

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
 Data File : VX033738.D
 Acq On : 13 Jan 2023 21:20
 Operator : JC/MD
 Sample : PB150223ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 16 05:39:59 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)

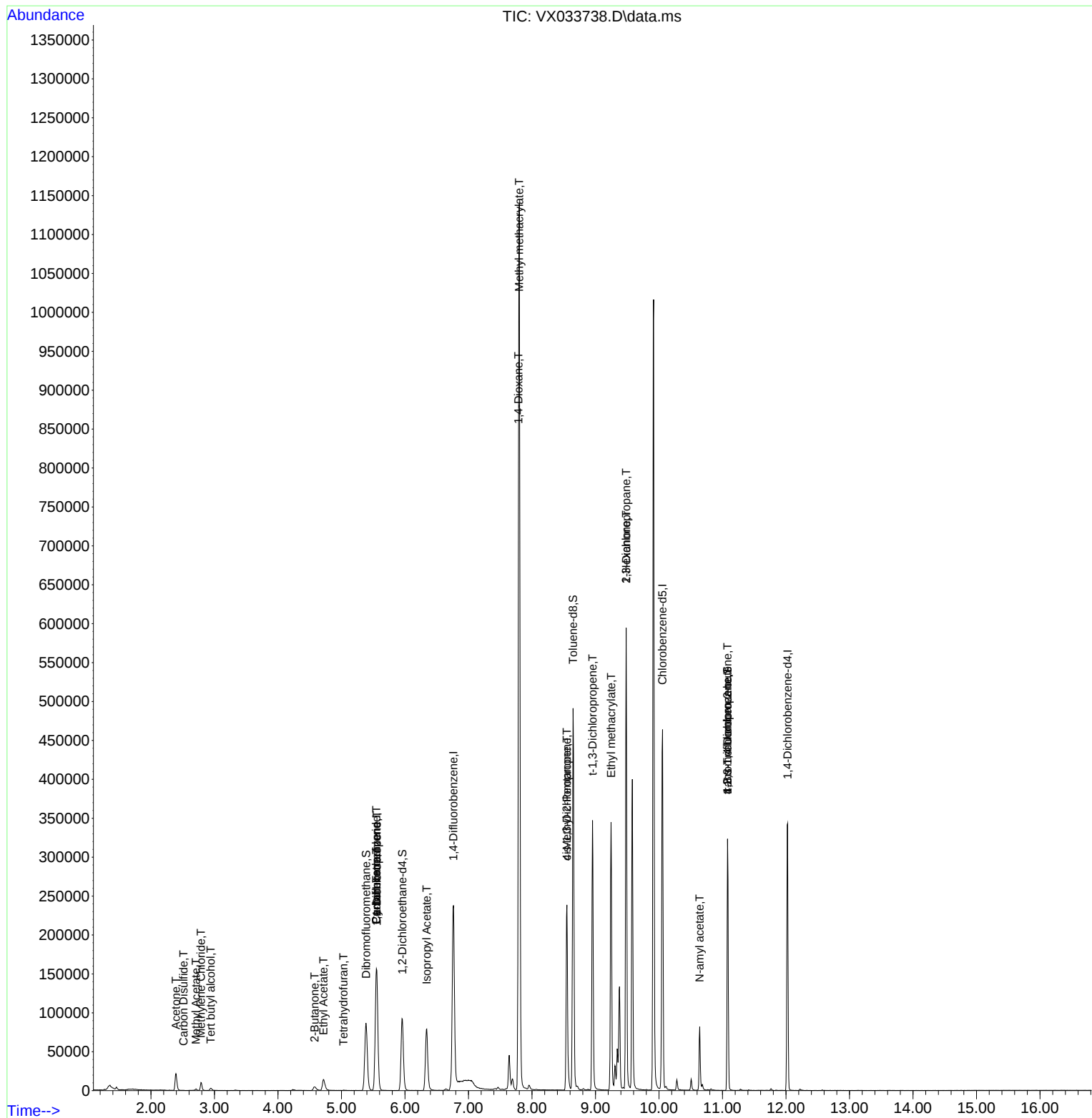
Internal Standards						
1) Pentafluorobenzene	5.550	168	163960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	240838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89103	51.614	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.220%			
35) Dibromofluoromethane	5.385	113	75366	50.396	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	8.647	98	288395	52.928	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.860%			
62) 4-Bromofluorobenzene	11.079	95	77876	38.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 76.980%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	2123	7.079	ug/l #	86
16) Acetone	2.392	43	28776	35.224	ug/l	96
17) Carbon Disulfide	2.514	76	82	1.846	ug/l #	76
18) Methyl Acetate	2.709	43	2551	1.059	ug/l #	88
20) Methylene Chloride	2.788	84	4690	0.652	ug/l	90
25) 2-Butanone	4.574	43	8848	7.844	ug/l	95
29) Tetrahydrofuran	5.032	42	353	0.497	ug/l #	45
31) Cyclohexane	5.550	56	2845	1.120	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	11113	5.092	ug/l #	48
37) Ethyl Acetate	4.715	43	26510	10.470	ug/l	99
38) Carbon Tetrachloride	5.550	117	14983	6.628	ug/l #	15
43) Isopropyl Acetate	6.342	43	110363	32.030	ug/l	99
48) Methyl methacrylate	7.800	41	98491	56.745	ug/l #	44
49) 1,4-Dioxane	7.787	88	64	1.667	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	86140	40.707	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	700	0.326	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	38496	16.014	ug/l #	62
56) Ethyl methacrylate	9.244	69	704	0.308	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	5179	1.964	ug/l #	43
59) 2-Hexanone	9.482	43	71626	48.631	ug/l #	50
73) Isopropylbenzene	11.079	105	115	Below Cal	#	48
74) N-amyl acetate	10.640	43	22828	11.714	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	11.079	83	23	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	41752	30.621	ug/l #	34
79) 2-Chlorotoluene	11.311	91	57	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41752	95.167	ug/l #	8
82) 4-Chlorotoluene	11.311	91	57	Below Cal	#	43

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011423\
Data File : VX033738.D
Acq On : 13 Jan 2023 21:20
Operator : JC/MD
Sample : PB150223ZHE#01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

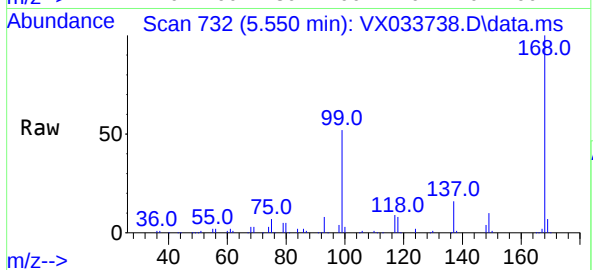
Quant Time: Jan 16 05:39:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration



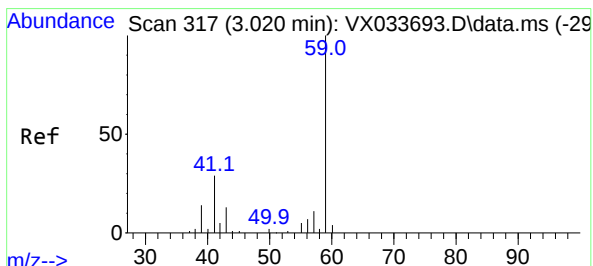
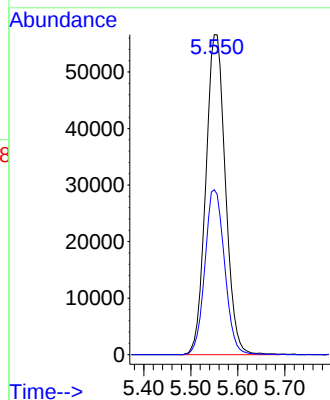
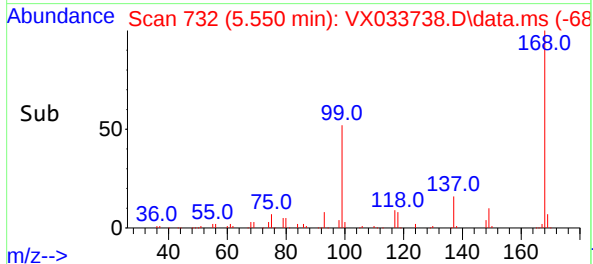


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

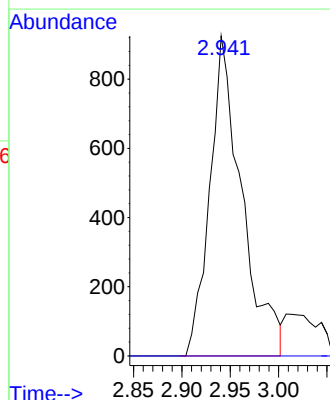
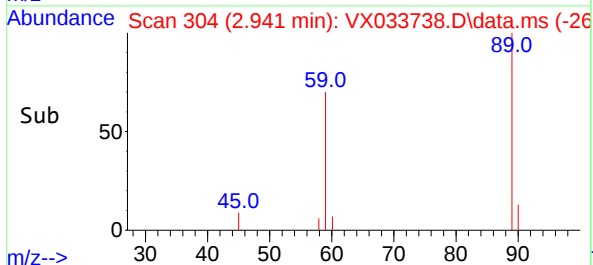
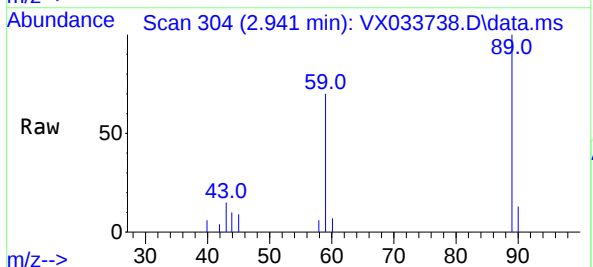


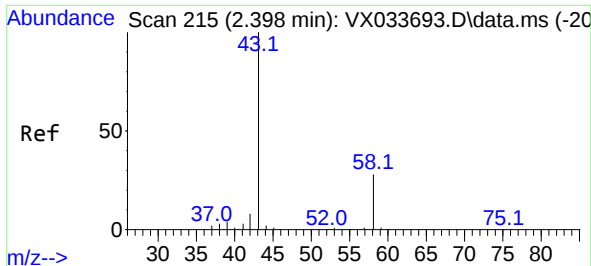
Tgt Ion:168 Resp: 163960
Ion Ratio Lower Upper
168 100
99 51.6 39.6 59.4



#11
Tert butyl alcohol
Concen: 7.079 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 59 Resp: 2123
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

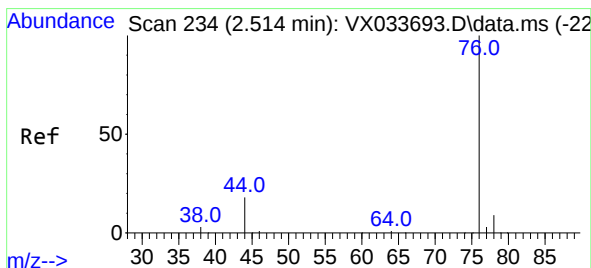
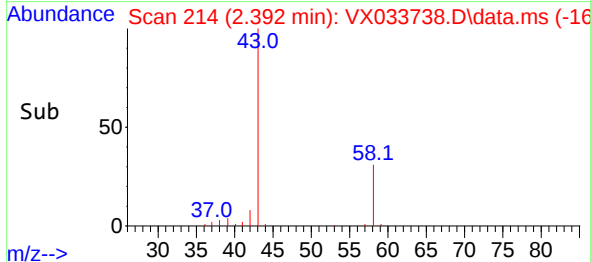
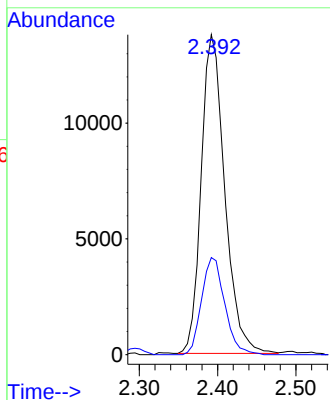
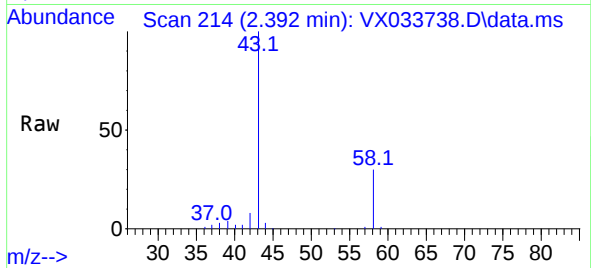




#16
Acetone
Concen: 35.224 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

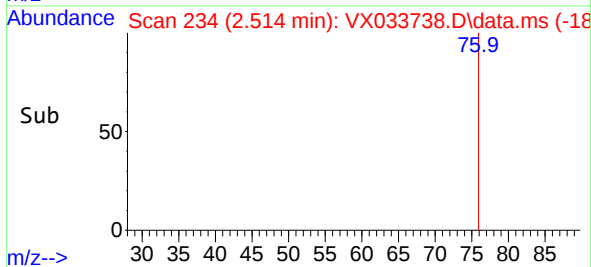
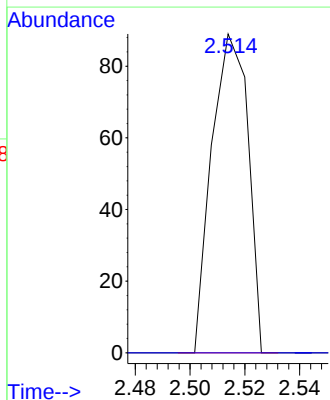
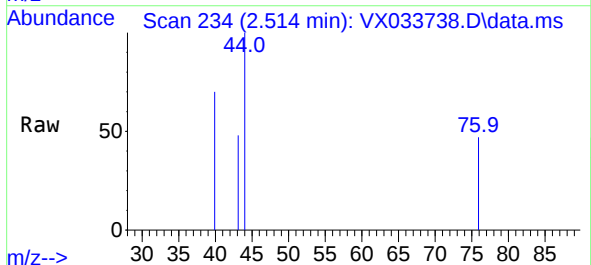
Instrument :
MSVOA_X
ClientSampleId :

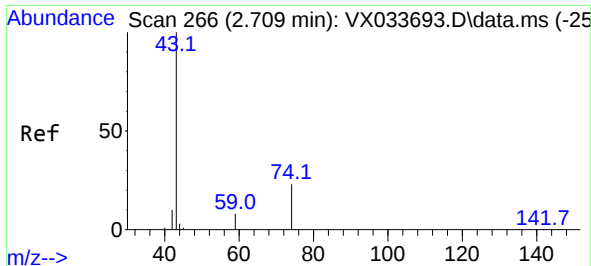
Tgt Ion: 43 Resp: 28776
Ion Ratio Lower Upper
43 100
58 30.5 22.6 33.8



#17
Carbon Disulfide
Concen: 1.846 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 76 Resp: 82
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

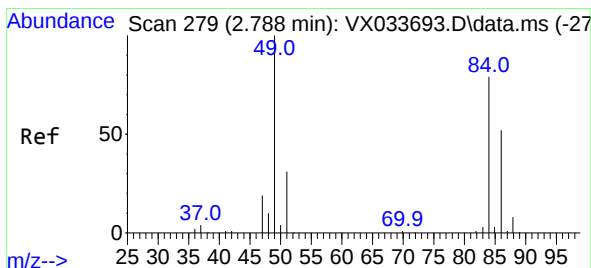
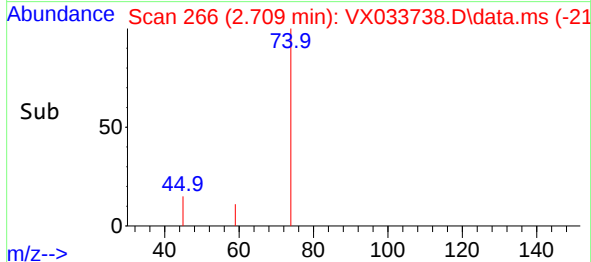
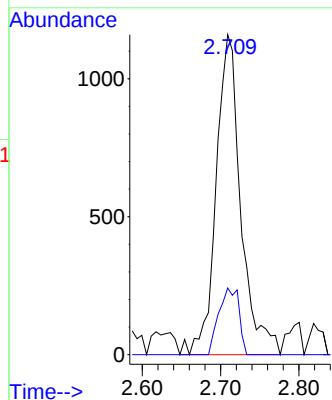
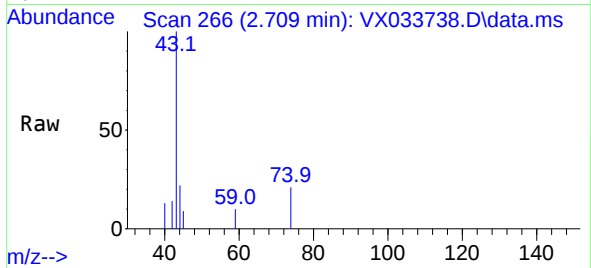




#18
Methyl Acetate
Concen: 1.059 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

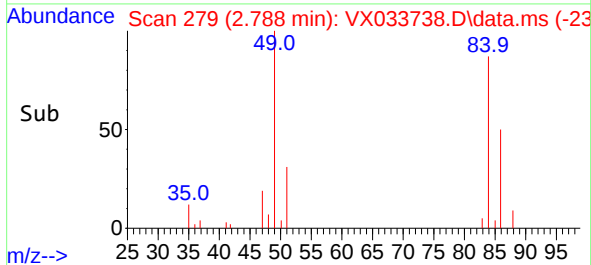
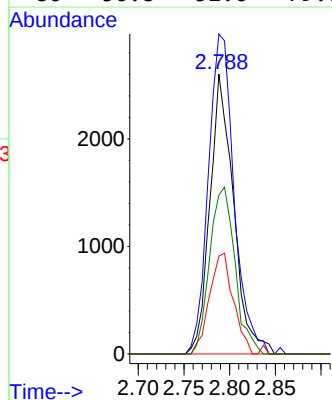
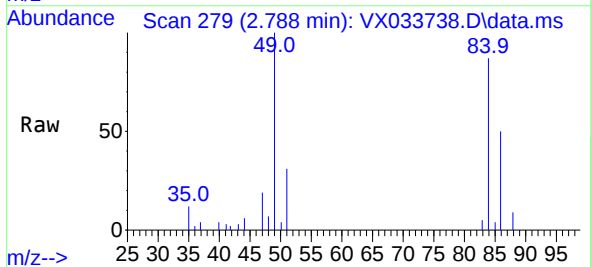
Instrument :
MSVOA_X
ClientSampleId :

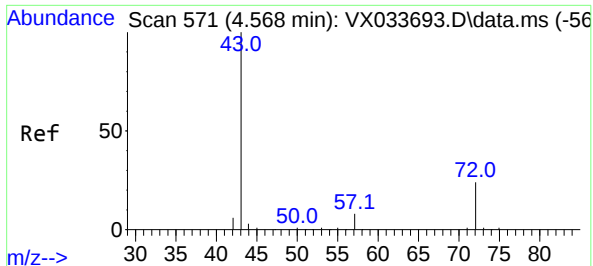
Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
74 16.9 18.2 27.4#



#20
Methylene Chloride
Concen: 0.652 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 84 Resp: 4690
Ion Ratio Lower Upper
84 100
49 114.4 101.1 151.7
51 34.9 31.0 46.6
86 56.8 52.6 79.0





#25

2-Butanone

Concen: 7.844 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

Instrument :

MSVOA_X

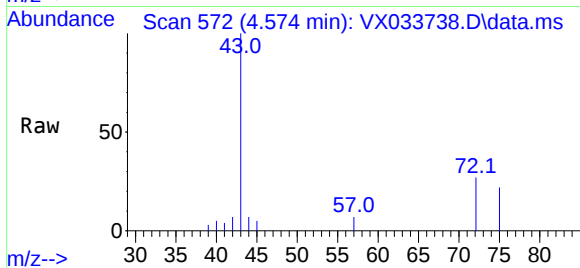
ClientSampleId :

Tgt Ion: 43 Resp: 8848

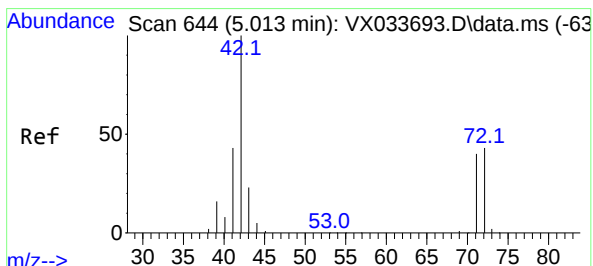
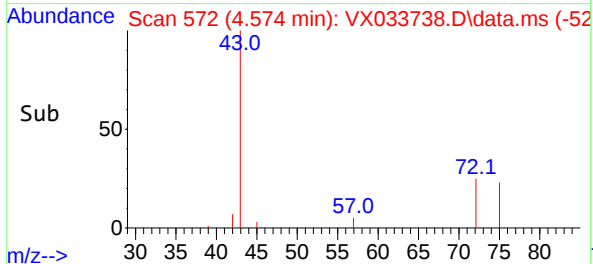
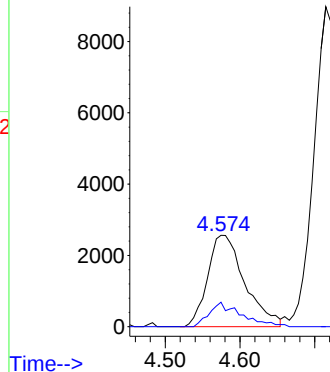
Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.2



Abundance



#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

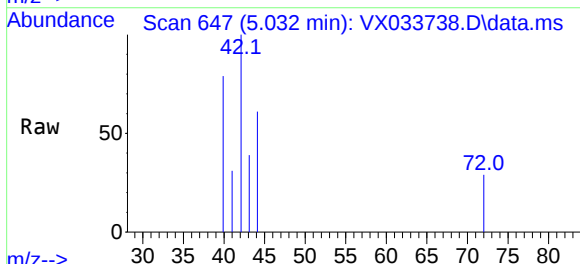
Tgt Ion: 42 Resp: 353

Ion Ratio Lower Upper

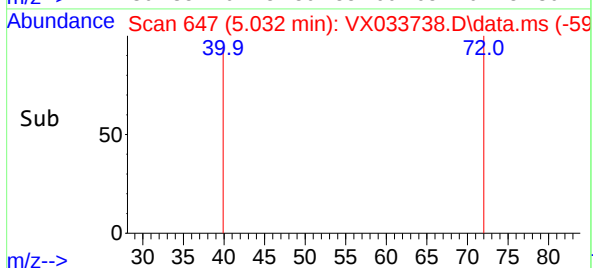
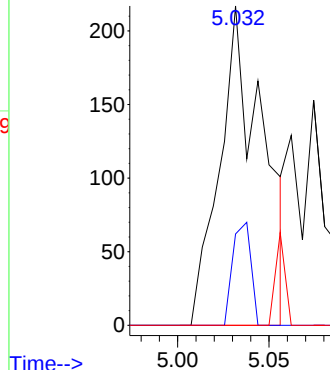
42 100

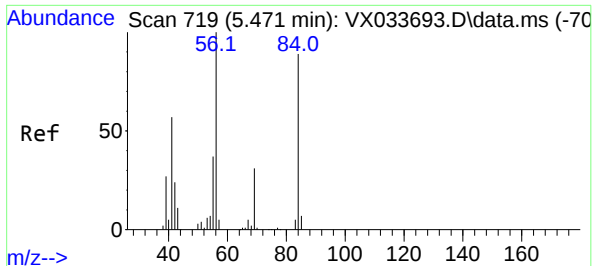
72 13.6 34.8 52.2#

71 0.0 32.2 48.2#



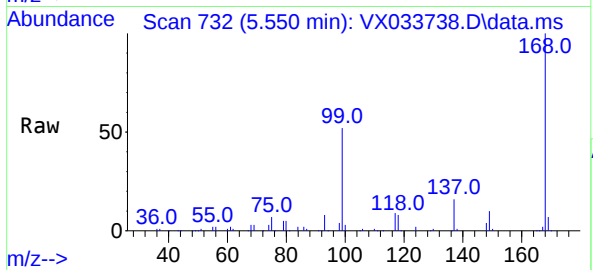
Abundance



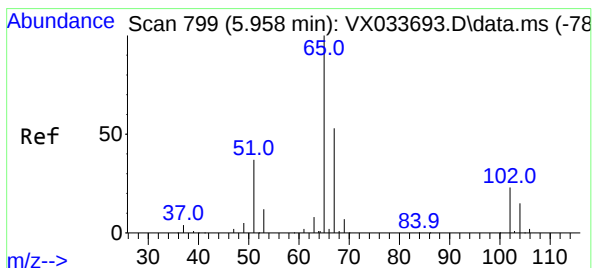
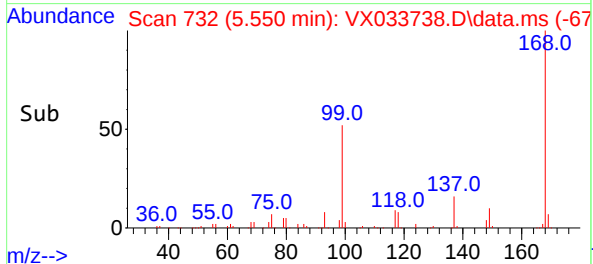
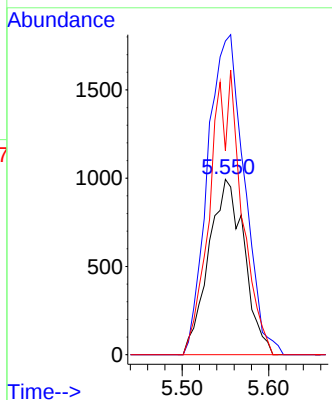


#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

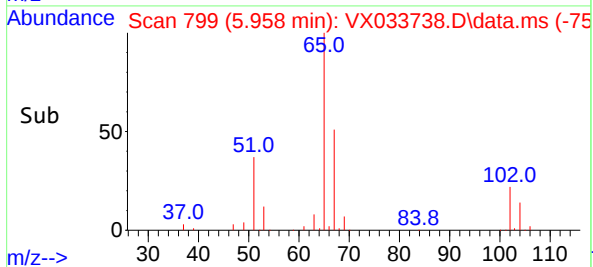
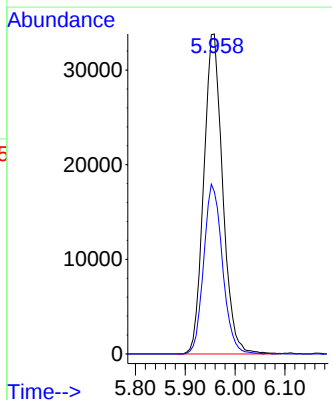
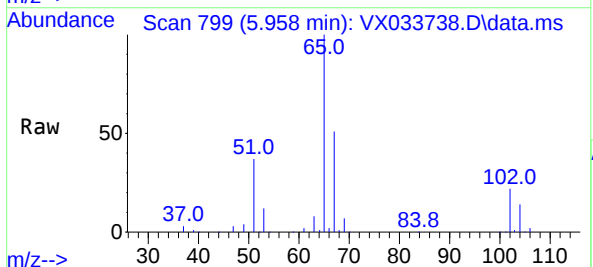


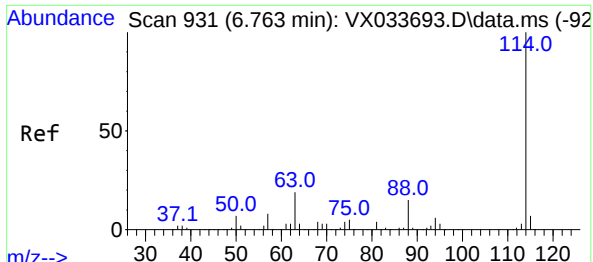
Tgt Ion: 56 Resp: 2845
Ion Ratio Lower Upper
56 100
69 178.8 24.6 37.0#
84 116.3 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 51.614 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

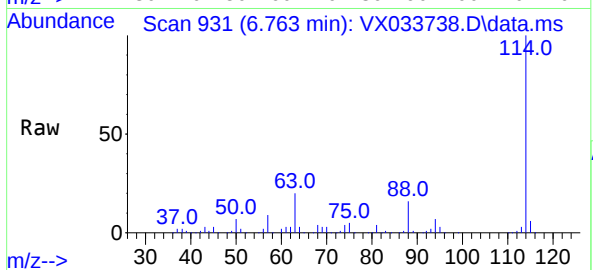
Tgt Ion: 65 Resp: 89103
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8



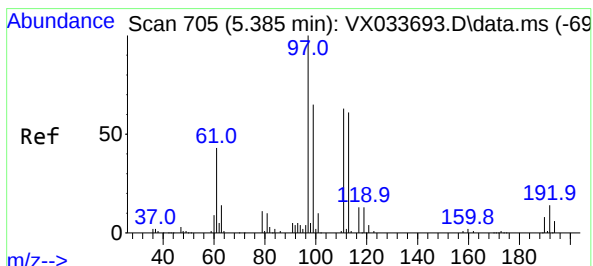
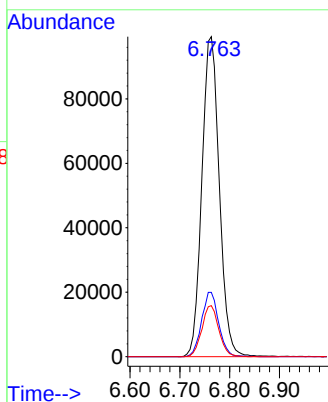
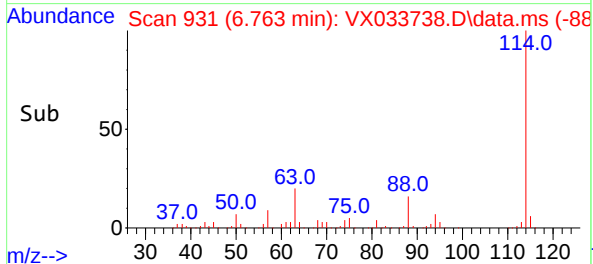


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

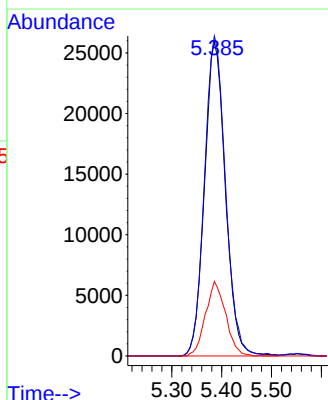
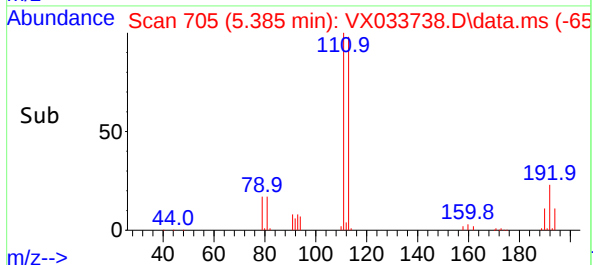
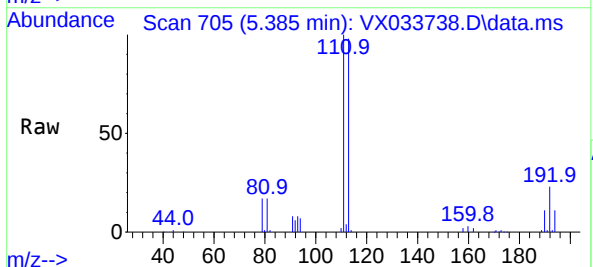


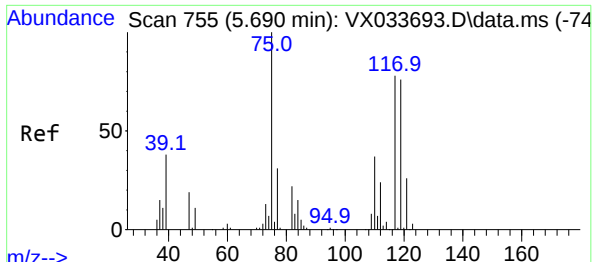
Tgt Ion:114 Resp: 240838
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.4
88 16.0 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.396 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion:113 Resp: 75366
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.6
192 22.9 19.0 28.4





#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

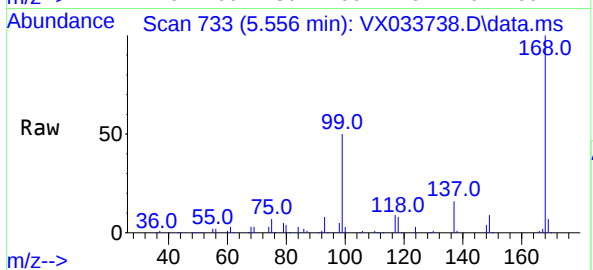
Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

Instrument :

MSVOA_X

ClientSampleId :



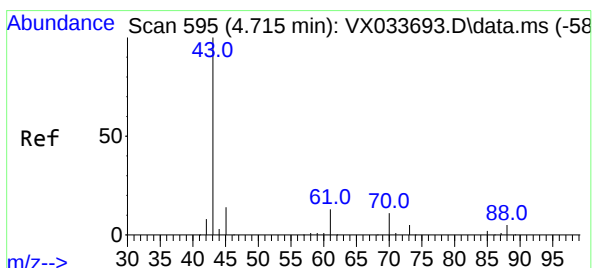
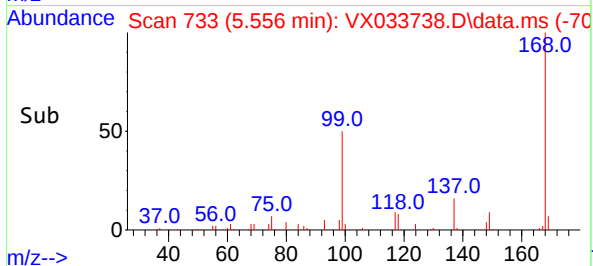
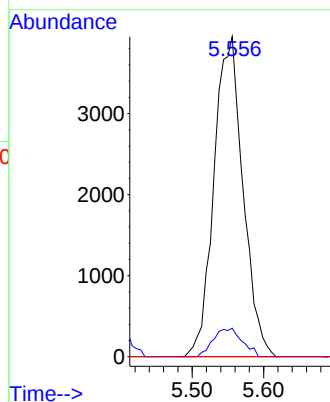
Tgt Ion: 75 Resp: 11113

Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 10.470 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

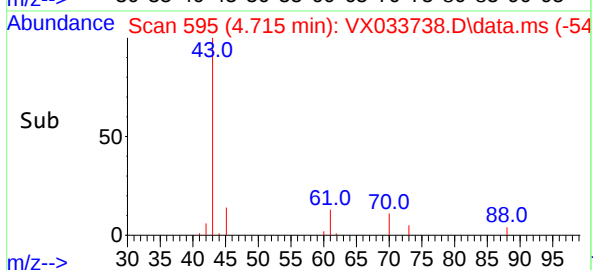
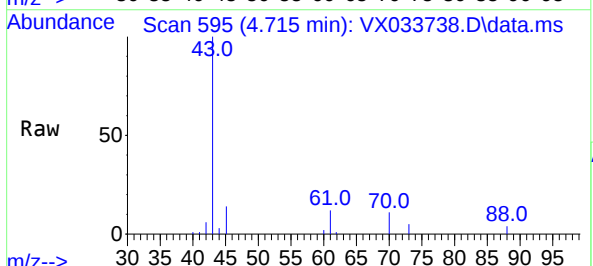
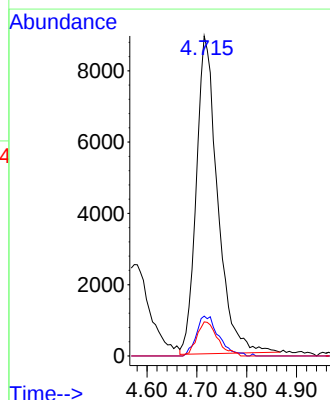
Tgt Ion: 43 Resp: 26510

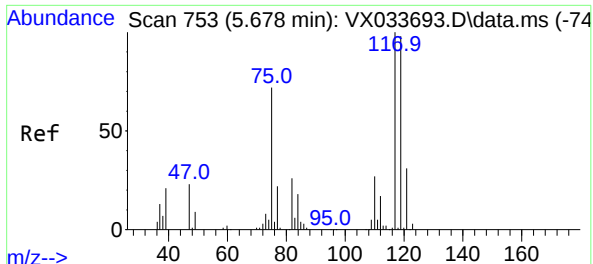
Ion Ratio Lower Upper

43 100

61 13.1 11.1 16.7

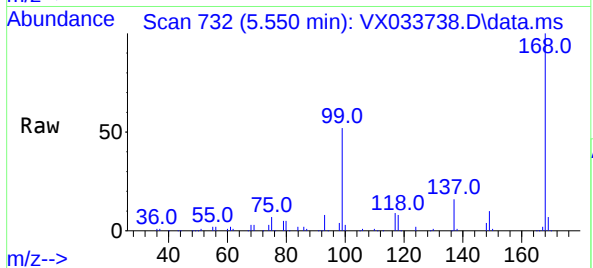
70 10.6 8.5 12.7



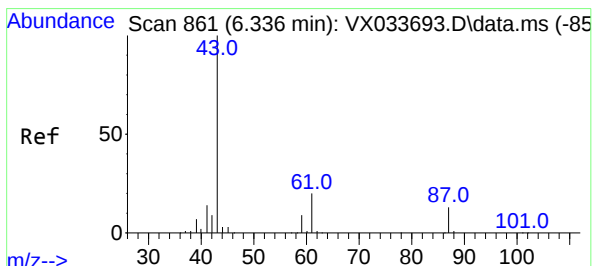
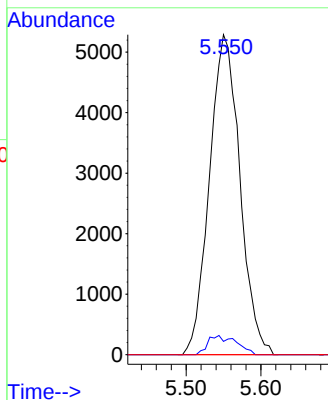
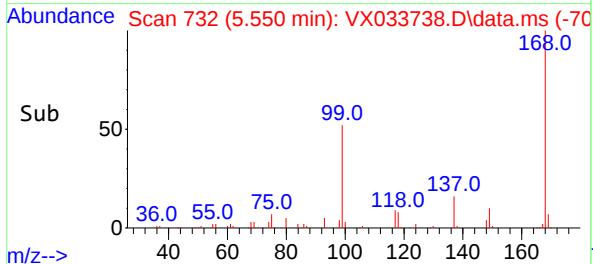


#38
Carbon Tetrachloride
Concen: 6.628 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

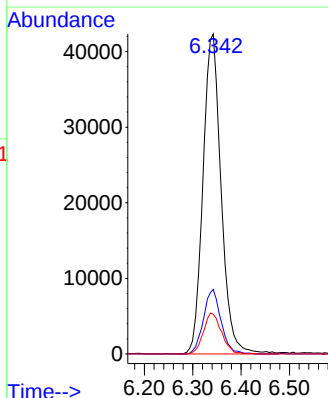
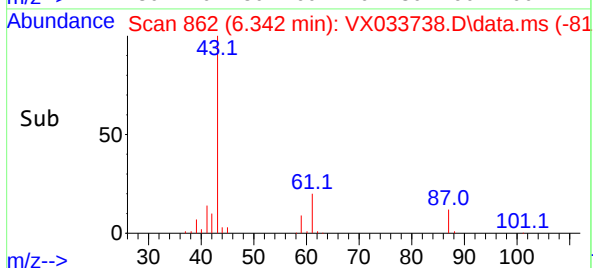
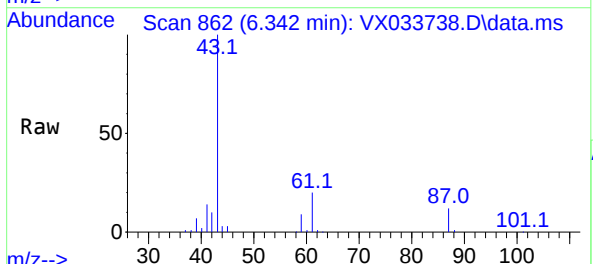


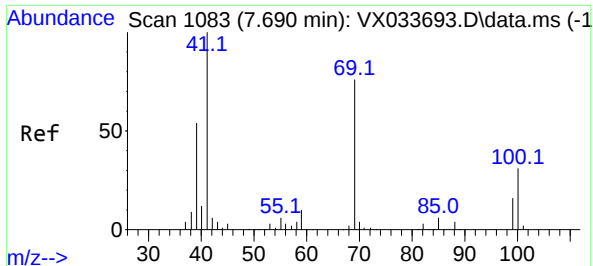
Tgt Ion:117 Resp: 14983
Ion Ratio Lower Upper
117 100
119 4.1 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.030 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 43 Resp: 110363
Ion Ratio Lower Upper
43 100
61 19.5 15.7 23.5
87 12.7 10.6 15.8

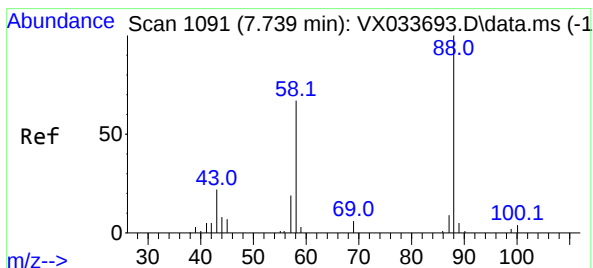
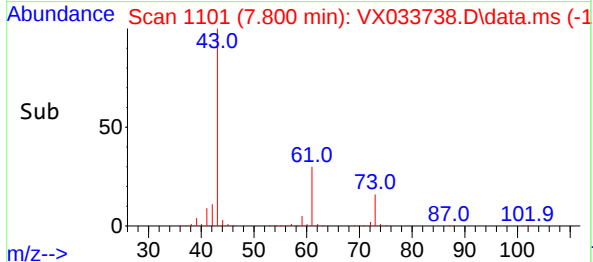
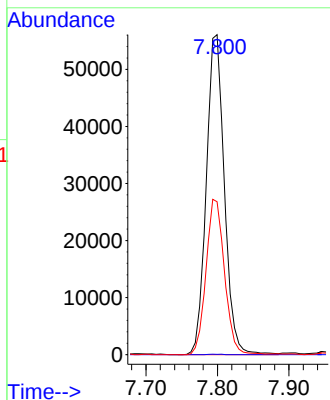
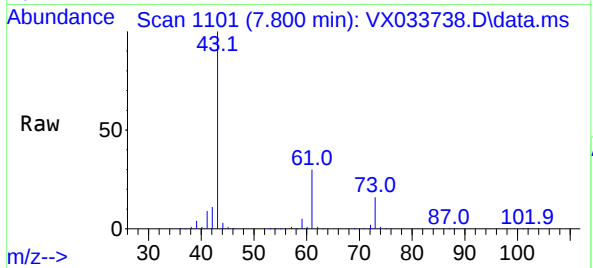




#48
Methyl methacrylate
Concen: 56.745 ug/l
RT: 7.800 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

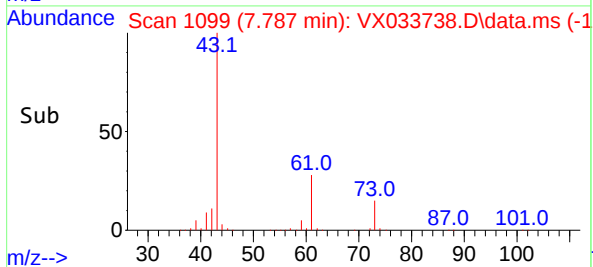
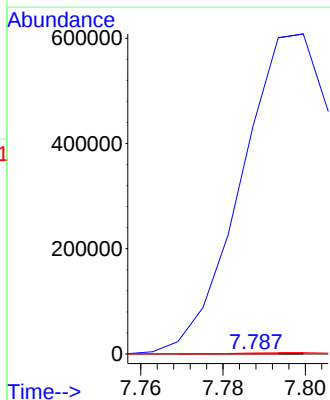
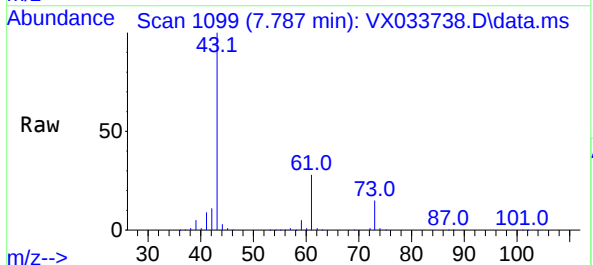
Instrument :
MSVOA_X
ClientSampleId :

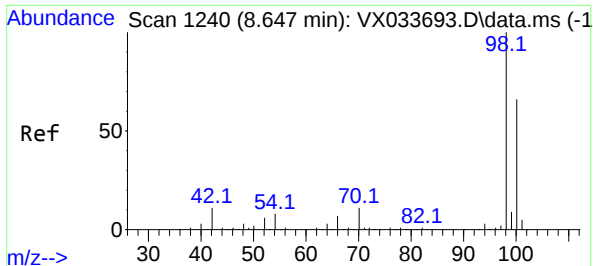
Tgt Ion: 41 Resp: 98491
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.6 43.2 64.8



#49
1,4-Dioxane
Concen: 1.667 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.049 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 56.5 84.7#

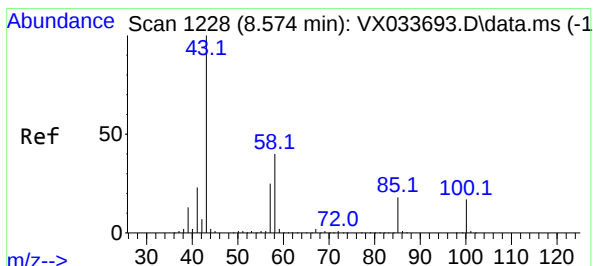
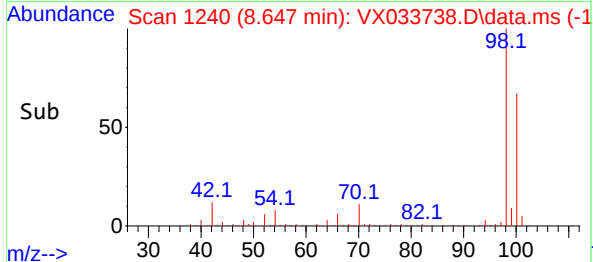
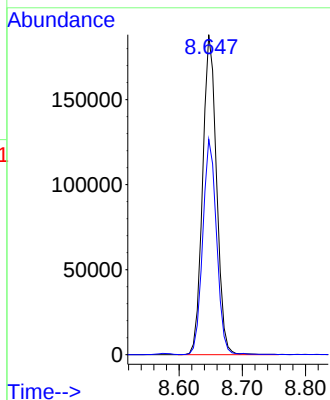
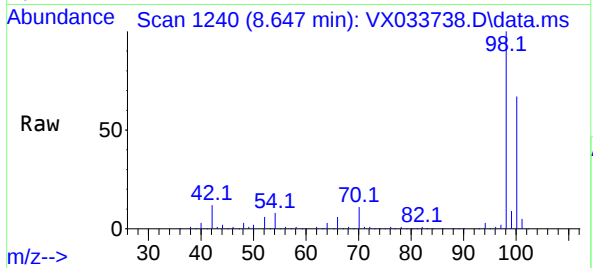




#50
Toluene-d8
Concen: 52.928 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

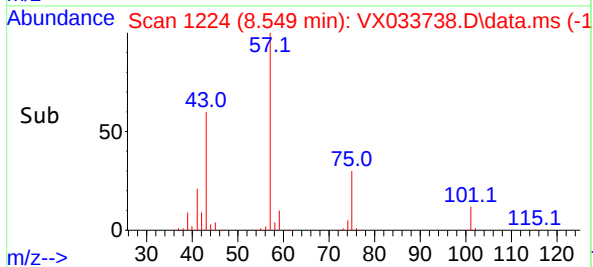
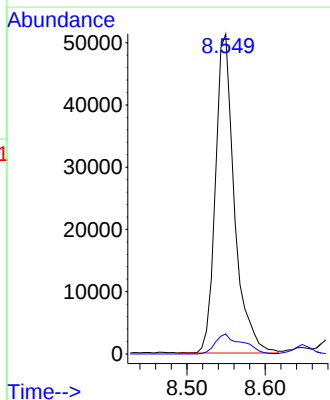
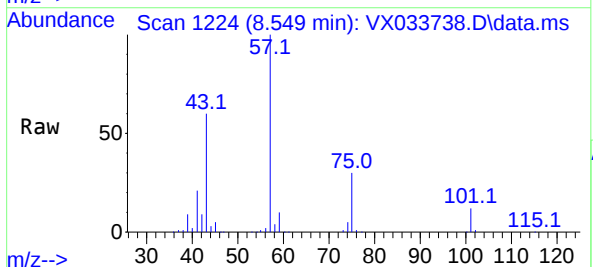
Instrument :
MSVOA_X
ClientSampleId :

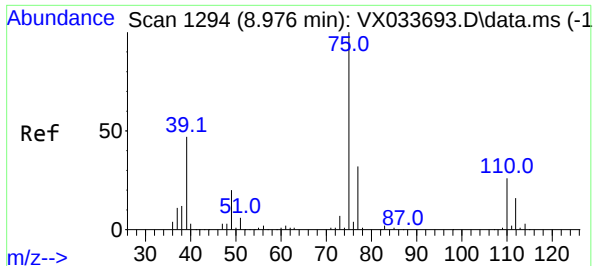
Tgt Ion: 98 Resp: 288395
Ion Ratio Lower Upper
98 100
100 67.1 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 40.707 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 43 Resp: 86140
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#

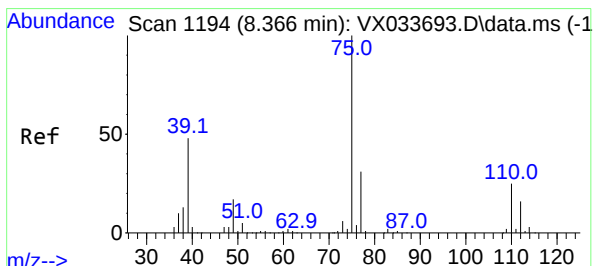
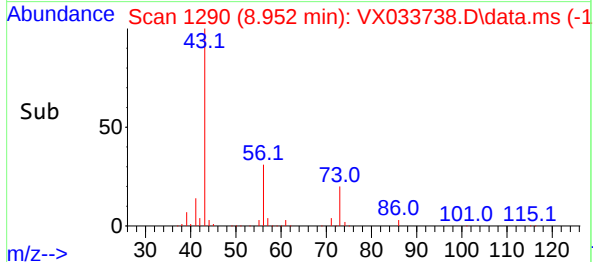
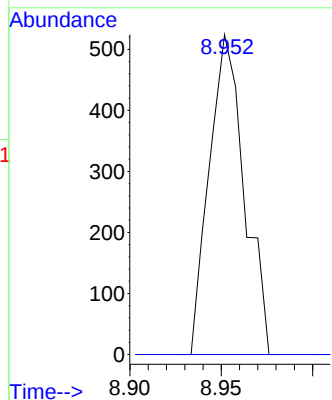
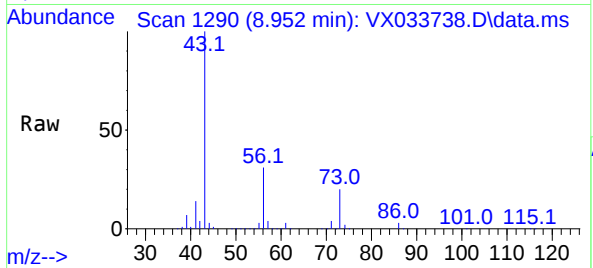




#53
t-1,3-Dichloropropene
Concen: 0.326 ug/l
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

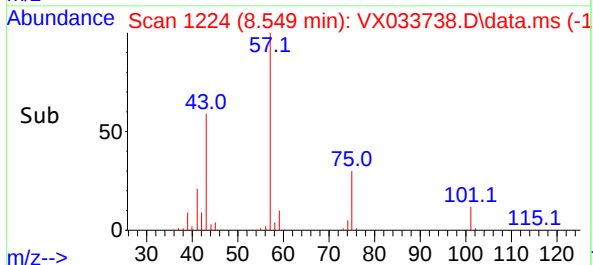
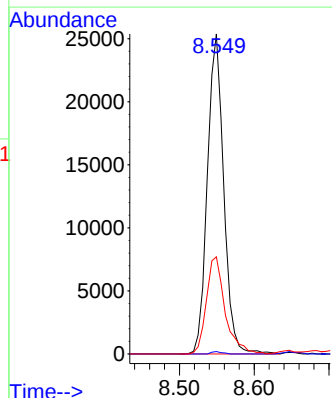
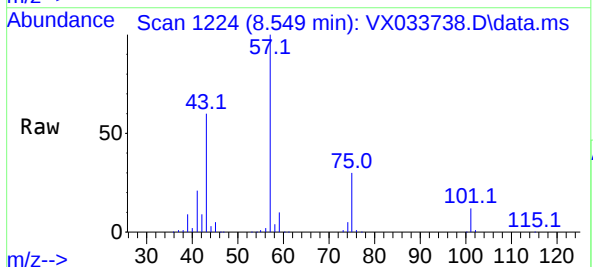
Instrument :
MSVOA_X
ClientSampleId :

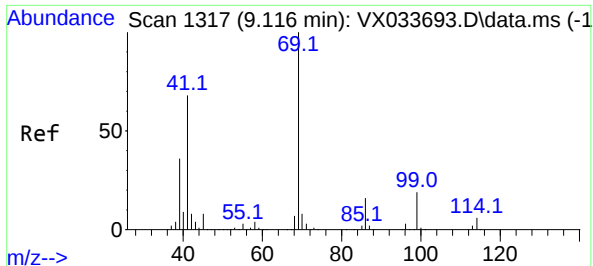
Tgt Ion: 75 Resp: 700
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#



#54
cis-1,3-Dichloropropene
Concen: 16.014 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 75 Resp: 38496
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 30.4 38.6 58.0#





#56

Ethyl methacrylate

Concen: 0.308 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033738.D

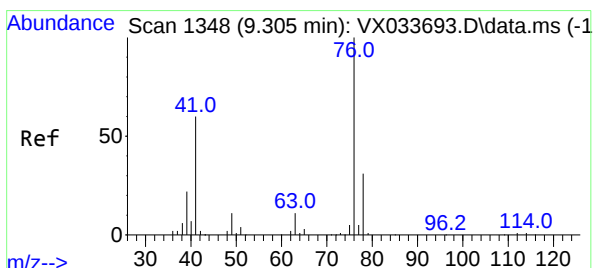
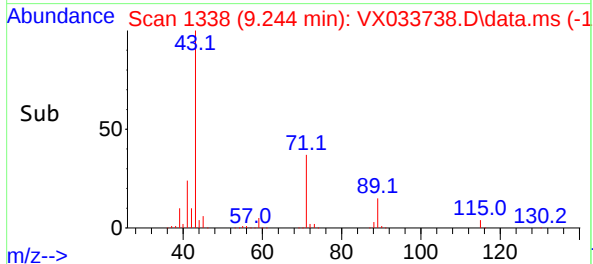
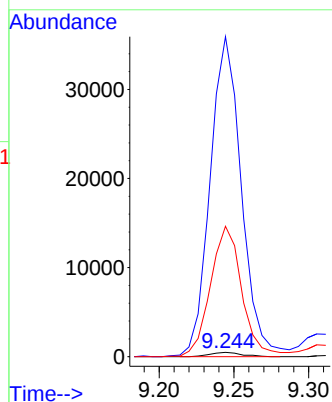
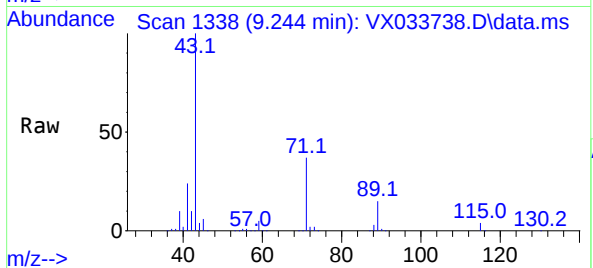
Acq: 13 Jan 2023 21:20

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	69	Resp:	704
Ion	Ratio	Lower	Upper
69	100		
41	7452.8	55.1	82.7#
39	3022.6	28.5	42.7#



#57

1,3-Dichloropropane

Concen: 1.964 ug/l

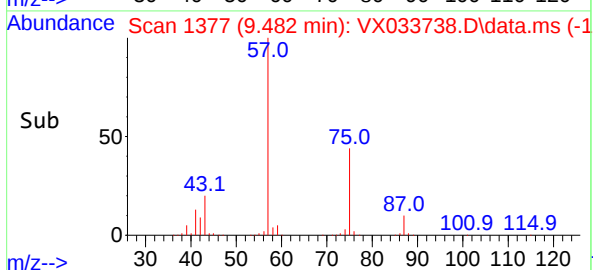
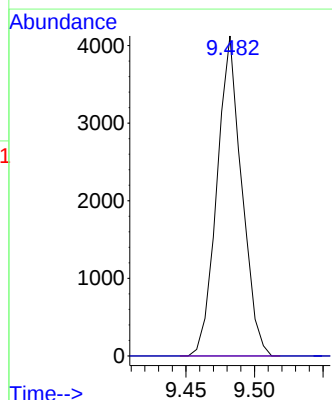
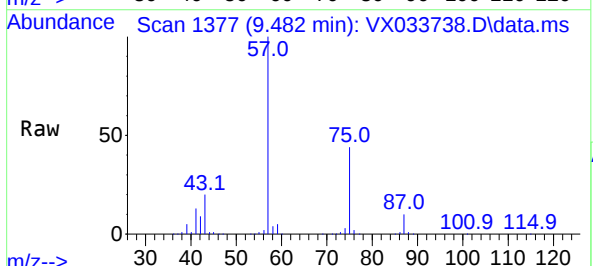
RT: 9.482 min Scan# 1377

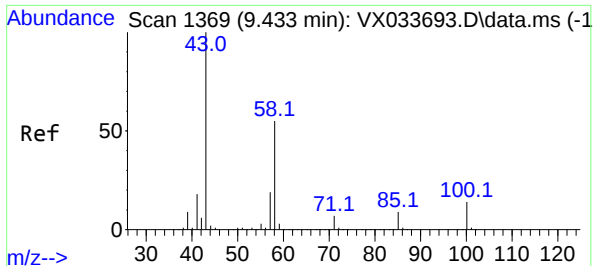
Delta R.T. 0.177 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

Tgt Ion:	76	Resp:	5179
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.6	38.4#





#59

2-Hexanone

Concen: 48.631 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

Instrument :

MSVOA_X

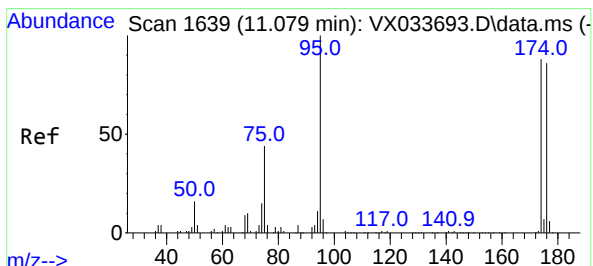
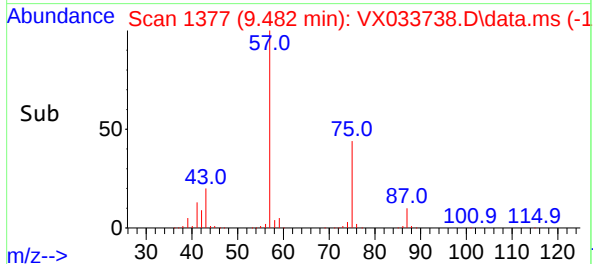
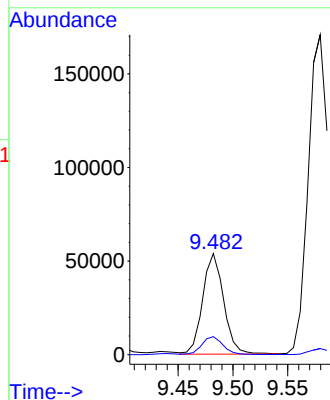
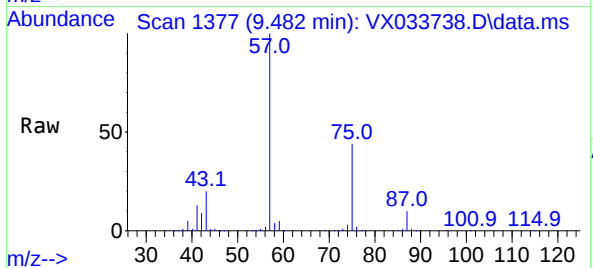
ClientSampleId :

Tgt Ion: 43 Resp: 71626

Ion Ratio Lower Upper

43 100

58 18.5 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 38.495 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033738.D

Acq: 13 Jan 2023 21:20

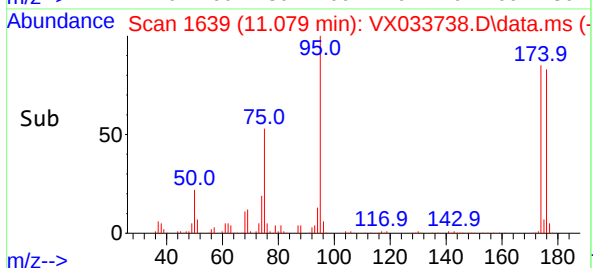
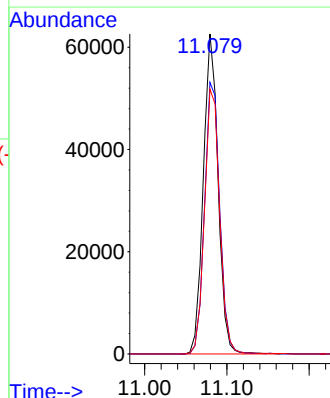
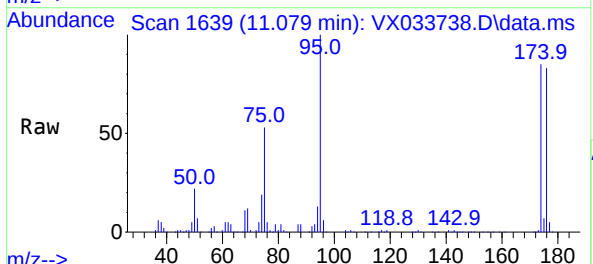
Tgt Ion: 95 Resp: 77876

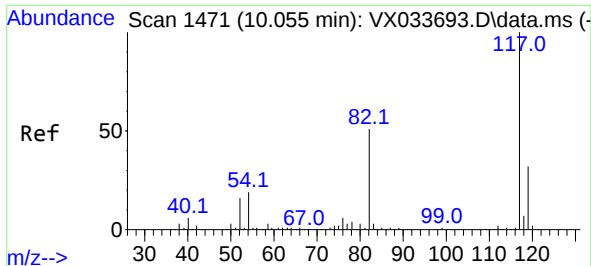
Ion Ratio Lower Upper

95 100

174 87.6 0.0 184.4

176 85.5 0.0 178.8

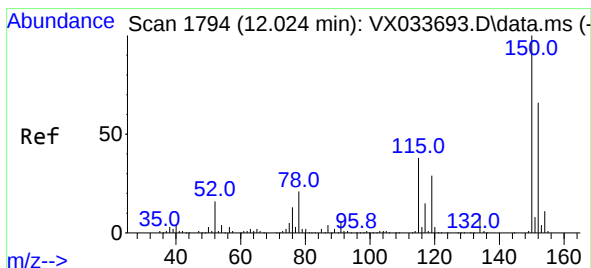
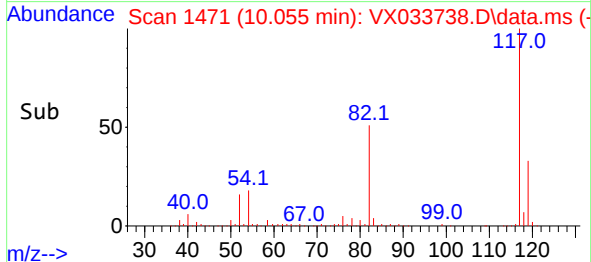
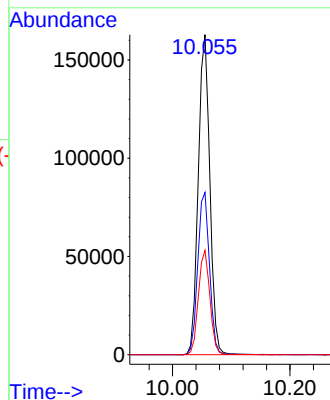
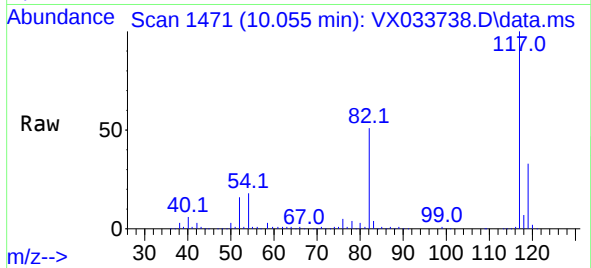




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

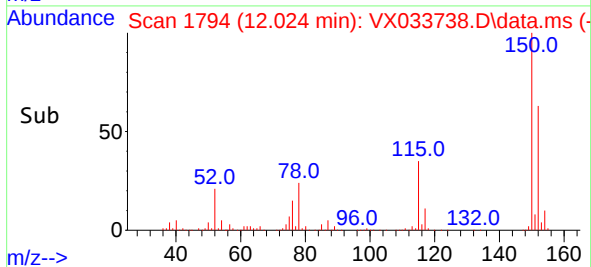
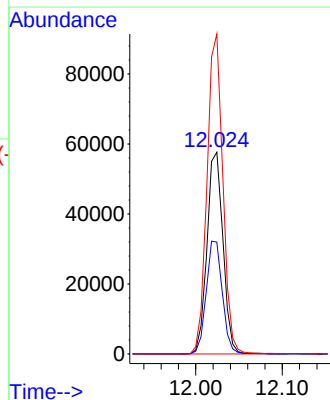
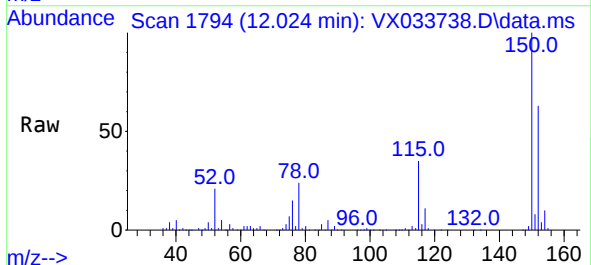
Instrument :
MSVOA_X
ClientSampleId :

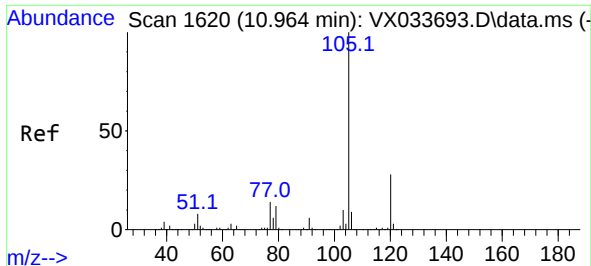
Tgt Ion:117 Resp: 222739
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

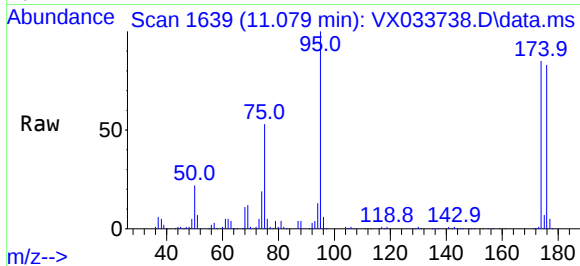
Tgt Ion:152 Resp: 74210
Ion Ratio Lower Upper
152 100
115 56.3 38.7 116.1
150 156.1 0.0 348.2



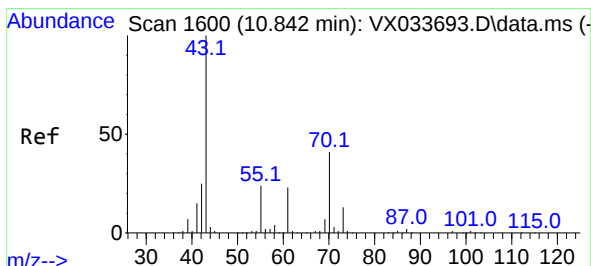
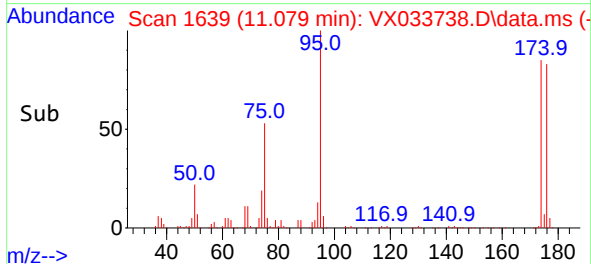
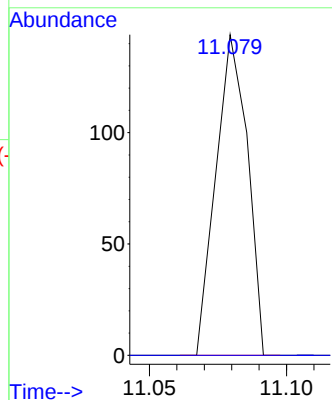


#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 11
Delta R.T. 0.115 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

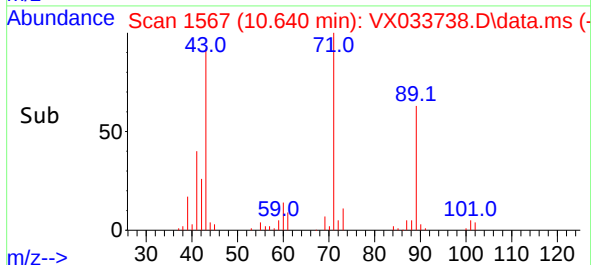
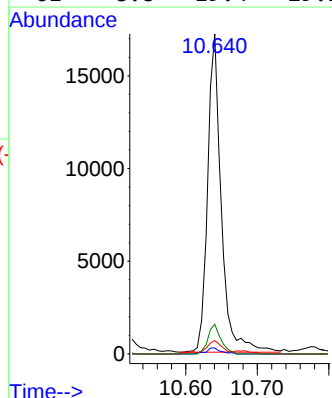
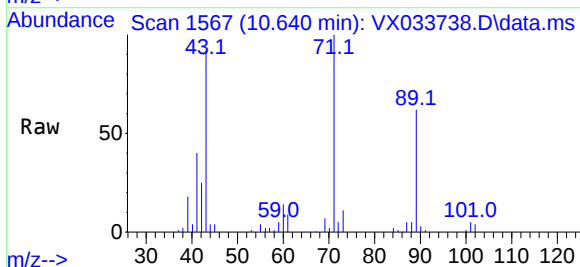


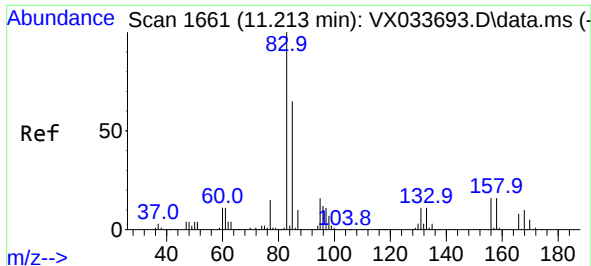
Tgt Ion:105 Resp: 115
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 11.714 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Tgt Ion: 43 Resp: 22828
Ion Ratio Lower Upper
43 100
70 2.0 34.8 52.2#
55 5.1 19.4 29.0#
61 8.8 19.4 29.2#

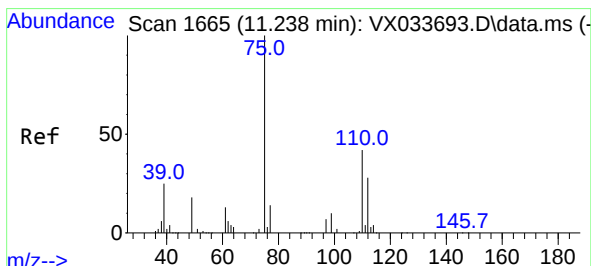
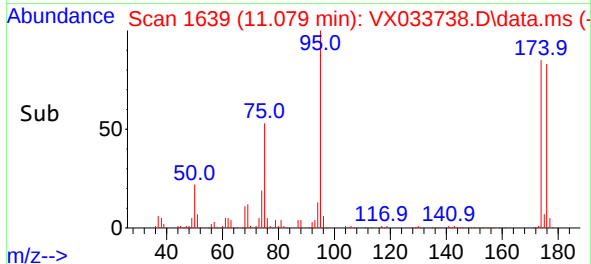
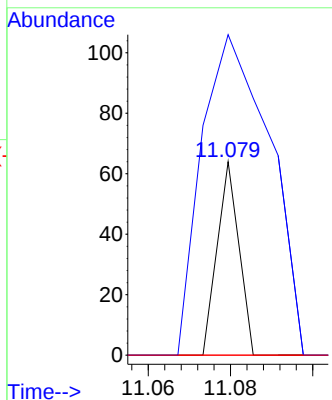
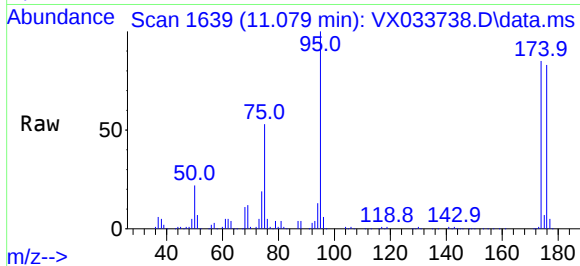




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

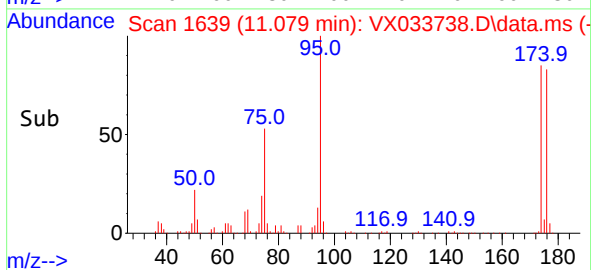
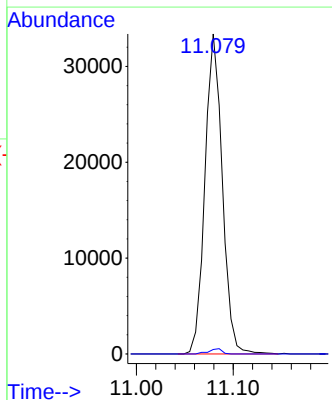
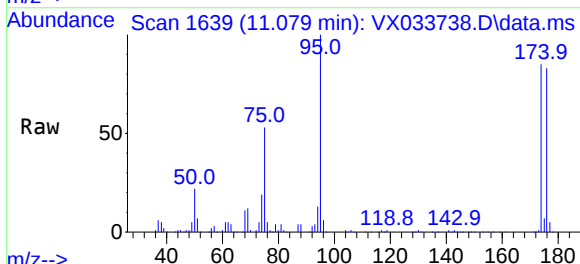
Instrument :
MSVOA_X
ClientSampleId :

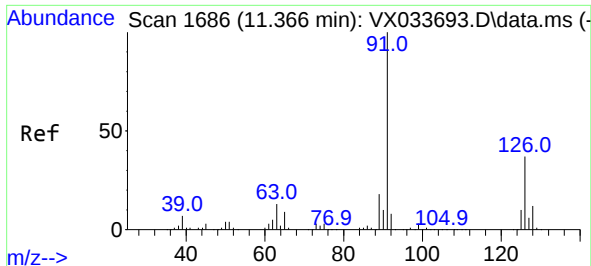
Tgt Ion: 83 Resp: 23
Ion Ratio Lower Upper
83 100
131 530.4 5.5 16.7#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 30.621 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

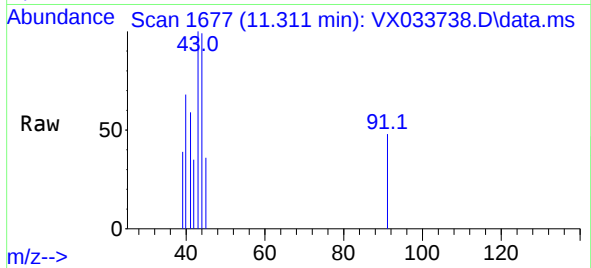
Tgt Ion: 75 Resp: 41752
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



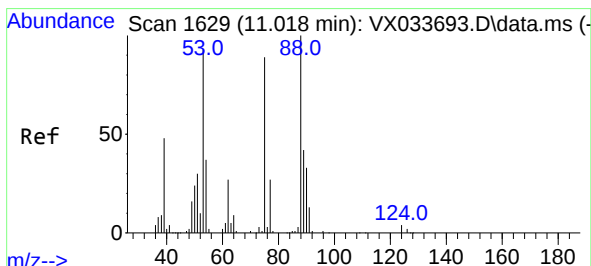
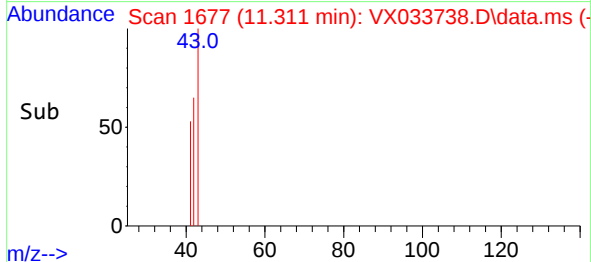
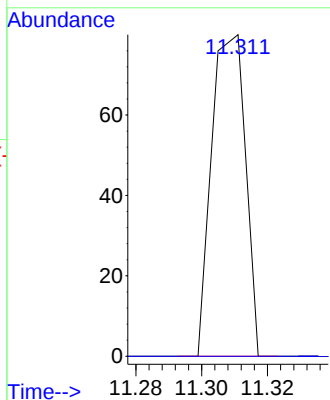


#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1677
Delta R.T. -0.055 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

Instrument :
MSVOA_X
ClientSampleId :

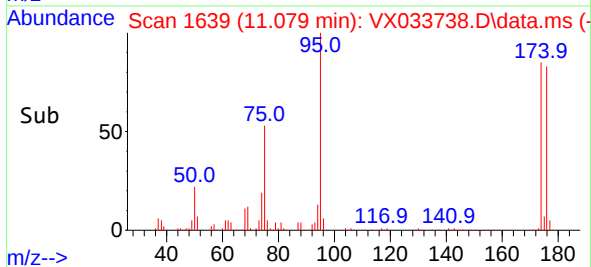
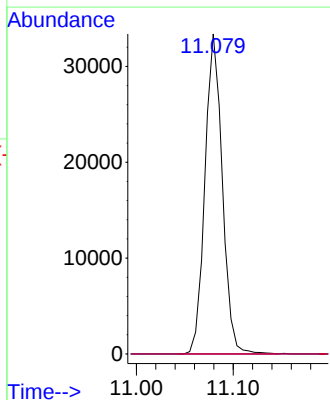
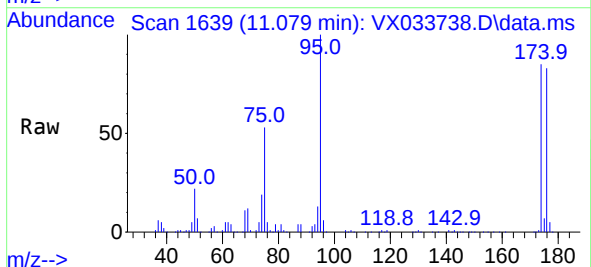


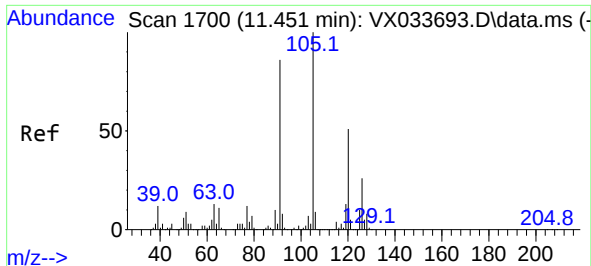
Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.167 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033738.D
Acq: 13 Jan 2023 21:20

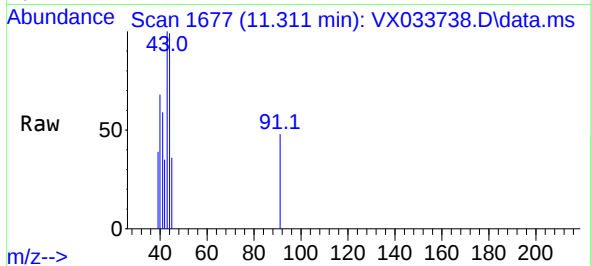
Tgt Ion: 75 Resp: 41752
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.311 min Scan# 10
 Delta R.T. -0.140 min
 Lab File: VX033738.D
 Acq: 13 Jan 2023 21:20

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 91 Resp: 57
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

