

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033969.D
 Acq On : 31 Jan 2023 14:18
 Operator : JC/MD
 Sample : 01358-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JC-3-012723

Quant Time: Feb 01 02:12:13 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)

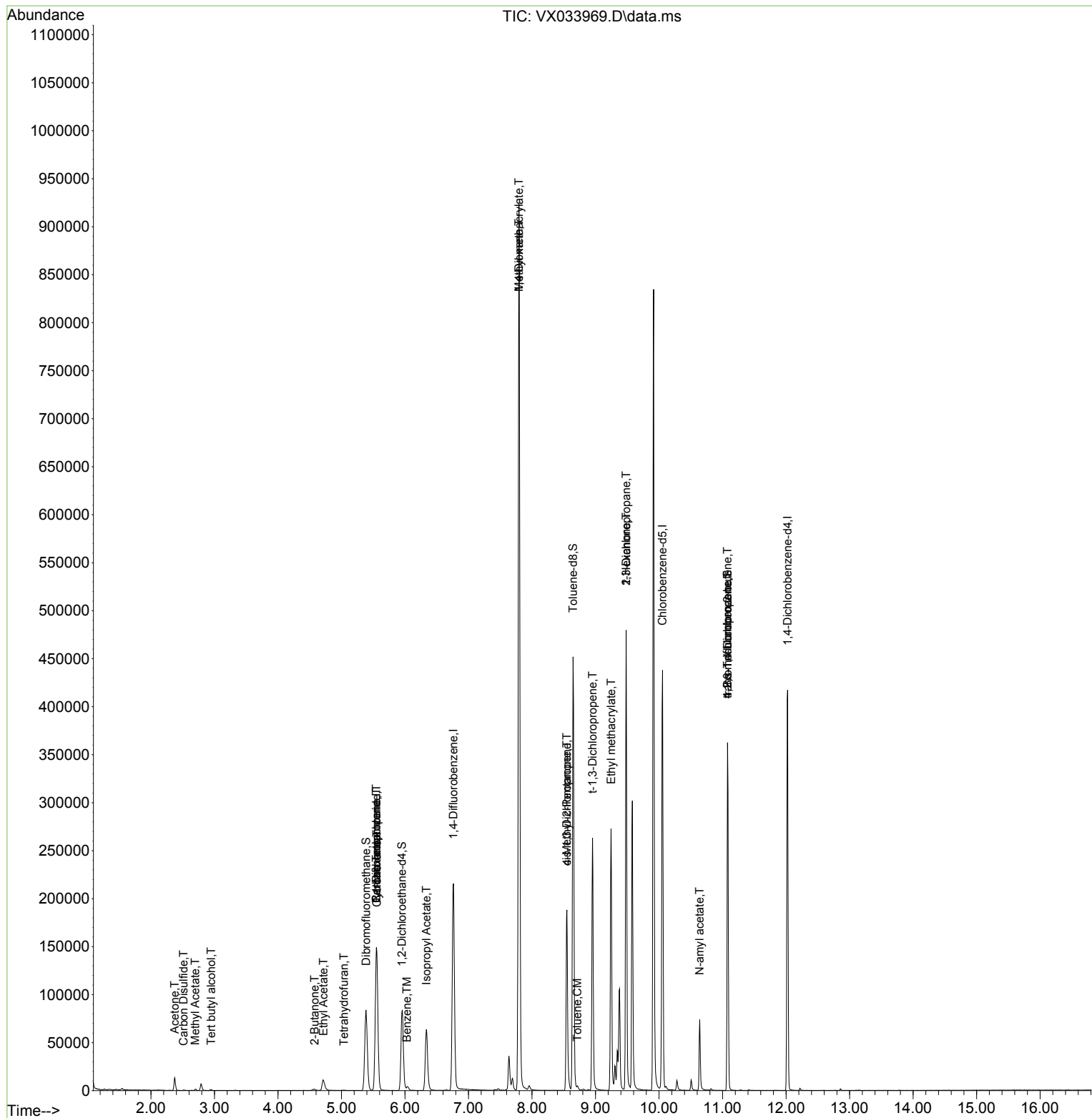
Internal Standards						
1) Pentafluorobenzene	5.550	168	165296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79145	45.475	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.940%		
35) Dibromofluoromethane	5.385	113	72697	48.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.800%		
50) Toluene-d8	8.647	98	271720	50.163	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.320%		
62) 4-Bromofluorobenzene	11.079	95	93946	46.713	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.420%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	654	2.163	ug/l #	86
16) Acetone	2.374	43	13926	10.131	ug/l	98
17) Carbon Disulfide	2.514	76	103	1.851	ug/l #	76
18) Methyl Acetate	2.697	43	1746	0.719	ug/l	100
20) Methylene Chloride	2.788	84	3118	Below Cal		91
25) 2-Butanone	4.574	43	2576	2.265	ug/l	91
29) Tetrahydrofuran	5.038	42	462	0.645	ug/l #	43
31) Cyclohexane	5.556	56	2307	0.901	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9964	4.592	ug/l #	48
37) Ethyl Acetate	4.715	43	20937	7.695	ug/l	97
38) Carbon Tetrachloride	5.550	117	13754	6.120	ug/l #	15
40) Benzene	6.031	78	4575	0.723	ug/l	91
43) Isopropyl Acetate	6.336	43	88189	25.746	ug/l	98
48) Methyl methacrylate	7.793	41	76039	44.069	ug/l #	44
49) 1,4-Dioxane	7.793	88	85	2.227	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66471	31.598	ug/l #	50
52) Toluene	8.714	92	1124	0.275	ug/l	83
53) t-1,3-Dichloropropene	8.952	75	534	0.250	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	33259	13.918	ug/l #	58
56) Ethyl methacrylate	9.244	69	506	0.222	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4339	1.655	ug/l #	43
59) 2-Hexanone	9.482	43	55971	38.227	ug/l #	50
73) Isopropylbenzene	11.079	105	154	Below Cal	#	48
74) N-amyl acetate	10.640	43	19561	7.411	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	42469	22.995	ug/l #	34
79) 2-Chlorotoluene	11.463	91	83	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42469	71.467	ug/l #	8
82) 4-Chlorotoluene	11.463	91	83	Below Cal	#	43

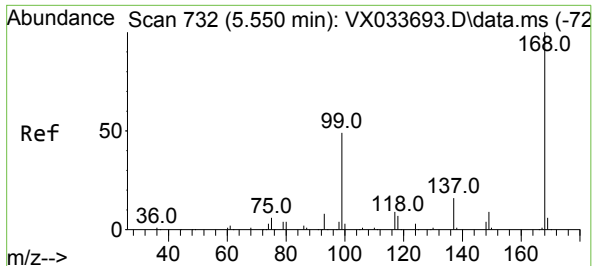
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
Data File : VX033969.D
Acq On : 31 Jan 2023 14:18
Operator : JC/MD
Sample : 01358-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

Quant Time: Feb 01 02:12:13 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

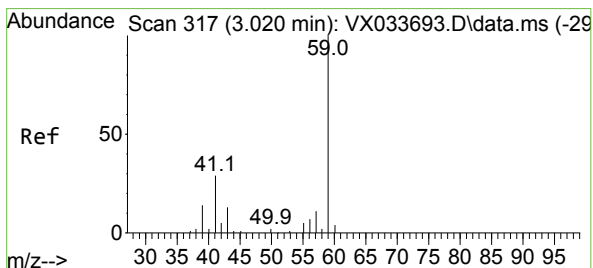
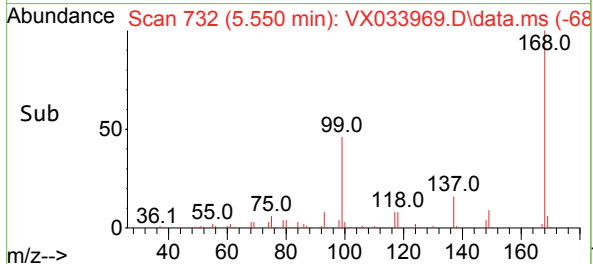
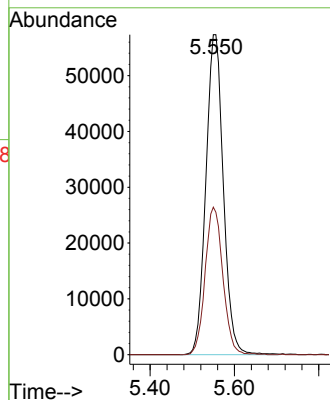
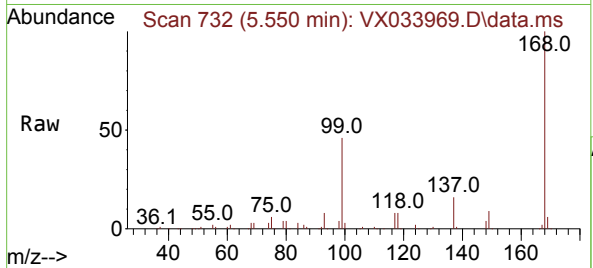




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

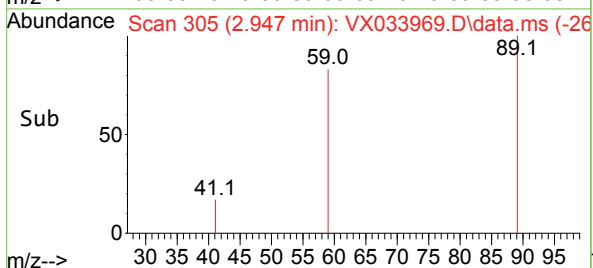
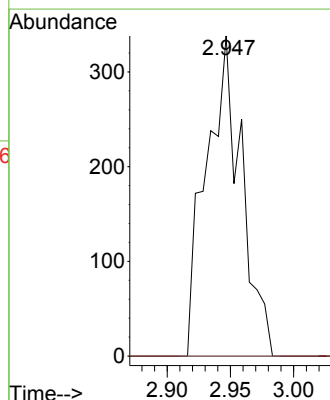
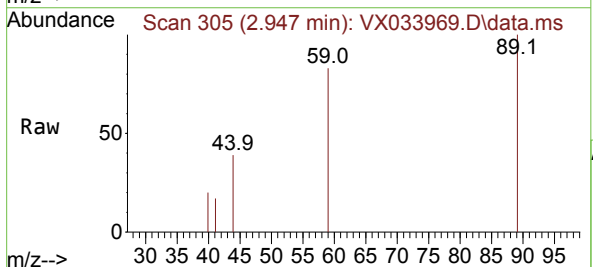
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

Tgt Ion:168 Resp: 165296
Ion Ratio Lower Upper
168 100
99 46.1 39.6 59.4



#11
Tert butyl alcohol
Concen: 2.163 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.073 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 59 Resp: 654
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

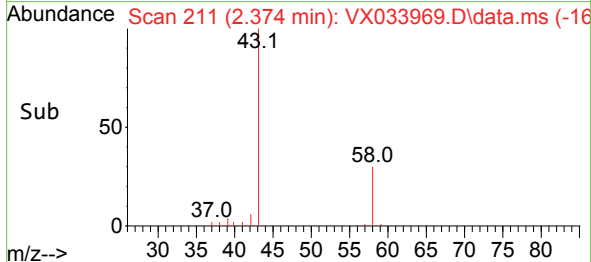
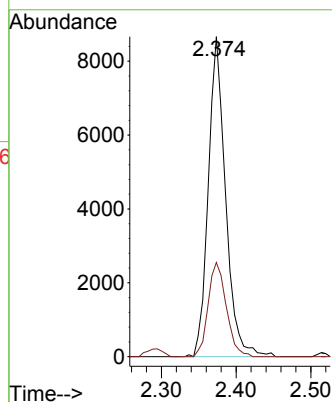
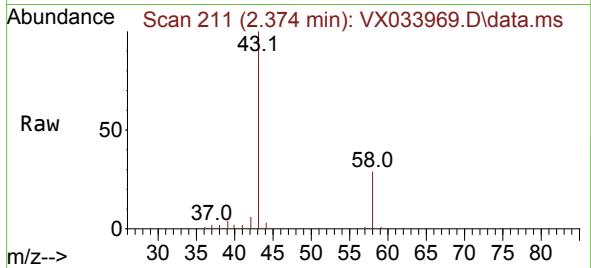




#16
Acetone
Concen: 10.131 ug/l
RT: 2.374 min Scan# 215
Delta R.T. -0.024 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

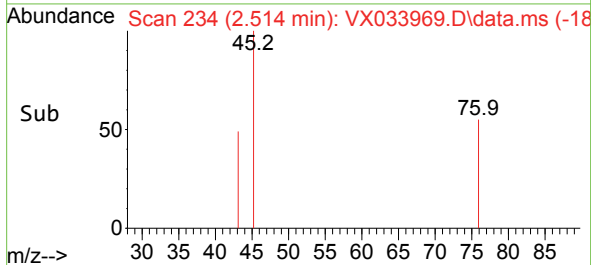
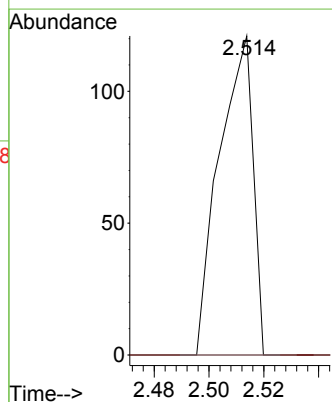
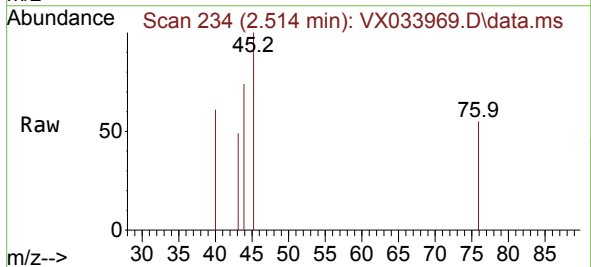
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

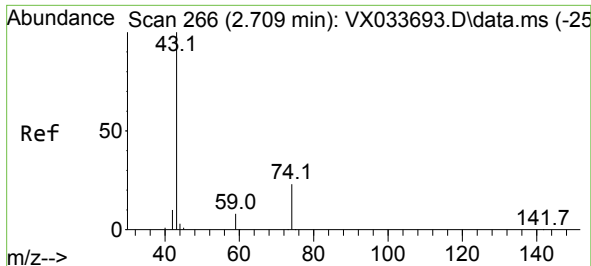
Tgt Ion: 43 Resp: 13926
Ion Ratio Lower Upper
43 100
58 29.4 22.6 33.8



#17
Carbon Disulfide
Concen: 1.851 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 76 Resp: 103
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

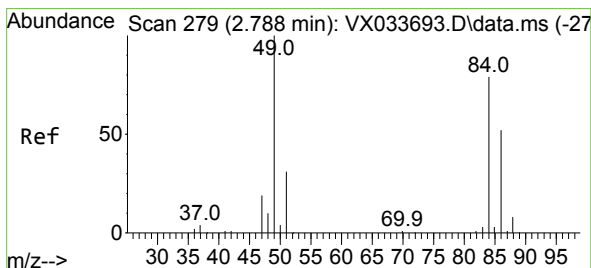
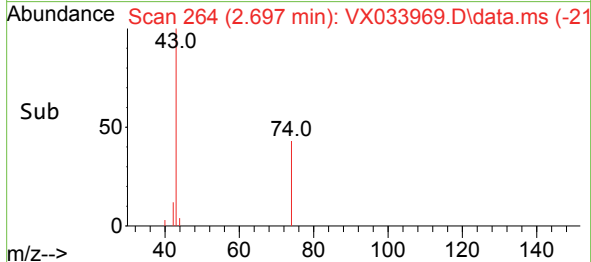
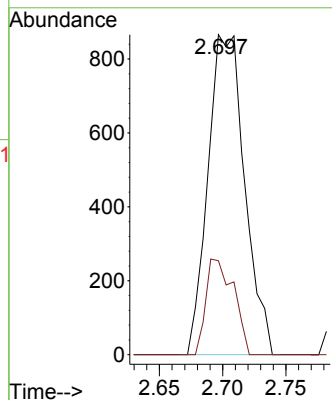
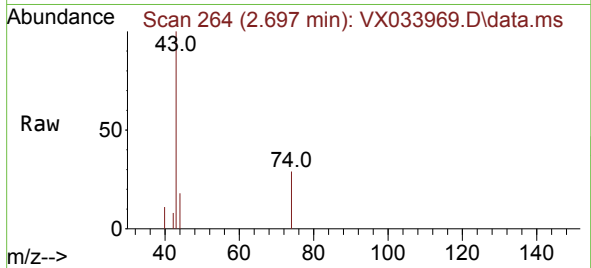




#18
Methyl Acetate
Concen: 0.719 ug/l
RT: 2.697 min Scan# 20
Delta R.T. -0.012 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

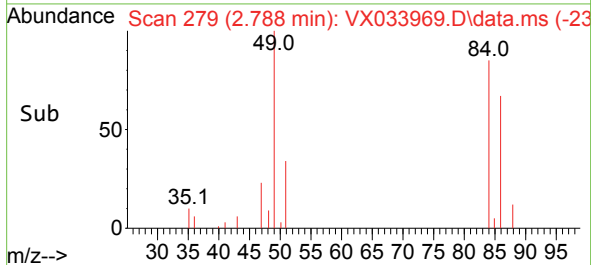
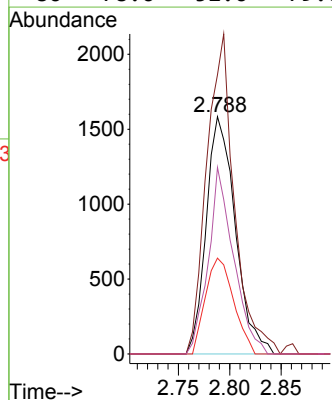
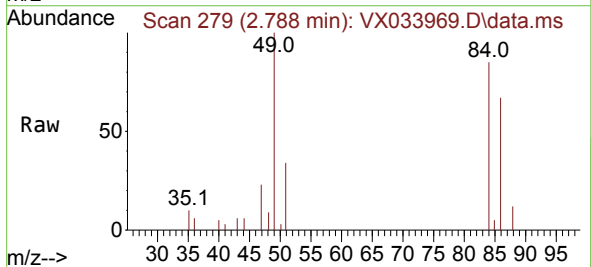
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

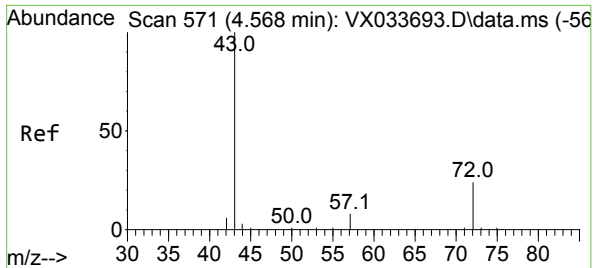
Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
74 22.6 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 84 Resp: 3118
Ion Ratio Lower Upper
84 100
49 117.7 101.1 151.7
51 40.4 31.0 46.6
86 78.6 52.6 79.0





#25

2-Butanone

Concen: 2.265 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

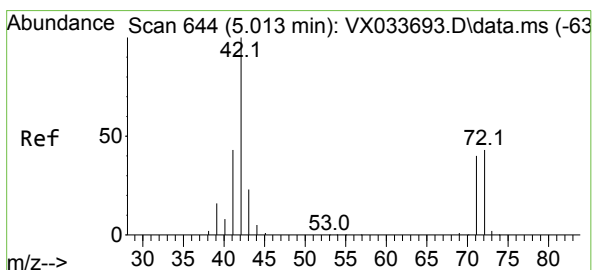
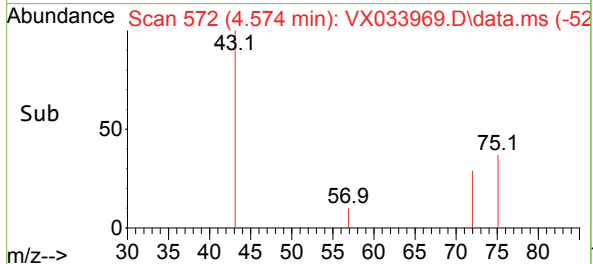
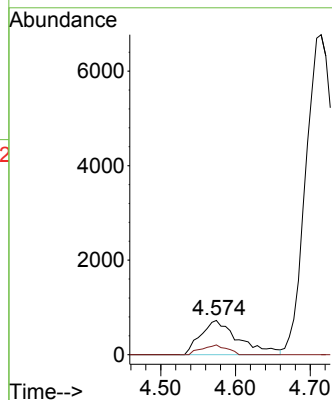
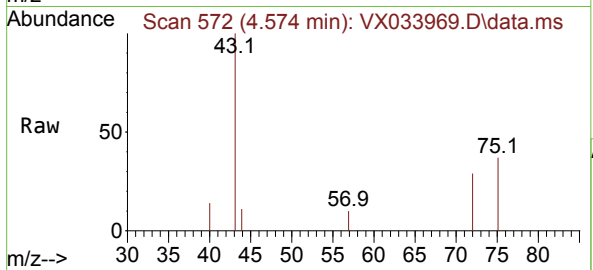
JC-3-012723

Tgt Ion: 43 Resp: 2576

Ion Ratio Lower Upper

43 100

72 28.6 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.024 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

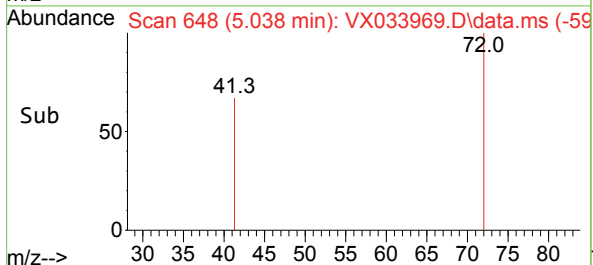
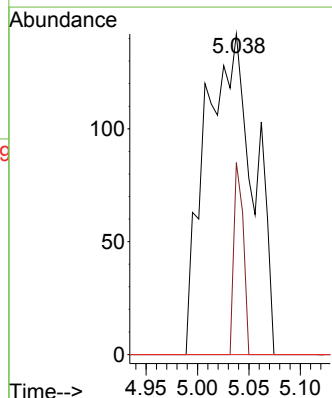
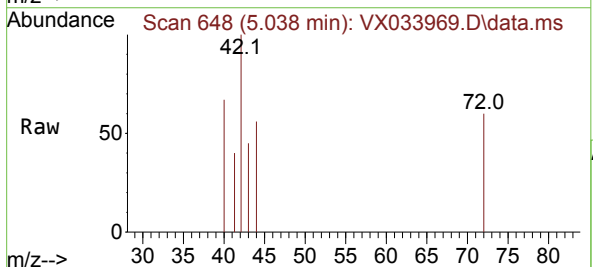
Tgt Ion: 42 Resp: 462

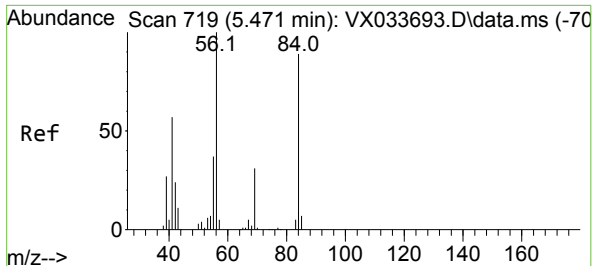
Ion Ratio Lower Upper

42 100

72 11.7 34.8 52.2#

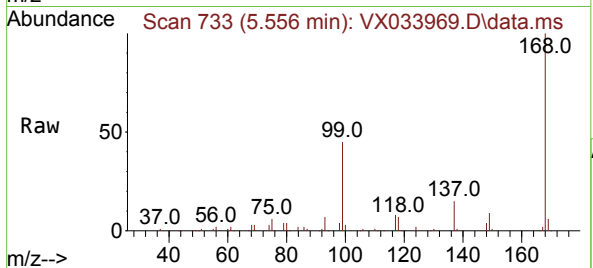
71 0.0 32.2 48.2#



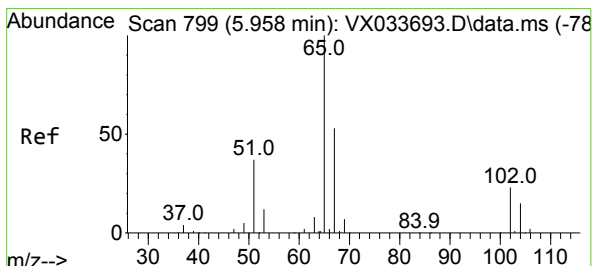
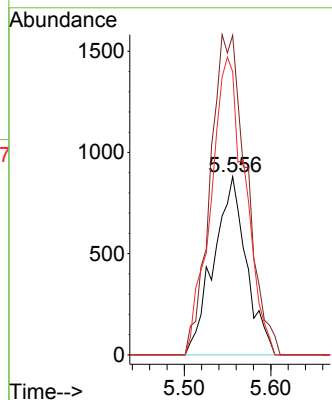
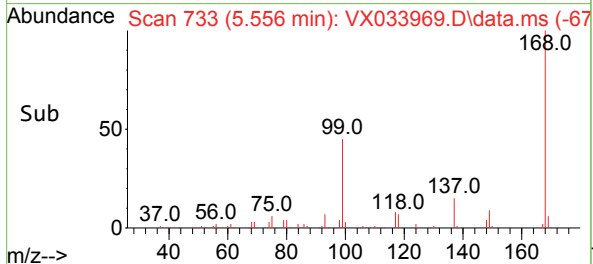


#31
Cyclohexane
Concen: 0.901 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

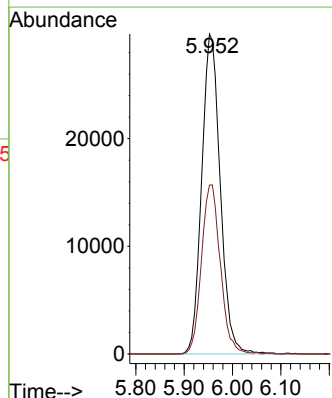
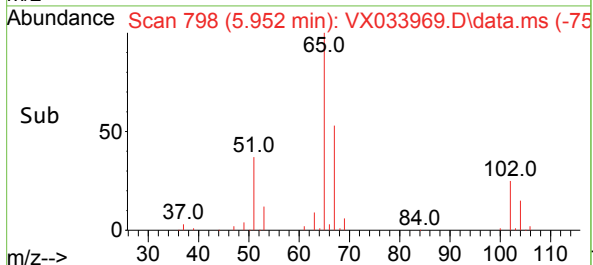
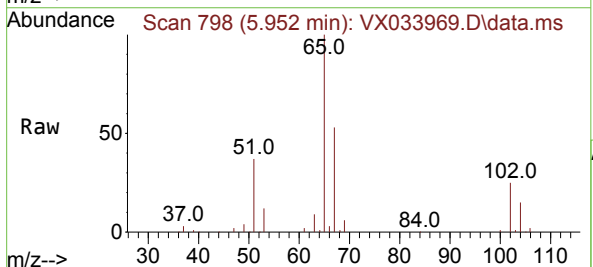


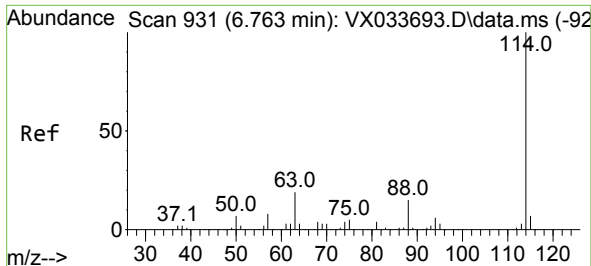
Tgt Ion: 56 Resp: 2307
Ion Ratio Lower Upper
56 100
69 179.4 24.6 37.0#
84 159.0 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.475 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 65 Resp: 79145
Ion Ratio Lower Upper
65 100
67 53.8 0.0 104.8

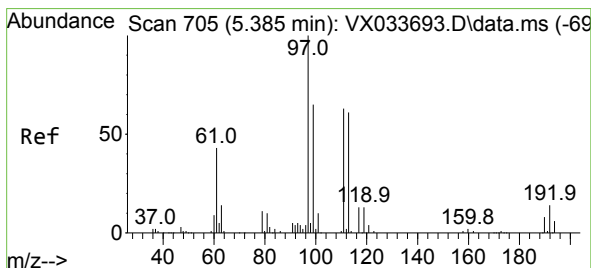
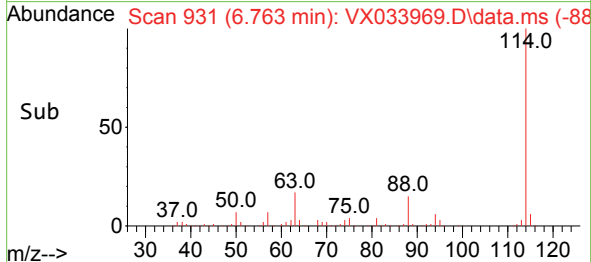
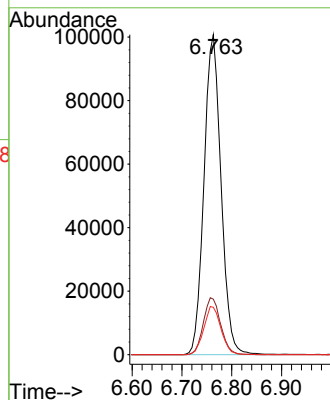
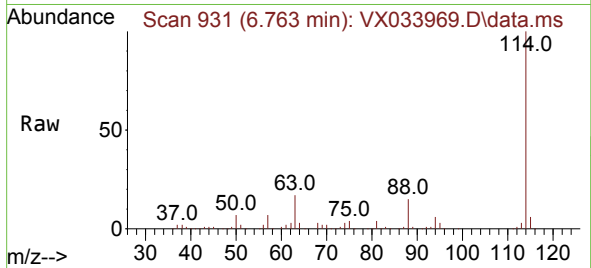




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

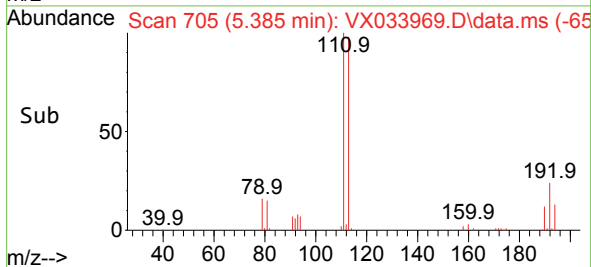
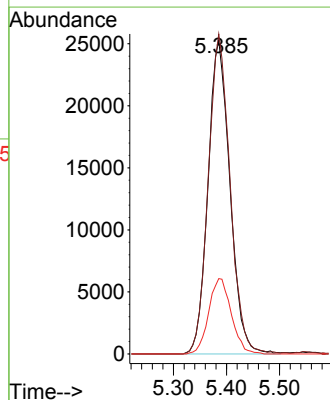
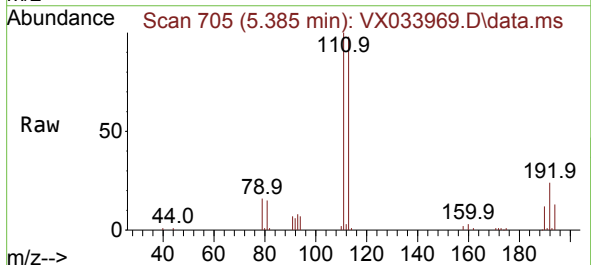
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

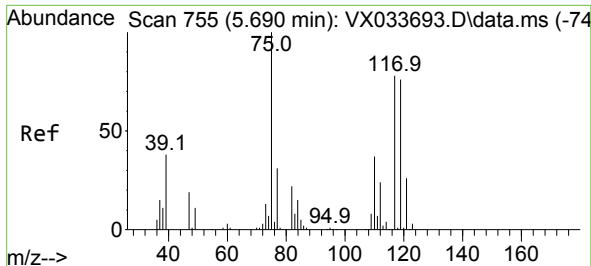
Tgt Ion:114 Resp: 239421
Ion Ratio Lower Upper
114 100
63 17.3 0.0 37.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.899 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion:113 Resp: 72697
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.6
192 24.7 19.0 28.4

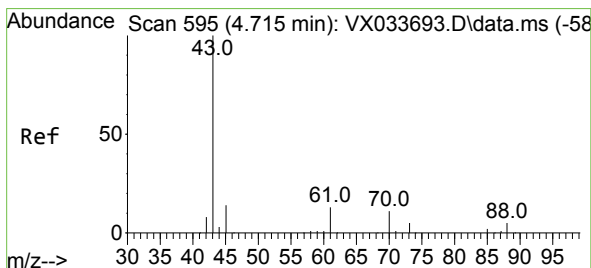
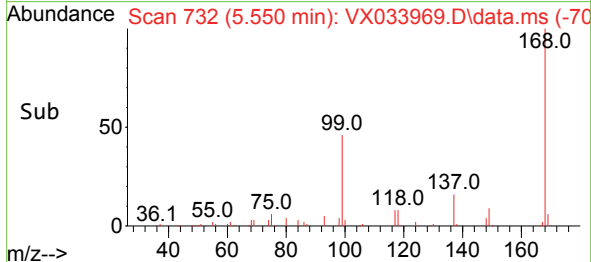
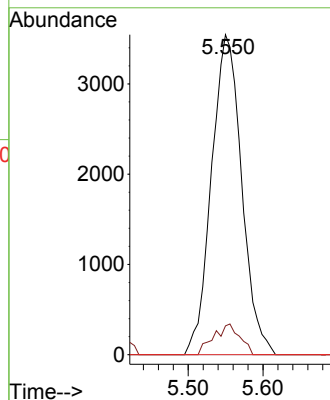
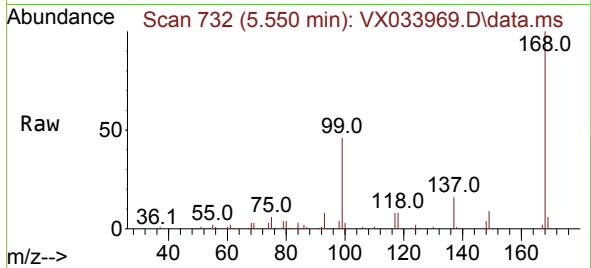




#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

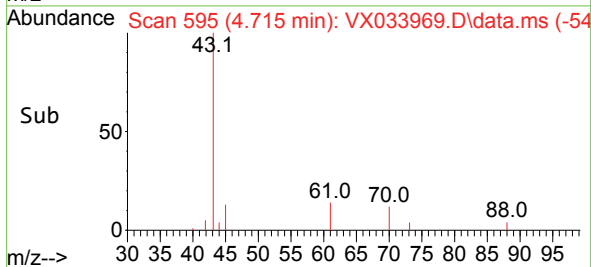
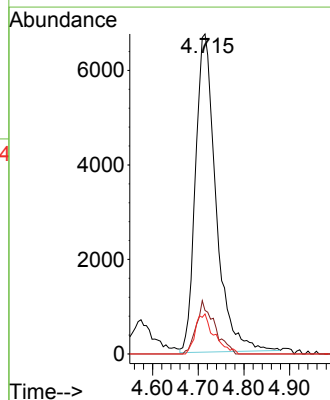
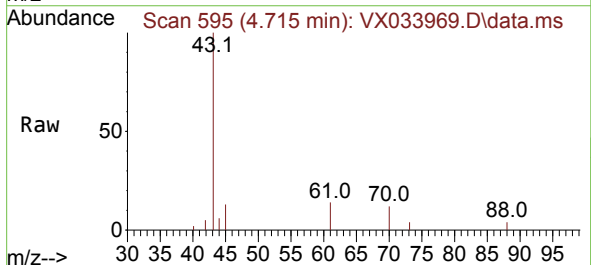
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

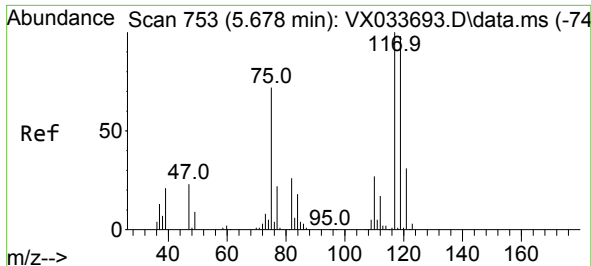
Tgt Ion: 75 Resp: 9964
Ion Ratio Lower Upper
75 100
110 8.3 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.695 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

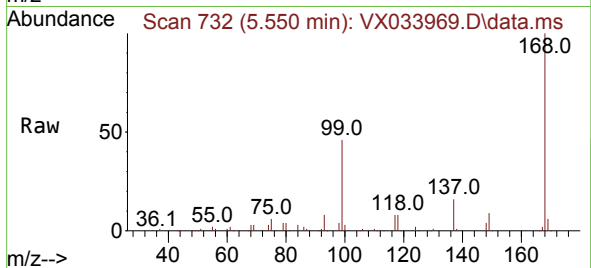
Tgt Ion: 43 Resp: 20937
Ion Ratio Lower Upper
43 100
61 14.9 11.1 16.7
70 11.6 8.5 12.7



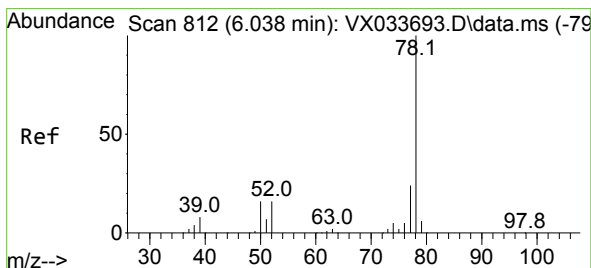
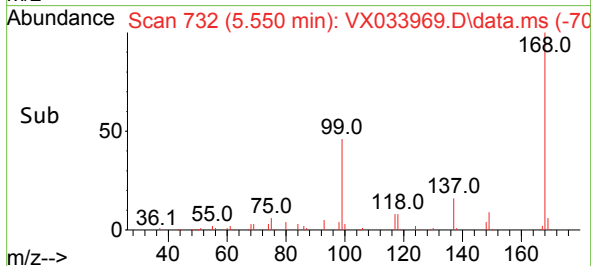
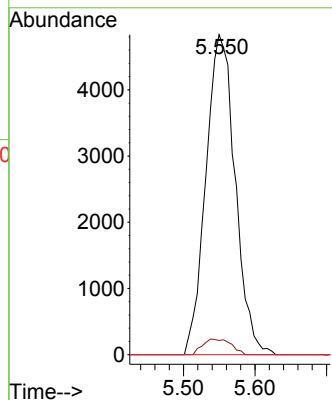


#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

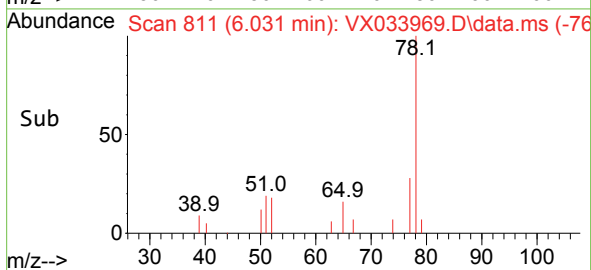
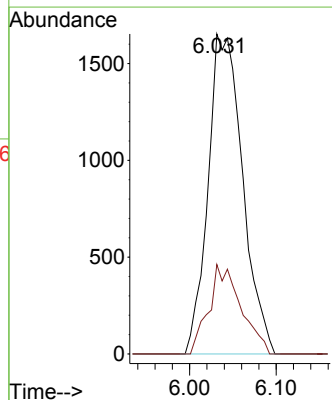
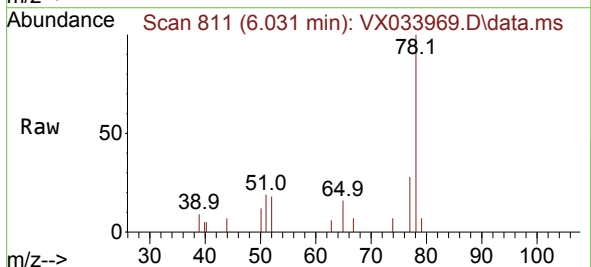


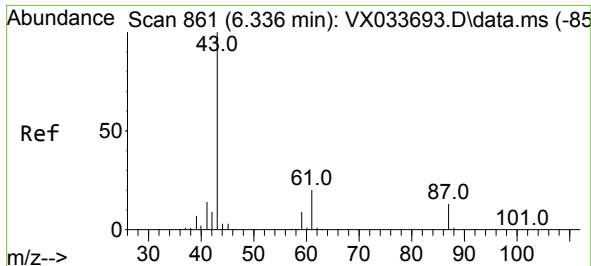
Tgt Ion:117 Resp: 13754
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 0.723 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 78 Resp: 4575
Ion Ratio Lower Upper
78 100
77 27.9 19.0 28.4

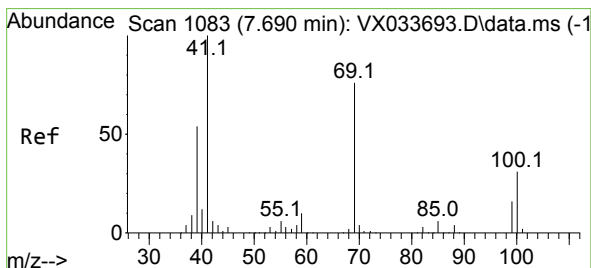
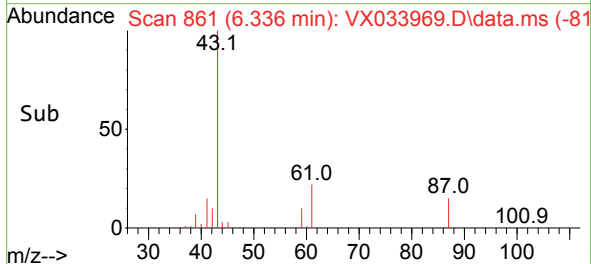
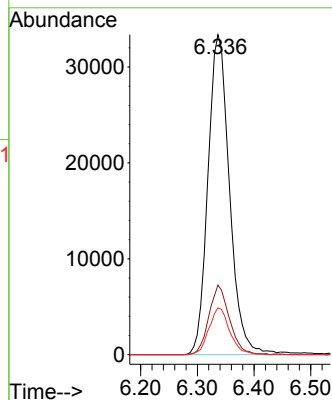
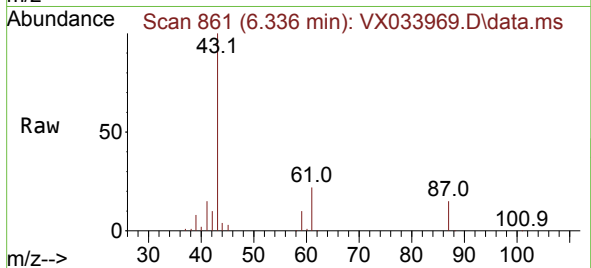




#43
Isopropyl Acetate
Concen: 25.746 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

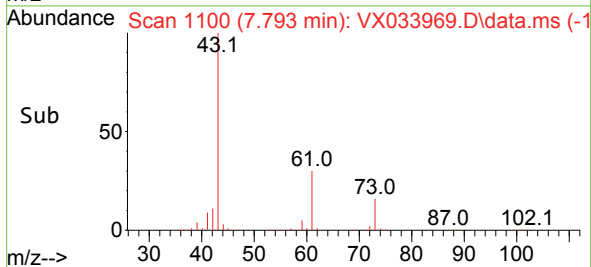
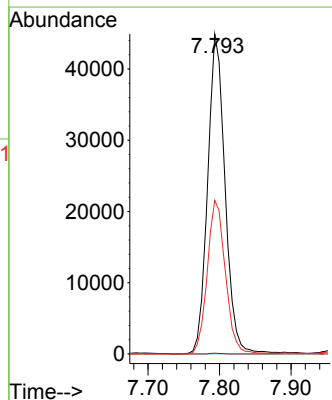
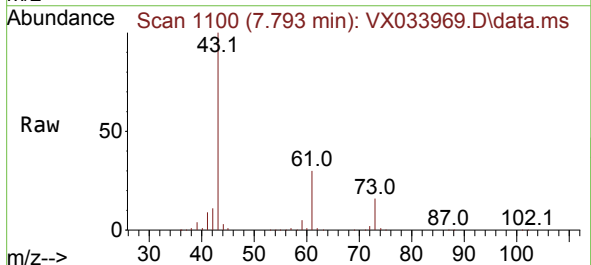
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

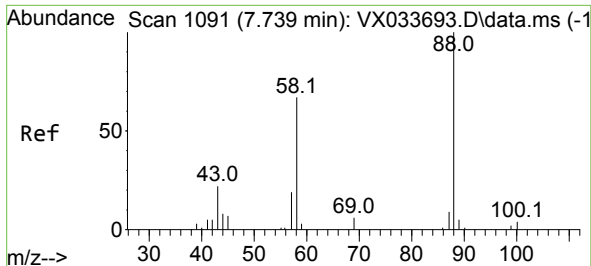
Tgt Ion: 43 Resp: 88189
Ion Ratio Lower Upper
43 100
61 20.7 15.7 23.5
87 14.1 10.6 15.8



#48
Methyl methacrylate
Concen: 44.069 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 41 Resp: 76039
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.9 43.2 64.8

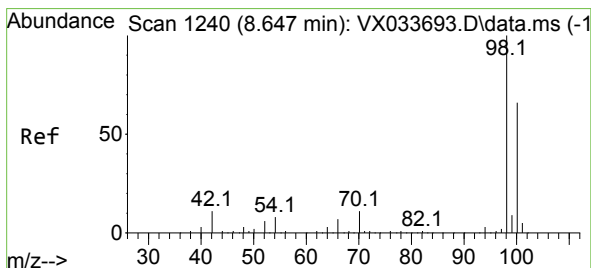
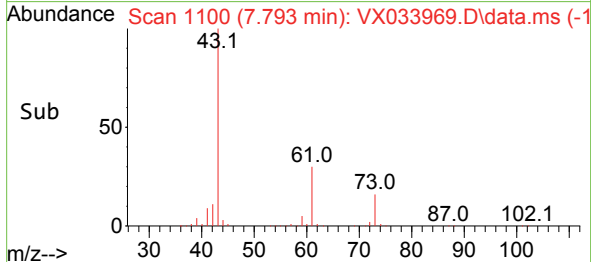
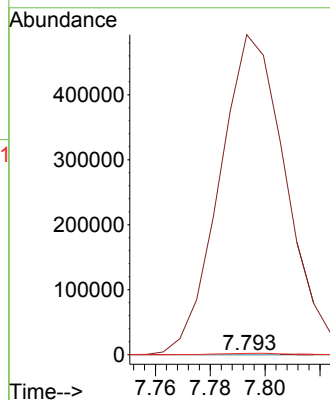
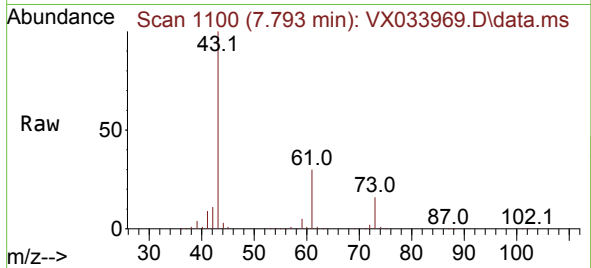




#49
1,4-Dioxane
Concen: 2.227 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

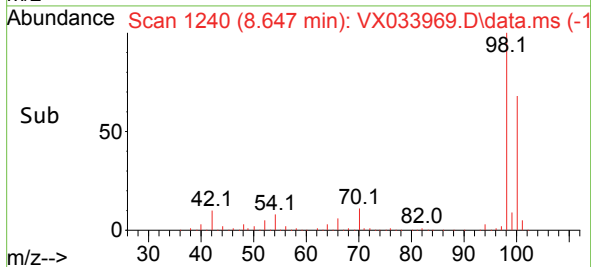
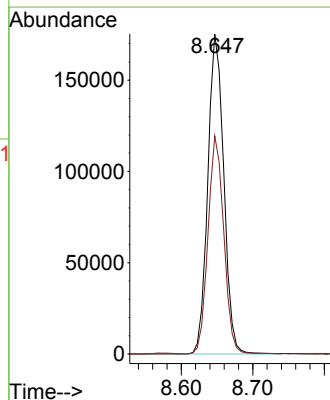
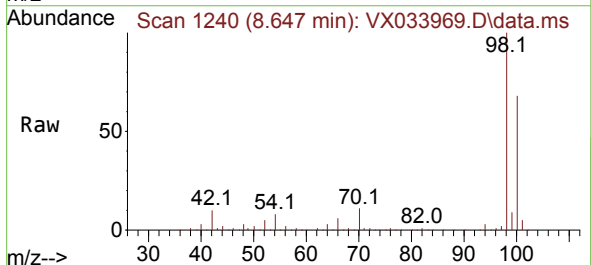
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

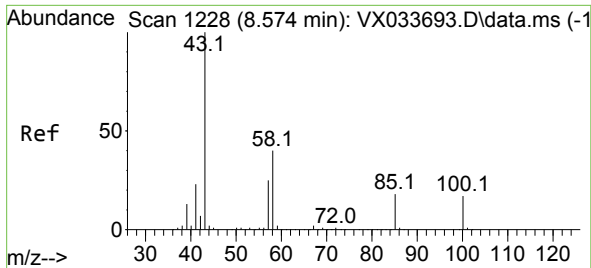
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 995474.1 0.0 0.0#
58 4375.3 56.5 84.7#



#50
Toluene-d8
Concen: 50.163 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 98 Resp: 271720
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4

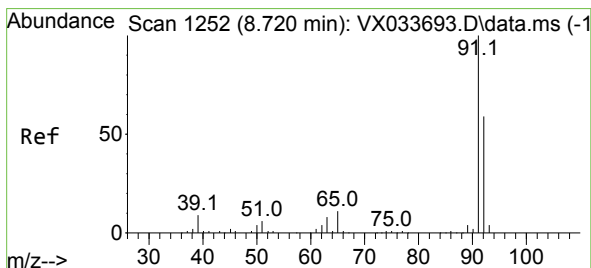
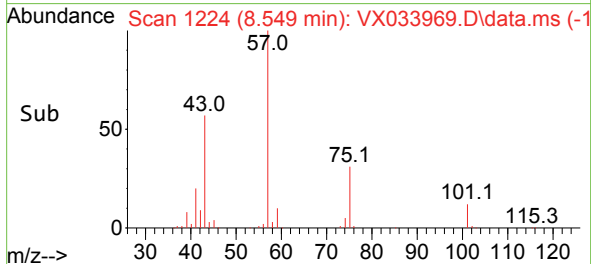
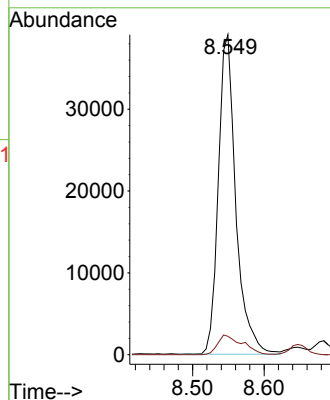
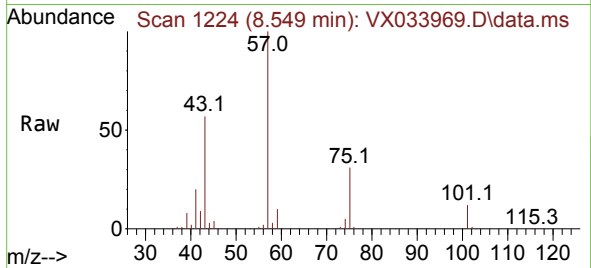




#51
4-Methyl-2-Pentanone
Concen: 31.598 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

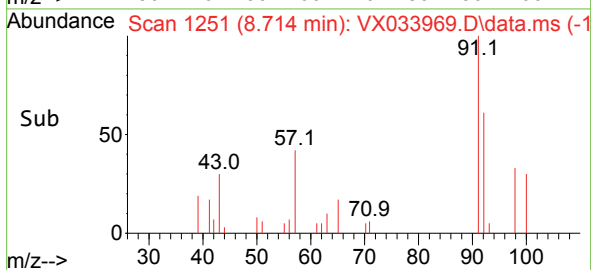
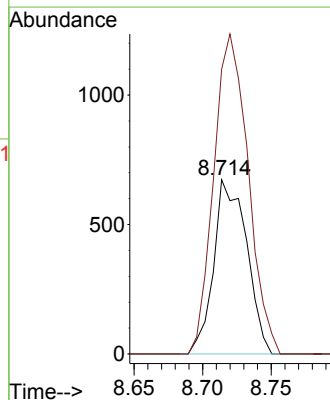
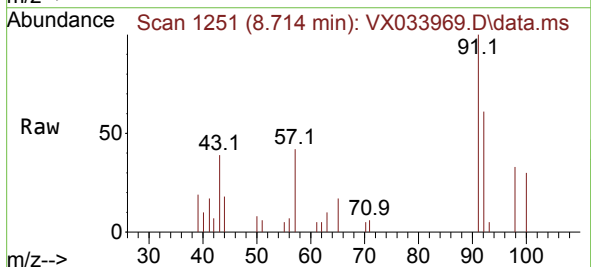
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

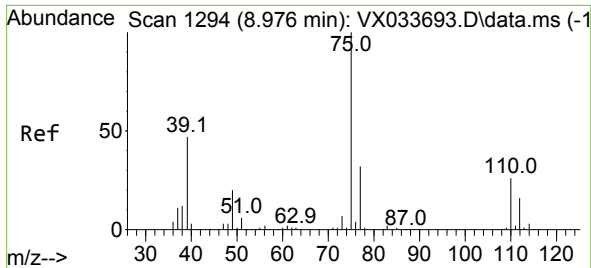
Tgt Ion: 43 Resp: 66471
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#



#52
Toluene
Concen: 0.275 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 92 Resp: 1124
Ion Ratio Lower Upper
92 100
91 192.3 135.5 203.3

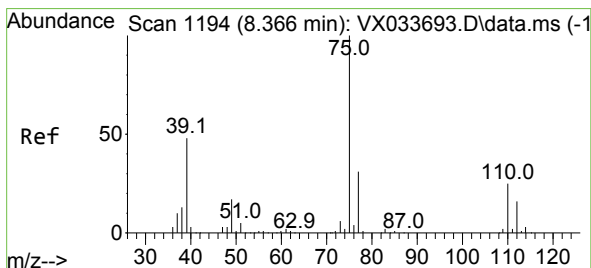
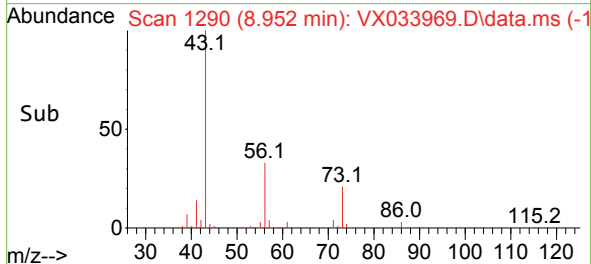
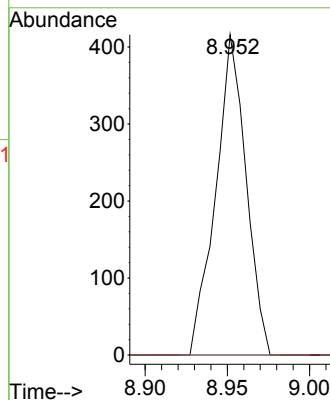
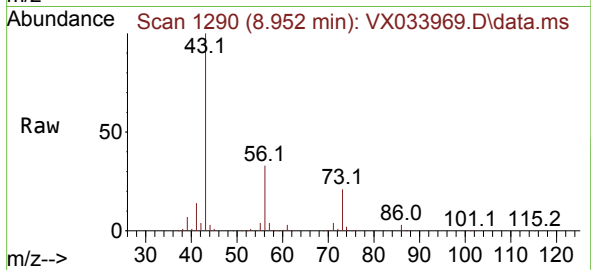




#53
 t-1,3-Dichloropropene
 Concen: 0.250 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033969.D
 Acq: 31 Jan 2023 14:18

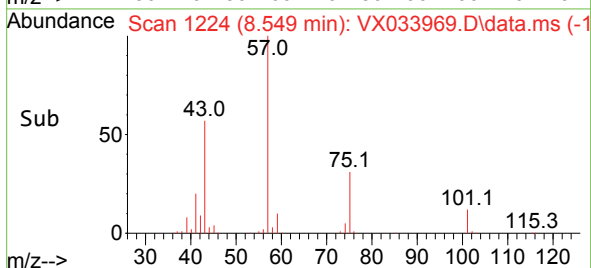
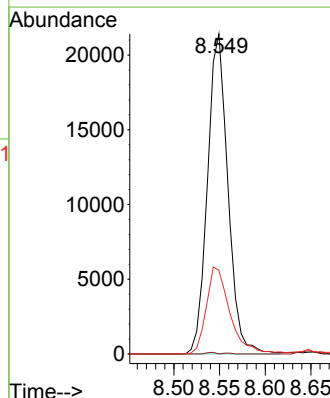
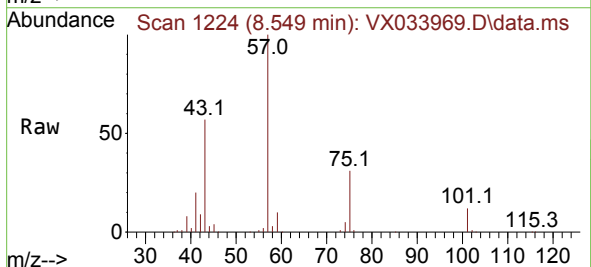
Instrument :
 MSVOA_X
 ClientSampleId :
 JC-3-012723

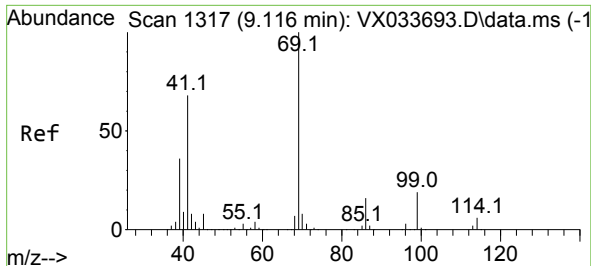
Tgt Ion: 75 Resp: 534
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.918 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033969.D
 Acq: 31 Jan 2023 14:18

Tgt Ion: 75 Resp: 33259
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 26.1 38.6 58.0#

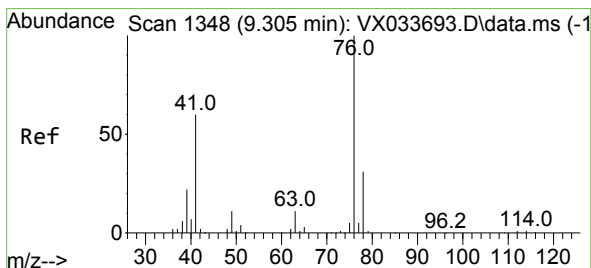
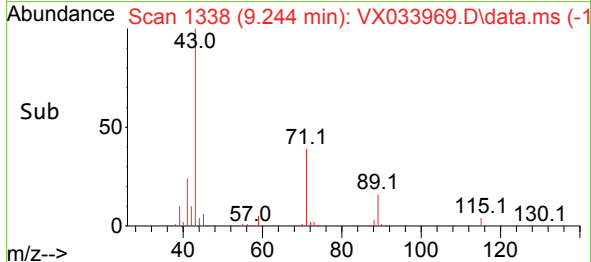
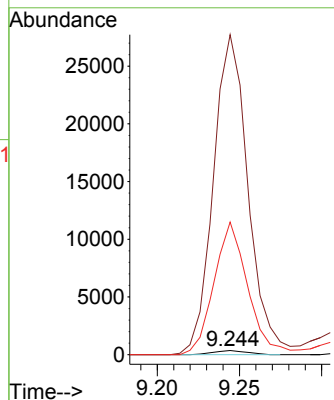
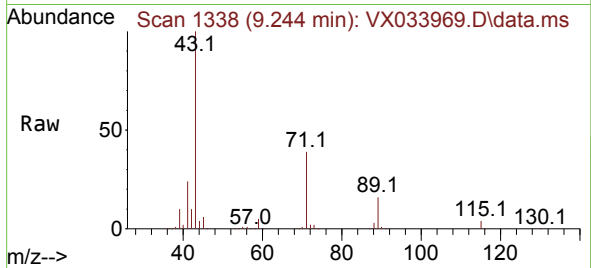




#56
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

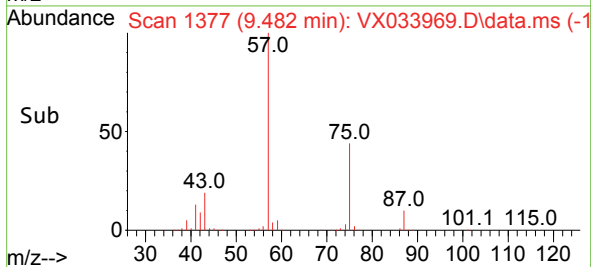
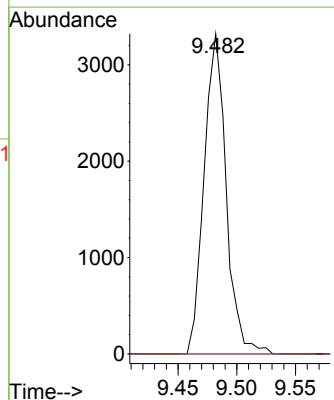
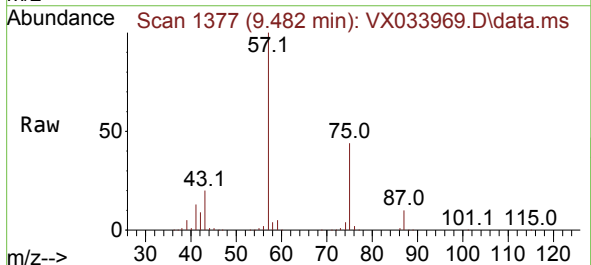
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

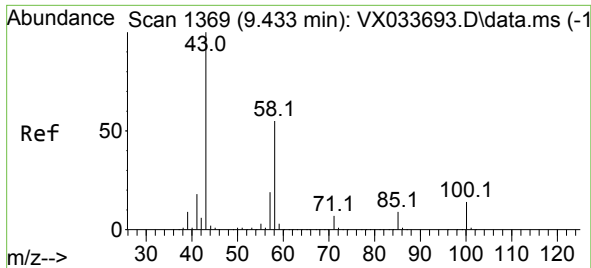
Tgt Ion: 69 Resp: 506
Ion Ratio Lower Upper
69 100
41 8068.2 55.1 82.7#
39 3236.6 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.655 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 76 Resp: 4339
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

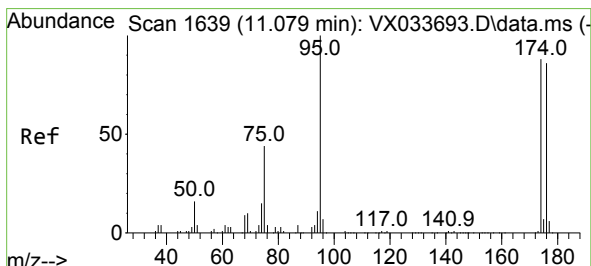
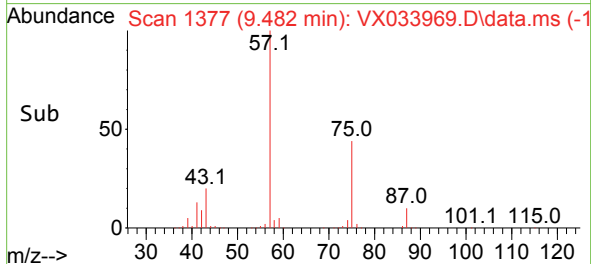
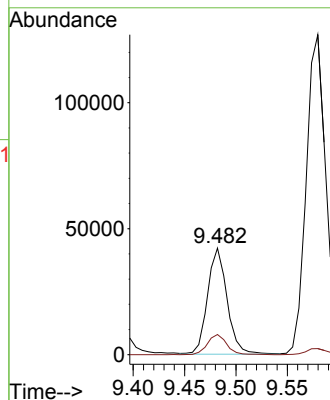
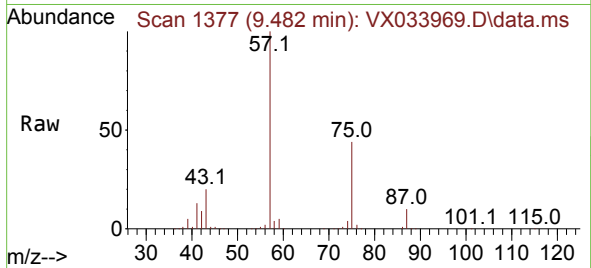




#59
2-Hexanone
Concen: 38.227 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

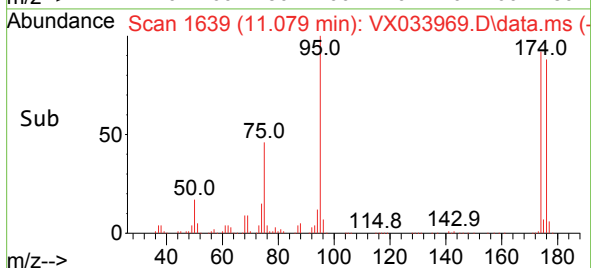
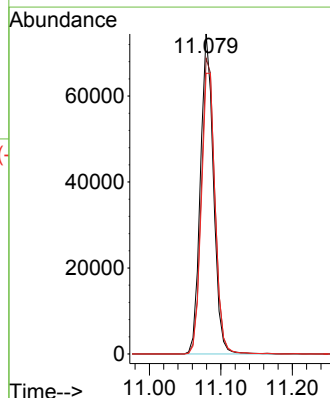
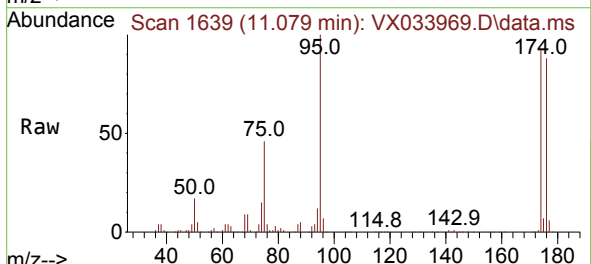
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

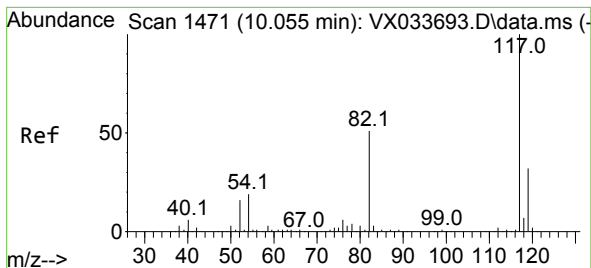
Tgt Ion: 43 Resp: 55971
Ion Ratio Lower Upper
43 100
58 19.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.713 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 95 Resp: 93946
Ion Ratio Lower Upper
95 100
174 96.4 0.0 184.4
176 93.6 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

JC-3-012723

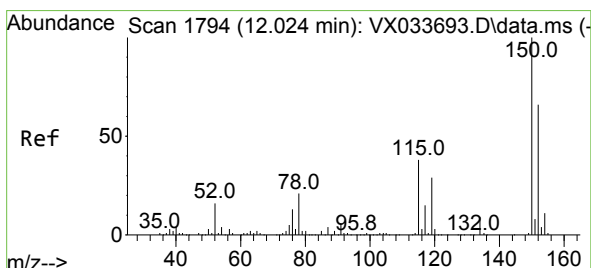
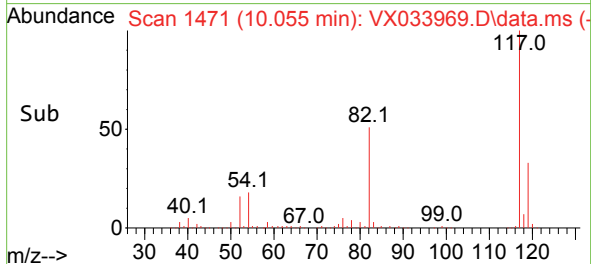
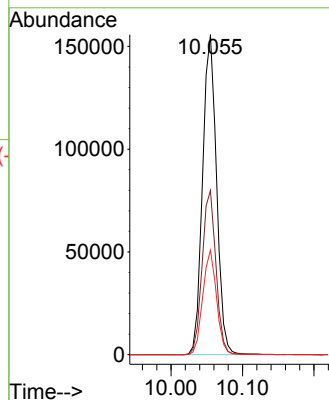
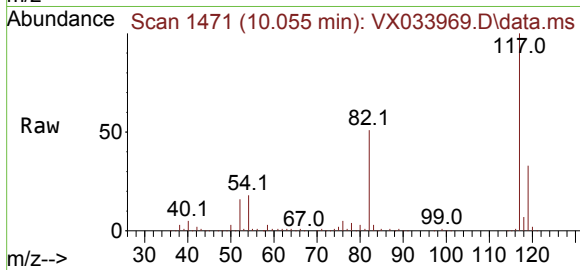
Tgt Ion:117 Resp: 211297

Ion Ratio Lower Upper

117 100

82 51.3 40.6 60.8

119 32.7 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: VX033969.D

Acq: 31 Jan 2023 14:18

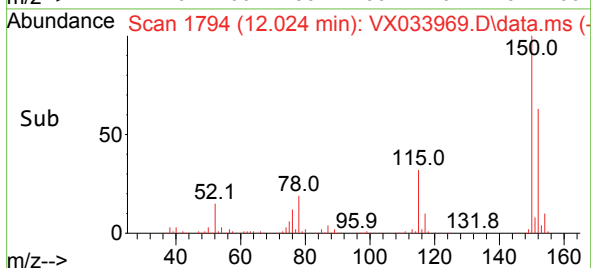
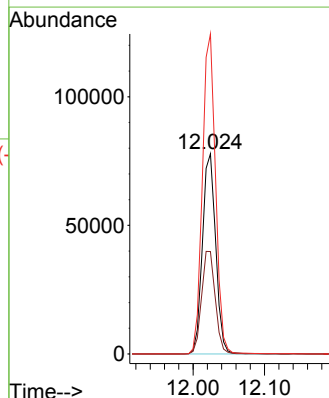
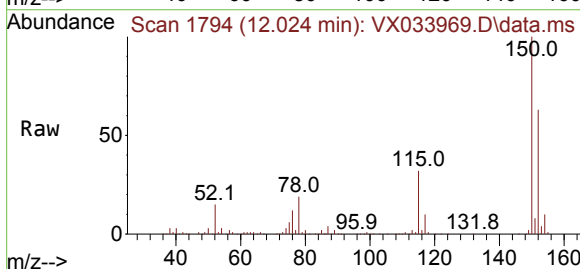
Tgt Ion:152 Resp: 100517

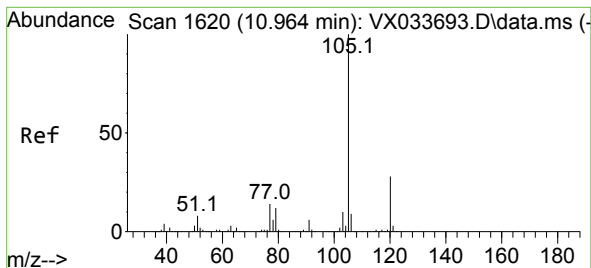
Ion Ratio Lower Upper

152 100

115 52.8 38.7 116.1

150 158.0 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

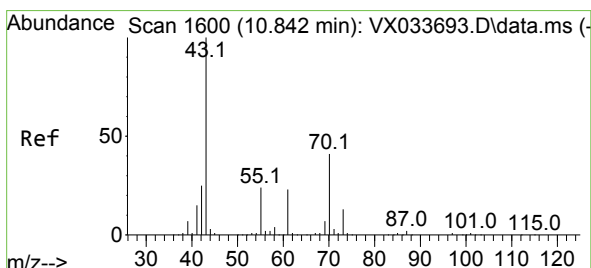
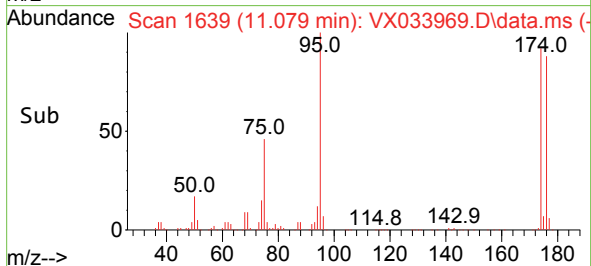
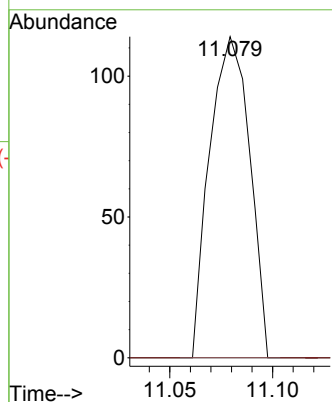
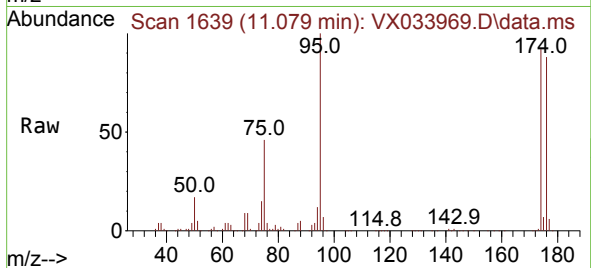
JC-3-012723

Tgt Ion:105 Resp: 154

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-amy1 acetate

Concen: 7.411 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Tgt Ion: 43 Resp: 19561

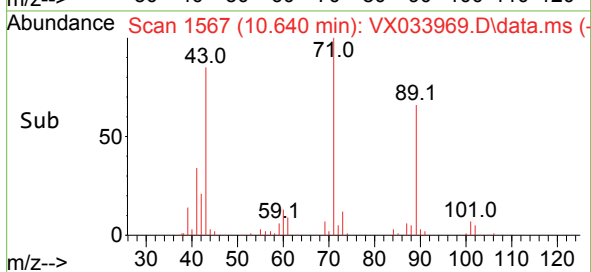
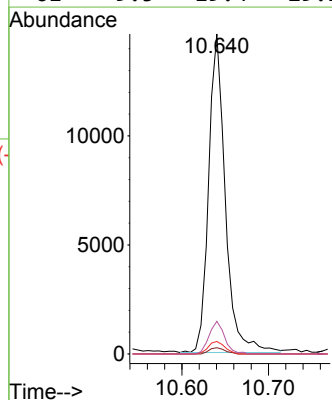
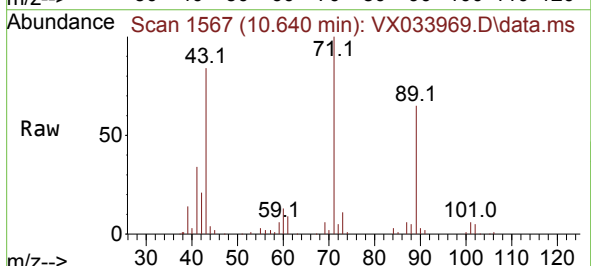
Ion Ratio Lower Upper

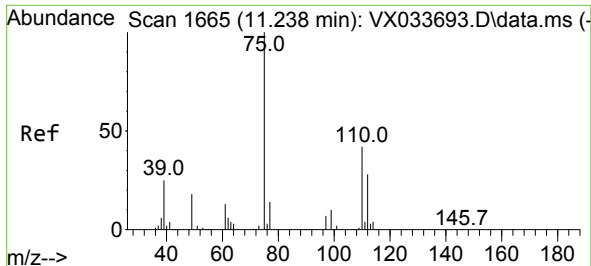
43 100

70 1.9 34.8 52.2#

55 3.9 19.4 29.0#

61 9.5 19.4 29.2#

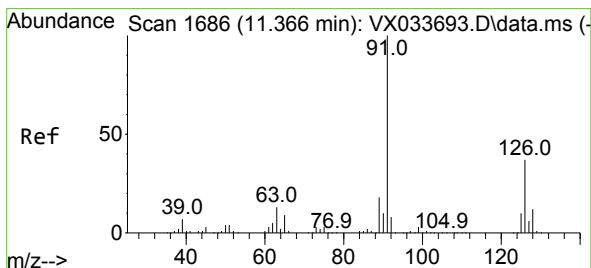
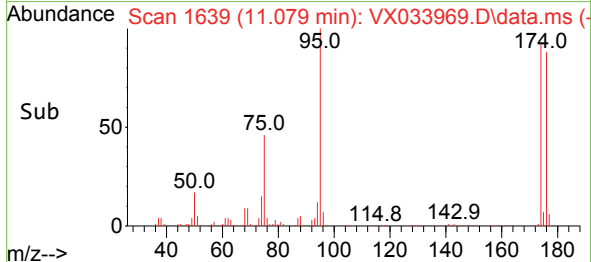
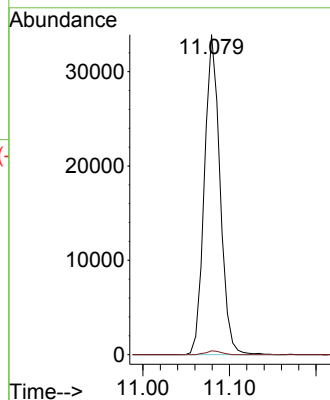
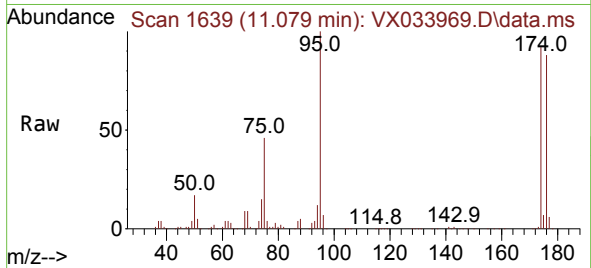




#76
1,2,3-Trichloropropane
Concen: 22.995 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

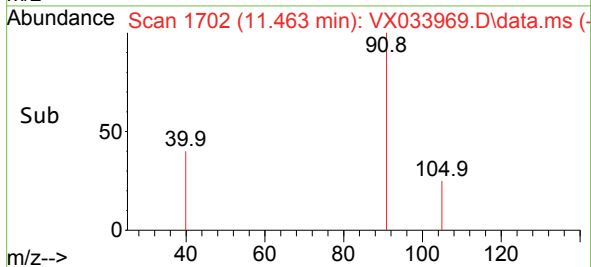
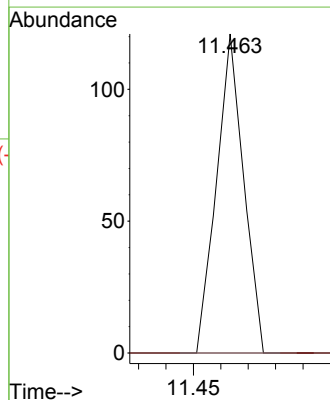
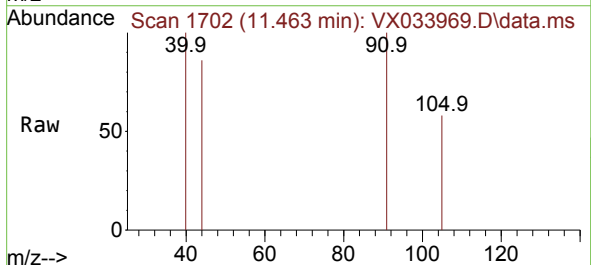
Instrument :
MSVOA_X
ClientSampleId :
JC-3-012723

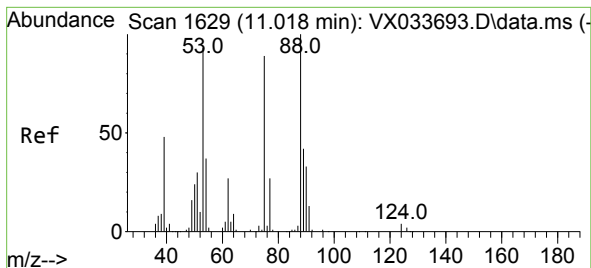
Tgt Ion: 75 Resp: 42469
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.463 min Scan# 1702
Delta R.T. 0.097 min
Lab File: VX033969.D
Acq: 31 Jan 2023 14:18

Tgt Ion: 91 Resp: 83
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#





#81

trans-1,4-Dichloro-2-butene

Concen: 71.467 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Instrument :

MSVOA_X

ClientSampleId :

JC-3-012723

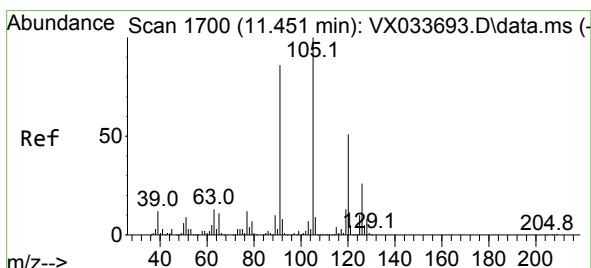
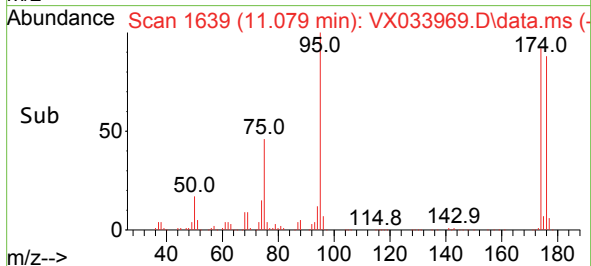
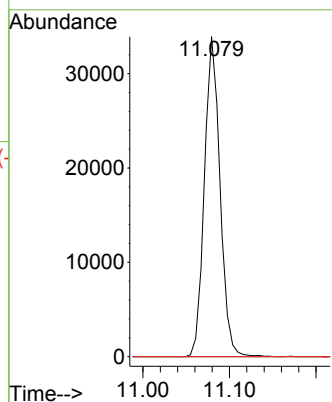
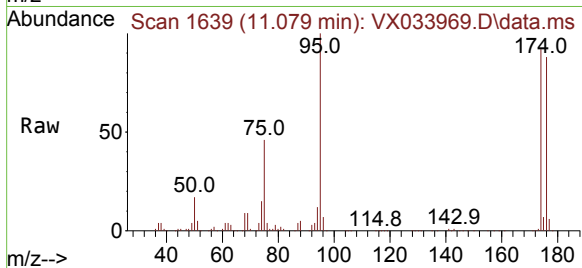
Tgt Ion: 75 Resp: 42469

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: 11.463 min Scan# 1702

Delta R.T. 0.012 min

Lab File: VX033969.D

Acq: 31 Jan 2023 14:18

Tgt Ion: 91 Resp: 83

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

