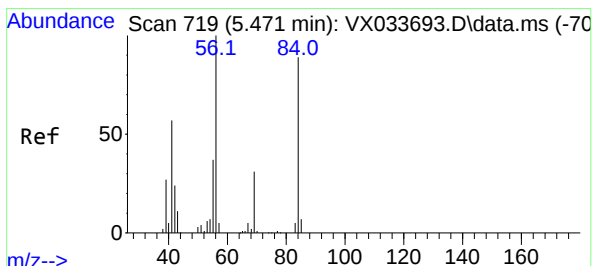
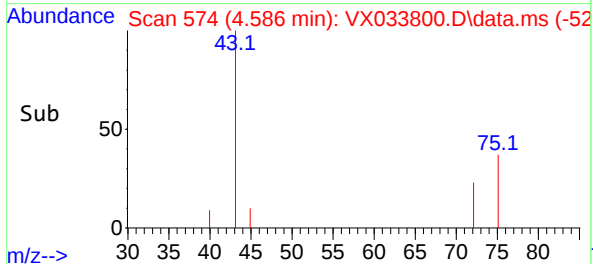
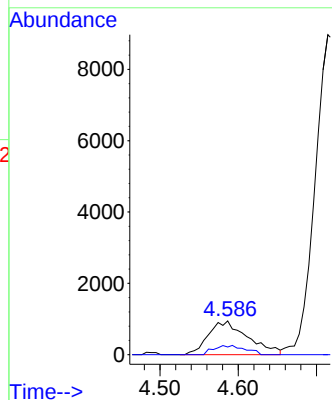
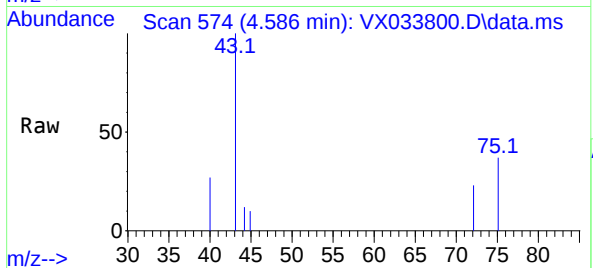
ClientSampleId :

Tgt Ion: 43 Resp: 3308

Ion Ratio Lower Upper

43 100

72 22.6 19.4 29.2



#31

Cyclohexane

Concen: 0.951 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

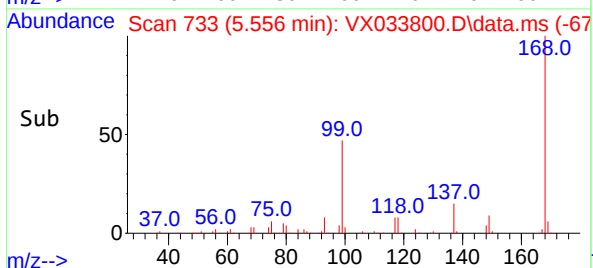
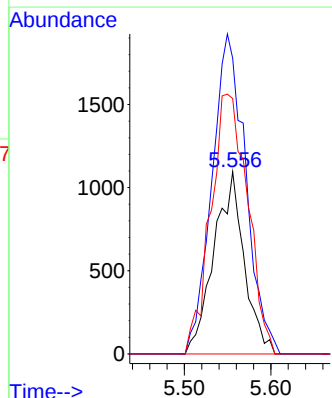
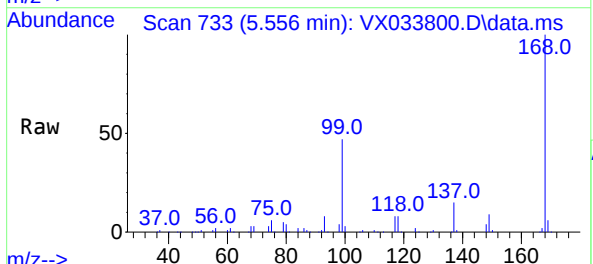
Tgt Ion: 56 Resp: 2666

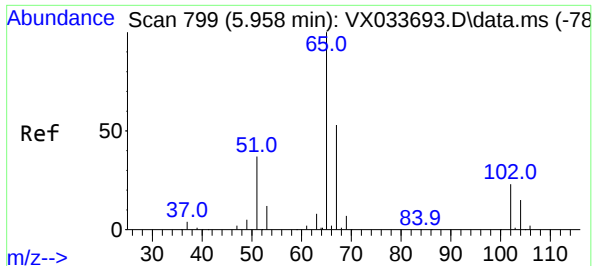
Ion Ratio Lower Upper

56 100

69 162.2 24.6 37.0#

84 140.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.782 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

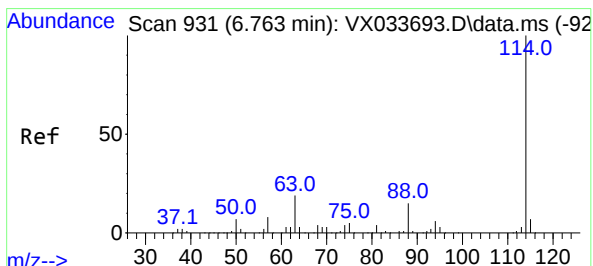
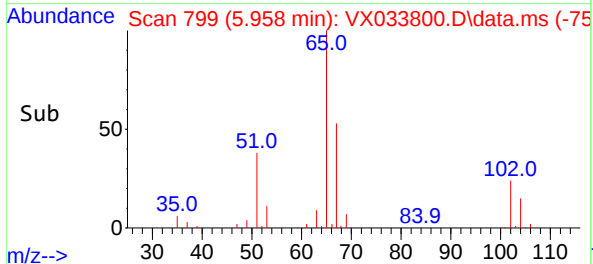
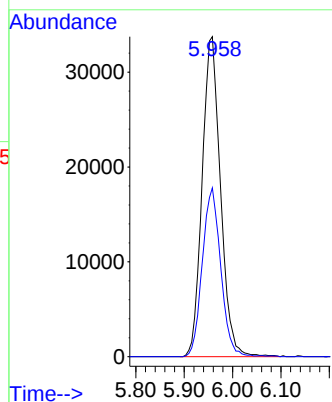
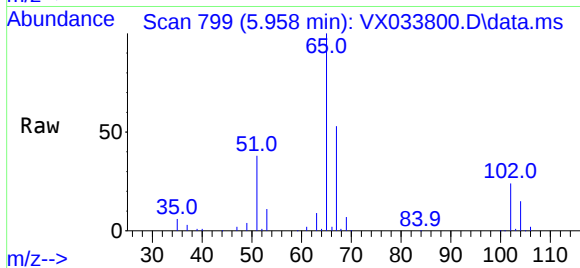
ClientSampleId :

Tgt Ion: 65 Resp: 89112

Ion Ratio Lower Upper

65 100

67 52.7 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: VX033800.D

Acq: 19 Jan 2023 14:47

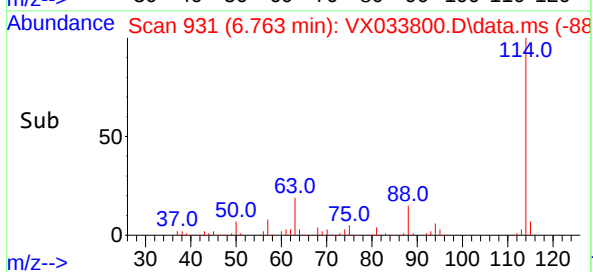
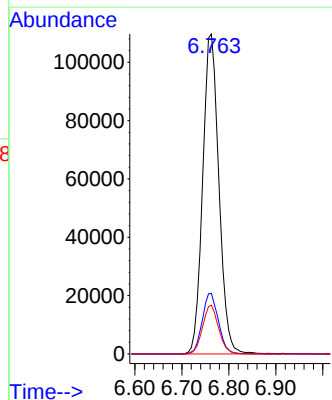
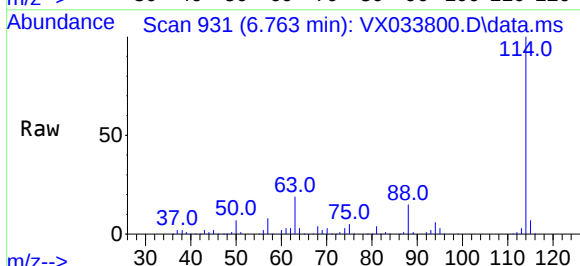
Tgt Ion: 114 Resp: 262342

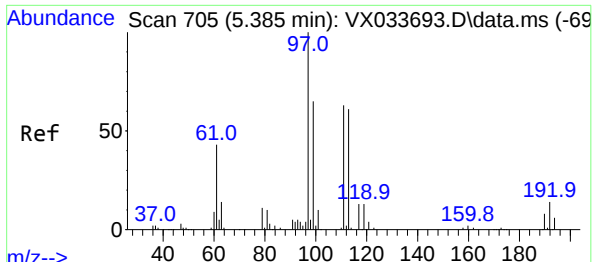
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

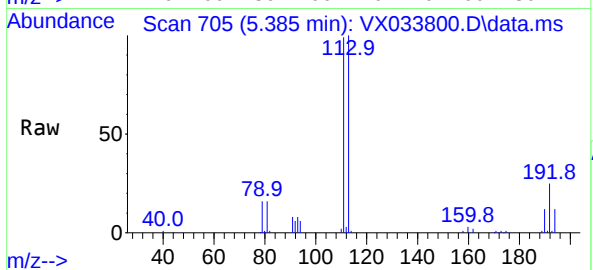
88 15.3 0.0 30.6



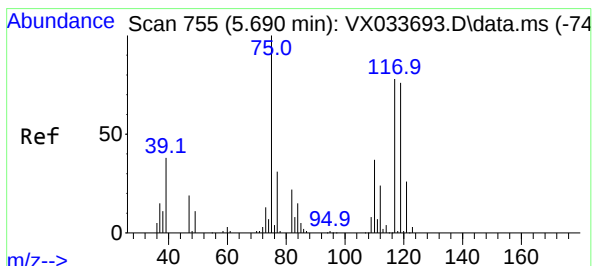
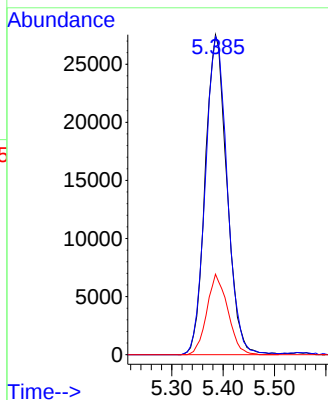
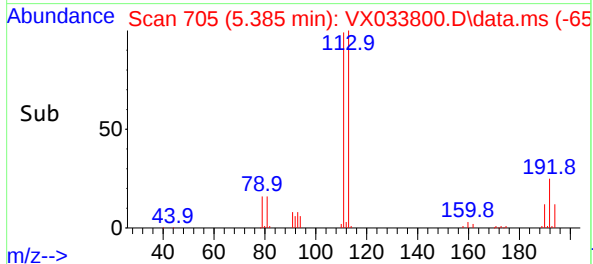


#35
Dibromofluoromethane
Concen: 49.330 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

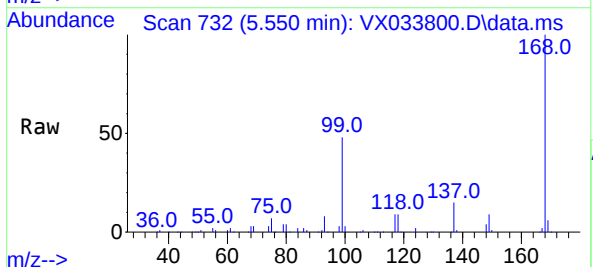
Instrument :
MSVOA_X
ClientSampleId :



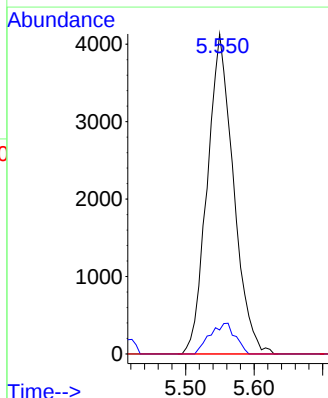
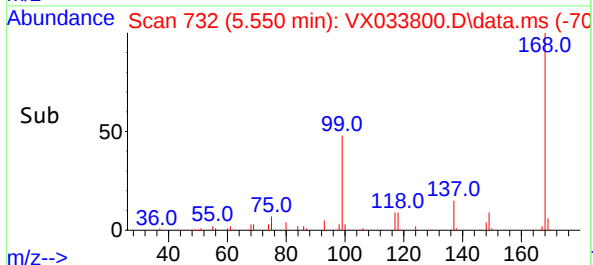
Tgt Ion:113 Resp: 80358
Ion Ratio Lower Upper
113 100
111 100.7 83.0 124.6
192 24.3 19.0 28.4

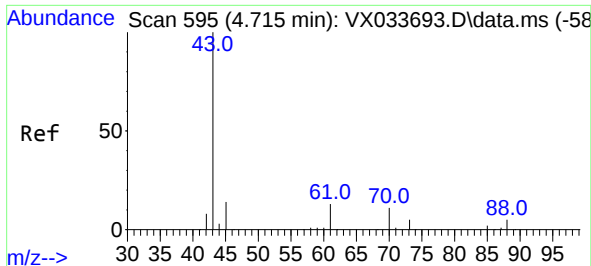


#36
1,1-Dichloropropene
Concen: 4.621 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47



Tgt Ion: 75 Resp: 10987
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#

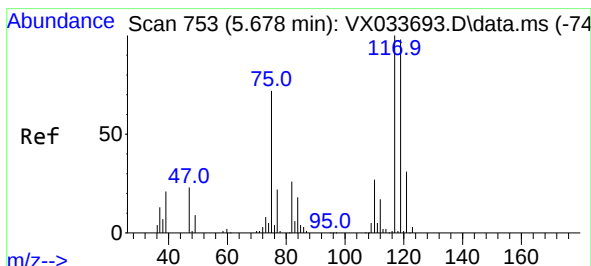
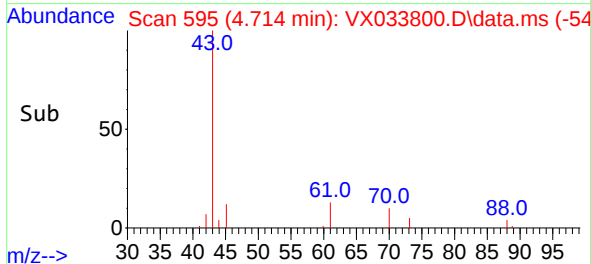
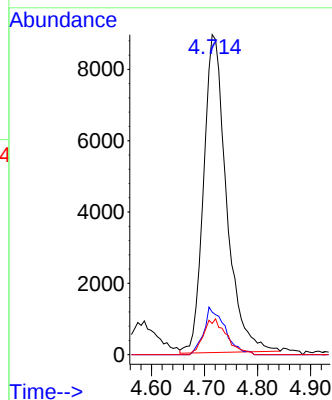
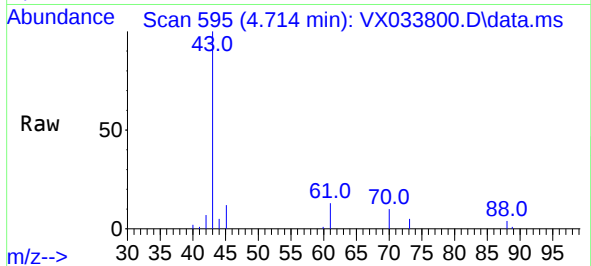




#37
Ethyl Acetate
Concen: 9.468 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

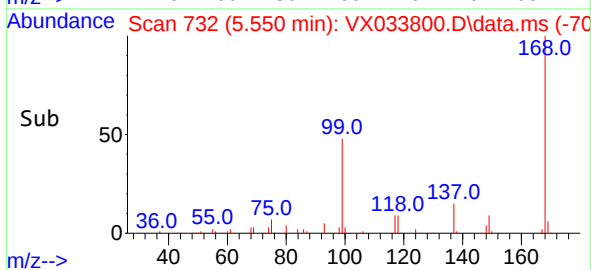
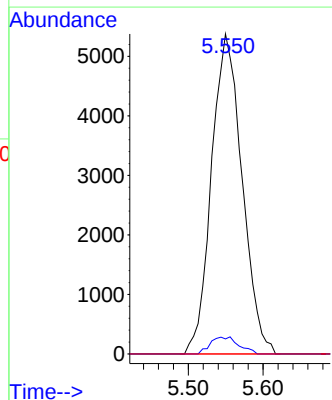
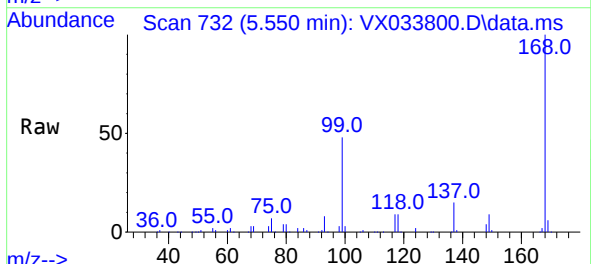
Instrument :
MSVOA_X
ClientSampleId :

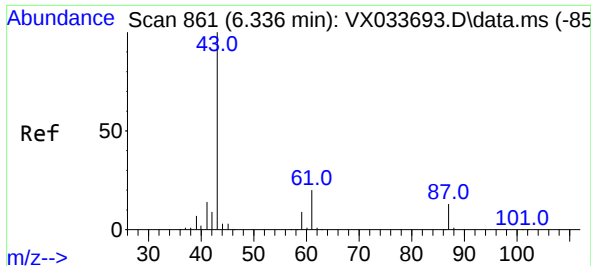
Tgt Ion: 43 Resp: 26734
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 11.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

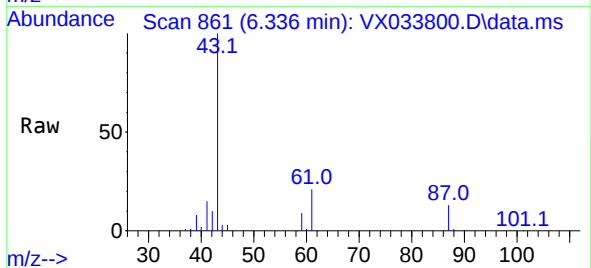
Tgt Ion: 117 Resp: 15279
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.4 36.6#



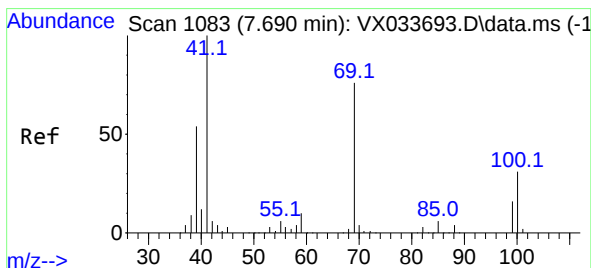
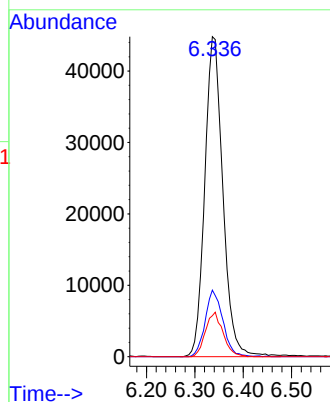
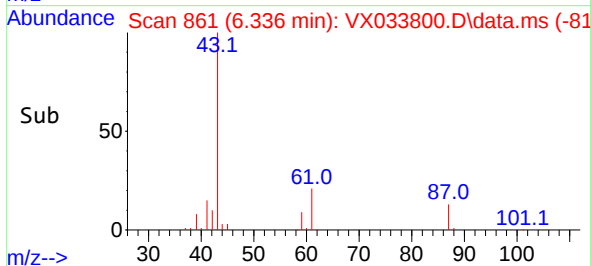


#43
Isopropyl Acetate
Concen: 31.067 ug/l
RT: 6.336 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

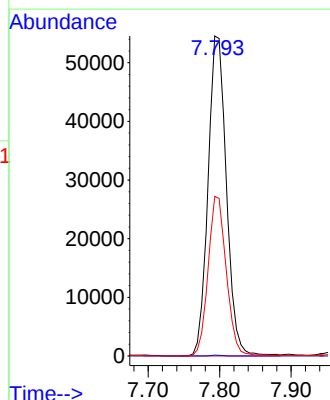
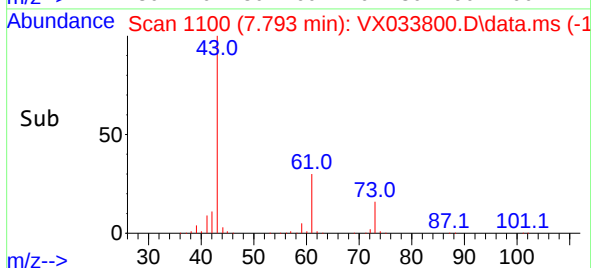
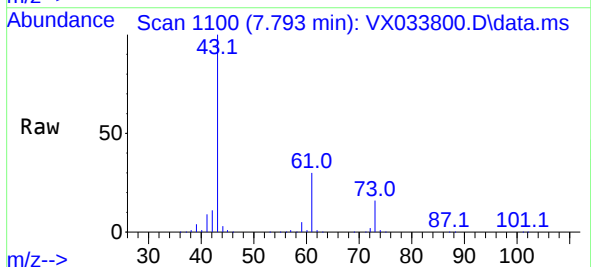


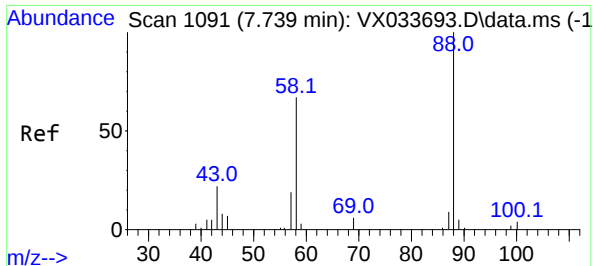
Tgt Ion: 43 Resp: 116601
Ion Ratio Lower Upper
43 100
61 20.3 15.7 23.5
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 51.565 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Tgt Ion: 41 Resp: 97492
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.4 43.2 64.8





#49

1,4-Dioxane

Concen: 3.682 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.061 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

ClientSampleId :

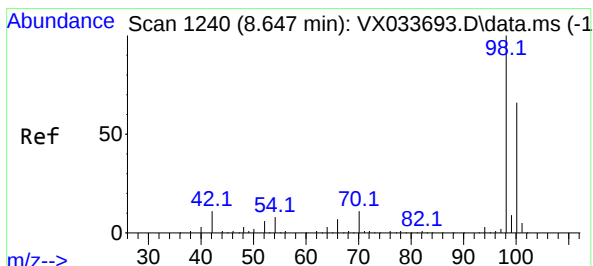
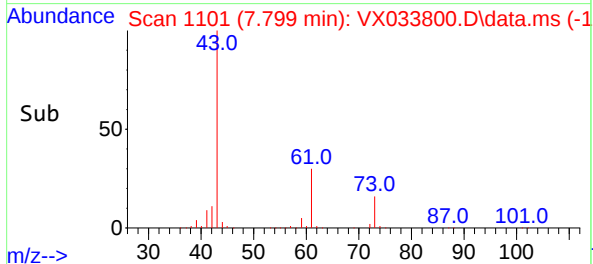
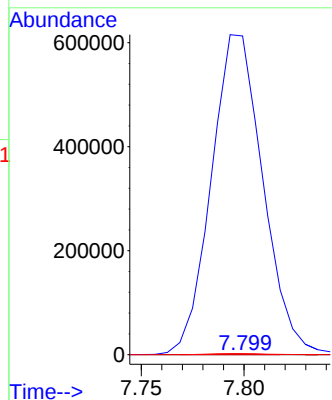
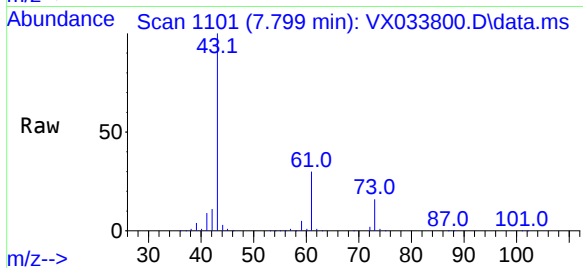
Tgt Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 705478.6 0.0 0.0#

58 2722.1 56.5 84.7#



#50

Toluene-d8

Concen: 50.453 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033800.D

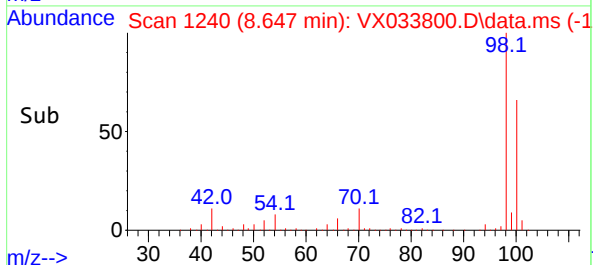
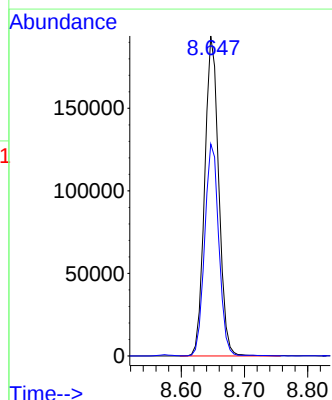
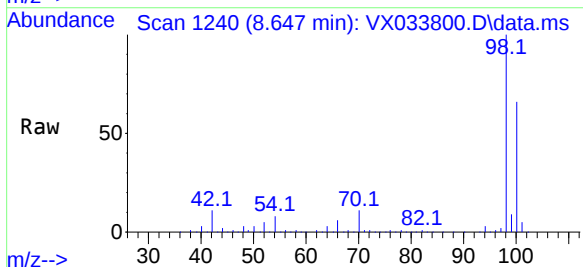
Acq: 19 Jan 2023 14:47

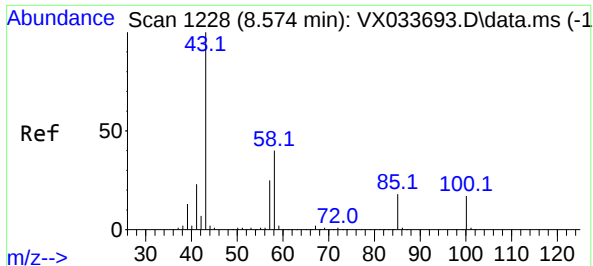
Tgt Ion: 98 Resp: 299456

Ion Ratio Lower Upper

98 100

100 67.1 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 38.255 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

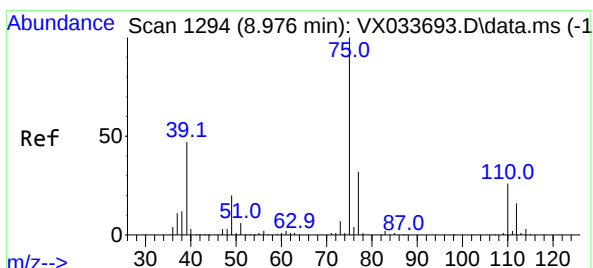
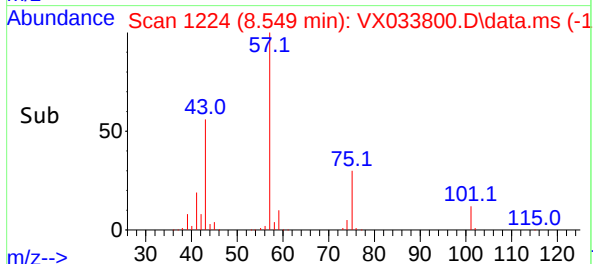
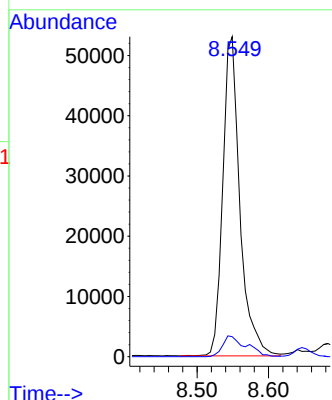
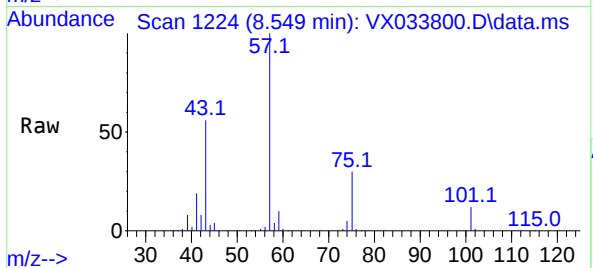
ClientSampleId :

Tgt Ion: 43 Resp: 88180

Ion Ratio Lower Upper

43 100

58 9.0 31.2 46.8#



#53

t-1,3-Dichloropropene

Concen: 0.332 ug/l

RT: 8.951 min Scan# 1290

Delta R.T. -0.025 min

Lab File: VX033800.D

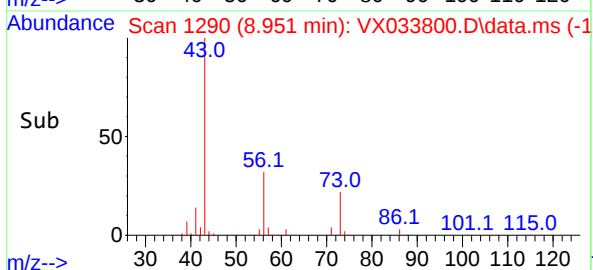
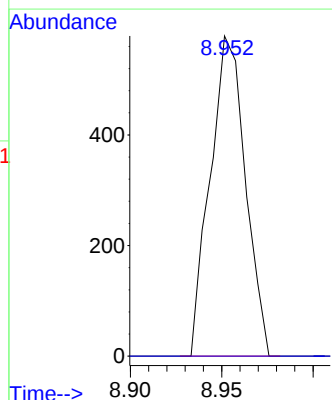
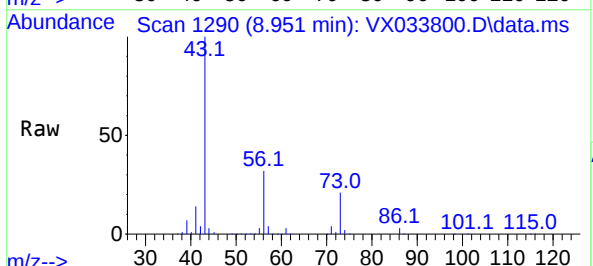
Acq: 19 Jan 2023 14:47

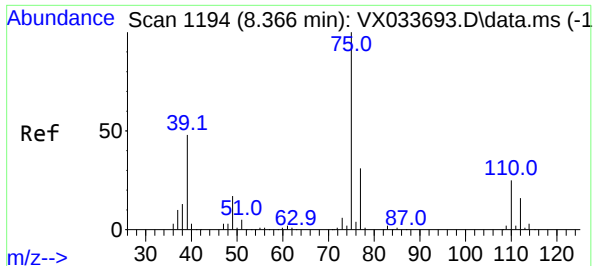
Tgt Ion: 75 Resp: 775

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

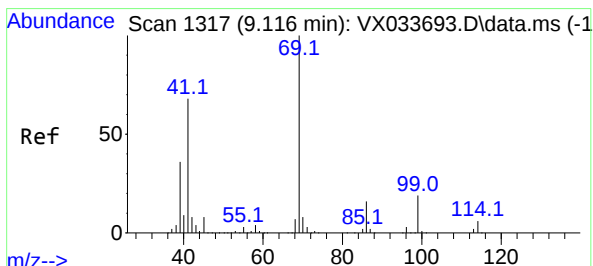
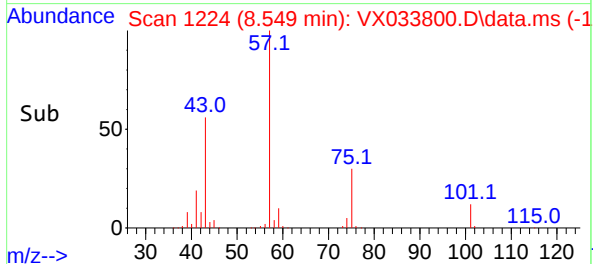
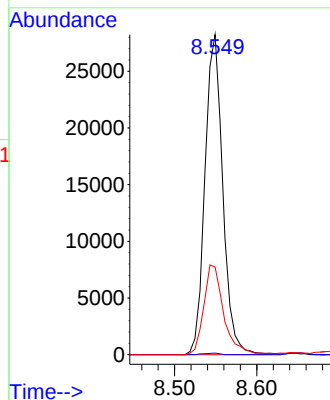
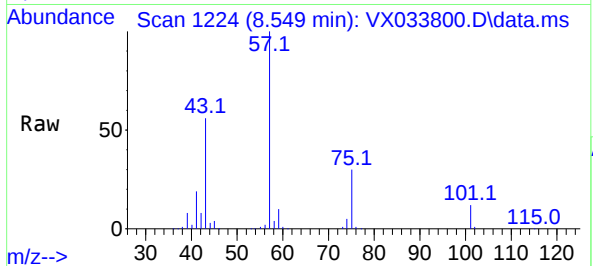




#54
cis-1,3-Dichloropropene
Concen: 16.273 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

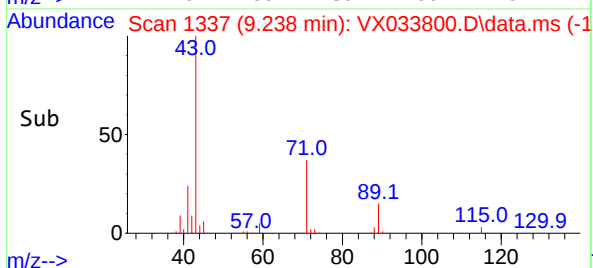
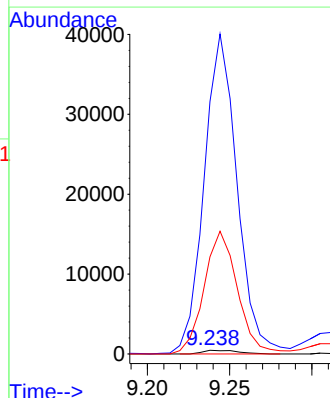
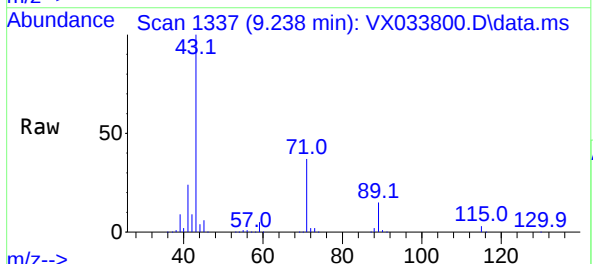
Instrument :
MSVOA_X
ClientSampleId :

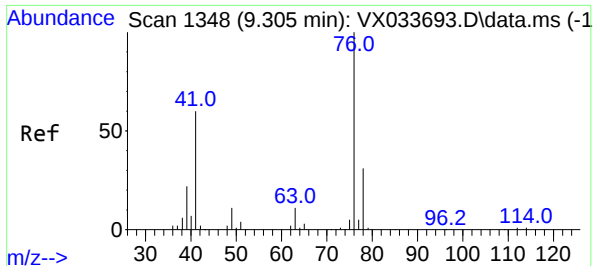
Tgt Ion: 75 Resp: 42612
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 27.4 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.277 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Tgt Ion: 69 Resp: 690
Ion Ratio Lower Upper
69 100
41 8120.4 55.1 82.7#
39 3153.2 28.5 42.7#

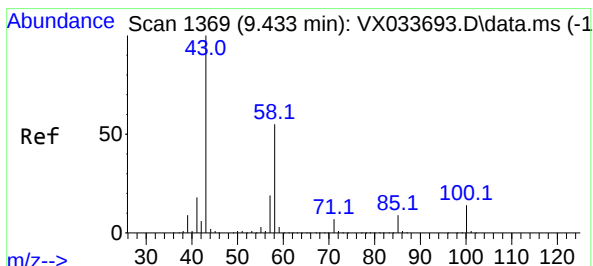
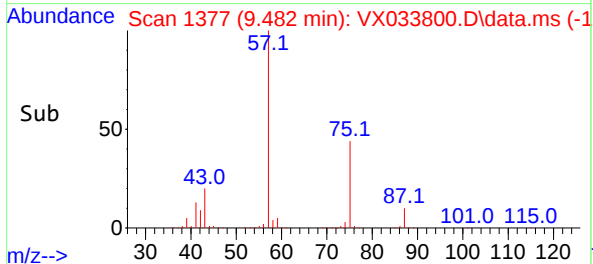
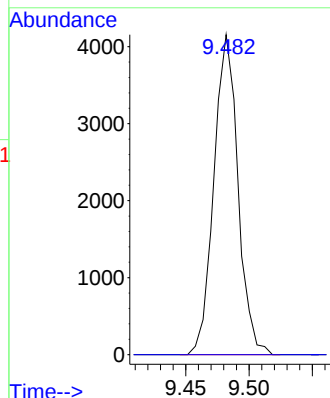
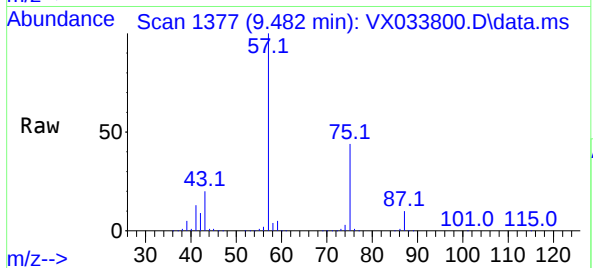




#57
1,3-Dichloropropane
Concen: 1.913 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

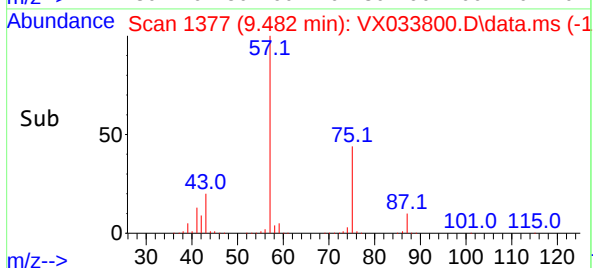
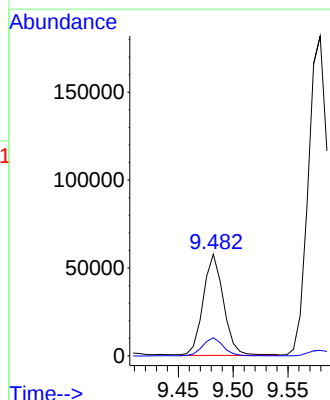
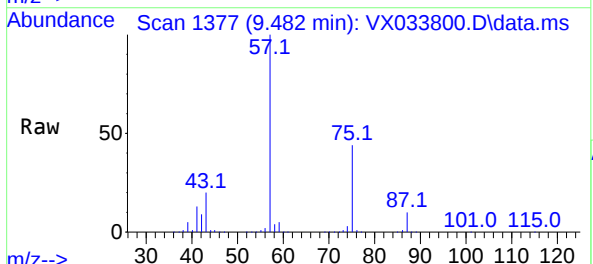
Instrument :
MSVOA_X
ClientSampleId :

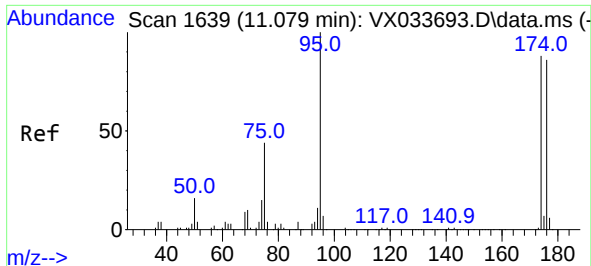
Tgt Ion: 76 Resp: 5495
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 46.261 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

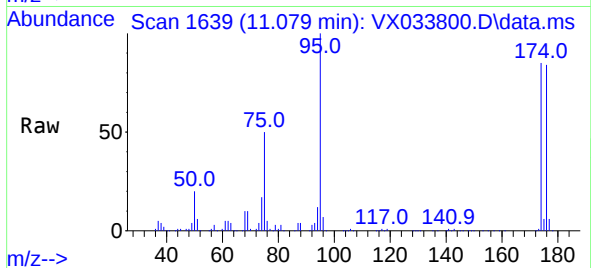
Tgt Ion: 43 Resp: 74219
Ion Ratio Lower Upper
43 100
58 18.8 27.4 82.0#



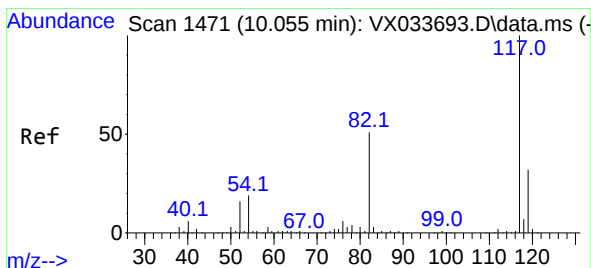
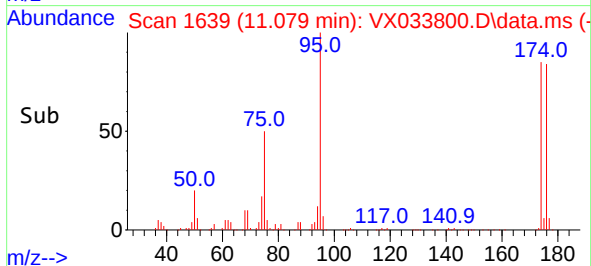
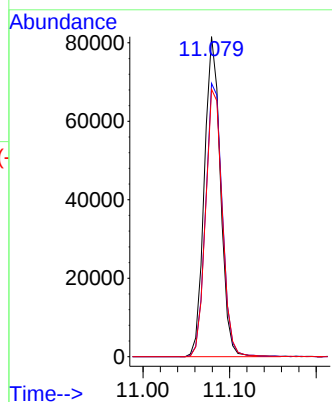


#62
4-Bromofluorobenzene
Concen: 47.637 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

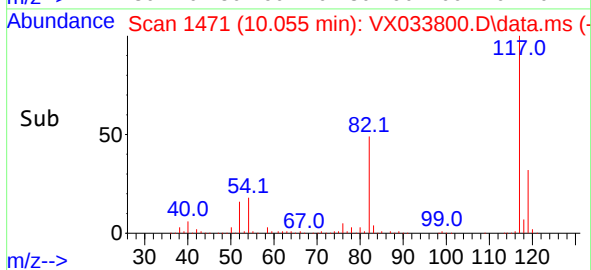
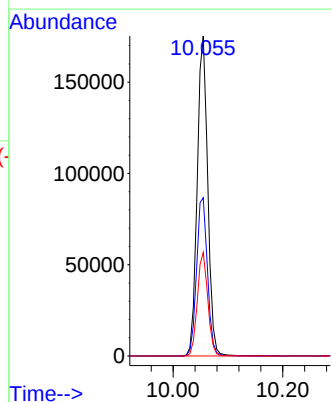
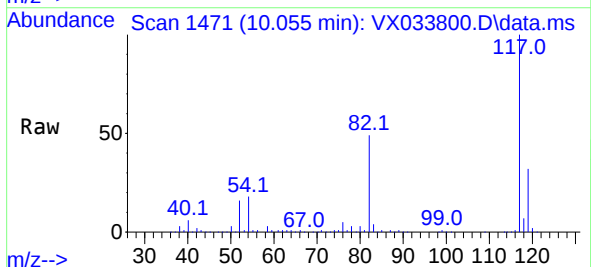


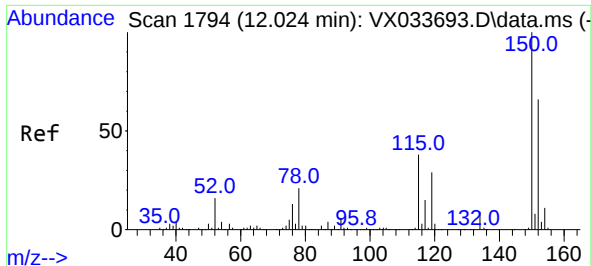
Tgt Ion: 95 Resp: 104976
Ion Ratio Lower Upper
95 100
174 88.5 0.0 184.4
176 86.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

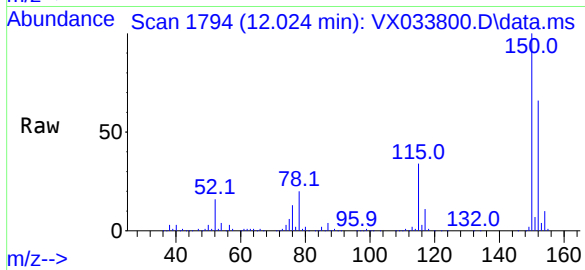
Tgt Ion: 117 Resp: 234801
Ion Ratio Lower Upper
117 100
82 49.4 40.6 60.8
119 32.3 25.6 38.4



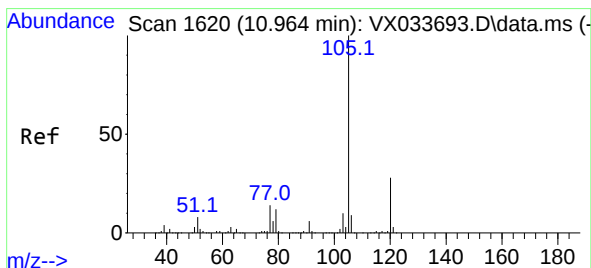
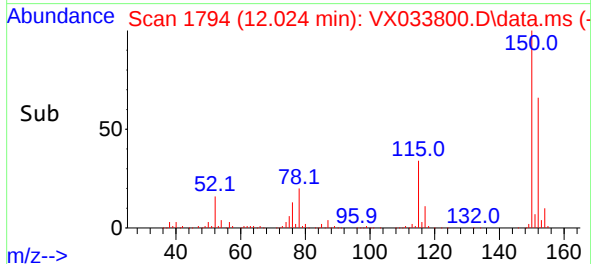
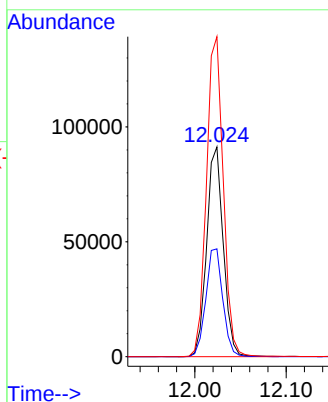


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

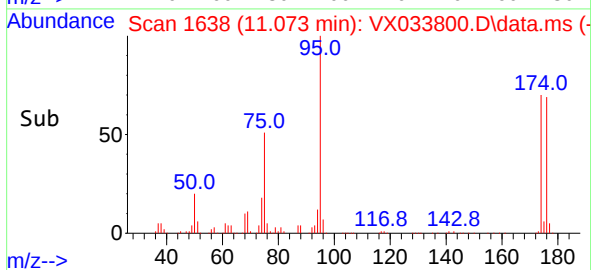
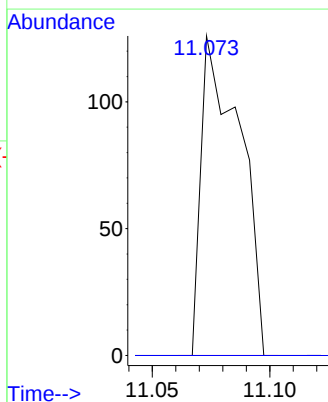
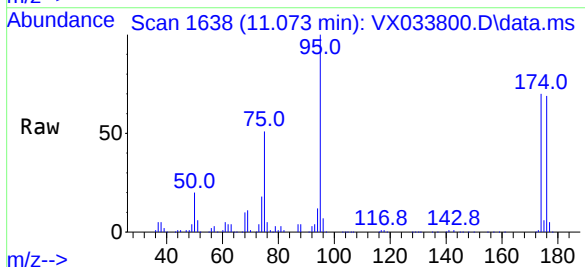


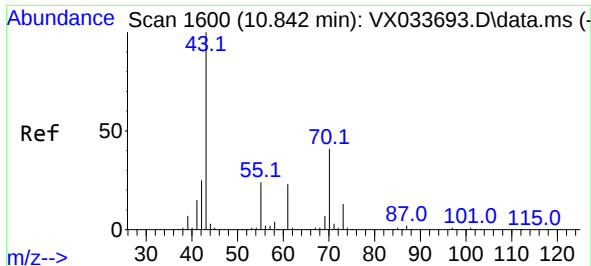
Tgt Ion:152 Resp: 114704
Ion Ratio Lower Upper
152 100
115 52.8 38.7 116.1
150 154.8 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.073 min Scan# 1638
Delta R.T. 0.109 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

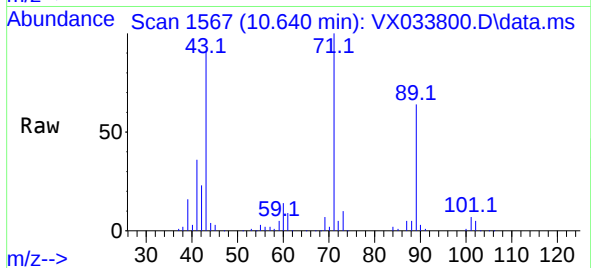
Tgt Ion:105 Resp: 145
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



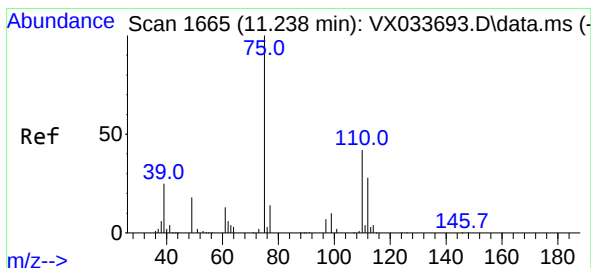
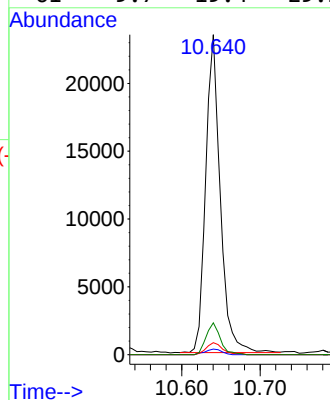
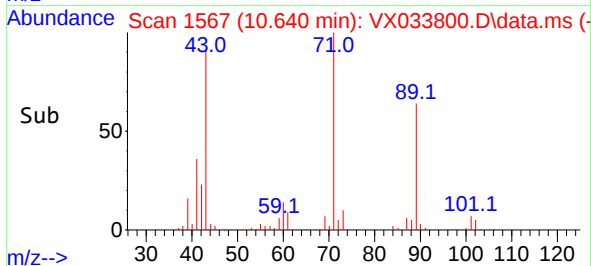


#74
N-amy1 acetate
Concen: 10.035 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.201 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Instrument :
MSVOA_X
ClientSampleId :

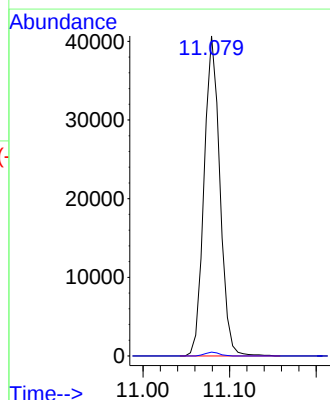
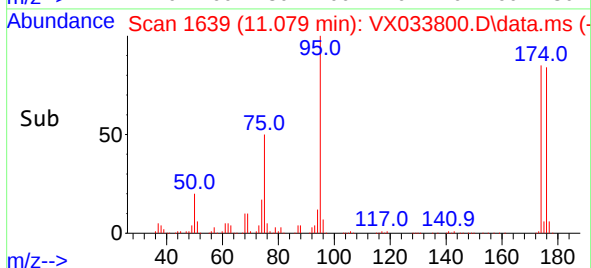
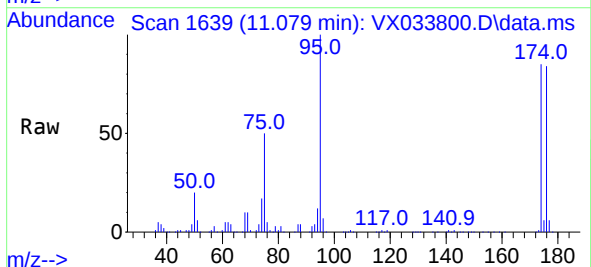


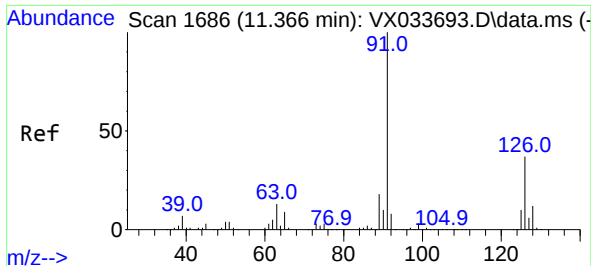
Tgt Ion: 43 Resp: 30226
Ion Ratio Lower Upper
43 100
70 2.0 34.8 52.2#
55 4.3 19.4 29.0#
61 9.7 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 24.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033800.D
Acq: 19 Jan 2023 14:47

Tgt Ion: 75 Resp: 51589
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.317 min Scan# 1

Delta R.T. -0.049 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

Instrument :

MSVOA_X

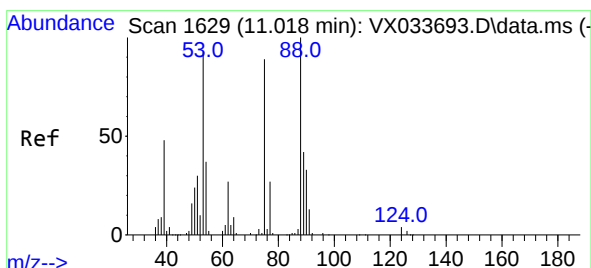
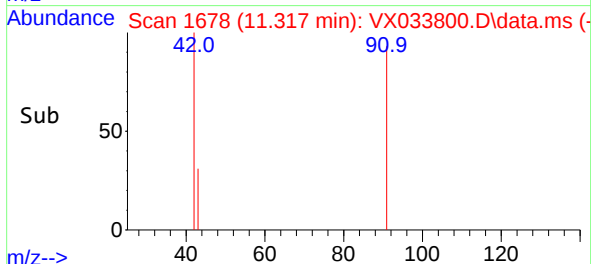
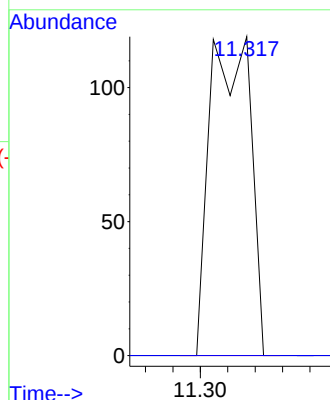
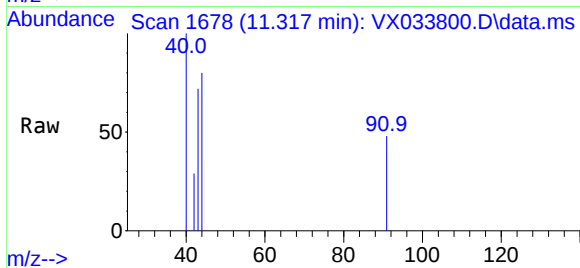
ClientSampleId :

Tgt Ion: 91 Resp: 122

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.077 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033800.D

Acq: 19 Jan 2023 14:47

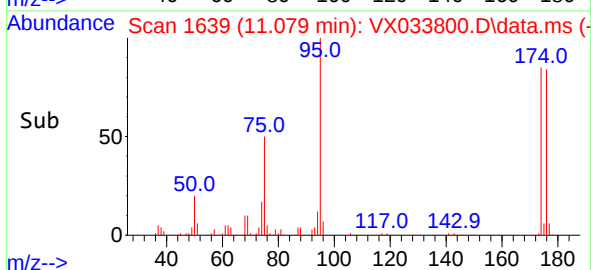
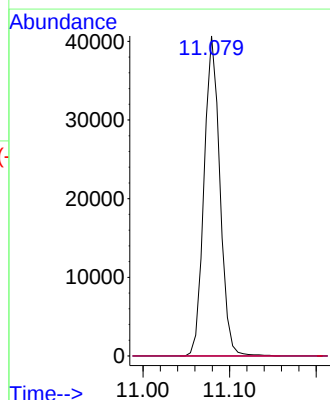
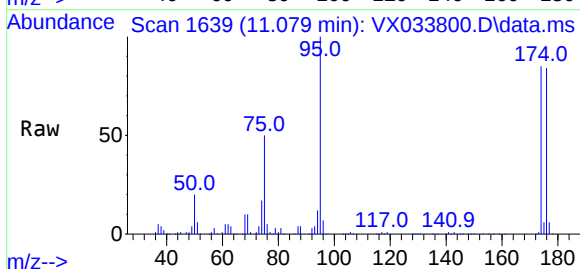
Tgt Ion: 75 Resp: 51589

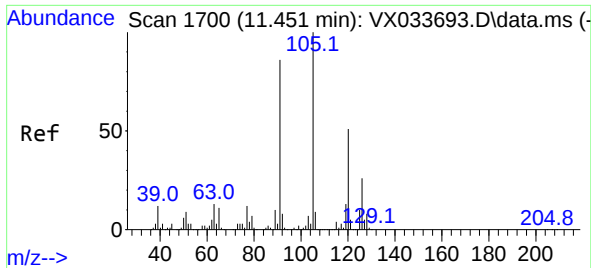
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

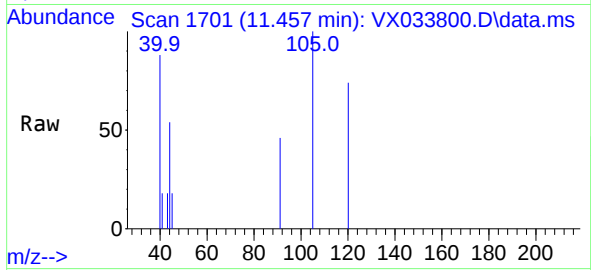
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033800.D
 Acq: 19 Jan 2023 14:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 91 Resp: 158
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

