

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033736.D
 Acq On : 13 Jan 2023 20:34
 Operator : JC/MD
 Sample : PB150223ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

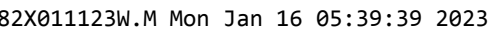
Instrument :
 MSVOA_X
 ClientSampleId :

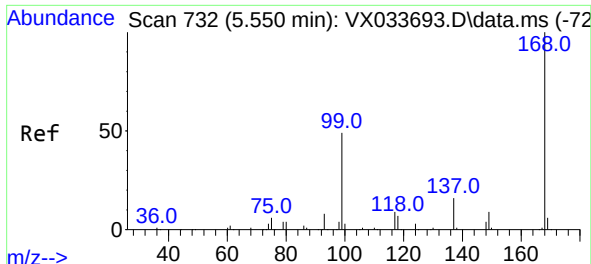
Quant Time: Jan 16 05:39:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	154205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218967	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88111	54.268	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.540%			
35) Dibromofluoromethane	5.385	113	72879	49.129	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.260%			
50) Toluene-d8	8.647	98	282449	52.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.520%			
62) 4-Bromofluorobenzene	11.079	95	99906	49.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.580%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	165	0.204	ug/l #	42
11) Tert butyl alcohol	2.941	59	2648	9.388	ug/l #	86
16) Acetone	2.392	43	33339	46.413	ug/l	96
17) Carbon Disulfide	2.508	76	174	1.875	ug/l #	76
18) Methyl Acetate	2.715	43	2195	0.969	ug/l	95
25) 2-Butanone	4.574	43	5676	5.350	ug/l	97
29) Tetrahydrofuran	5.032	42	268	0.401	ug/l #	55
31) Cyclohexane	5.550	56	2763	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10346	4.779	ug/l #	49
37) Ethyl Acetate	4.721	43	24516	9.556	ug/l	99
38) Carbon Tetrachloride	5.556	117	13999	6.243	ug/l #	15
43) Isopropyl Acetate	6.336	43	109823	32.132	ug/l	99
48) Methyl methacrylate	7.793	41	93826	54.496	ug/l #	45
49) 1,4-Dioxane	7.793	88	122	3.203	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86705	41.307	ug/l #	51
53) t-1,3-Dichloropropene	8.958	75	762	0.358	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38616	16.195	ug/l #	61
56) Ethyl methacrylate	9.244	69	686	0.302	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5385	2.059	ug/l #	43
59) 2-Hexanone	9.482	43	70499	48.255	ug/l #	50
73) Isopropylbenzene	11.073	105	117	Below Cal	#	48
74) N-amyl acetate	10.640	43	27124	10.993	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	46507	26.939	ug/l #	34
79) 2-Chlorotoluene	11.366	91	25	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46507	83.725	ug/l #	8
82) 4-Chlorotoluene	11.366	91	25	Below Cal	#	43

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

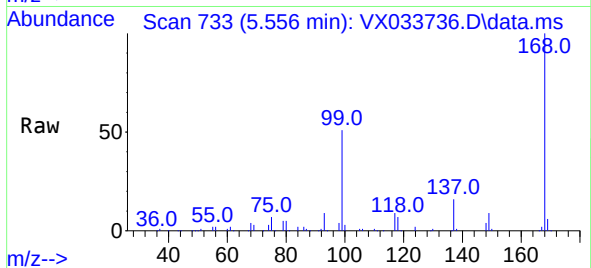
Quant Time: Jan 16 05:39:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



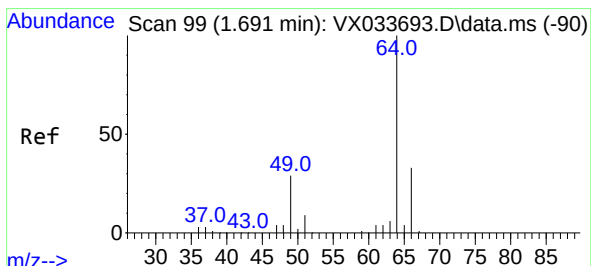
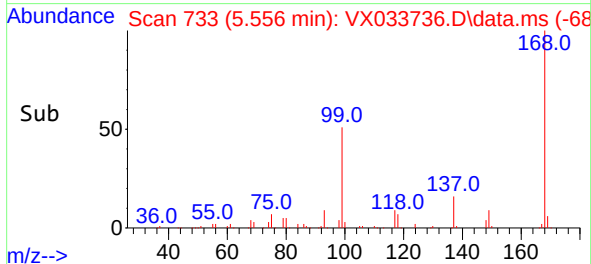
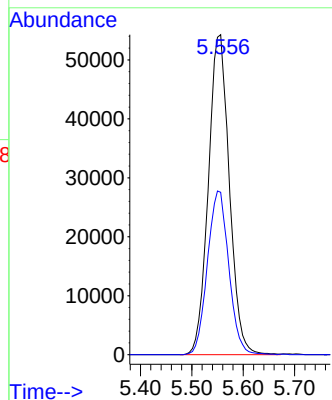


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :

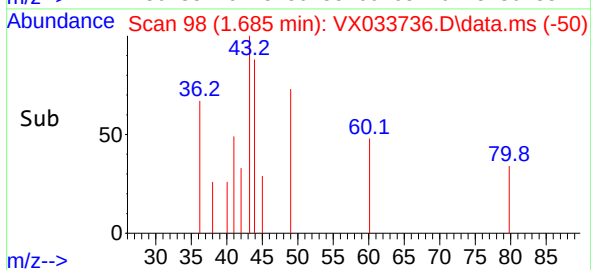
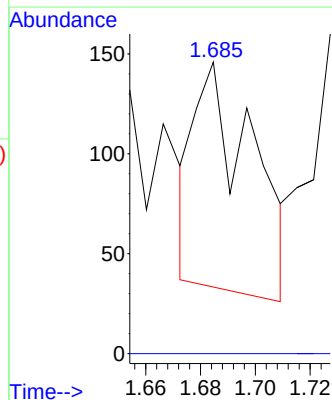
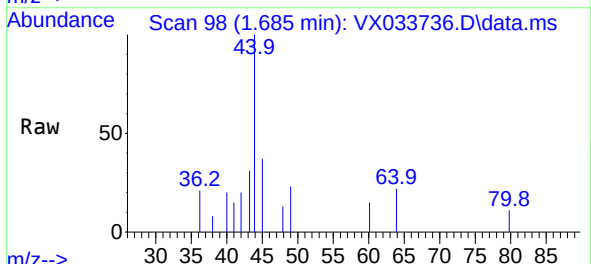


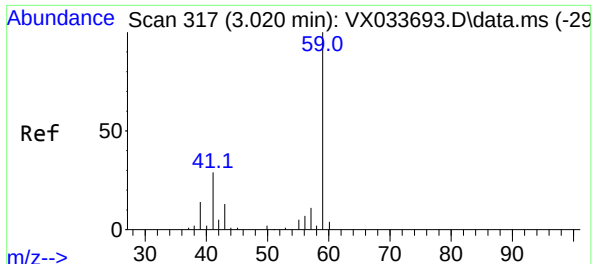
Tgt Ion:168 Resp: 154205
Ion Ratio Lower Upper
168 100
99 50.7 39.6 59.4



#6
Chloroethane
Concen: 0.204 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.006 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 9.388 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.079 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

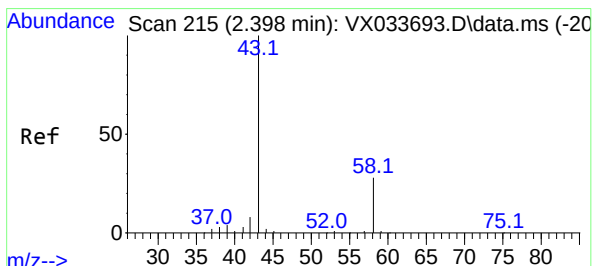
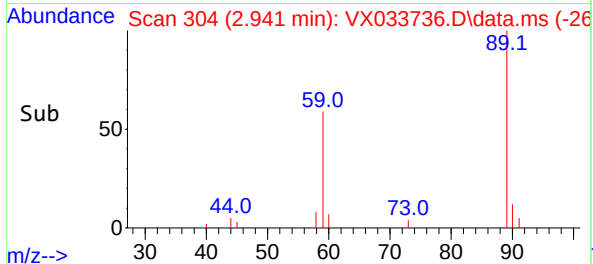
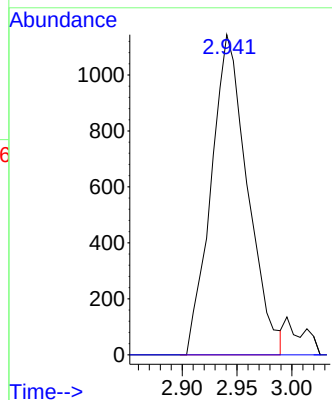
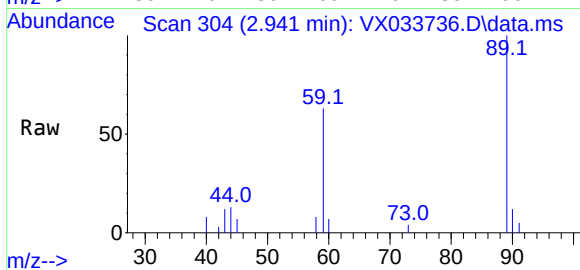
ClientSampleId :

Tgt Ion: 59 Resp: 2648

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#16

Acetone

Concen: 46.413 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX033736.D

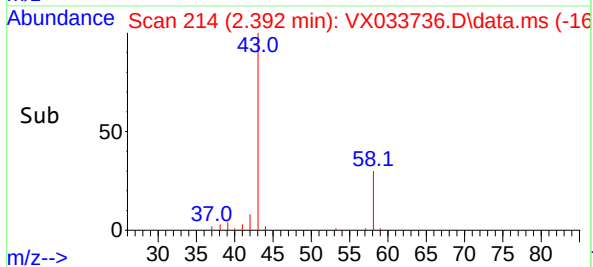
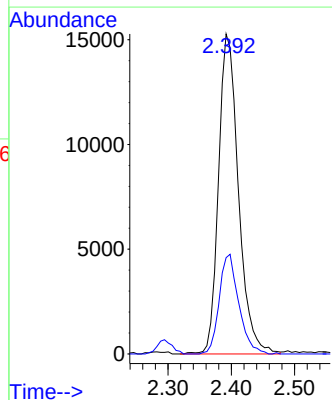
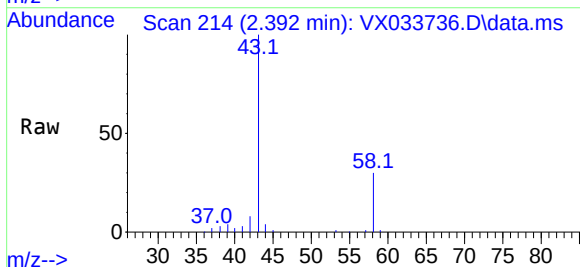
Acq: 13 Jan 2023 20:34

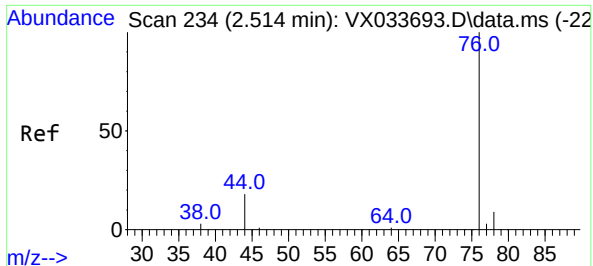
Tgt Ion: 43 Resp: 33339

Ion Ratio Lower Upper

43 100

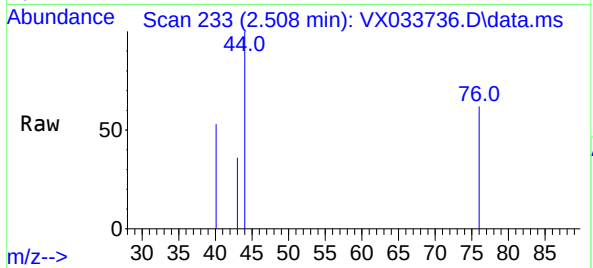
58 30.1 22.6 33.8



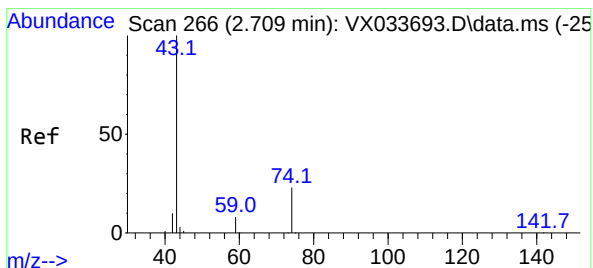
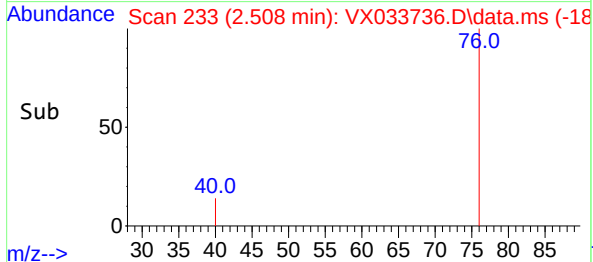
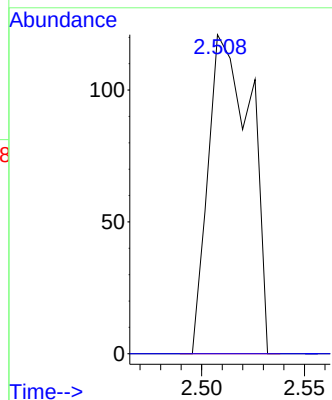


#17
Carbon Disulfide
Concen: 1.875 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :

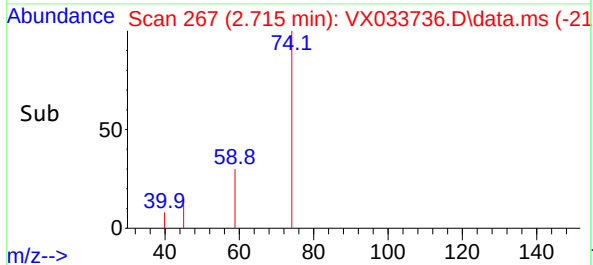
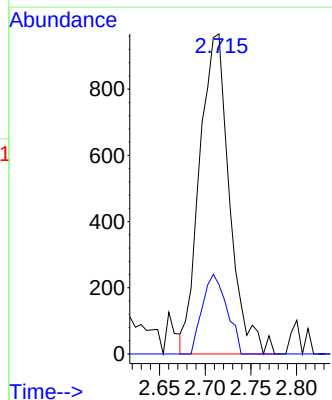
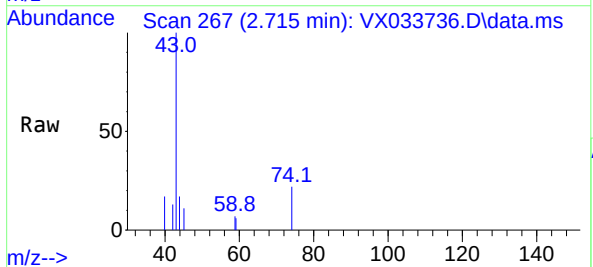


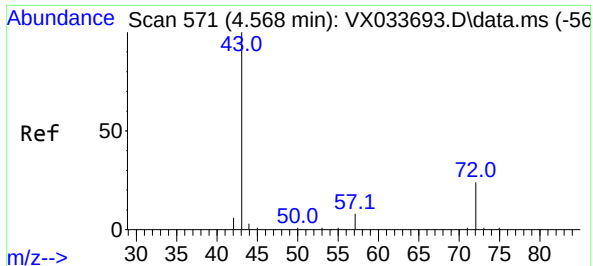
Tgt Ion: 76 Resp: 174
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.969 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 43 Resp: 2195
Ion Ratio Lower Upper
43 100
74 20.4 18.2 27.4





#25

2-Butanone

Concen: 5.350 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

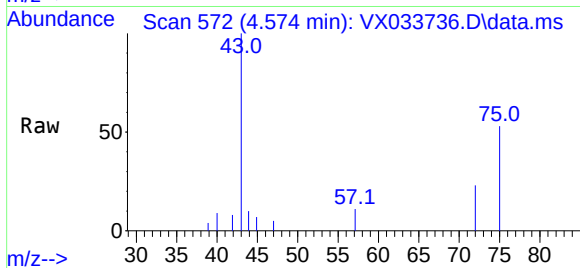
Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

ClientSampleId :

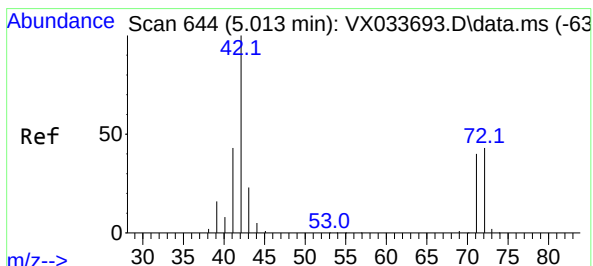
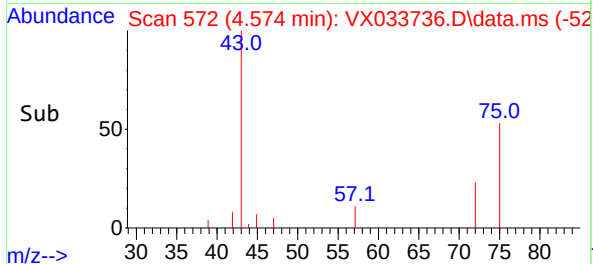
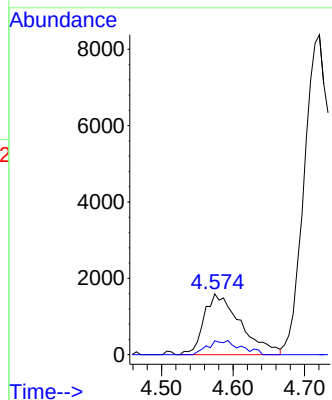


Tgt Ion: 43 Resp: 5676

Ion Ratio Lower Upper

43 100

72 22.9 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.401 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

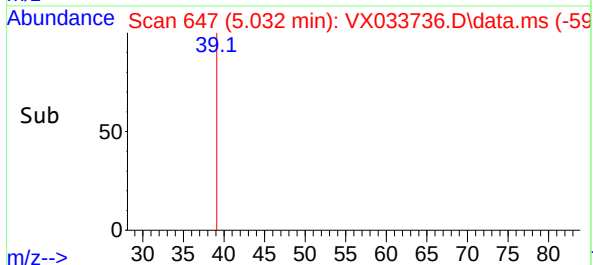
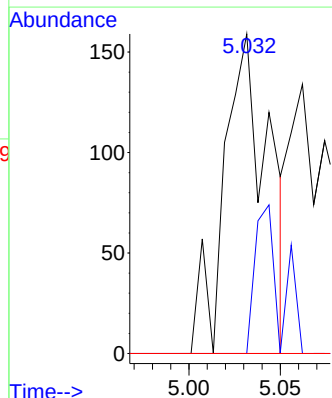
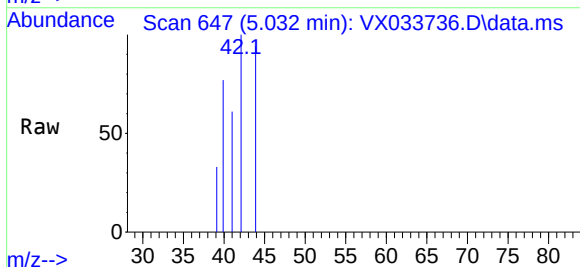
Tgt Ion: 42 Resp: 268

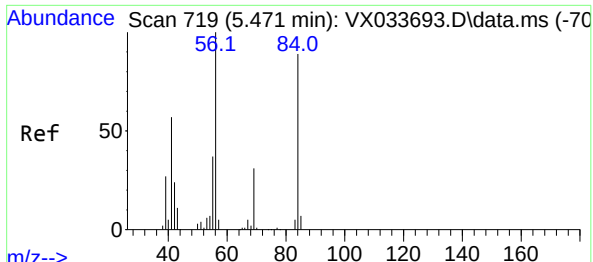
Ion Ratio Lower Upper

42 100

72 26.5 34.8 52.2#

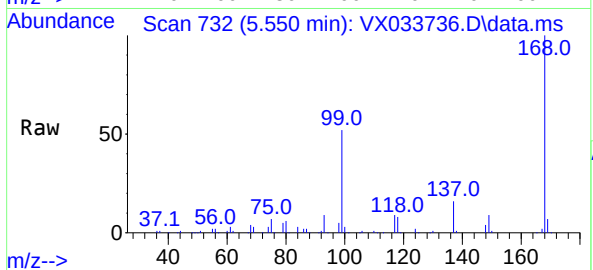
71 0.0 32.2 48.2#



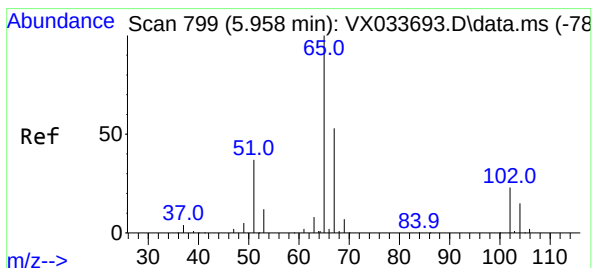
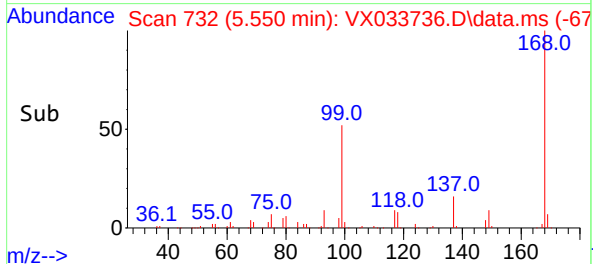
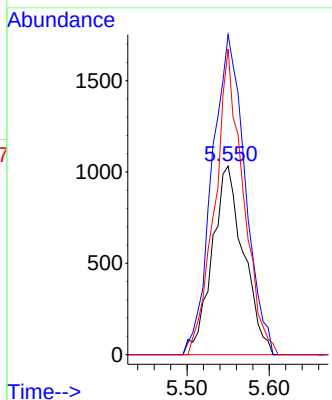


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :

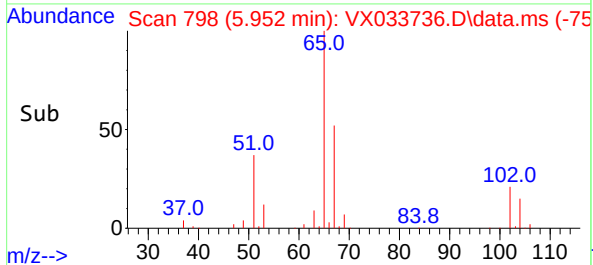
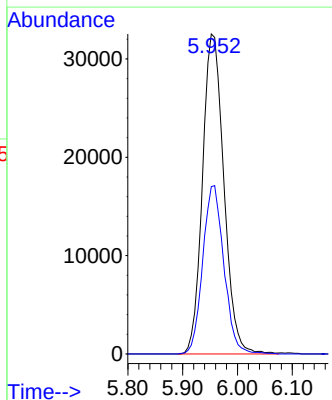
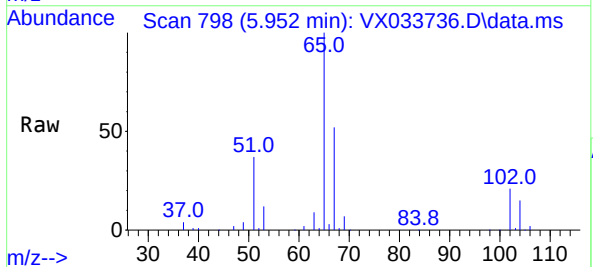


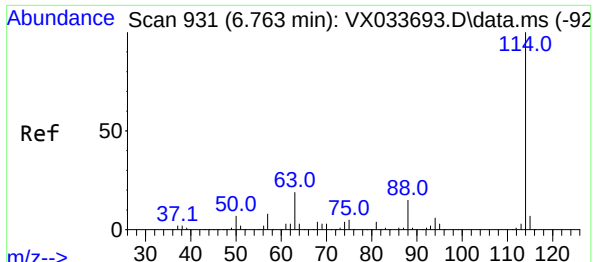
Tgt Ion: 56 Resp: 2763
Ion Ratio Lower Upper
56 100
69 169.8 24.6 37.0#
84 162.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 54.268 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

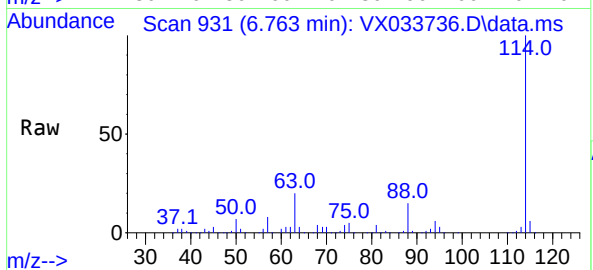
Tgt Ion: 65 Resp: 88111
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



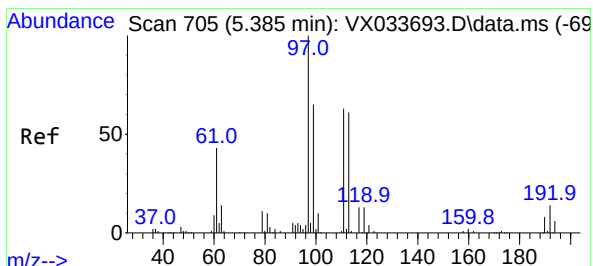
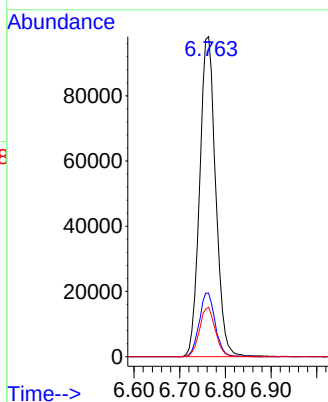
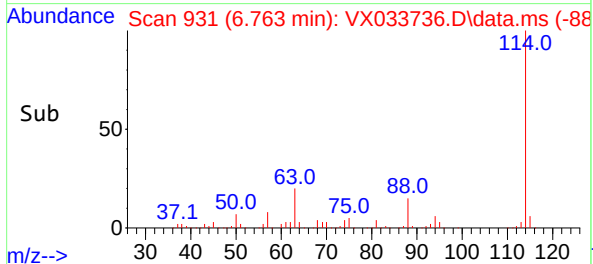


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :

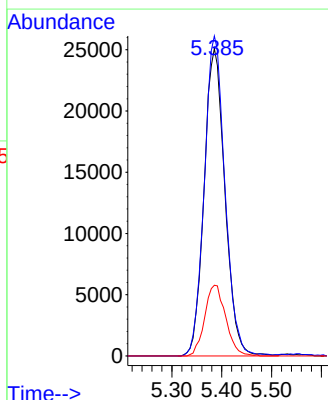
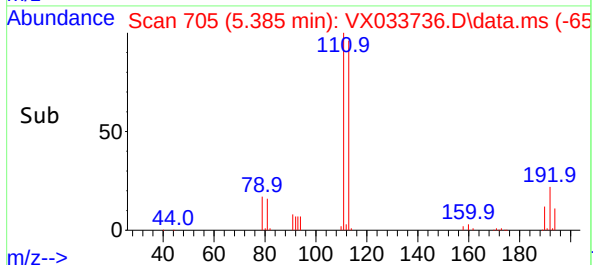
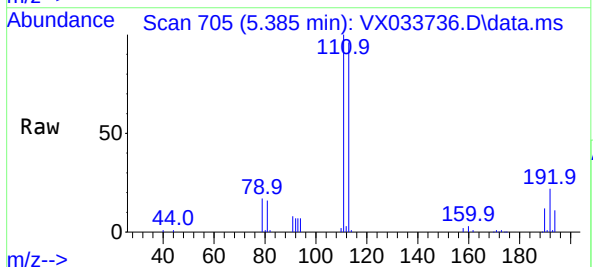


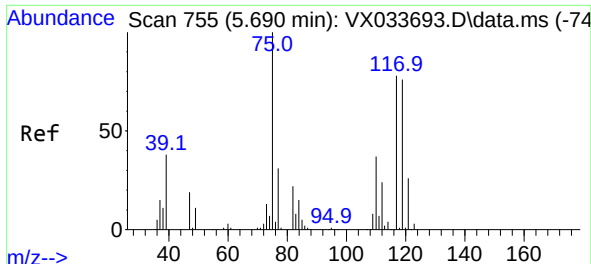
Tgt Ion:114 Resp: 238897
Ion Ratio Lower Upper
114 100
63 19.8 0.0 37.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.129 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion:113 Resp: 72879
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.6
192 23.2 19.0 28.4





#36

1,1-Dichloropropene

Concen: 4.779 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

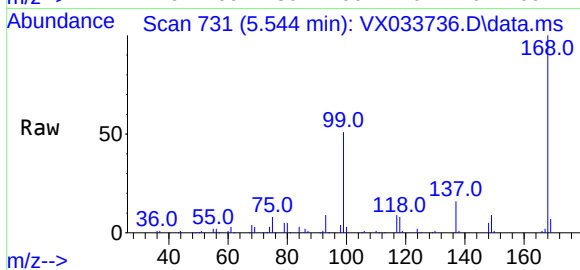
Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

ClientSampleId :



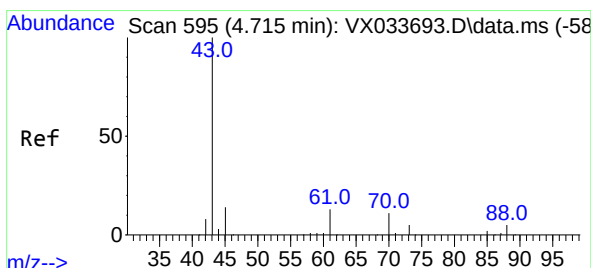
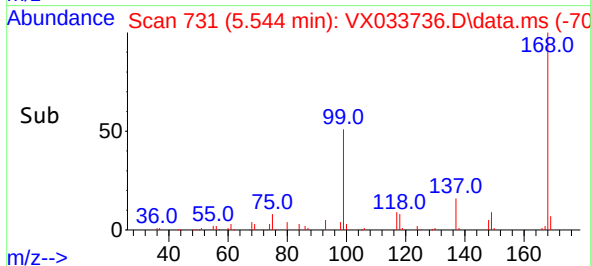
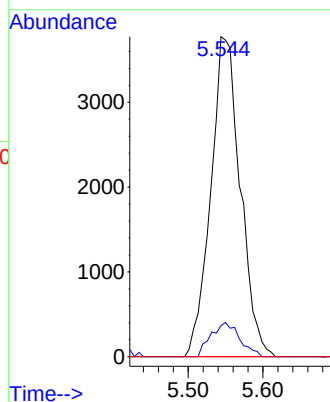
Tgt Ion: 75 Resp: 10346

Ion Ratio Lower Upper

75 100

110 10.4 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 9.556 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

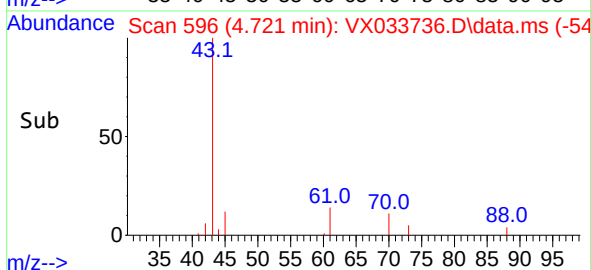
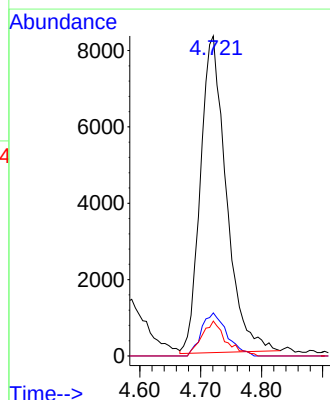
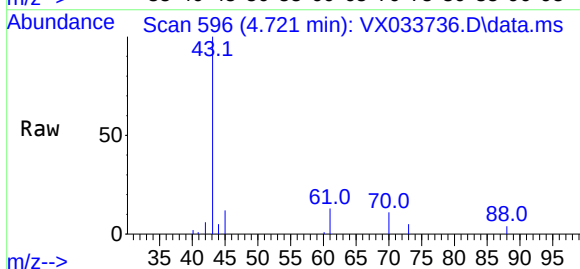
Tgt Ion: 43 Resp: 24516

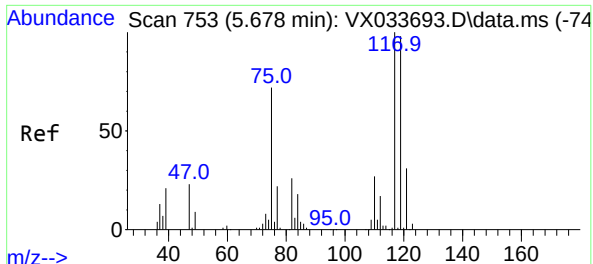
Ion Ratio Lower Upper

43 100

61 13.4 11.1 16.7

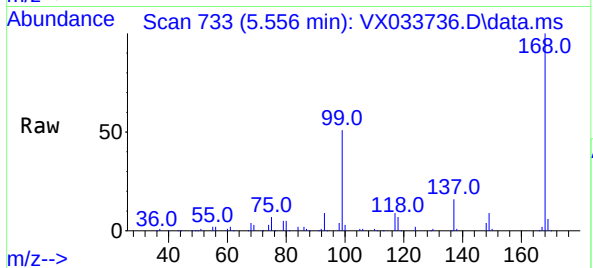
70 10.3 8.5 12.7



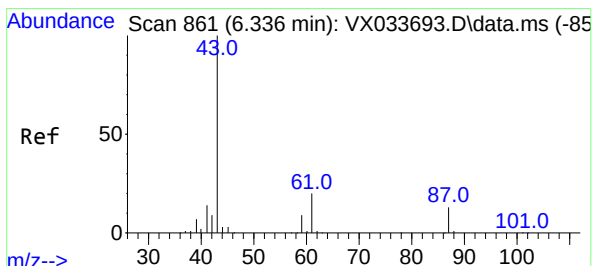
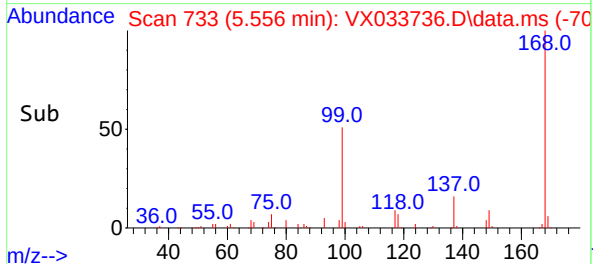
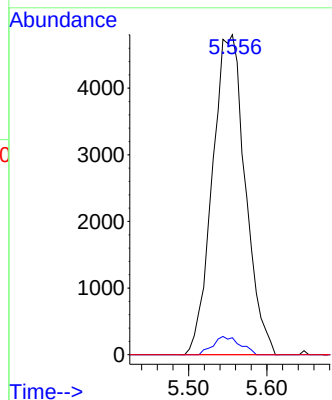


#38
Carbon Tetrachloride
Concen: 6.243 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :

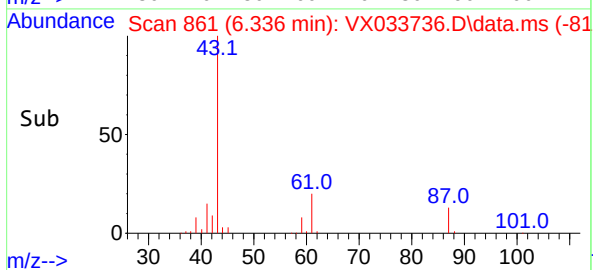
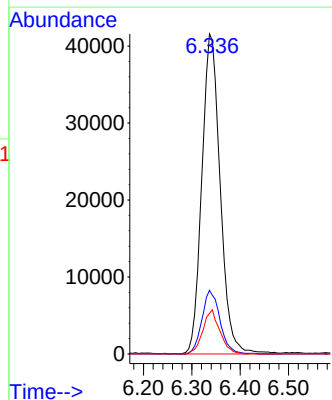
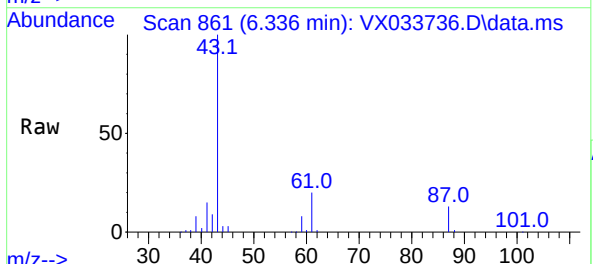


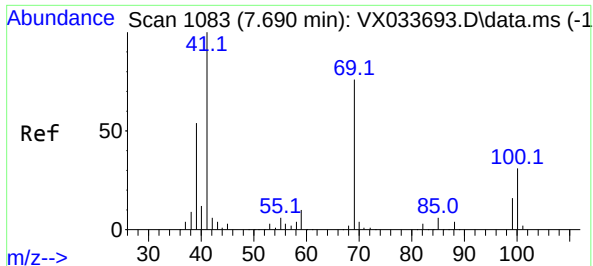
Tgt Ion:117 Resp: 13999
Ion Ratio Lower Upper
117 100
119 5.3 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.132 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 43 Resp: 109823
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.7 10.6 15.8





#48

Methyl methacrylate

Concen: 54.496 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX033736.D

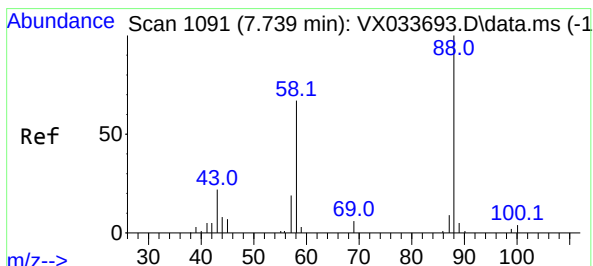
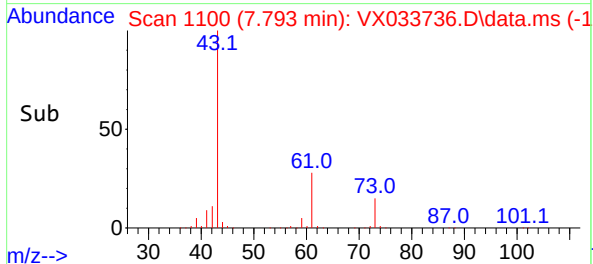
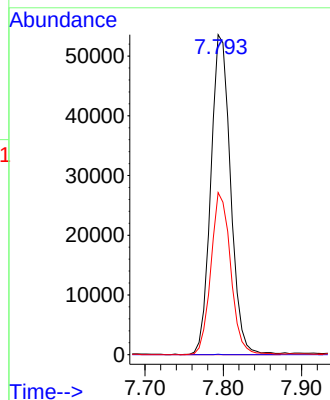
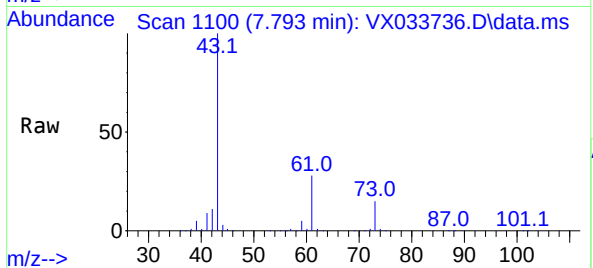
Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 41	Resp: 93826
Ion Ratio	Lower Upper
41 100	
69 0.0	63.1 94.7#
39 50.8	43.2 64.8



#49

1,4-Dioxane

Concen: 3.203 ug/l

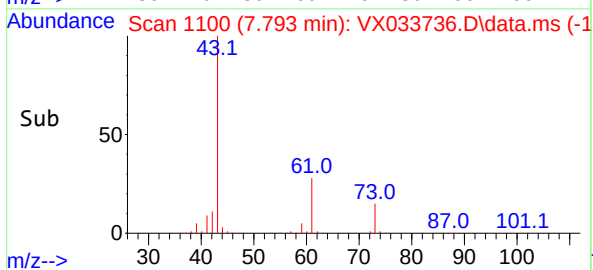
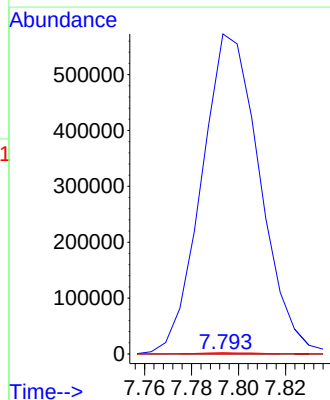
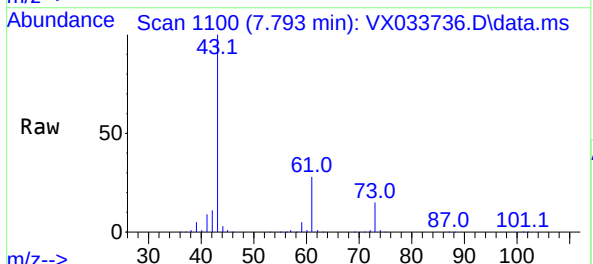
RT: 7.793 min Scan# 1100

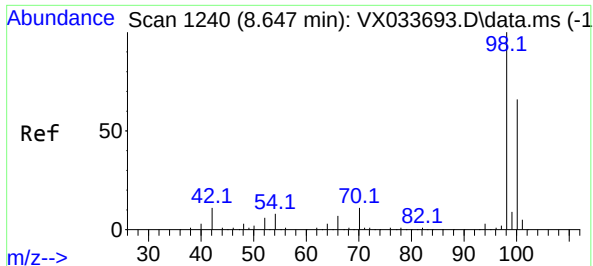
Delta R.T. 0.055 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Tgt Ion: 88	Resp: 122
Ion Ratio	Lower Upper
88 100	
43 818680.3	0.0 0.0#
58 3318.9	56.5 84.7#

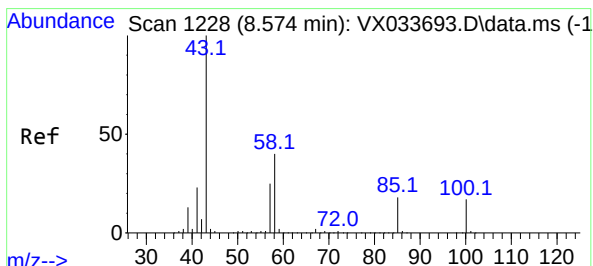
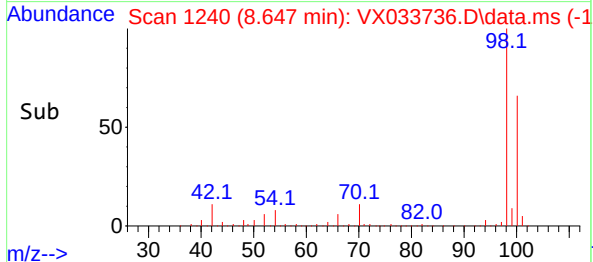
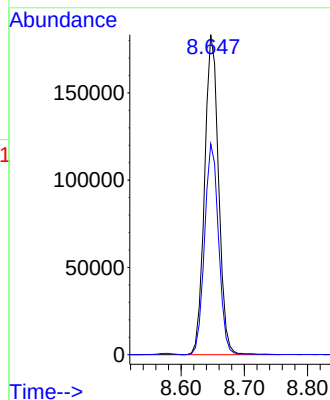
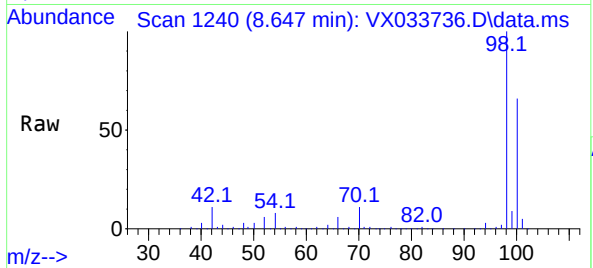




#50
Toluene-d8
Concen: 52.258 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

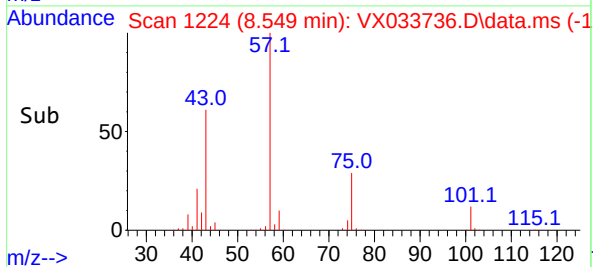
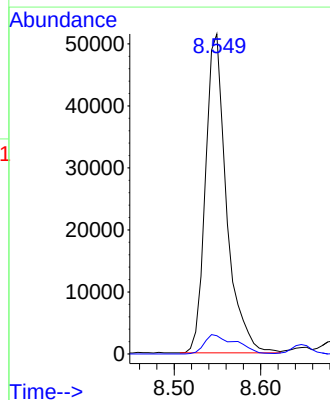
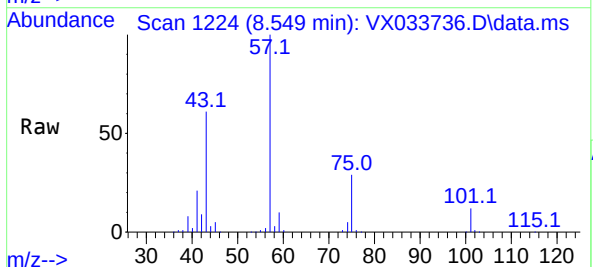
Instrument :
MSVOA_X
ClientSampleId :

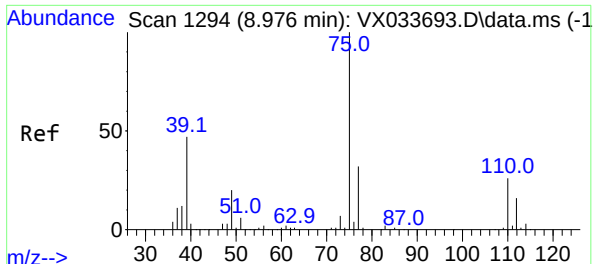
Tgt Ion: 98 Resp: 282449
Ion Ratio Lower Upper
98 100
100 66.2 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 41.307 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 43 Resp: 86705
Ion Ratio Lower Upper
43 100
58 9.1 31.2 46.8#





#53

t-1,3-Dichloropropene

Concen: 0.358 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

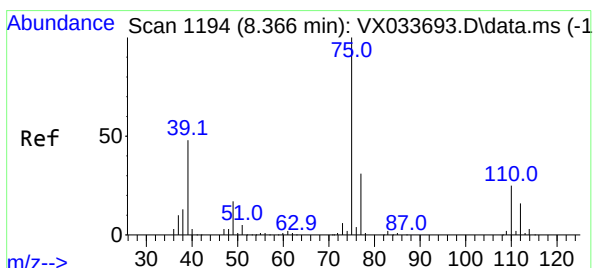
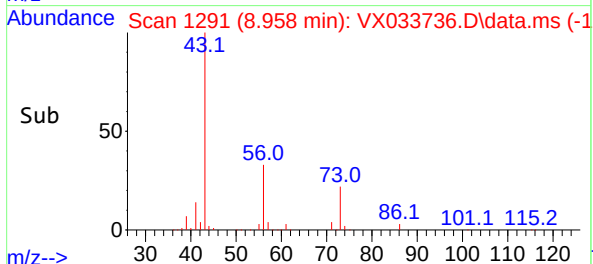
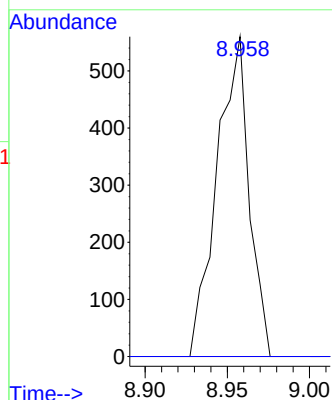
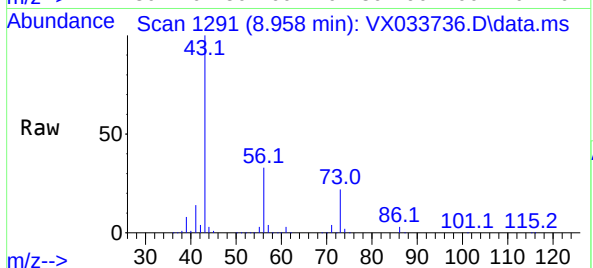
ClientSampleId :

Tgt Ion: 75 Resp: 762

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#



#54

cis-1,3-Dichloropropene

Concen: 16.195 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

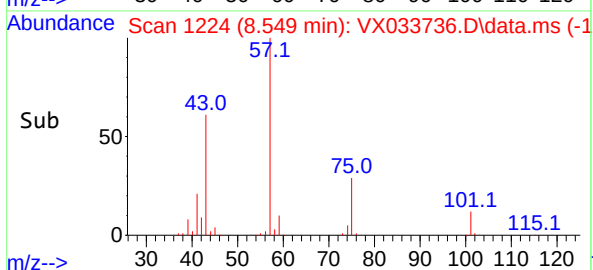
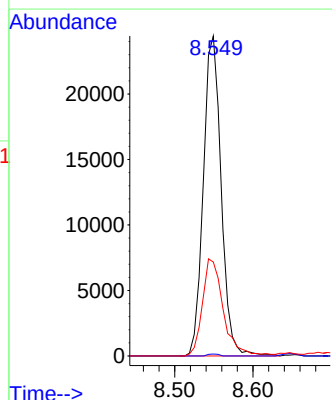
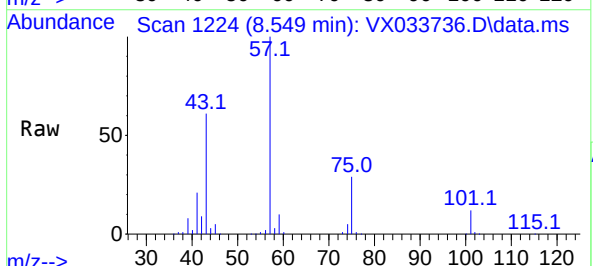
Tgt Ion: 75 Resp: 38616

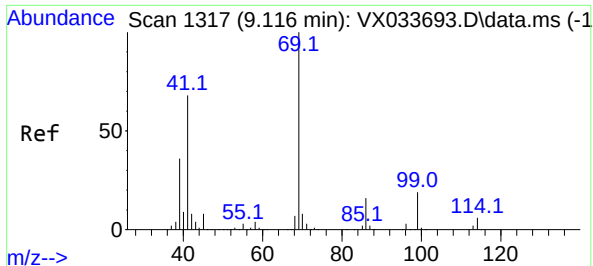
Ion Ratio Lower Upper

75 100

77 0.6 25.0 37.6#

39 29.3 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.302 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

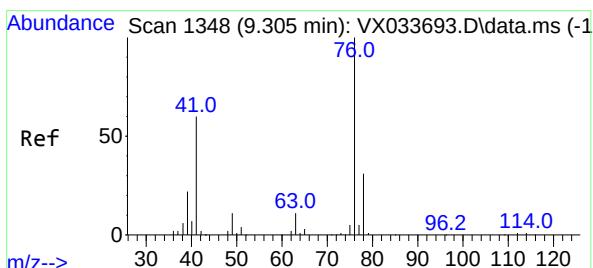
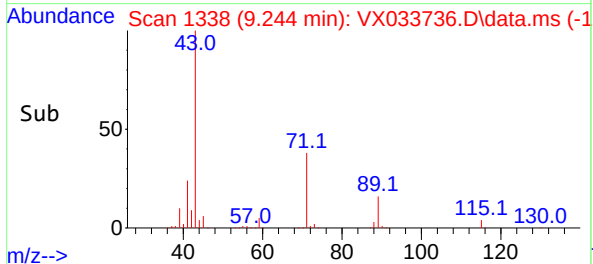
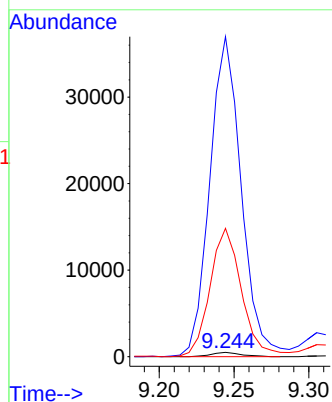
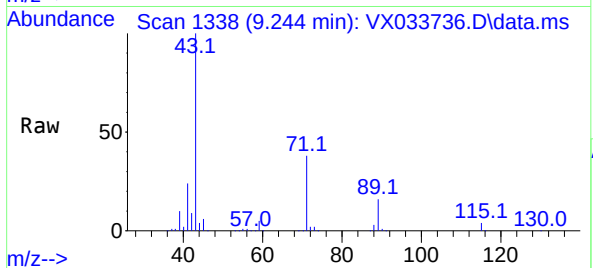
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 69 Resp: 686

Ion	Ratio	Lower	Upper
69	100		
41	7923.8	55.1	82.7#
39	3183.5	28.5	42.7#



#57

1,3-Dichloropropane

Concen: 2.059 ug/l

RT: 9.482 min Scan# 1377

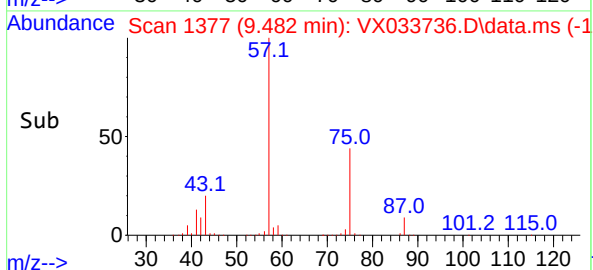
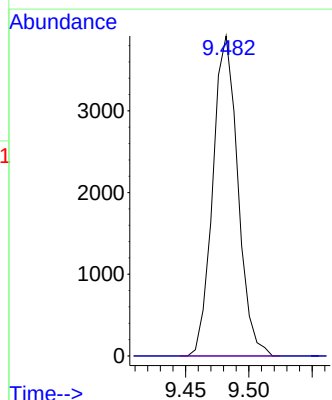
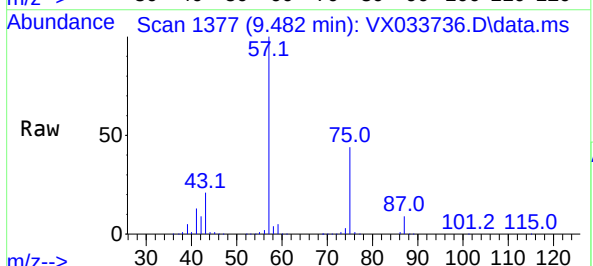
Delta R.T. 0.177 min

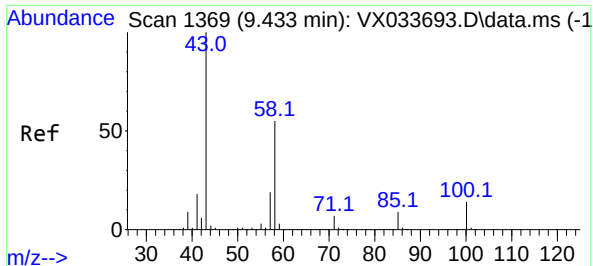
Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Tgt Ion: 76 Resp: 5385

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#





#59

2-Hexanone

Concen: 48.255 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

Instrument :

MSVOA_X

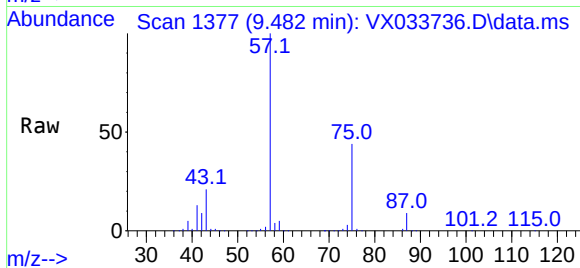
ClientSampleId :

Tgt Ion: 43 Resp: 70499

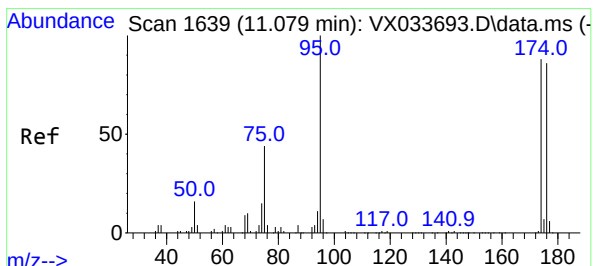
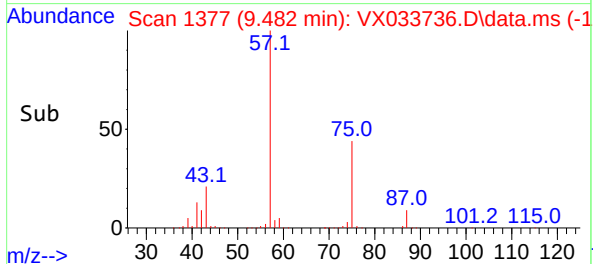
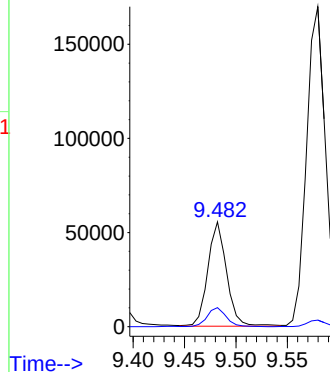
Ion Ratio Lower Upper

43 100

58 18.7 27.4 82.0#



Abundance



#62

4-Bromofluorobenzene

Concen: 49.785 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033736.D

Acq: 13 Jan 2023 20:34

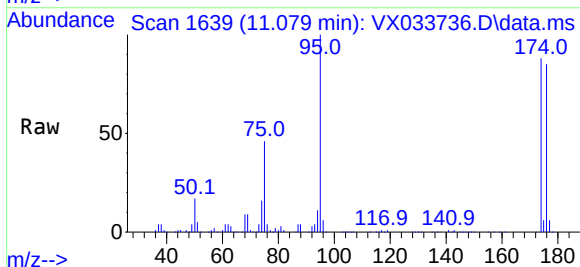
Tgt Ion: 95 Resp: 99906

Ion Ratio Lower Upper

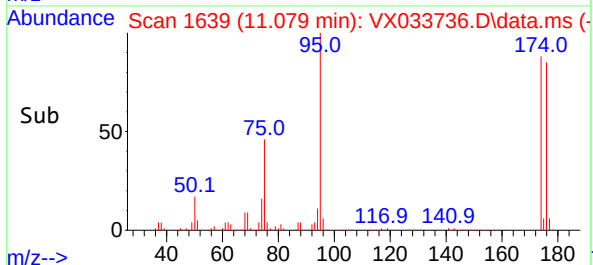
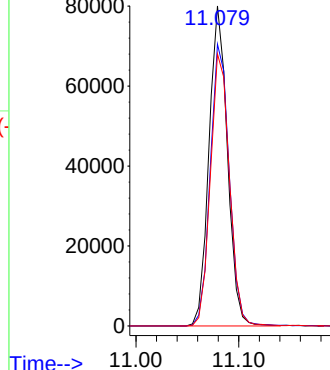
95 100

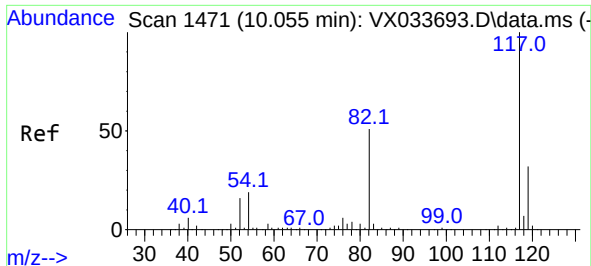
174 90.8 0.0 184.4

176 87.8 0.0 178.8



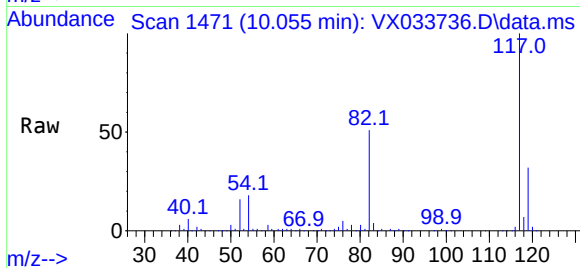
Abundance



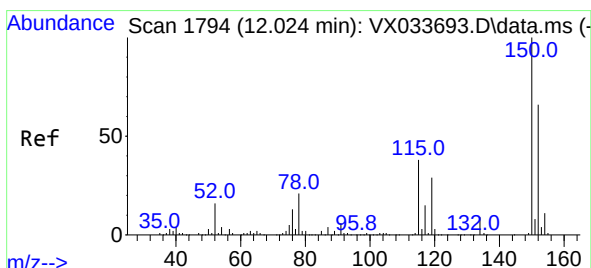
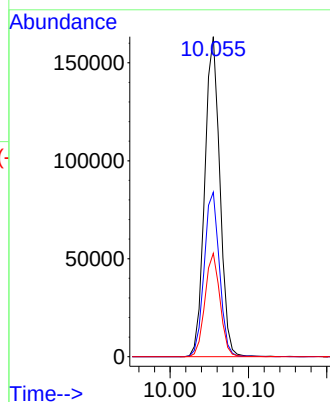
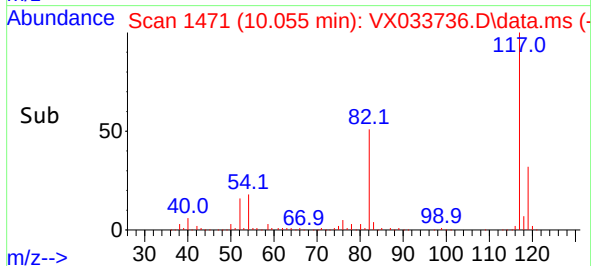


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

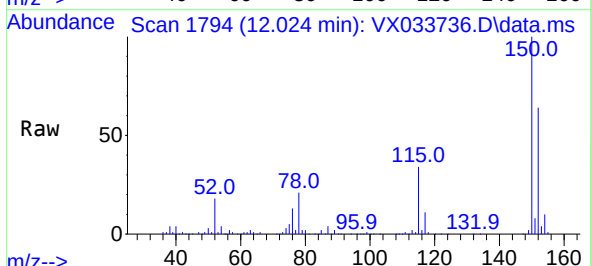
Instrument :
MSVOA_X
ClientSampleId :



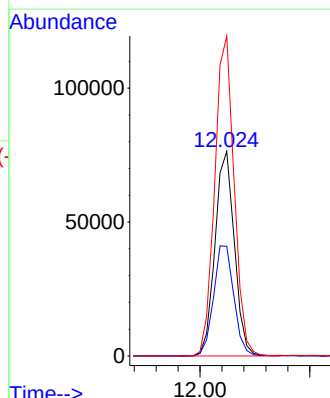
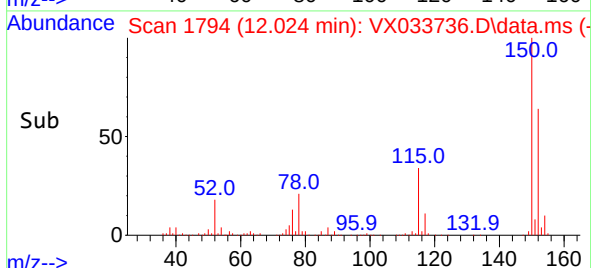
Tgt Ion:117 Resp: 218967
Ion Ratio Lower Upper
117 100
82 51.4 40.6 60.8
119 32.3 25.6 38.4

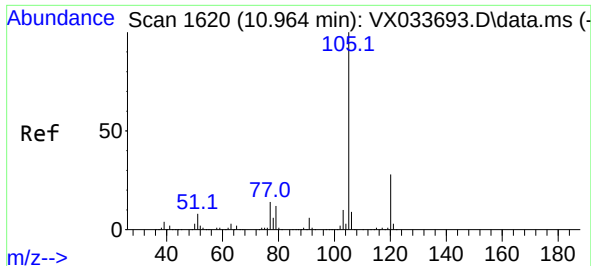


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34



Tgt Ion:152 Resp: 93959
Ion Ratio Lower Upper
152 100
115 56.4 38.7 116.1
150 157.0 0.0 348.2

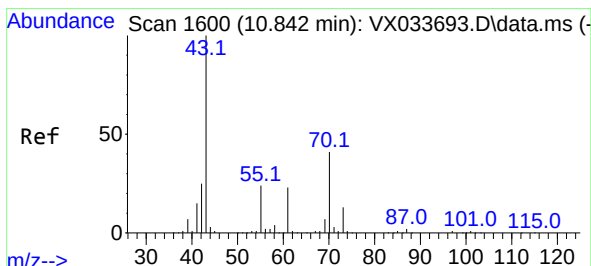
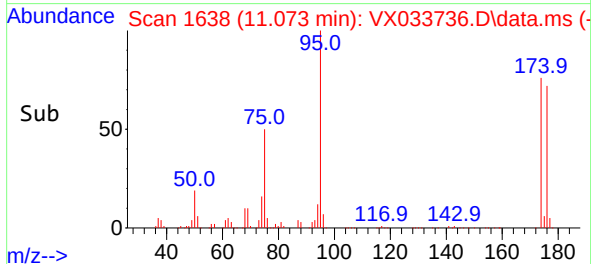
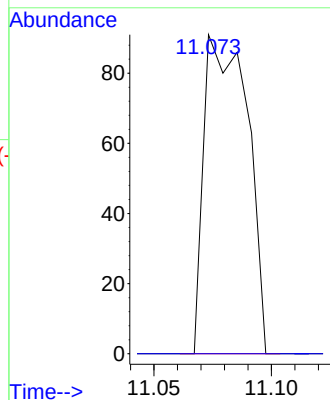
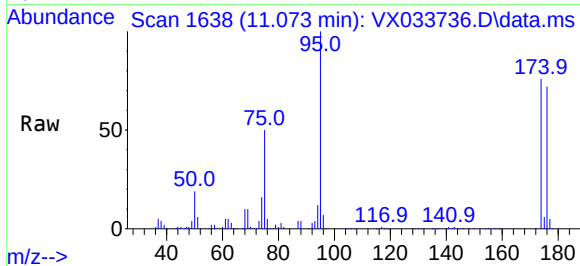




#73
Isopropylbenzene
Concen: Below Cal
RT: 11.073 min Scan# 117
Delta R.T. 0.109 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

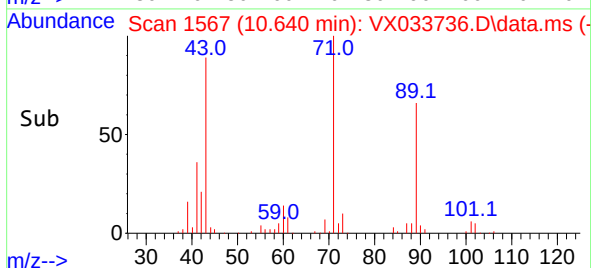
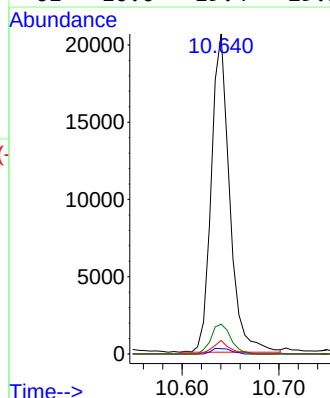
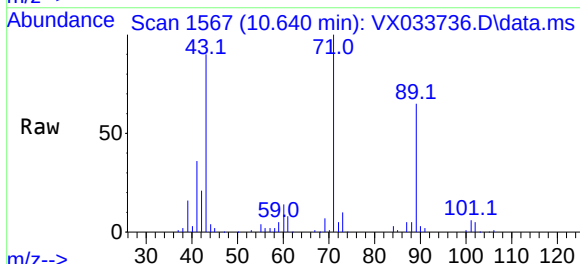
Instrument :
MSVOA_X
ClientSampleId :

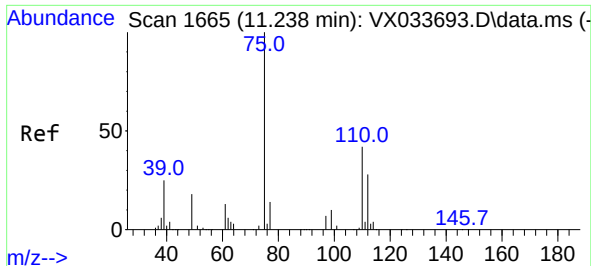
Tgt Ion:105 Resp: 117
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 10.993 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 43 Resp: 27124
Ion Ratio Lower Upper
43 100
70 1.9 34.8 52.2#
55 3.9 19.4 29.0#
61 10.0 19.4 29.2#

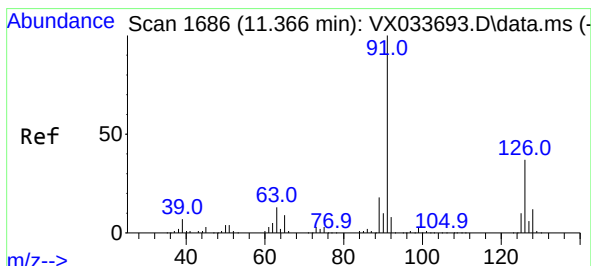
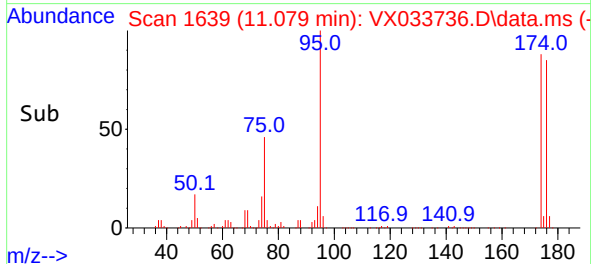
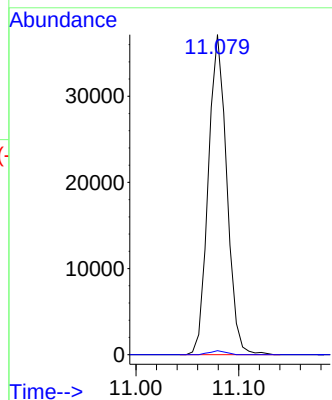
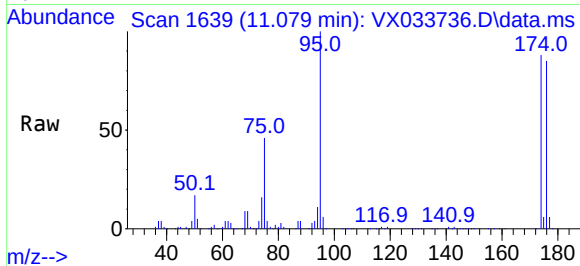




#76
1,2,3-Trichloropropane
Concen: 26.939 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

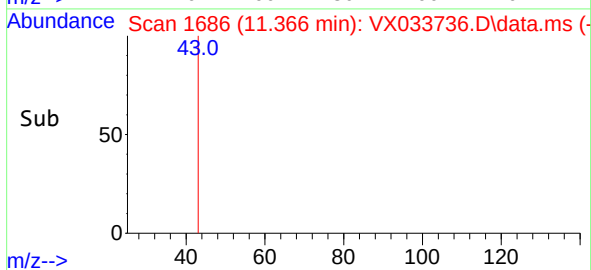
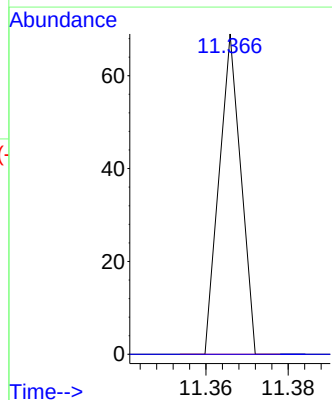
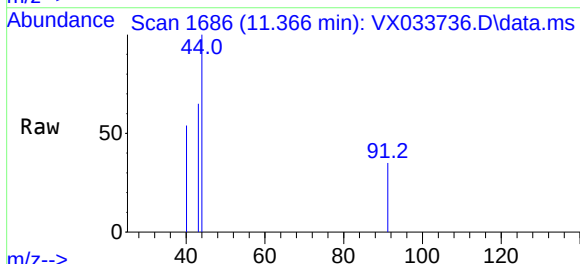
Instrument :
MSVOA_X
ClientSampleId :

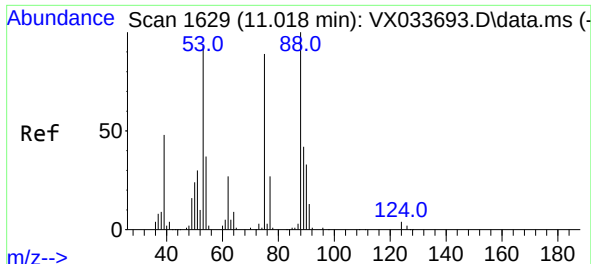
Tgt Ion: 75 Resp: 46507
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

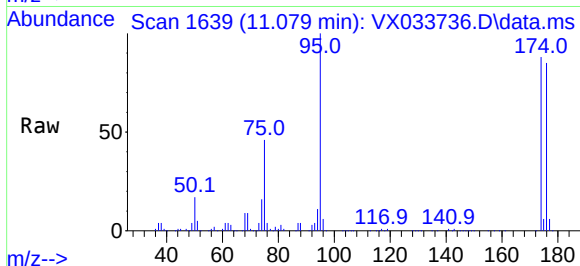
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



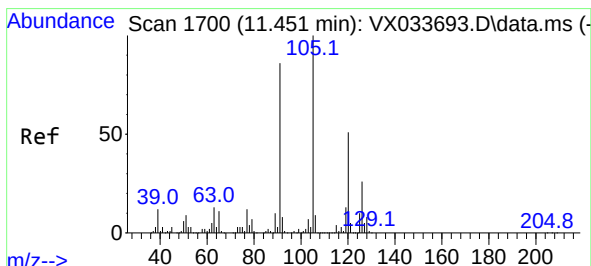
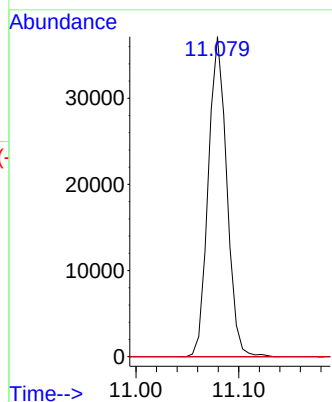
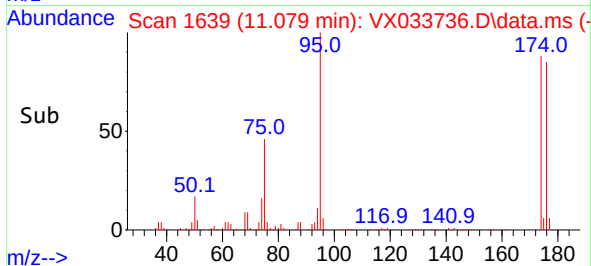


#81
trans-1,4-Dichloro-2-butene
Concen: 83.725 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 46507
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: 11.366 min Scan# 1686
Delta R.T. -0.085 min
Lab File: VX033736.D
Acq: 13 Jan 2023 20:34

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

