

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033968.D
 Acq On : 31 Jan 2023 13:55
 Operator : JC/MD
 Sample : 01358-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JC-2-012723

Quant Time: Feb 01 02:11:42 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)

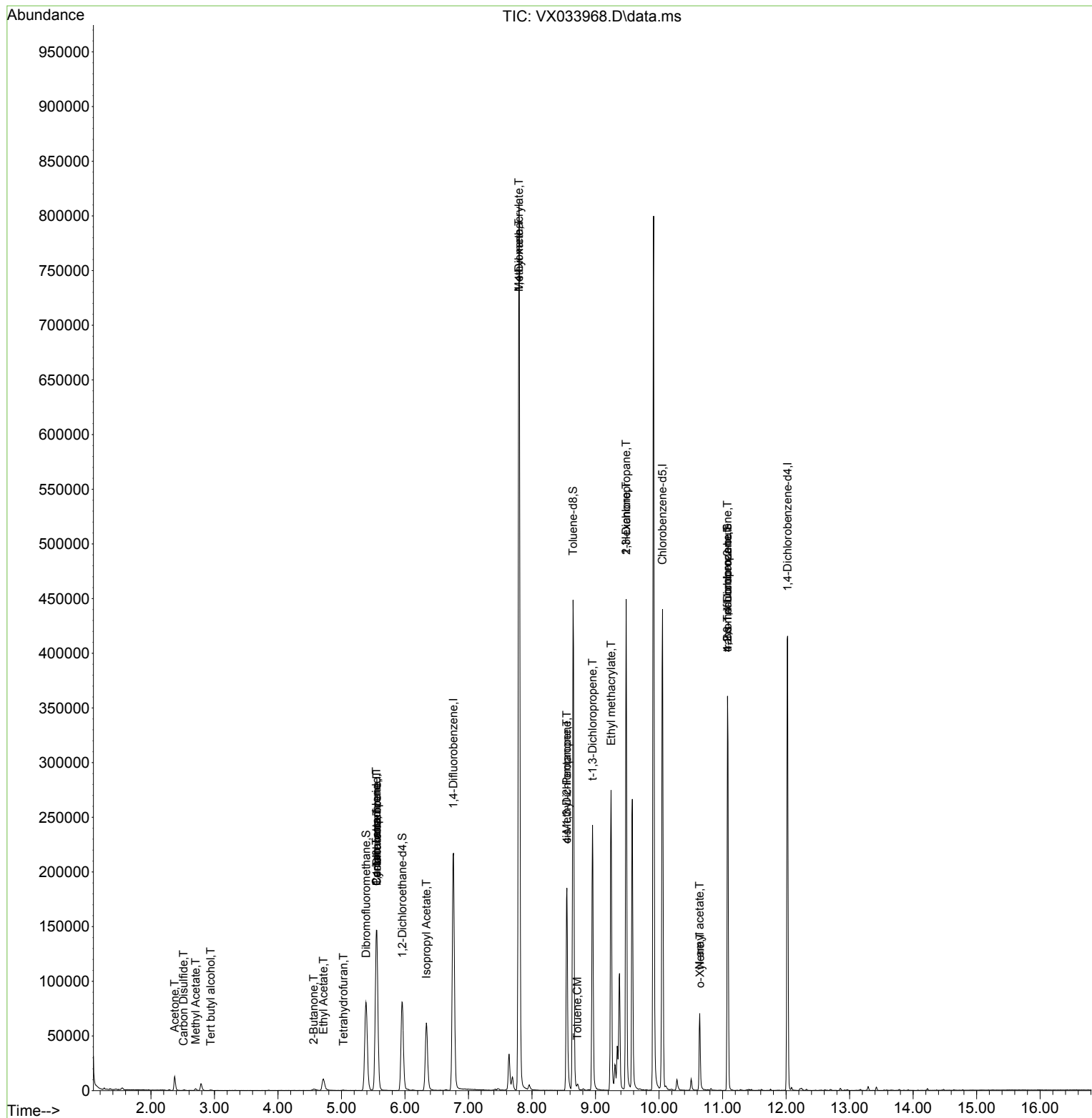
Internal Standards						
1) Pentafluorobenzene	5.556	168	162830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	237563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77559	45.238	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.480%		
35) Dibromofluoromethane	5.385	113	72253	48.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.960%		
50) Toluene-d8	8.647	98	269774	50.193	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.380%		
62) 4-Bromofluorobenzene	11.079	95	93663	46.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	384	1.289	ug/l #	86
16) Acetone	2.373	43	13605	9.940	ug/l	95
17) Carbon Disulfide	2.514	76	170	1.871	ug/l #	76
18) Methyl Acetate	2.703	43	2071	0.866	ug/l	94
20) Methylene Chloride	2.788	84	3209	Below Cal	#	89
25) 2-Butanone	4.562	43	2200	1.964	ug/l	92
29) Tetrahydrofuran	5.031	42	498	0.705	ug/l #	49
31) Cyclohexane	5.556	56	2386	0.946	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9349	4.343	ug/l #	48
37) Ethyl Acetate	4.714	43	19192	6.878	ug/l	96
38) Carbon Tetrachloride	5.550	117	13925	6.245	ug/l #	15
43) Isopropyl Acetate	6.336	43	85635	25.196	ug/l	98
48) Methyl methacrylate	7.793	41	69179	40.406	ug/l #	44
49) 1,4-Dioxane	7.793	88	74	1.954	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66573	31.894	ug/l #	50
52) Toluene	8.714	92	1902	0.469	ug/l	88
53) t-1,3-Dichloropropene	8.951	75	532	0.251	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31957	13.477	ug/l #	60
56) Ethyl methacrylate	9.244	69	523	0.232	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4024	1.547	ug/l #	43
59) 2-Hexanone	9.482	43	53461	36.798	ug/l #	51
69) o-Xylene	10.646	106	926	0.321	ug/l	97
73) Isopropylbenzene	10.957	105	197	Below Cal	#	48
74) N-amyl acetate	10.640	43	18176	6.869	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	43019	23.234	ug/l #	34
79) 2-Chlorotoluene	11.360	91	53	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	43019	72.210	ug/l #	8
82) 4-Chlorotoluene	11.457	91	91	Below Cal	#	43

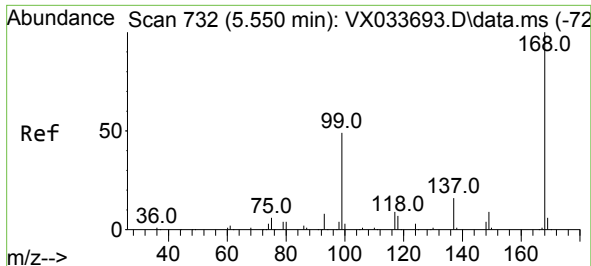
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 01358-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

Quant Time: Feb 01 02:11:42 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

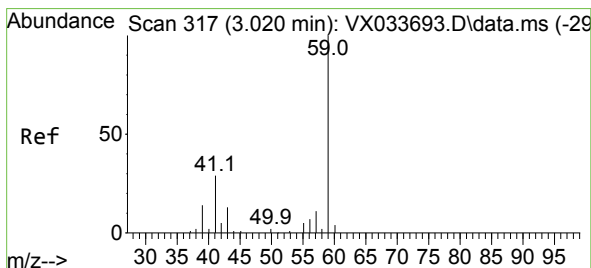
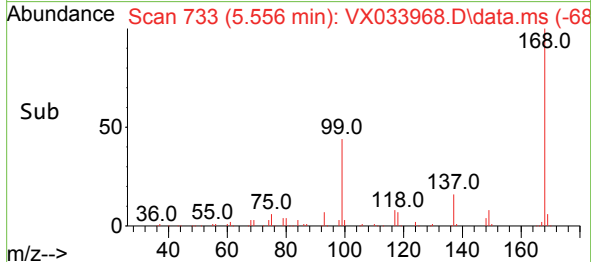
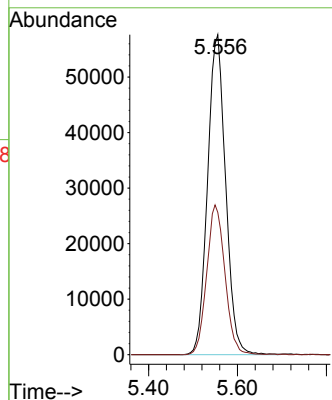
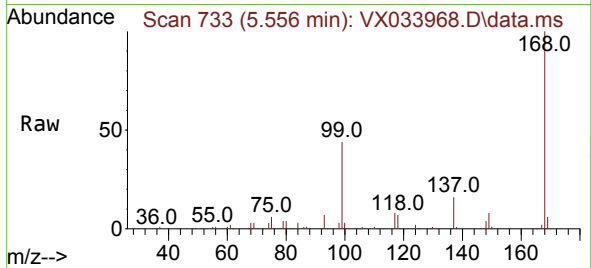




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

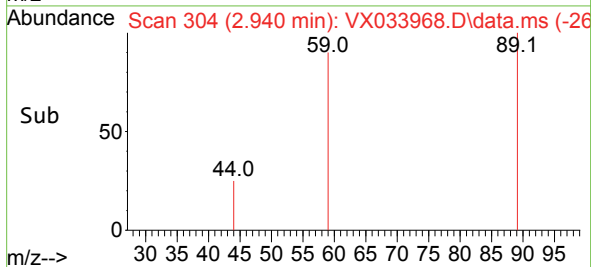
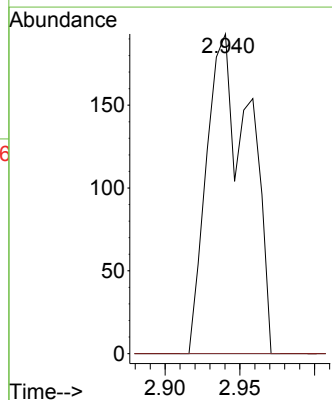
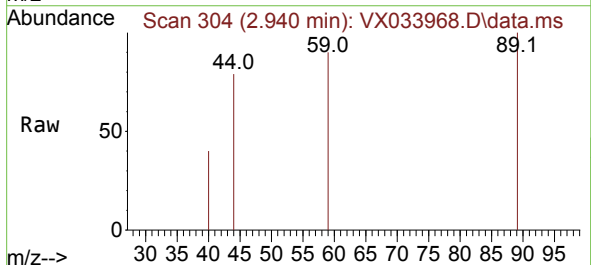
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

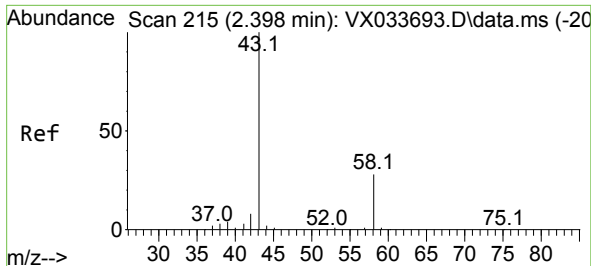
Tgt Ion:168 Resp: 162830
Ion Ratio Lower Upper
168 100
99 44.4 39.6 59.4



#11
Tert butyl alcohol
Concen: 1.289 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

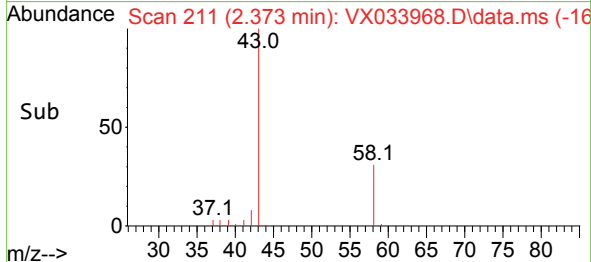
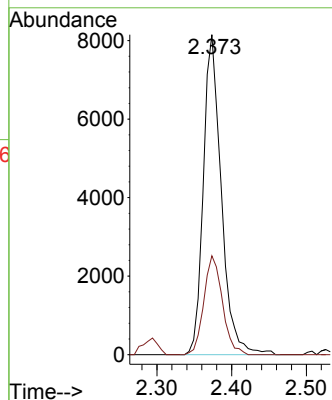
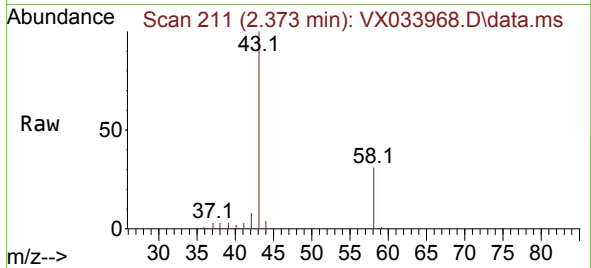




#16
Acetone
Concen: 9.940 ug/l
RT: 2.373 min Scan# 215
Delta R.T. -0.025 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

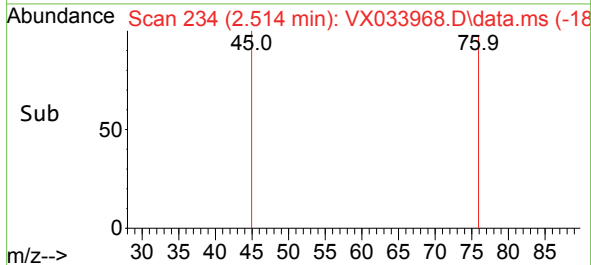
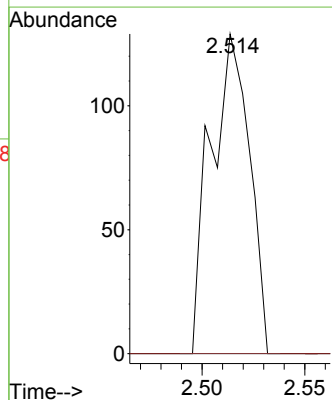
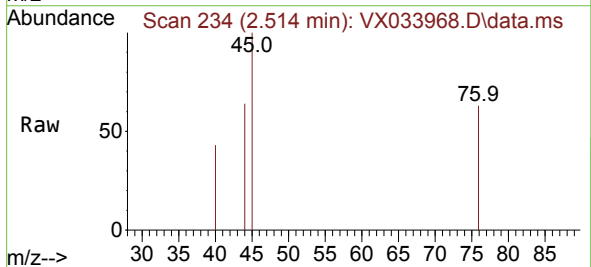
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

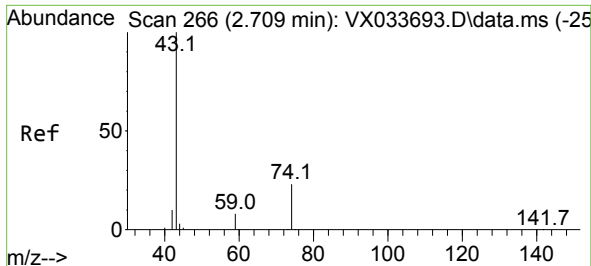
Tgt Ion: 43 Resp: 13605
Ion Ratio Lower Upper
43 100
58 30.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.871 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 76 Resp: 170
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

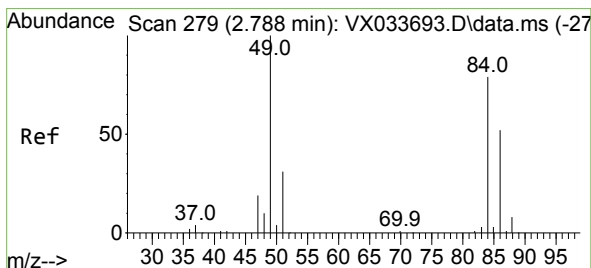
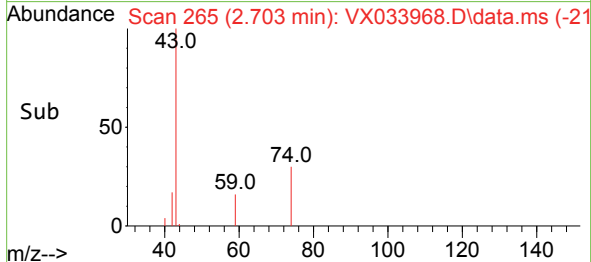
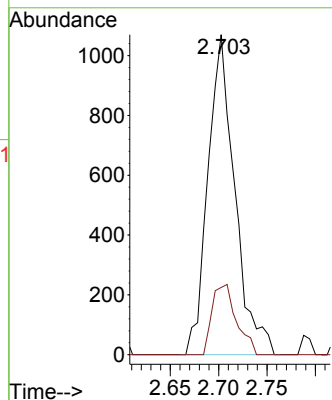
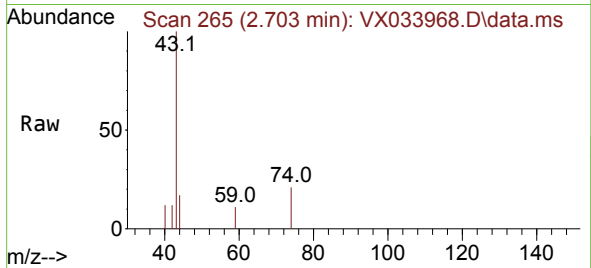




#18
Methyl Acetate
Concen: 0.866 ug/l
RT: 2.703 min Scan# 207
Delta R.T. -0.006 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

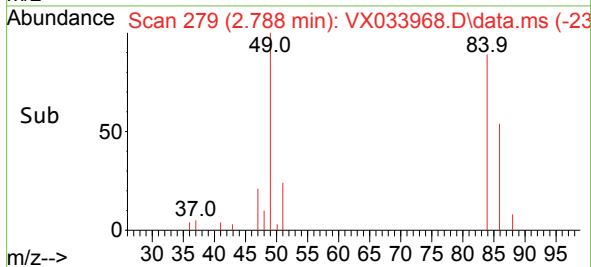
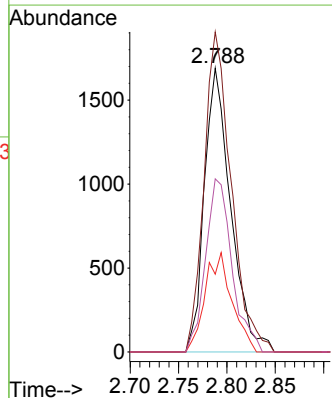
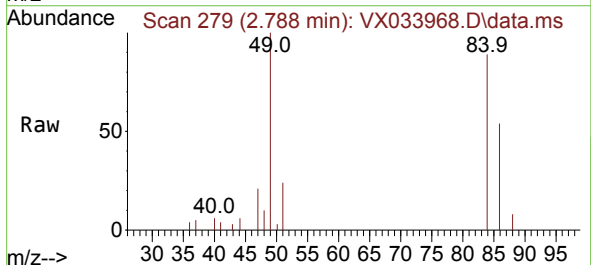
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

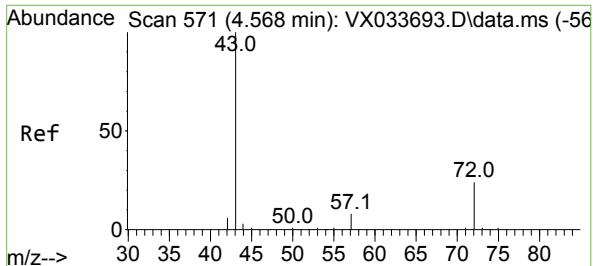
Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
74 19.9 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 84 Resp: 3209
Ion Ratio Lower Upper
84 100
49 112.8 101.1 151.7
51 27.4 31.0 46.6#
86 61.0 52.6 79.0





#25

2-Butanone

Concen: 1.964 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX033968.D

Acq: 31 Jan 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

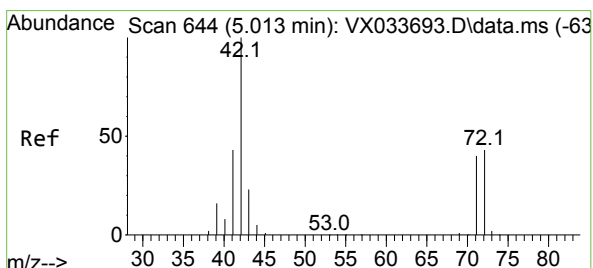
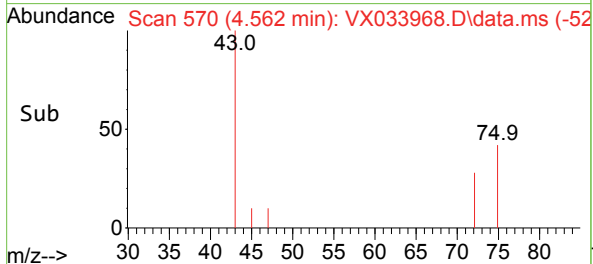
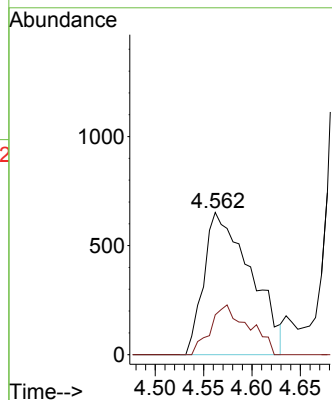
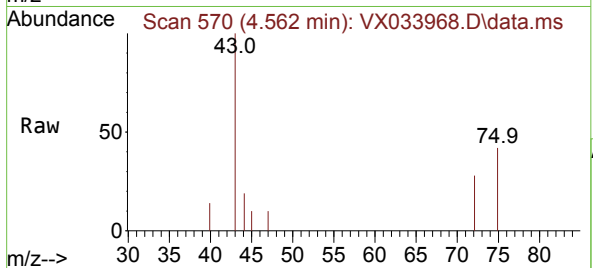
JC-2-012723

Tgt Ion: 43 Resp: 2200

Ion Ratio Lower Upper

43 100

72 28.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.705 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX033968.D

Acq: 31 Jan 2023 13:55

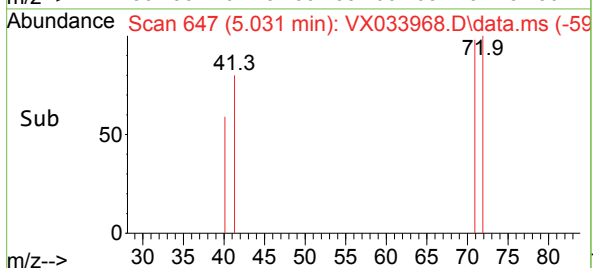
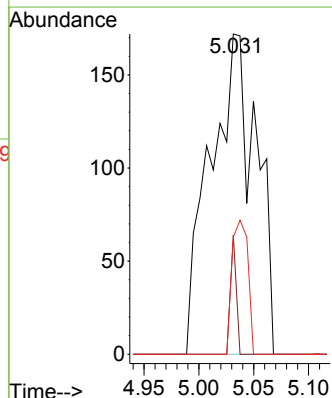
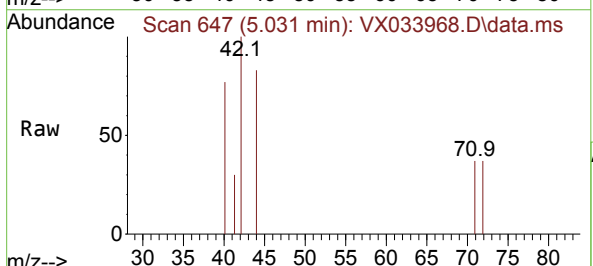
Tgt Ion: 42 Resp: 498

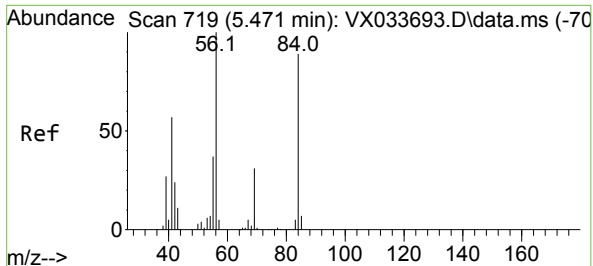
Ion Ratio Lower Upper

42 100

72 4.6 34.8 52.2#

71 14.5 32.2 48.2#

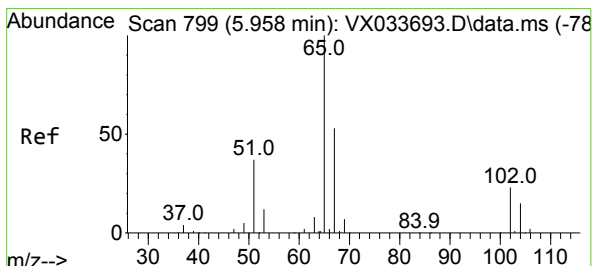
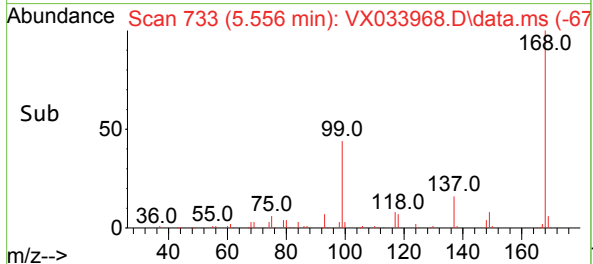
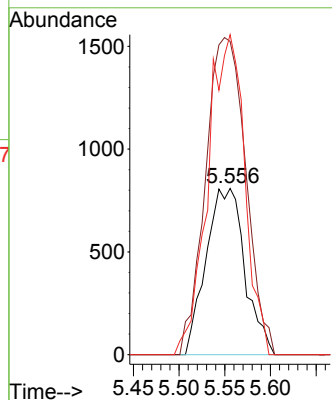
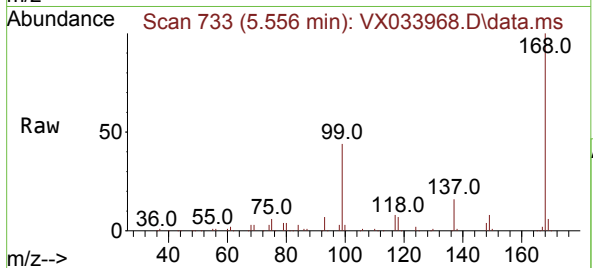




#31
Cyclohexane
Concen: 0.946 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

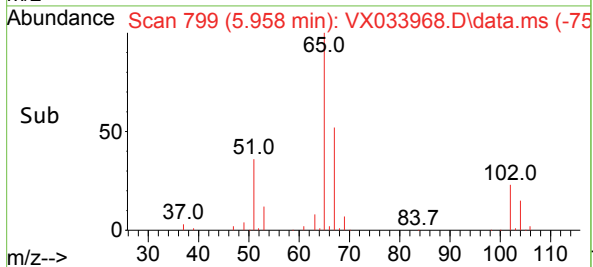
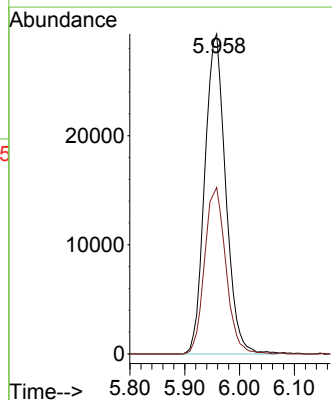
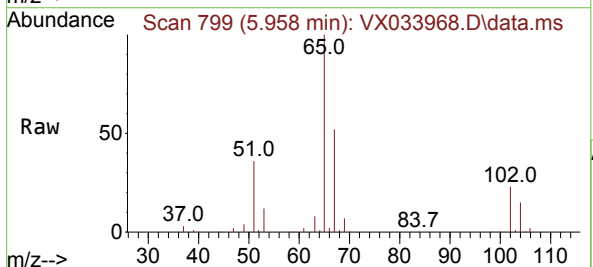
Instrument :
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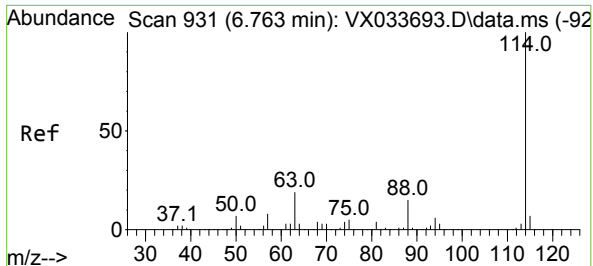
Tgt Ion: 56 Resp: 2386
Ion Ratio Lower Upper
56 100
69 188.4 24.6 37.0#
84 192.5 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 45.238 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 65 Resp: 77559
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8

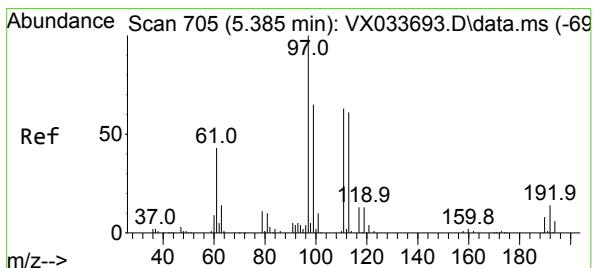
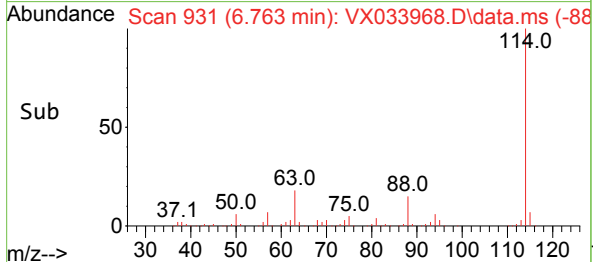
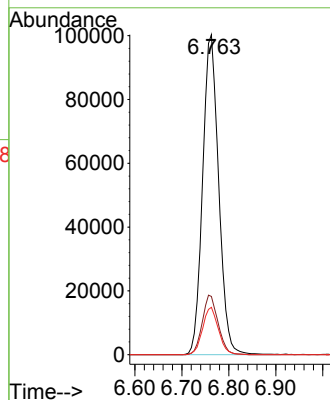
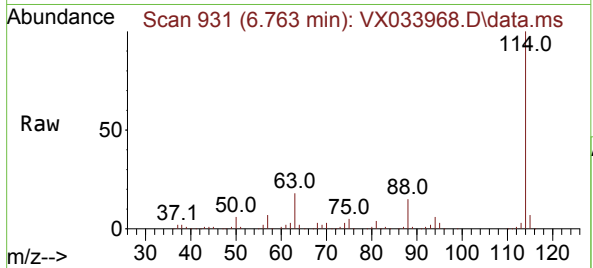




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

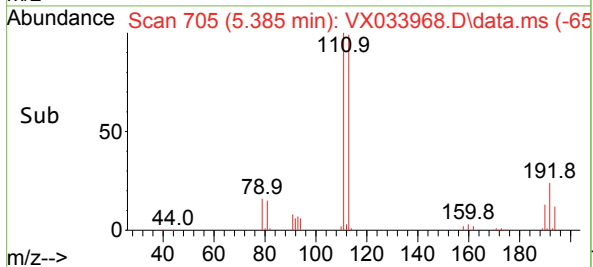
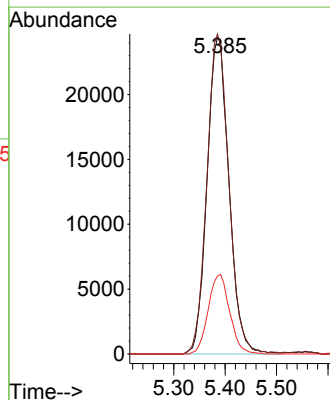
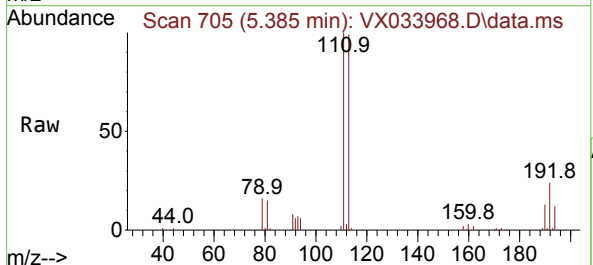
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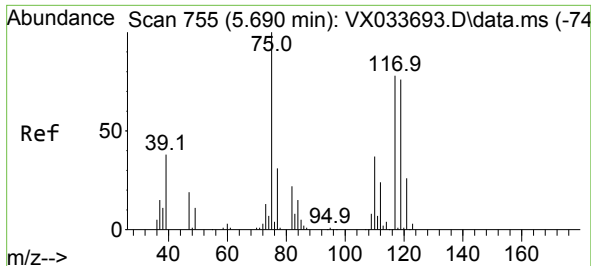
Tgt Ion:114 Resp: 237563
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.4
88 14.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.981 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion:113 Resp: 72253
Ion Ratio Lower Upper
113 100
111 101.4 83.0 124.6
192 24.5 19.0 28.4

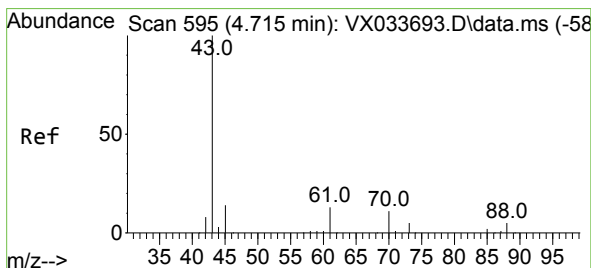
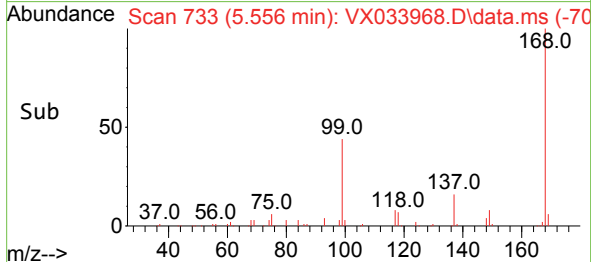
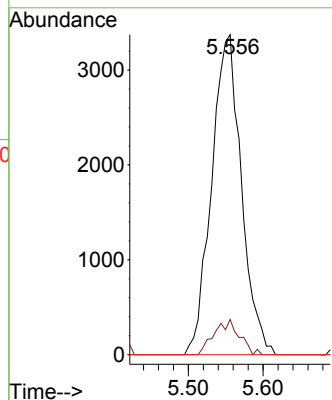
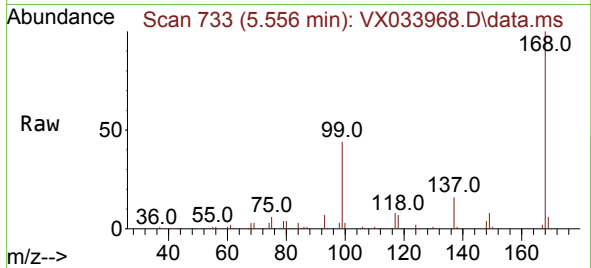




#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

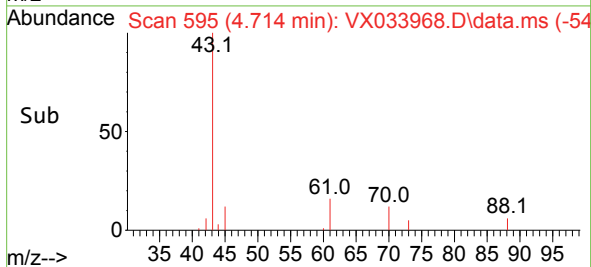
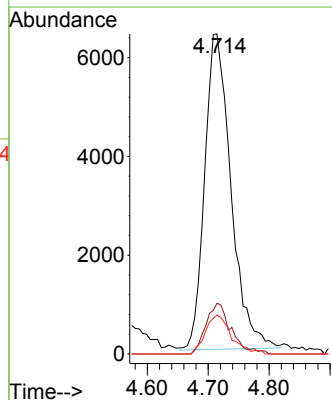
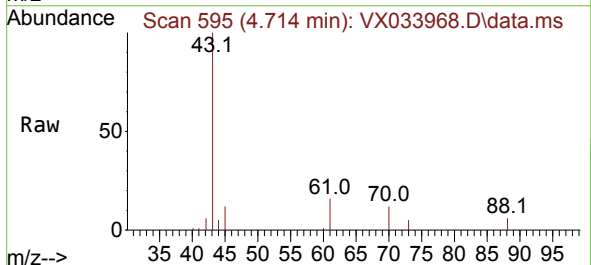
Instrument :
MSVOA_X
ClientSampleId :
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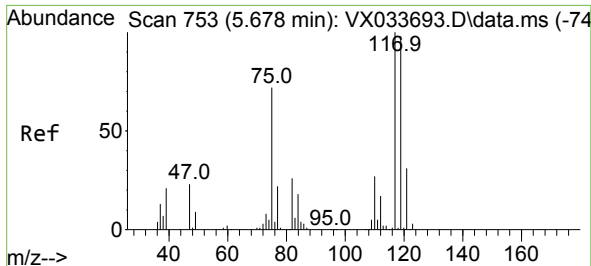
Tgt Ion: 75 Resp: 9349
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 6.878 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 43 Resp: 19192
Ion Ratio Lower Upper
43 100
61 15.3 11.1 16.7
70 12.1 8.5 12.7

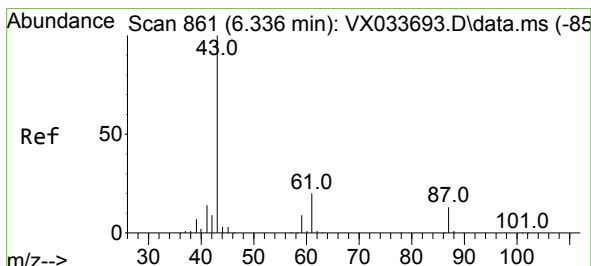
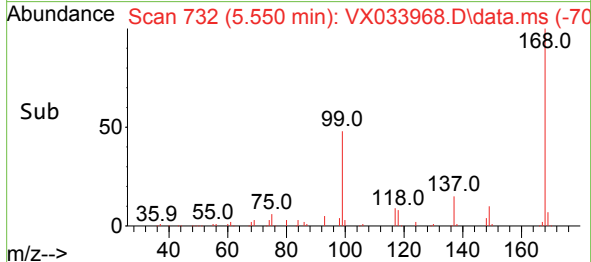
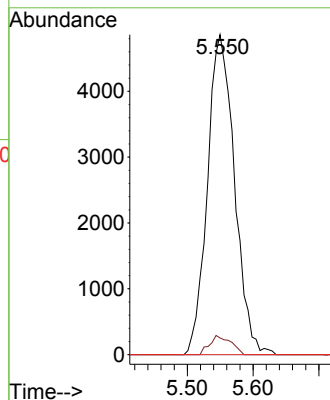
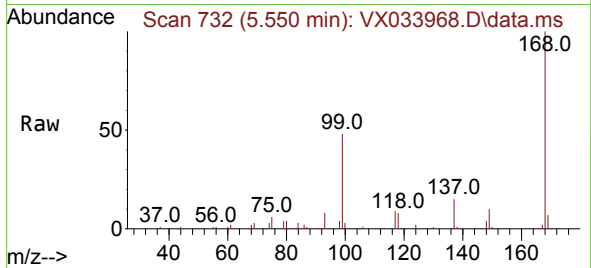




#38
Carbon Tetrachloride
Concen: 6.245 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

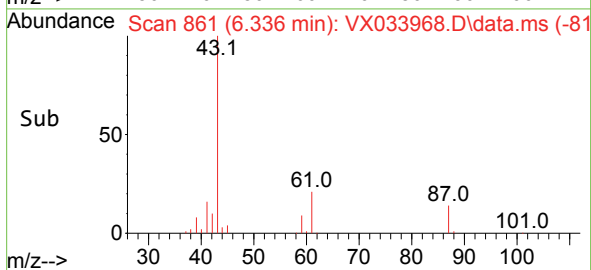
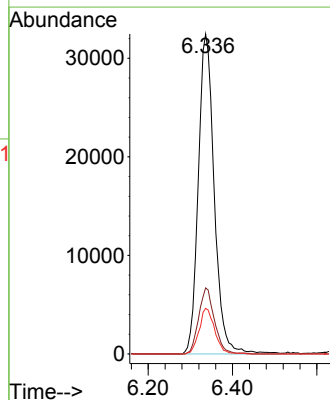
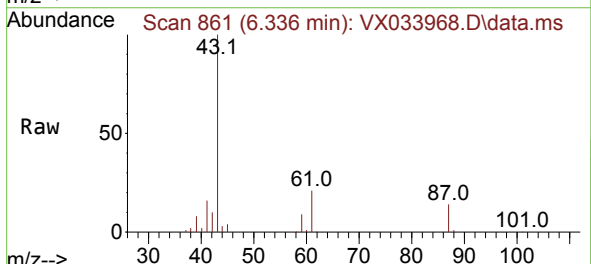
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

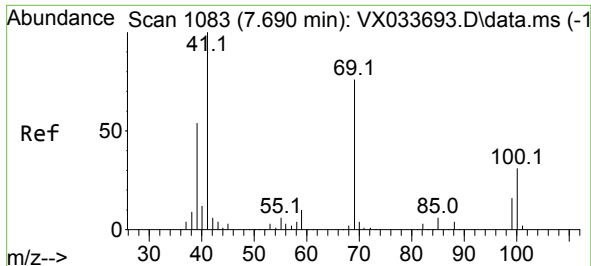
Tgt Ion:117 Resp: 13925
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 25.196 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 43 Resp: 85635
Ion Ratio Lower Upper
43 100
61 20.3 15.7 23.5
87 13.9 10.6 15.8

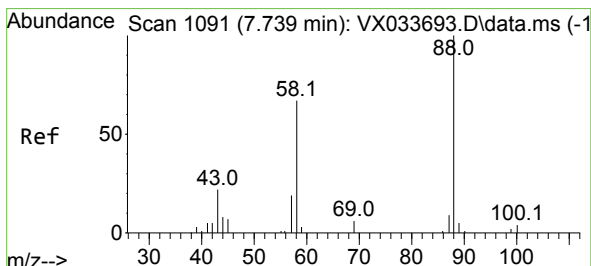
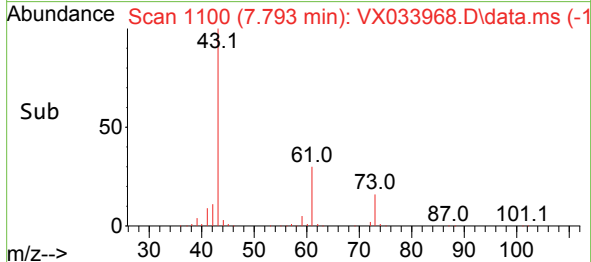
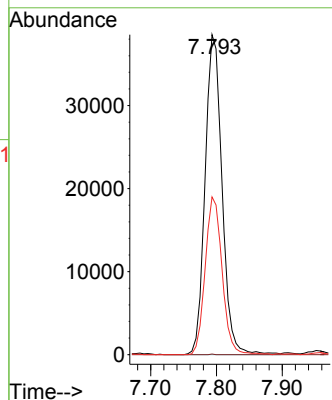
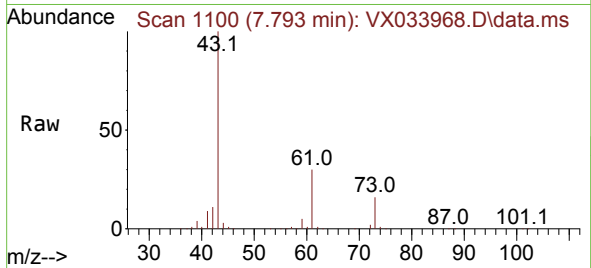




#48
Methyl methacrylate
Concen: 40.406 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

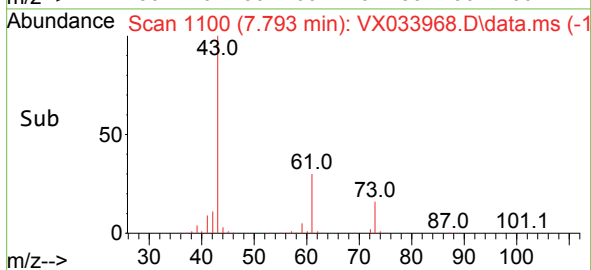
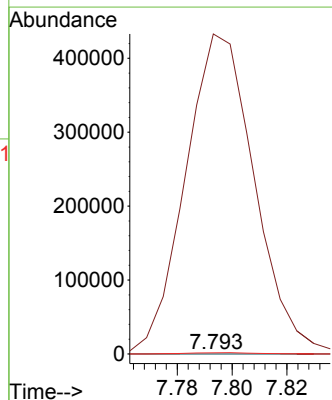
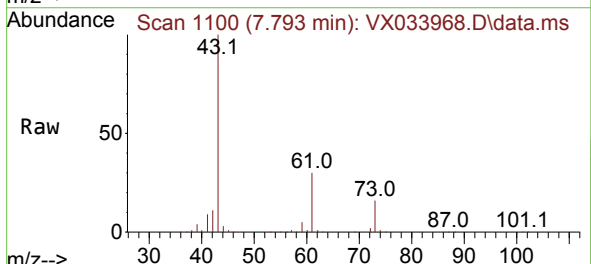
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

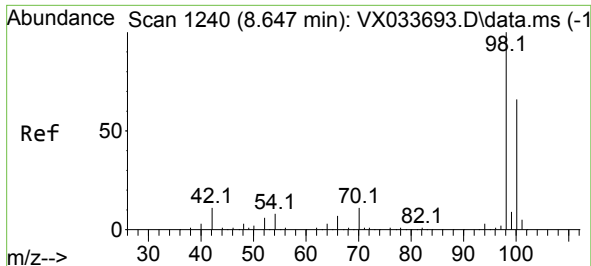
Tgt Ion: 41 Resp: 69179
Ion Ratio Lower Upper
41 100
69 0.0 63.1 94.7#
39 49.3 43.2 64.8



#49
1,4-Dioxane
Concen: 1.954 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.055 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 88 Resp: 74
Ion Ratio Lower Upper
88 100
43 1038673.0 0.0 0.0#
58 4160.8 56.5 84.7#

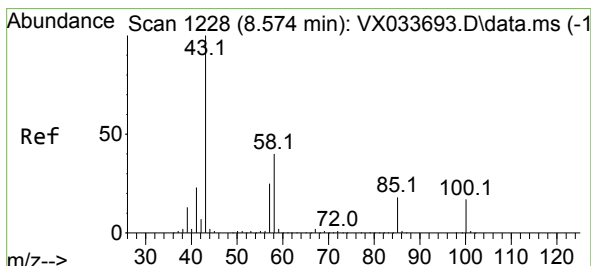
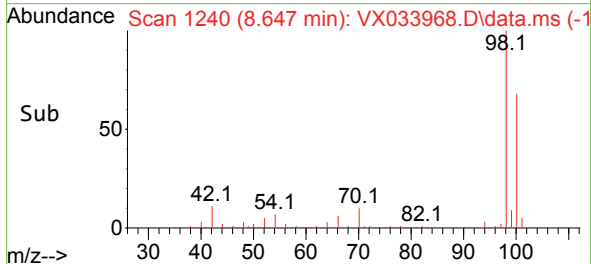
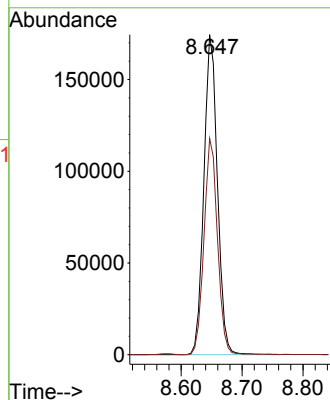
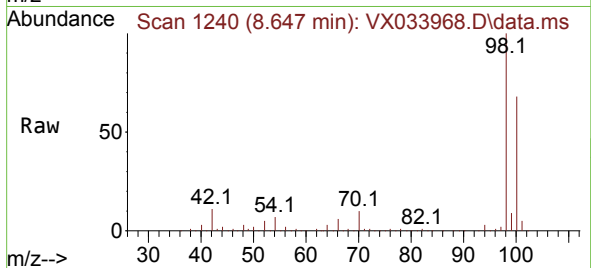




#50
Toluene-d8
Concen: 50.193 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

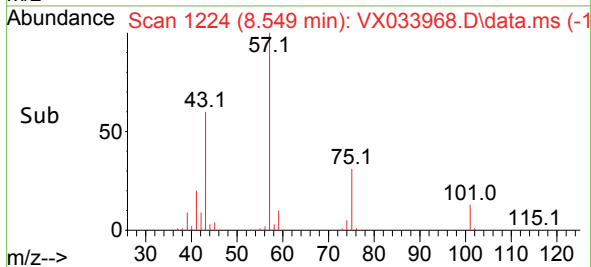
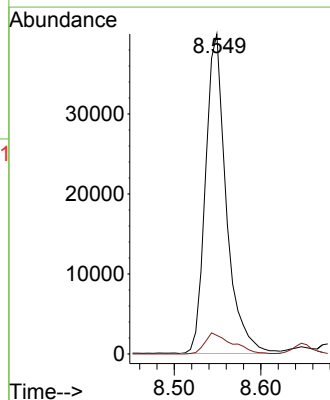
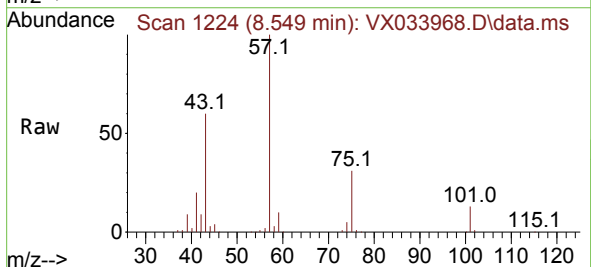
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

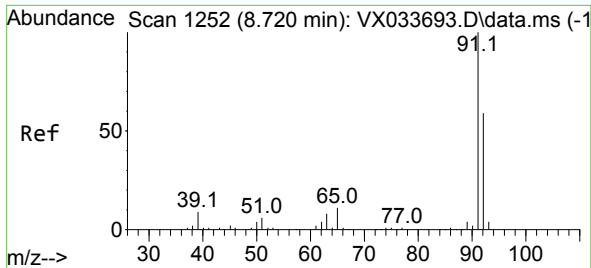
Tgt Ion: 98 Resp: 269774
Ion Ratio Lower Upper
98 100
100 67.5 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 31.894 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 43 Resp: 66573
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#

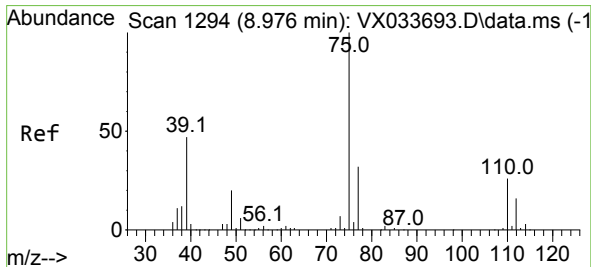
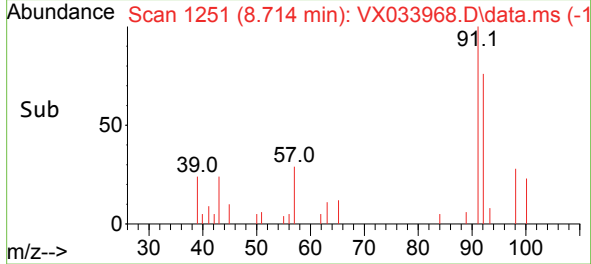
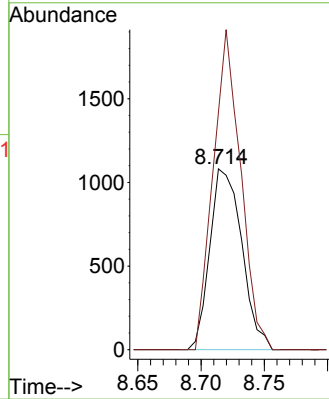
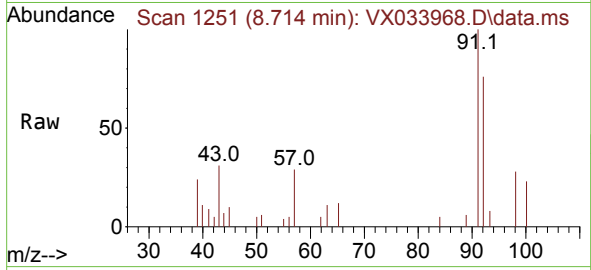




#52
Toluene
Concen: 0.469 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

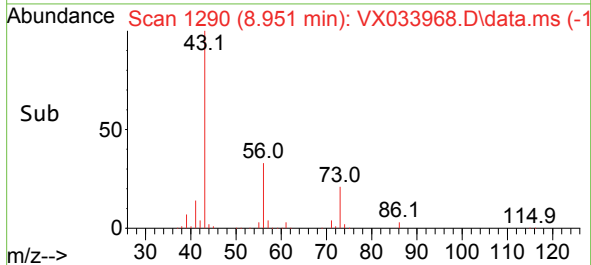
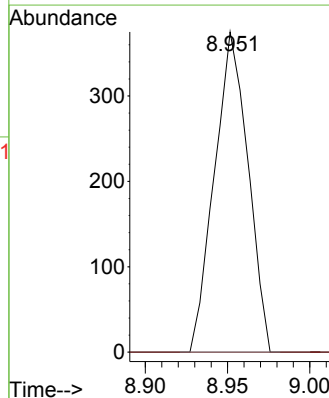
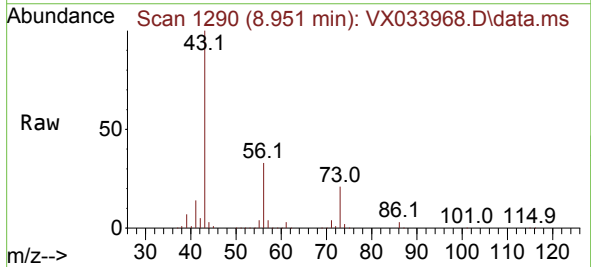
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

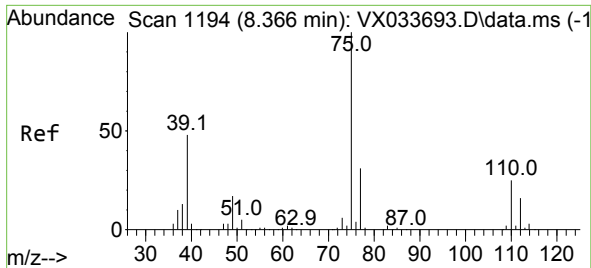
Tgt Ion: 92 Resp: 1902
Ion Ratio Lower Upper
92 100
91 152.4 135.5 203.3



#53
t-1,3-Dichloropropene
Concen: 0.251 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 75 Resp: 532
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

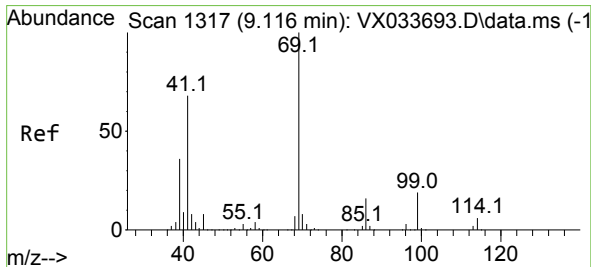
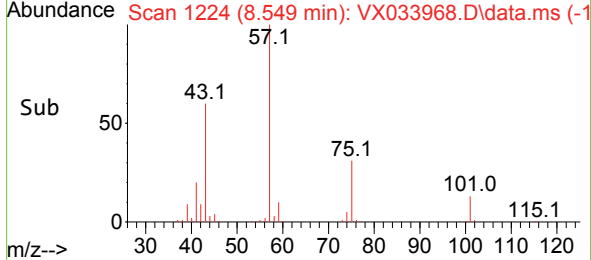
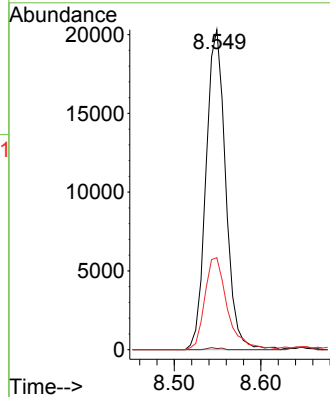
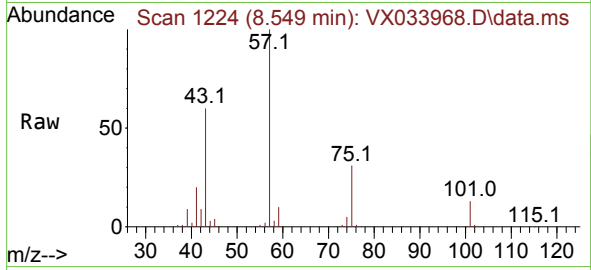




#54
cis-1,3-Dichloropropene
Concen: 13.477 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

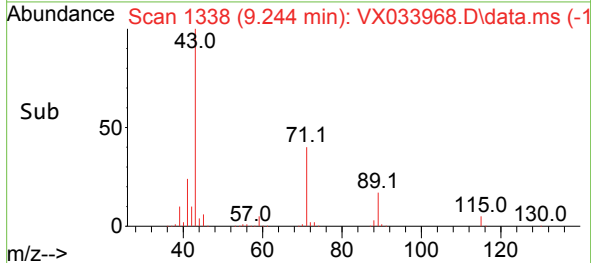
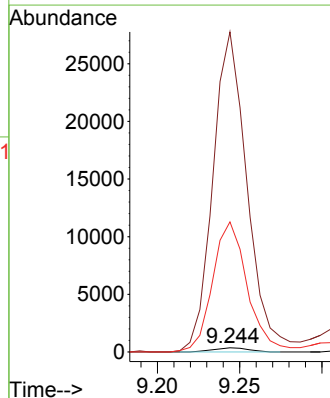
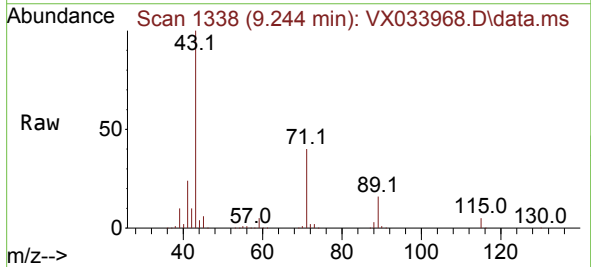
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

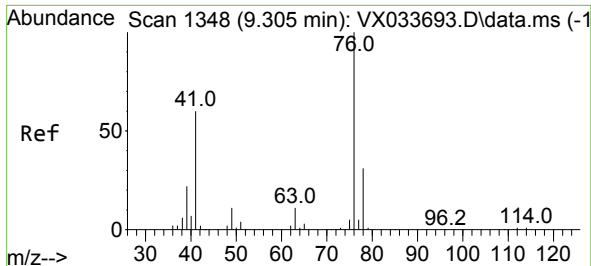
Tgt Ion: 75 Resp: 31957
Ion Ratio Lower Upper
75 100
77 0.4 25.0 37.6#
39 28.7 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.232 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 69 Resp: 523
Ion Ratio Lower Upper
69 100
41 7735.2 55.1 82.7#
39 3168.8 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.547 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033968.D

Acq: 31 Jan 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

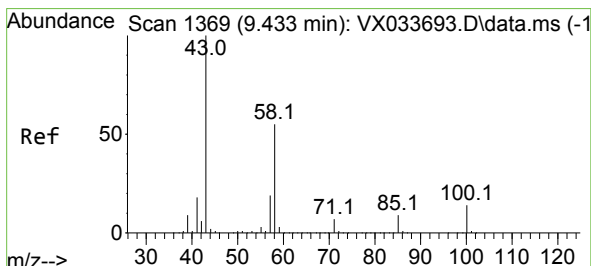
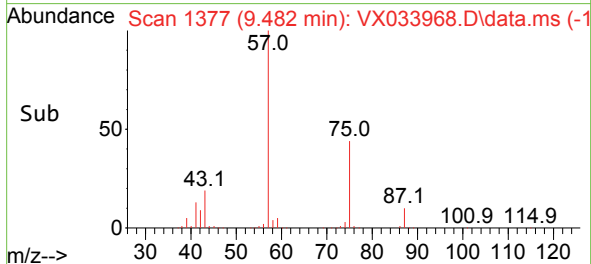
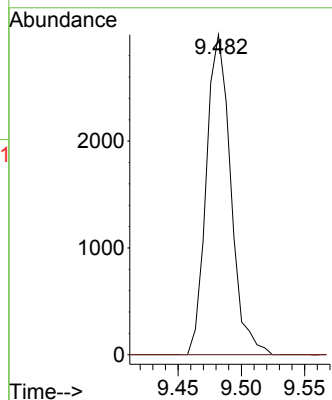
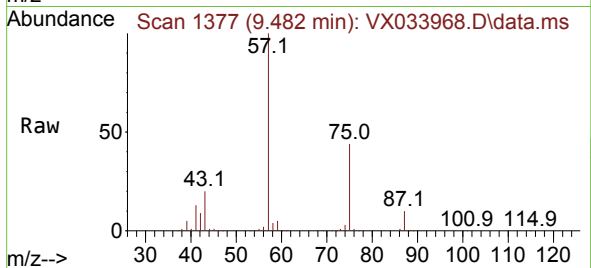
JC-2-012723

Tgt Ion: 76 Resp: 4024

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 36.798 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033968.D

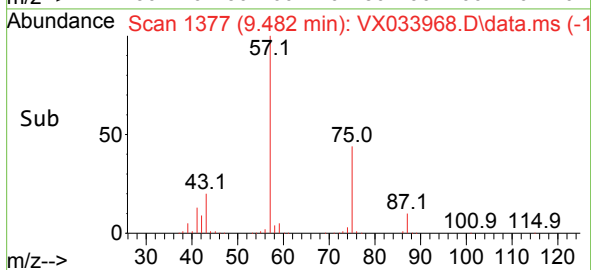
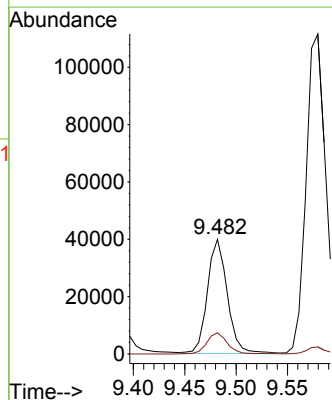
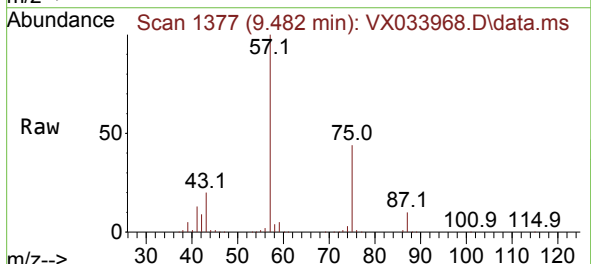
Acq: 31 Jan 2023 13:55

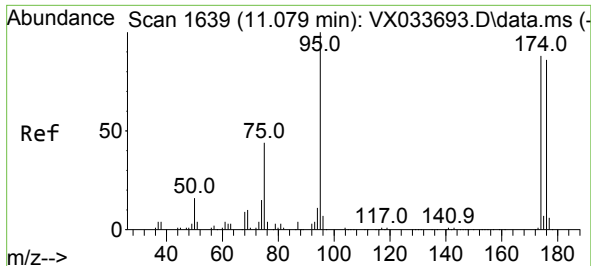
Tgt Ion: 43 Resp: 53461

Ion Ratio Lower Upper

43 100

58 19.3 27.4 82.0#

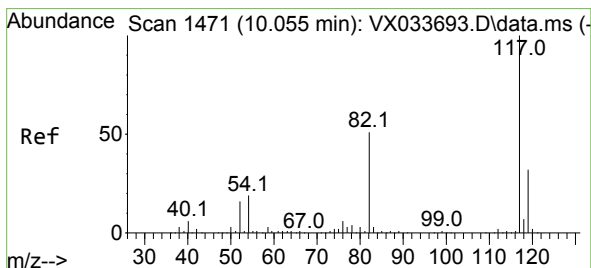
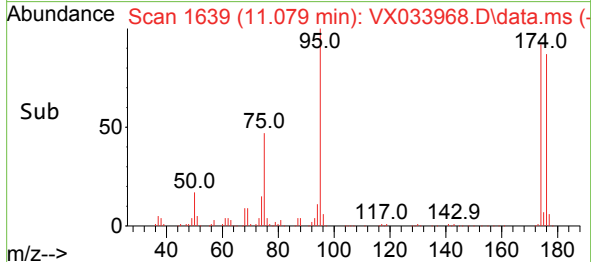
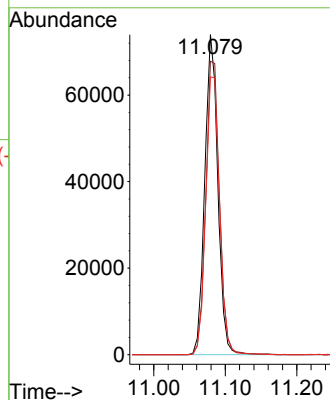
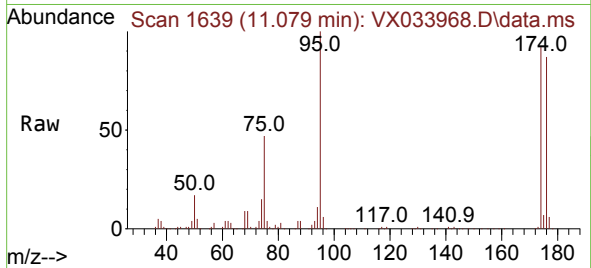




#62
4-Bromofluorobenzene
Concen: 46.936 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

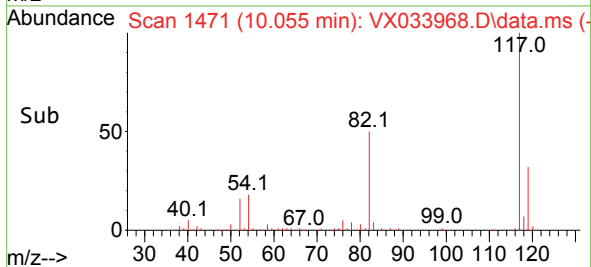
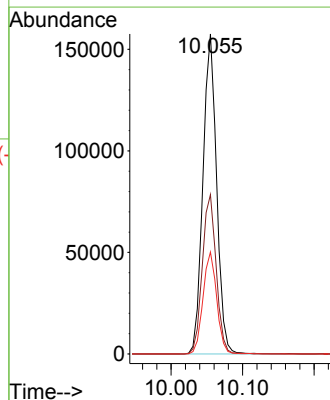
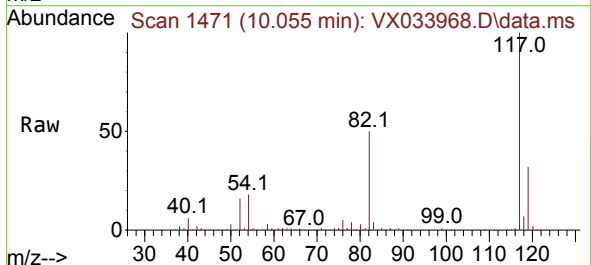
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

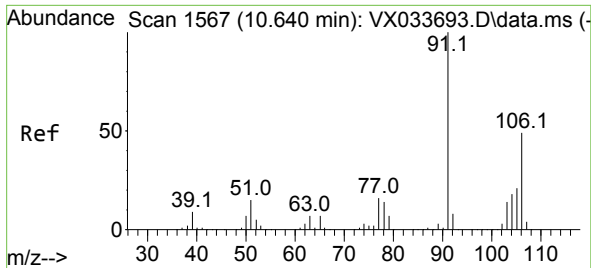
Tgt Ion: 95 Resp: 93663
Ion Ratio Lower Upper
95 100
174 96.6 0.0 184.4
176 92.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 117 Resp: 209354
Ion Ratio Lower Upper
117 100
82 49.8 40.6 60.8
119 31.9 25.6 38.4

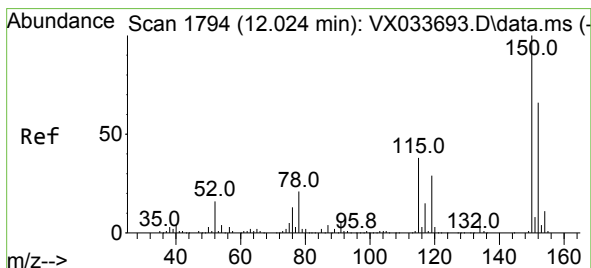
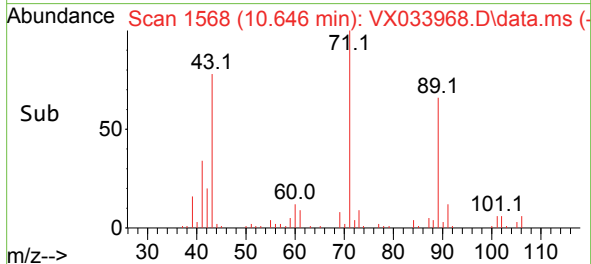
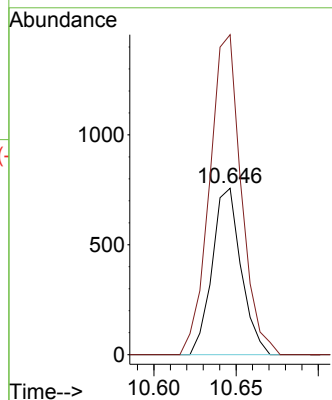
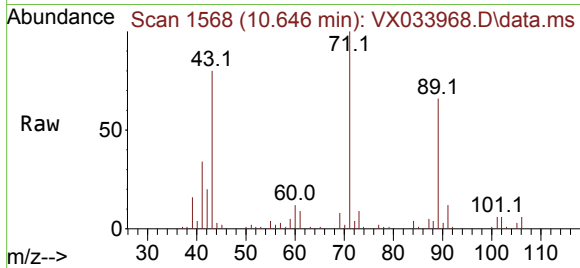




#69
o-Xylene
Concen: 0.321 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

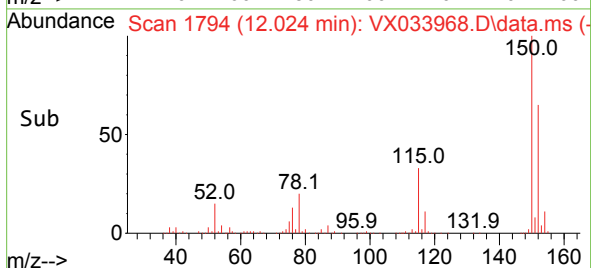
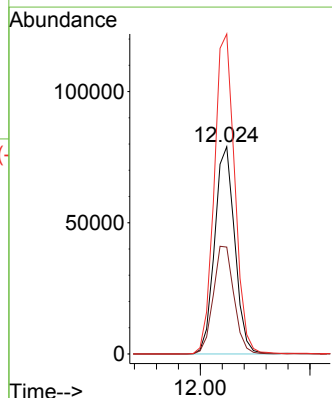
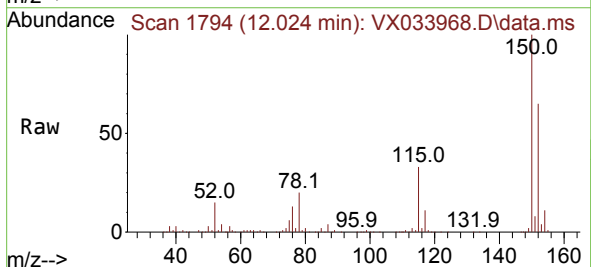
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

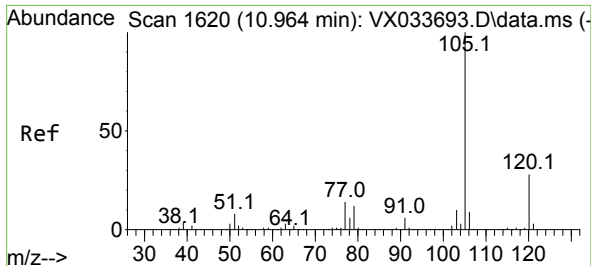
Tgt Ion:106 Resp: 926
Ion Ratio Lower Upper
106 100
91 210.7 103.1 309.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion:152 Resp: 100771
Ion Ratio Lower Upper
152 100
115 53.4 38.7 116.1
150 157.6 0.0 348.2

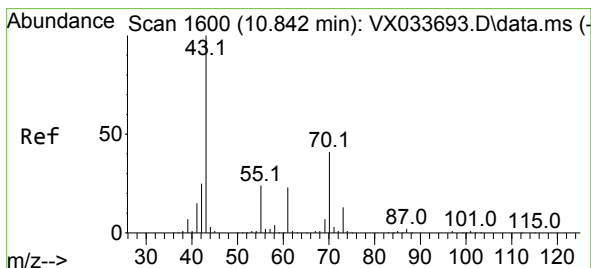
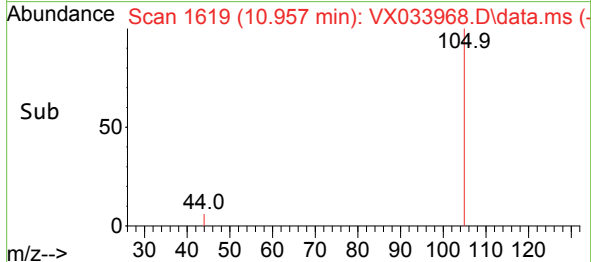
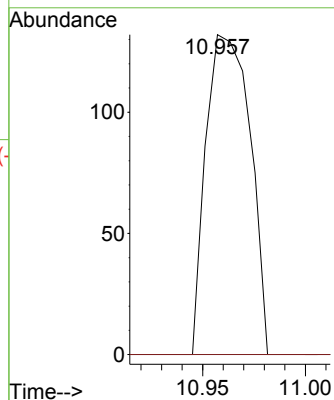
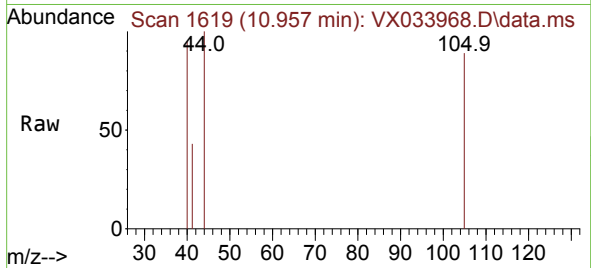




#73
Isopropylbenzene
Concen: Below Cal
RT: 10.957 min Scan# 1619
Delta R.T. -0.007 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

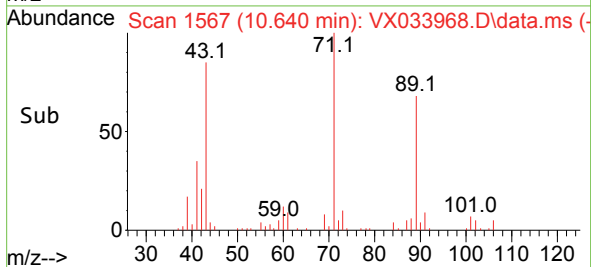
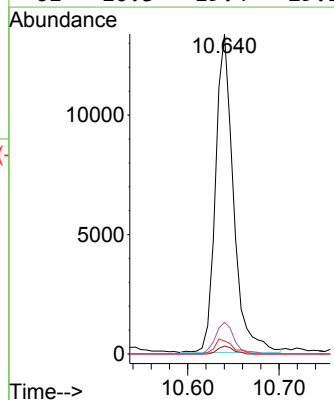
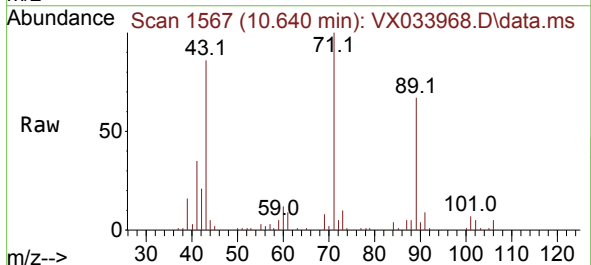
Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

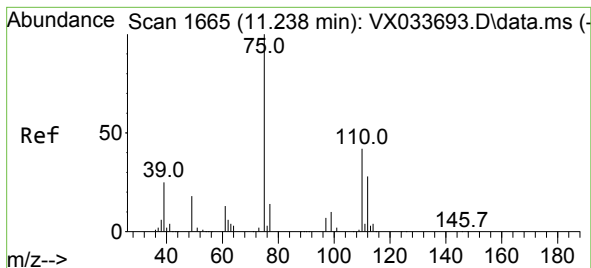
Tgt Ion:105 Resp: 197
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#



#74
N-ethyl acetate
Concen: 6.869 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Tgt Ion: 43 Resp: 18176
Ion Ratio Lower Upper
43 100
70 2.2 34.8 52.2#
55 4.6 19.4 29.0#
61 10.3 19.4 29.2#





#76

1,2,3-Trichloropropane

Concen: 23.234 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX033968.D

Acq: 31 Jan 2023 13:55

Instrument :

MSVOA_X

ClientSampleId :

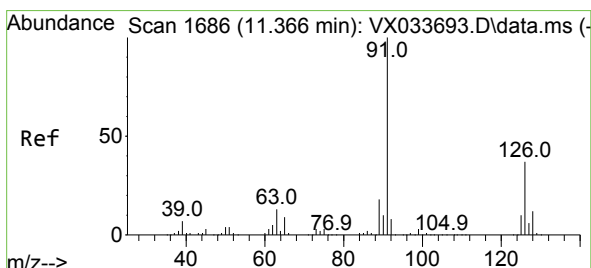
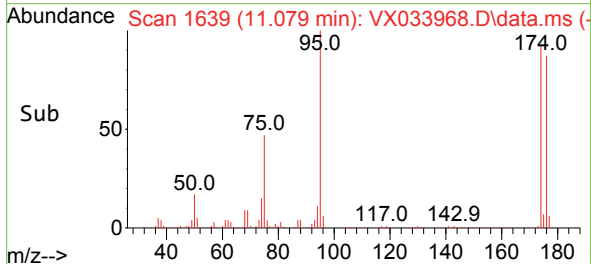
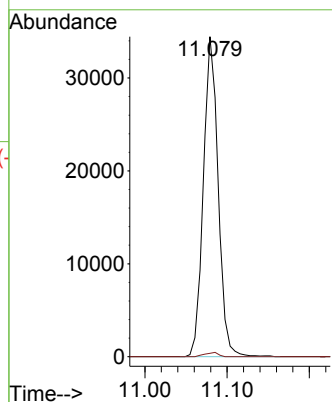
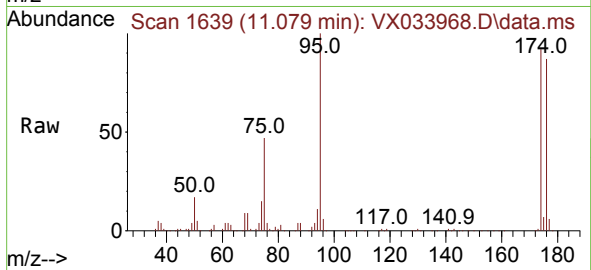
JC-2-012723

Tgt Ion: 75 Resp: 43019

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.360 min Scan# 1685

Delta R.T. -0.006 min

Lab File: VX033968.D

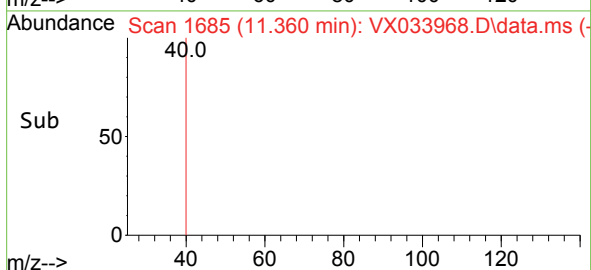
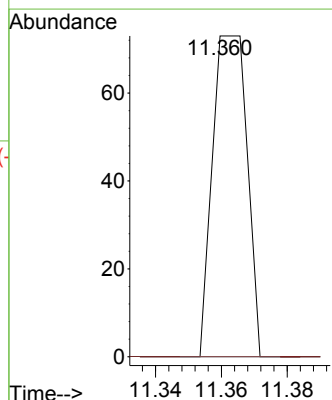
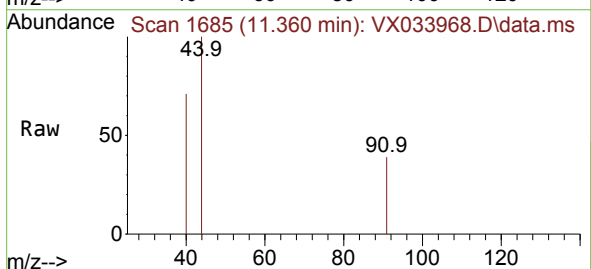
Acq: 31 Jan 2023 13:55

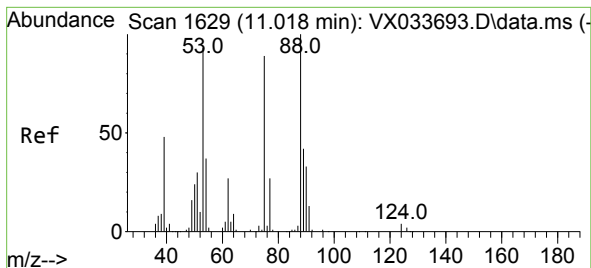
Tgt Ion: 91 Resp: 53

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#

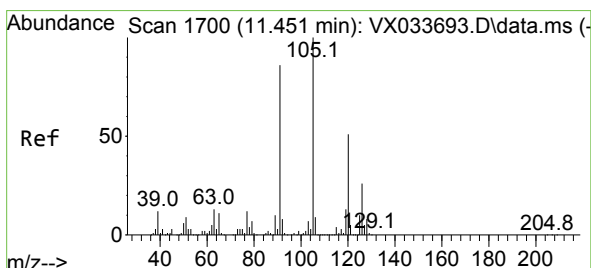
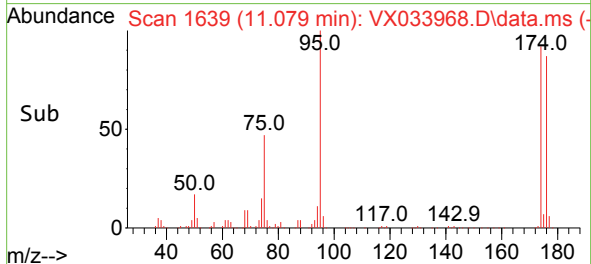
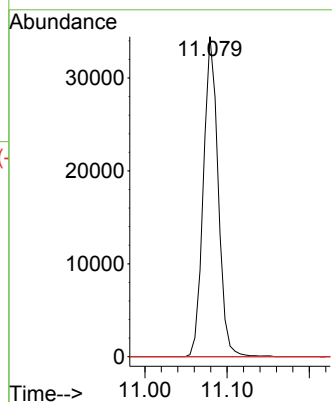
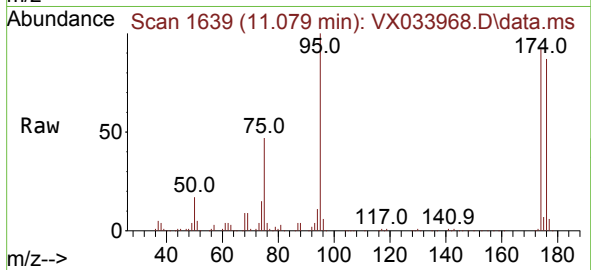




#81
trans-1,4-Dichloro-2-butene
Concen: 72.210 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

Instrument :
MSVOA_X
ClientSampleId :
JC-2-012723

Tgt Ion: 75 Resp: 43019
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX033968.D
Acq: 31 Jan 2023 13:55

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

