

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034606.D
 Acq On : 18 Mar 2023 02:55
 Operator : JC/MD
 Sample : 01932-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6A-031423

Quant Time: Mar 20 00:14:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

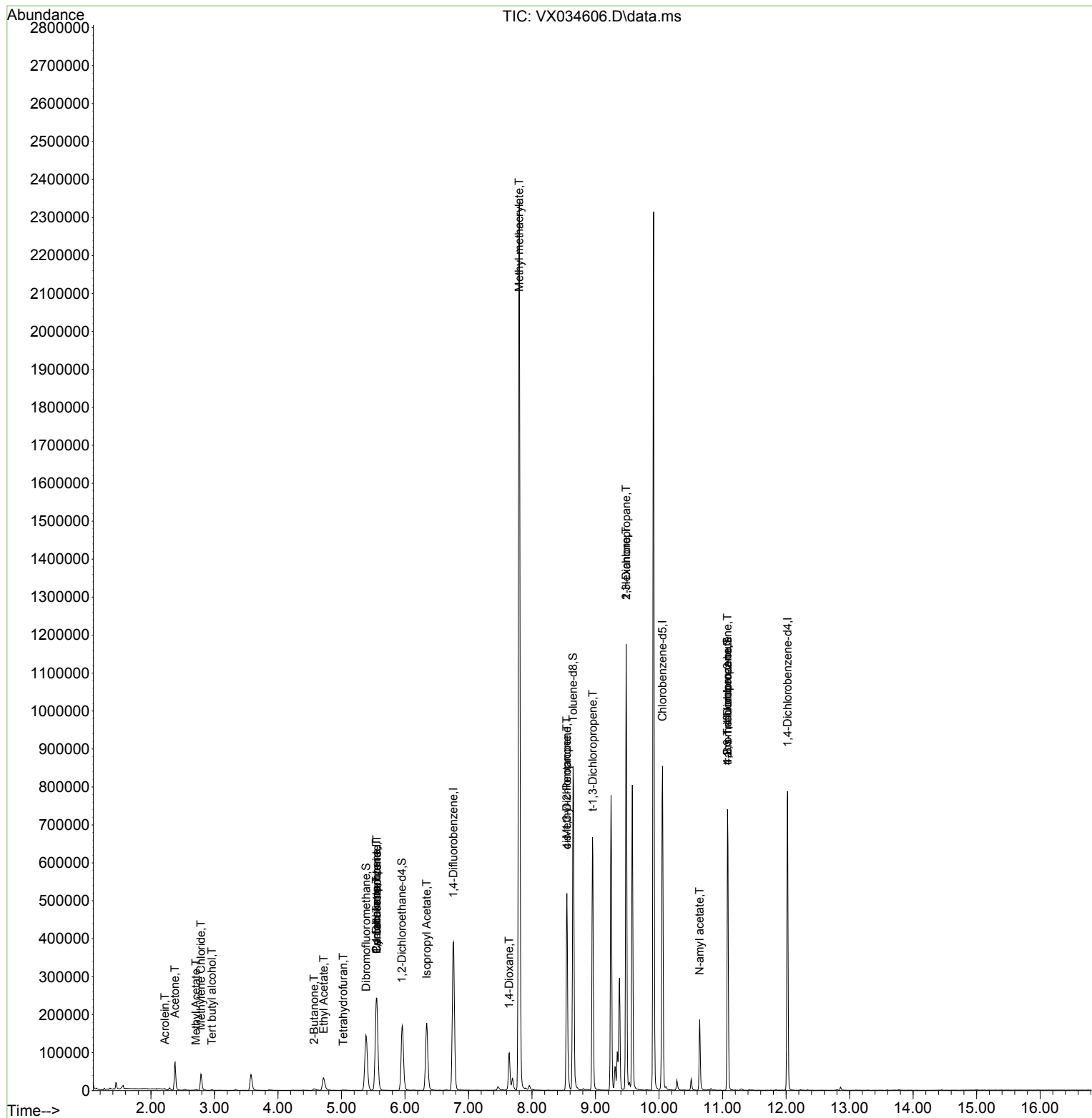
Internal Standards						
1) Pentafluorobenzene	5.556	168	231844	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	396986	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	367811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	161894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162396	48.148	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.300%
35) Dibromofluoromethane	5.385	113	124508	47.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.000%
50) Toluene-d8	8.647	98	490756	50.155	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.320%
62) 4-Bromofluorobenzene	11.079	95	189696	47.997	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	284	Below Cal		93
11) Tert butyl alcohol	2.959	59	1447	2.060	ug/l #	91
13) Acrolein	2.221	56	279	0.502	ug/l #	43
16) Acetone	2.380	43	77572	48.825	ug/l	96
18) Methyl Acetate	2.709	43	3252	0.626	ug/l	92
20) Methylene Chloride	2.788	84	18527	6.008	ug/l	96
25) 2-Butanone	4.568	43	8594	3.780	ug/l	99
29) Tetrahydrofuran	5.026	42	772	0.550	ug/l #	78
31) Cyclohexane	5.550	56	5865	1.240	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	19969	4.960	ug/l #	49
37) Ethyl Acetate	4.721	43	59164	13.452	ug/l	98
38) Carbon Tetrachloride	5.556	117	24492	6.115	ug/l #	15
43) Isopropyl Acetate	6.342	43	243950	32.742	ug/l	99
48) Methyl methacrylate	7.799	41	213007	59.443	ug/l #	48
49) 1,4-Dioxane	7.641	88	40	0.531	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	187239	43.320	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	1339	0.294	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	79064	16.032	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	10056	1.955	ug/l #	43
59) 2-Hexanone	9.482	43	139226	41.670	ug/l #	53
74) N-amyl acetate	10.640	43	49795	8.309	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	100404	27.010	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	100404	73.071	ug/l #	8

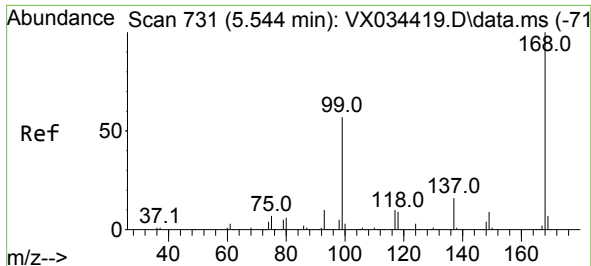
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 00:14:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
Response via : Initial Calibration

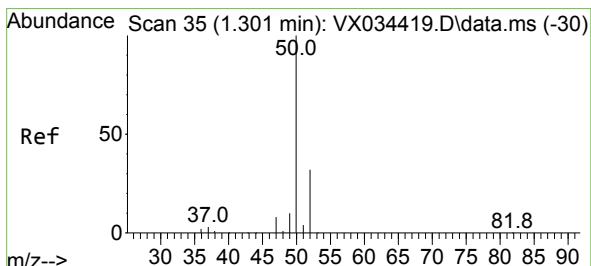
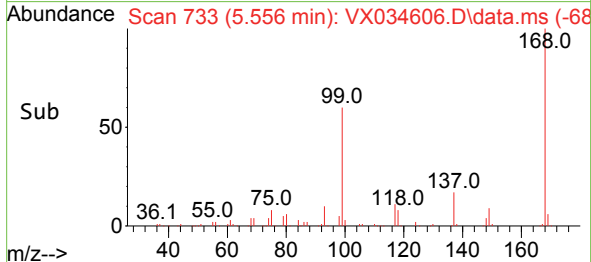
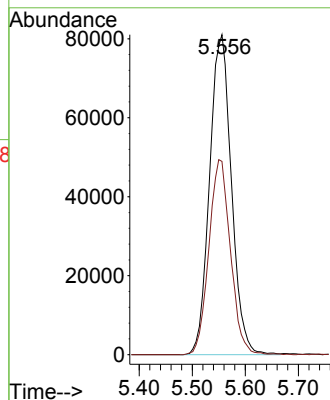
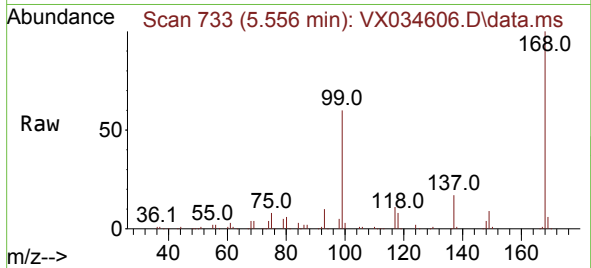




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

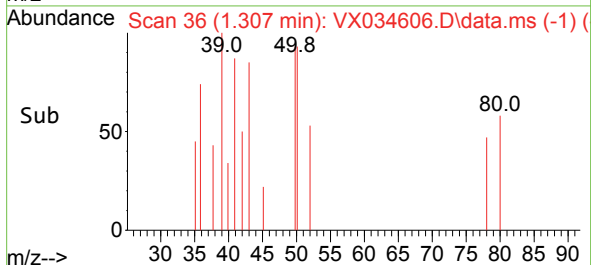
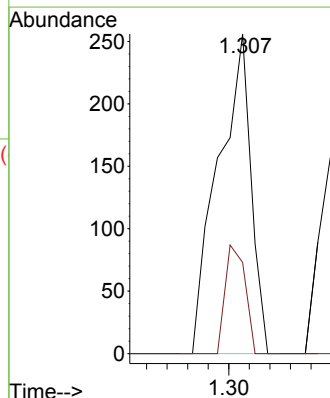
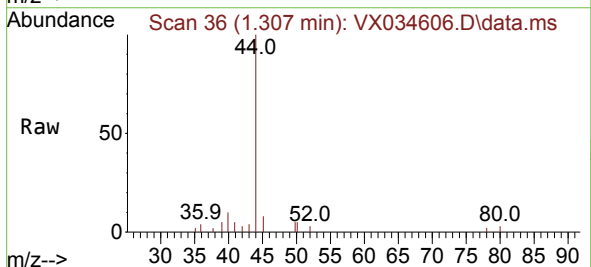
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

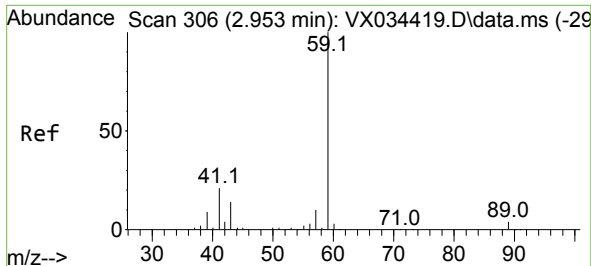
Tgt Ion:168 Resp: 231844
Ion Ratio Lower Upper
168 100
99 60.4 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 50 Resp: 284
Ion Ratio Lower Upper
50 100
52 28.5 25.9 38.9

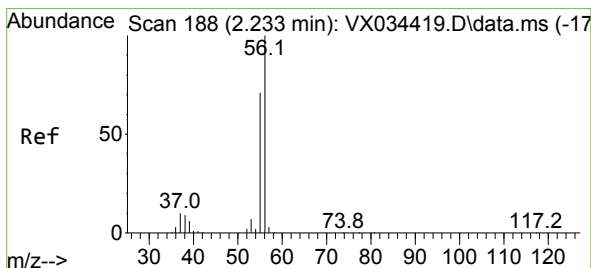
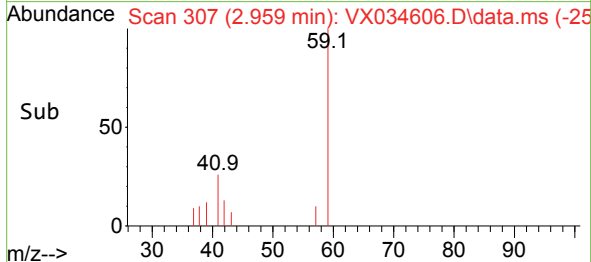
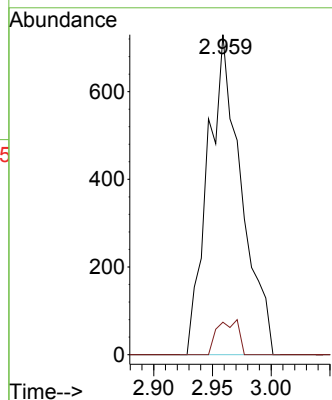
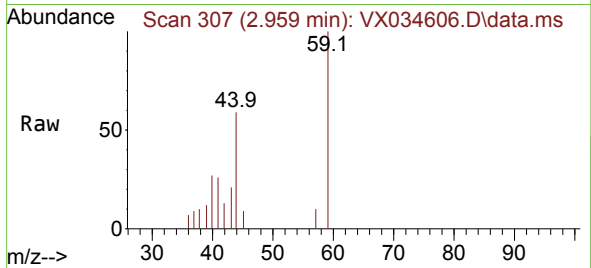




#11
Tert butyl alcohol
Concen: 2.060 ug/l
RT: 2.959 min Scan# 306
Delta R.T. 0.006 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

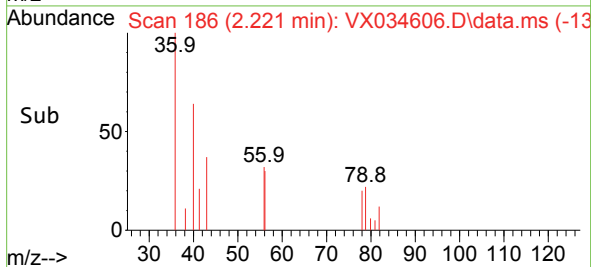
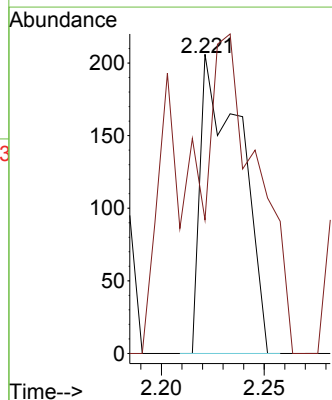
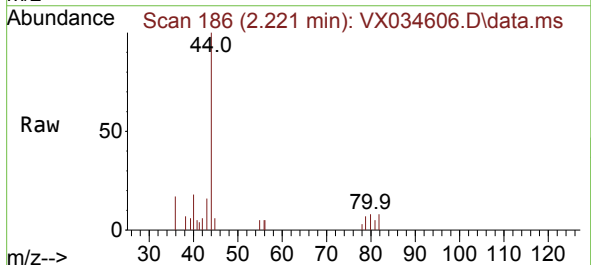
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

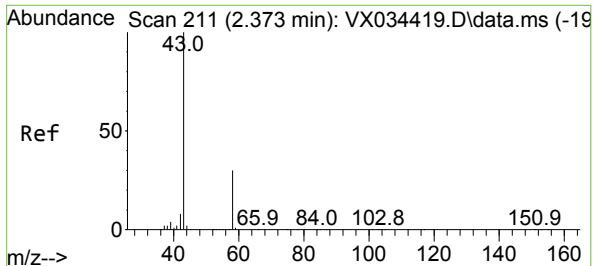
Tgt Ion: 59 Resp: 1447
Ion Ratio Lower Upper
59 100
57 6.9 8.1 12.1#



#13
Acrolein
Concen: 0.502 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.012 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
55 117.9 56.6 85.0#

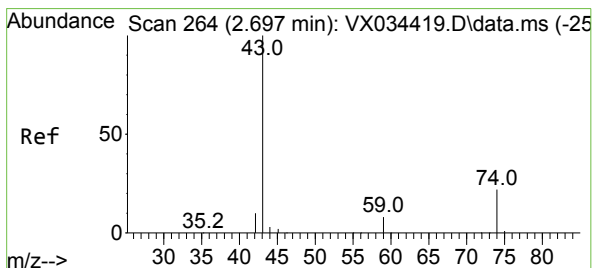
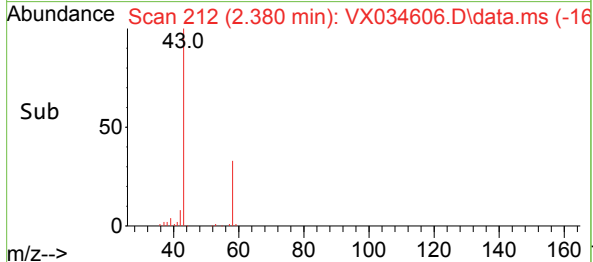
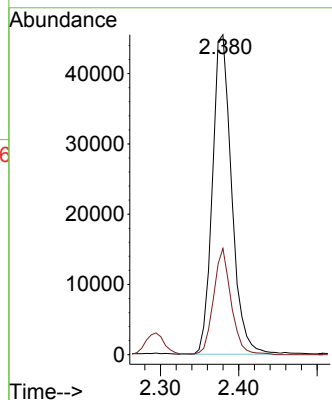
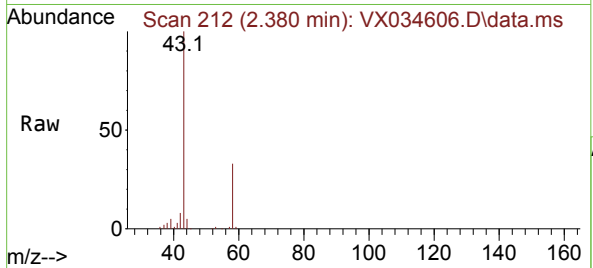




#16
Acetone
Concen: 48.825 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

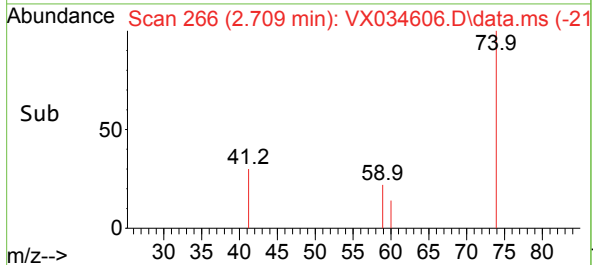
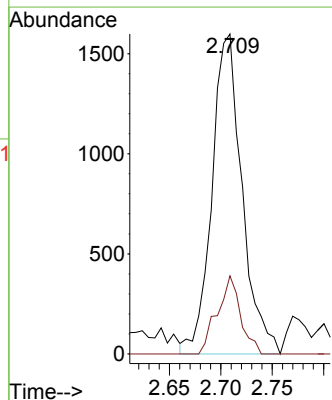
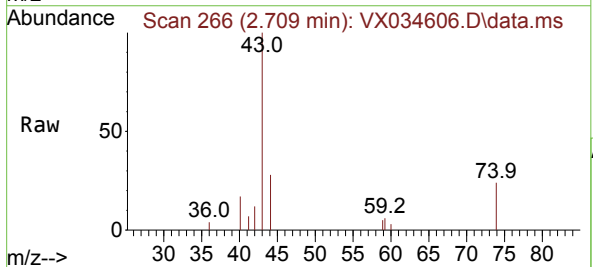
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

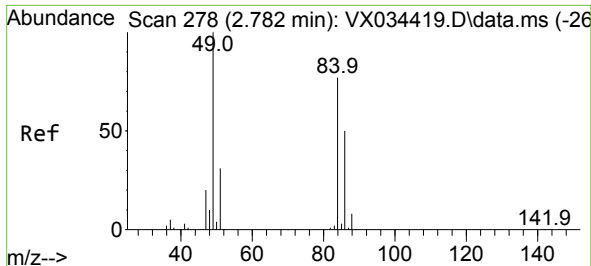
Tgt Ion: 43 Resp: 77572
Ion Ratio Lower Upper
43 100
58 33.3 24.7 37.1



#18
Methyl Acetate
Concen: 0.626 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
74 18.8 18.3 27.5

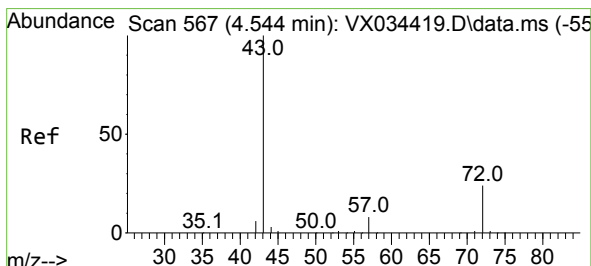
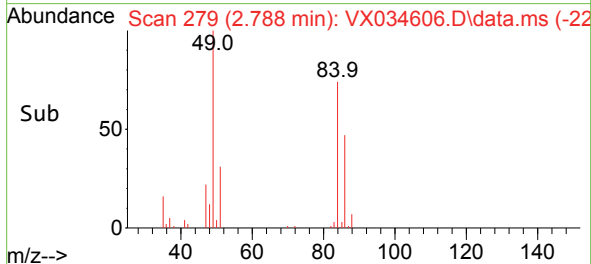
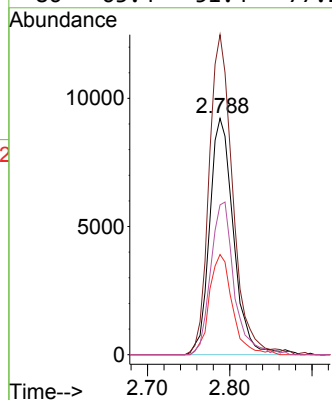
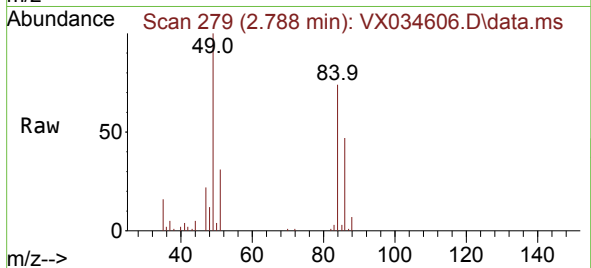




#20
Methylene Chloride
Concen: 6.008 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

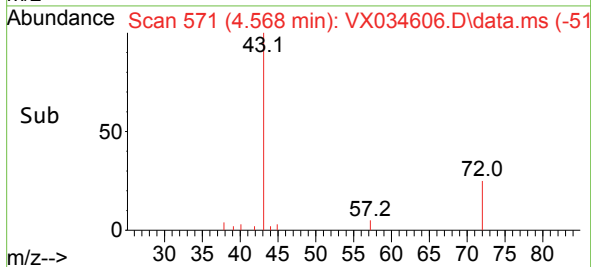
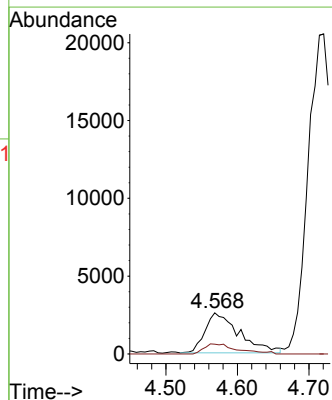
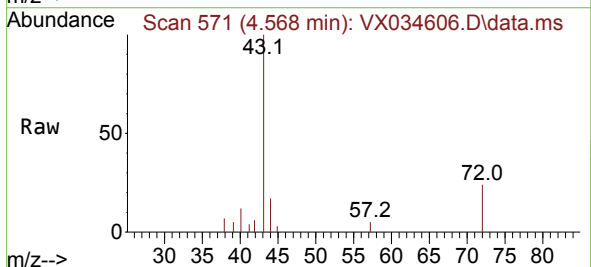
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

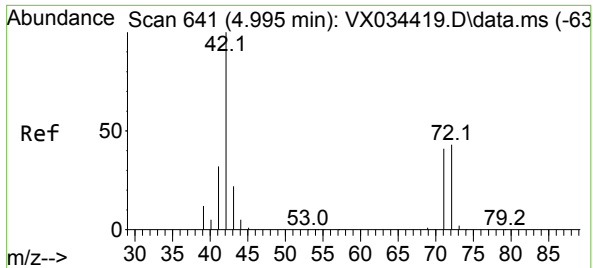
Tgt Ion:	84	Resp:	18527
Ion	Ratio	Lower	Upper
84	100		
49	135.4	103.8	155.8
51	42.4	31.8	47.8
86	63.4	51.4	77.2



#25
2-Butanone
Concen: 3.780 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.025 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion:	43	Resp:	8594
Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.3	28.9





#29

Tetrahydrofuran

Concen: 0.550 ug/l

RT: 5.026 min Scan# 641

Delta R.T. 0.031 min

Lab File: VX034606.D

Acq: 18 Mar 2023 02:55

Instrument :

MSVOA_X

ClientSampleId :

JPP-6A-031423

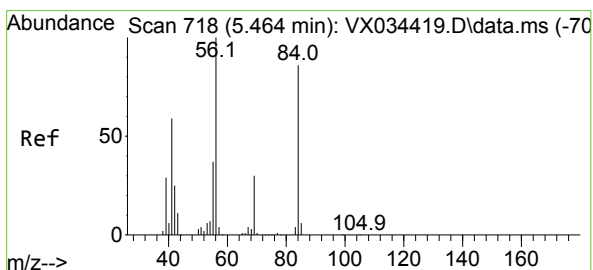
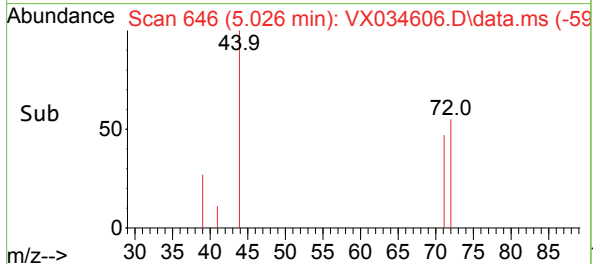
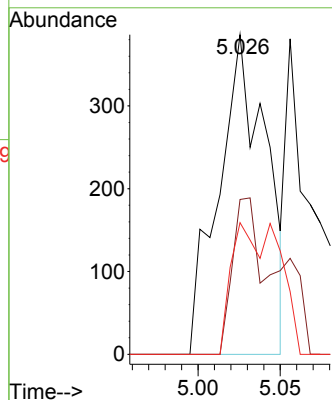
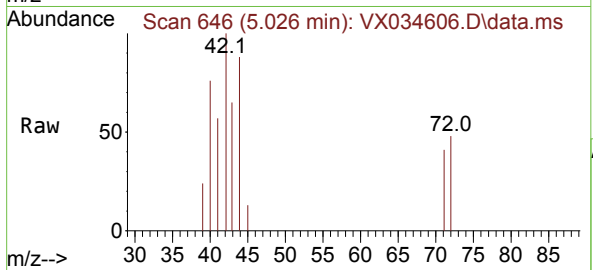
Tgt Ion: 42 Resp: 772

Ion Ratio Lower Upper

42 100

72 30.6 34.5 51.7#

71 24.5 32.1 48.1#



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX034606.D

Acq: 18 Mar 2023 02:55

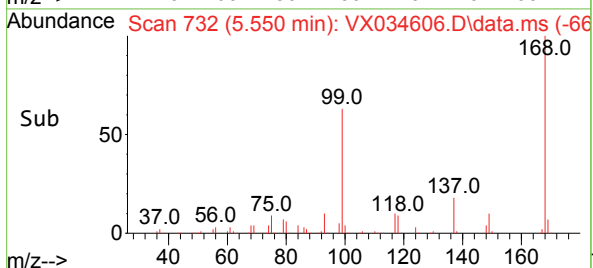
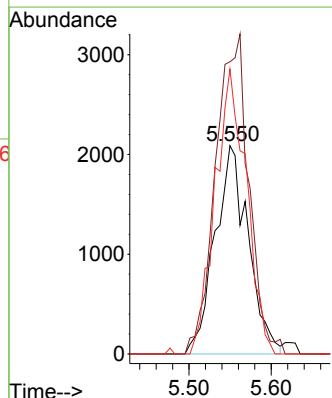
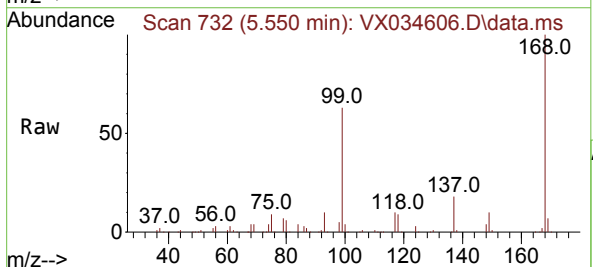
Tgt Ion: 56 Resp: 5865

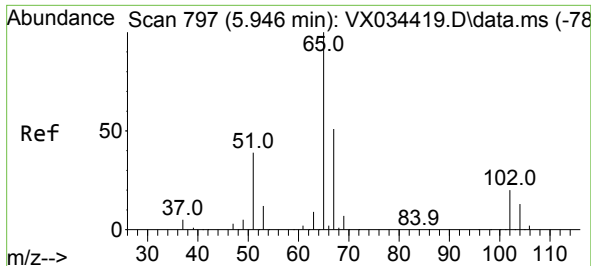
Ion Ratio Lower Upper

56 100

69 140.2 23.7 35.5#

84 136.7 68.5 102.7#

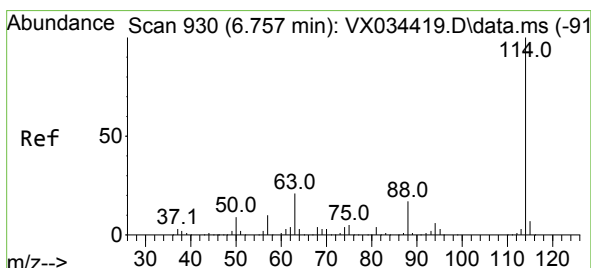
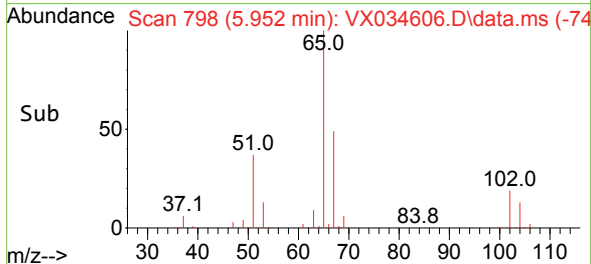
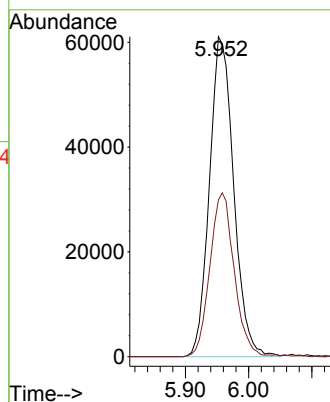
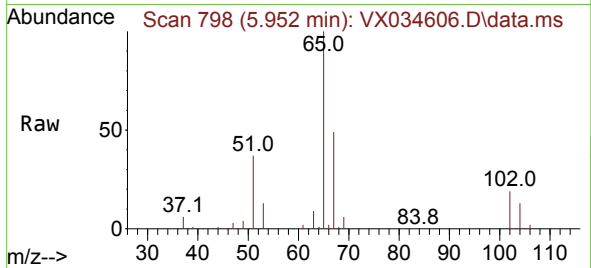




#33
 1,2-Dichloroethane-d4
 Concen: 48.148 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX034606.D
 Acq: 18 Mar 2023 02:55

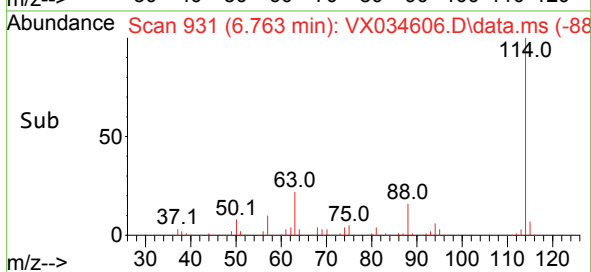
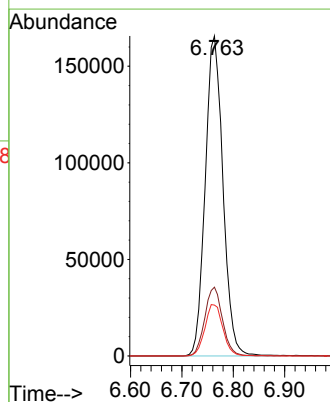
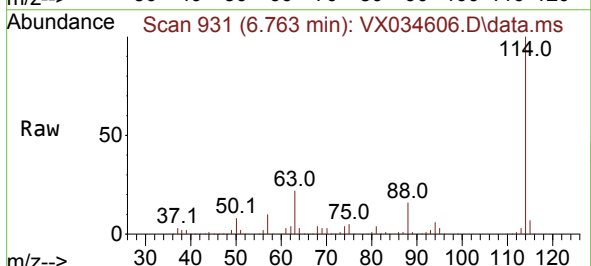
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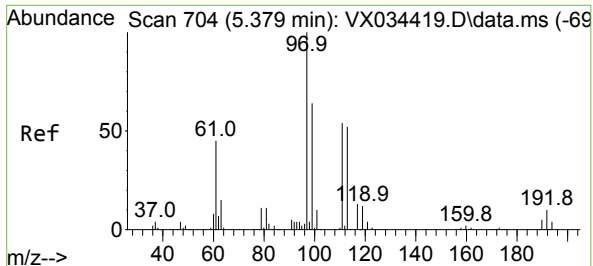
Tgt Ion: 65 Resp: 162396
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034606.D
 Acq: 18 Mar 2023 02:55

Tgt Ion: 114 Resp: 396986
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.2
 88 15.9 0.0 33.2

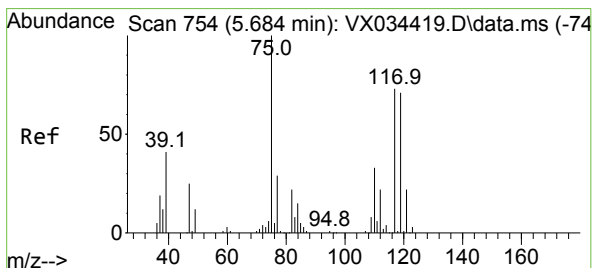
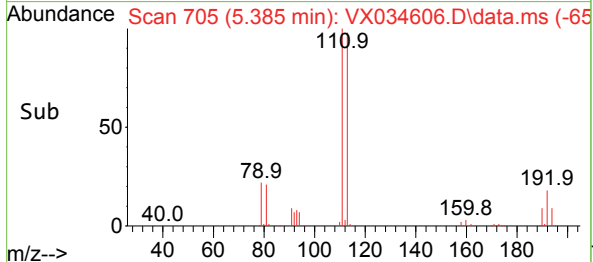
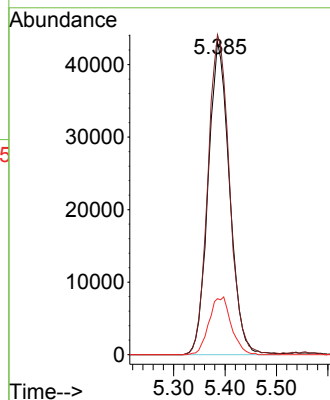
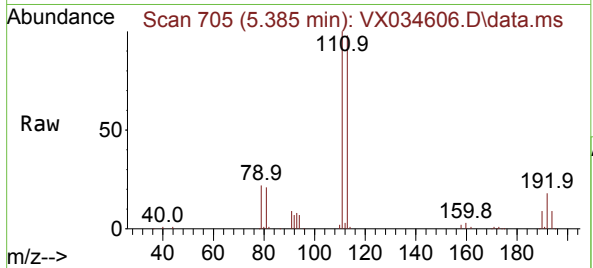




#35
Dibromofluoromethane
Concen: 47.502 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

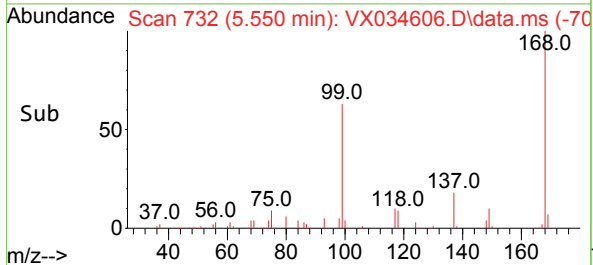
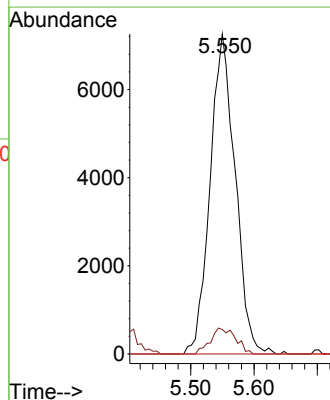
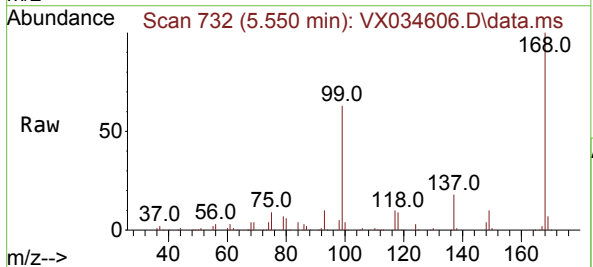
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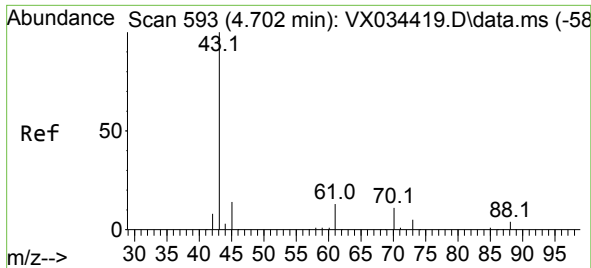
Tgt Ion:113 Resp: 124508
Ion Ratio Lower Upper
113 100
111 103.7 83.7 125.5
192 19.2 15.4 23.2



#36
1,1-Dichloropropene
Concen: 4.960 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 75 Resp: 19969
Ion Ratio Lower Upper
75 100
110 8.2 17.5 52.5#
77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 13.452 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX034606.D

Acq: 18 Mar 2023 02:55

Instrument :

MSVOA_X

ClientSampleId :

JPP-6A-031423

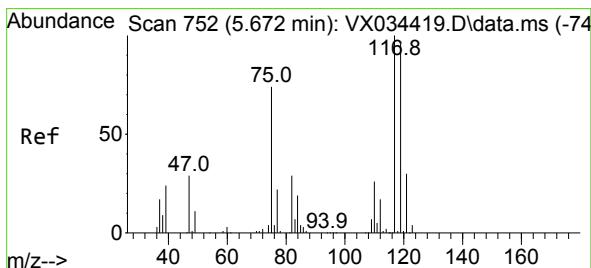
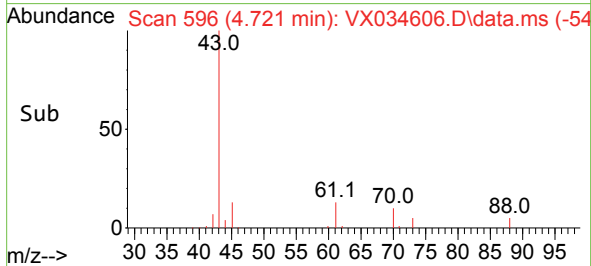
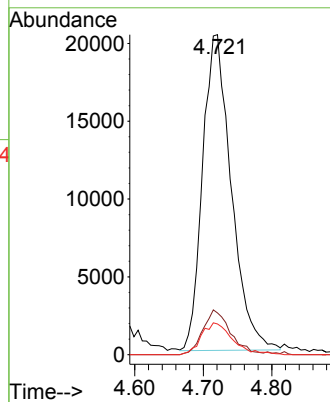
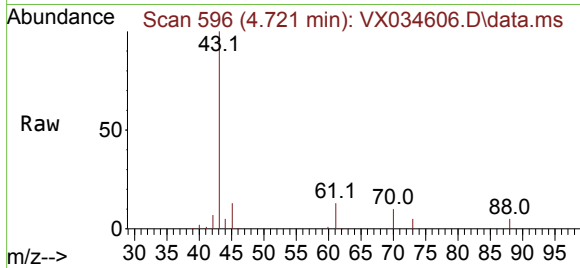
Tgt Ion: 43 Resp: 59164

Ion Ratio Lower Upper

43 100

61 13.6 10.2 15.4

70 11.0 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.115 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034606.D

Acq: 18 Mar 2023 02:55

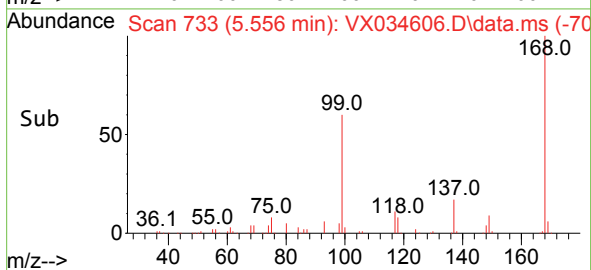
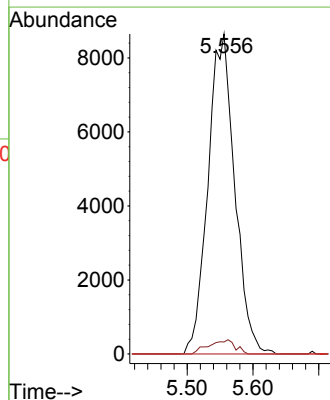
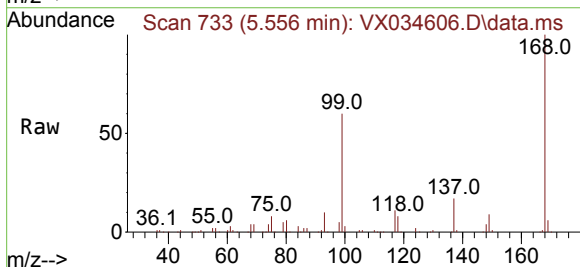
Tgt Ion: 117 Resp: 24492

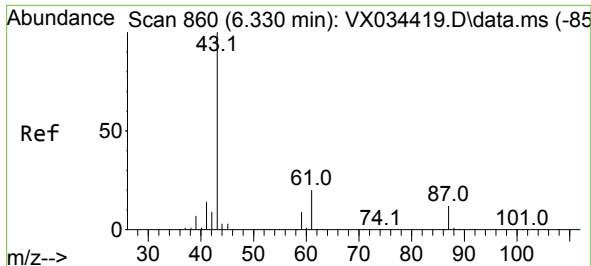
Ion Ratio Lower Upper

117 100

119 3.8 76.6 114.8#

121 0.0 23.8 35.6#

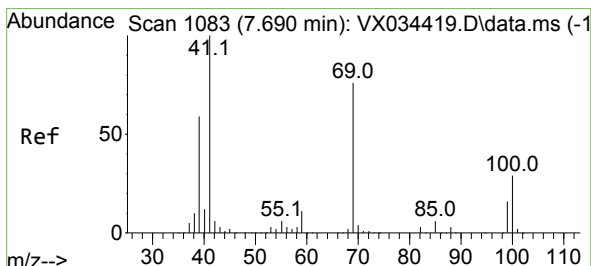
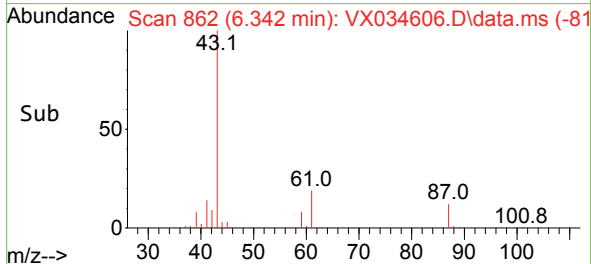
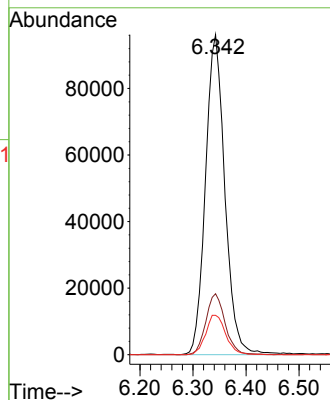
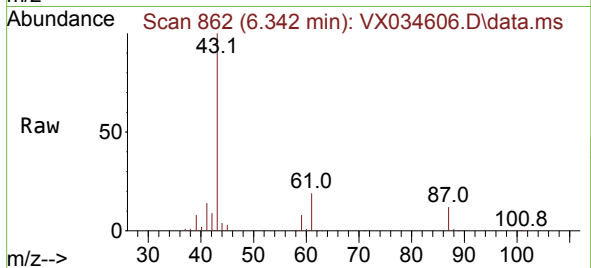




#43
Isopropyl Acetate
Concen: 32.742 ug/l
RT: 6.342 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

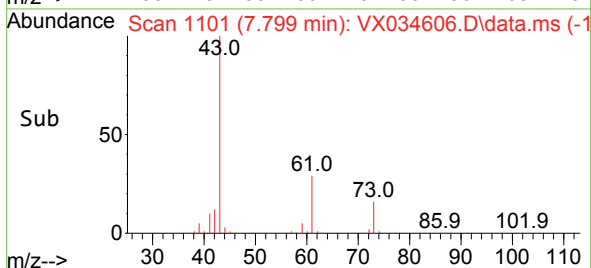
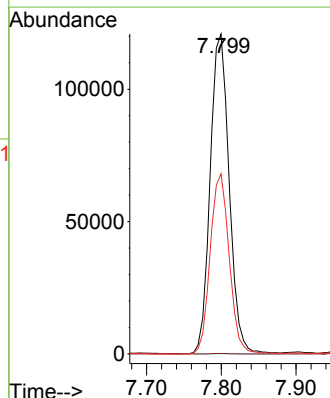
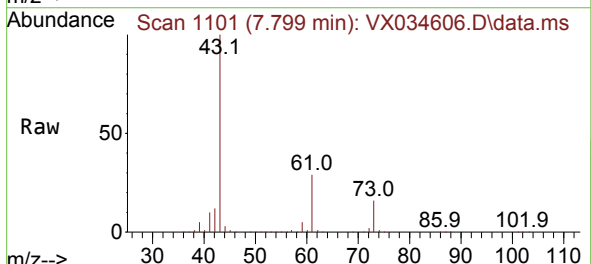
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

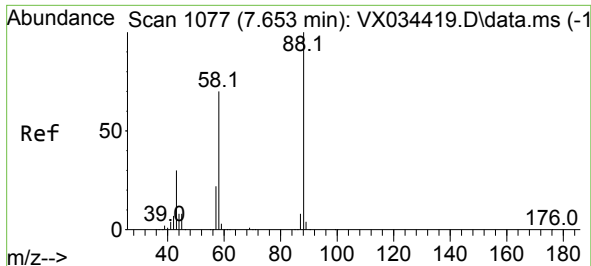
Tgt Ion: 43 Resp: 243950
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.8 9.8 14.8



#48
Methyl methacrylate
Concen: 59.443 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 41 Resp: 213007
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 56.5 47.7 71.5

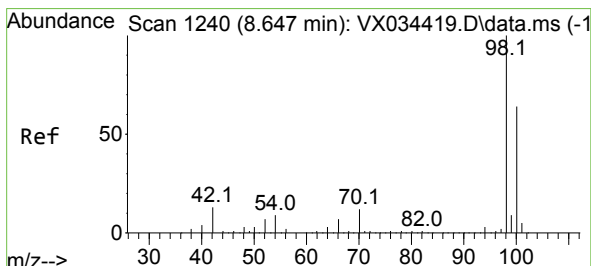
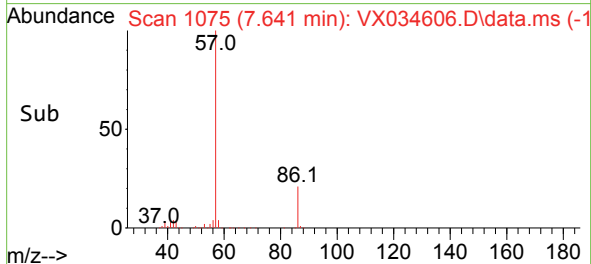
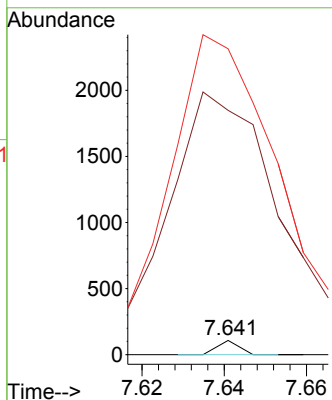
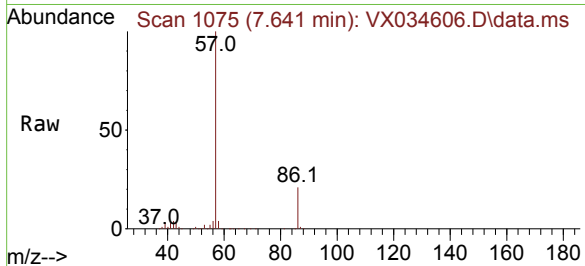




#49
1,4-Dioxane
Concen: 0.531 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.012 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

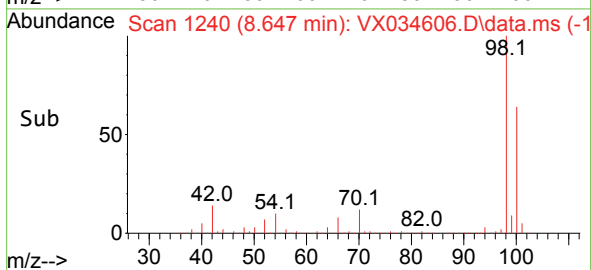
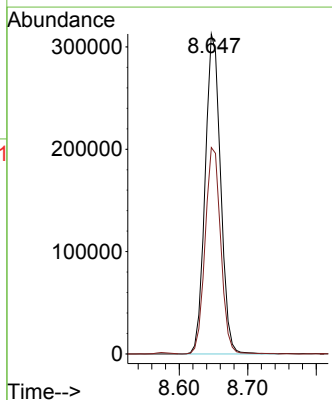
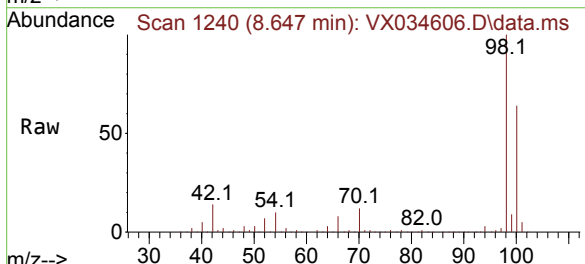
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

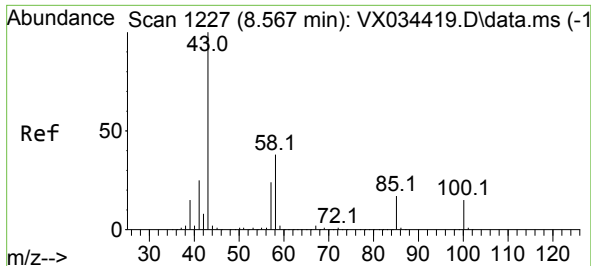
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 11505.0 56.8 85.2#



#50
Toluene-d8
Concen: 50.155 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 98 Resp: 490756
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

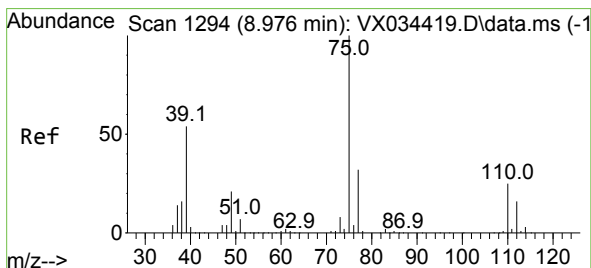
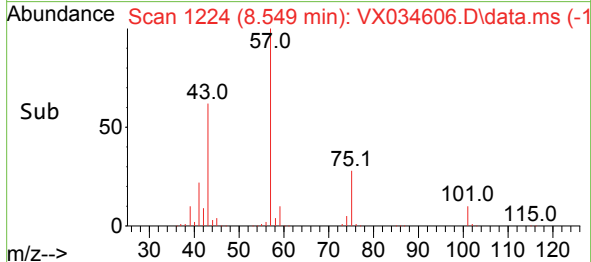
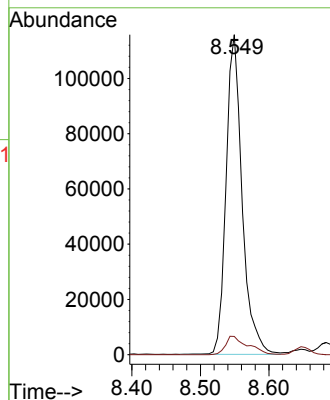
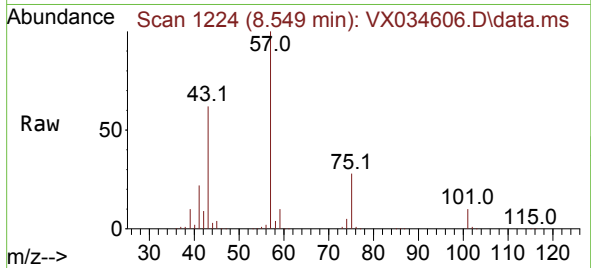




#51
4-Methyl-2-Pentanone
Concen: 43.320 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.018 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

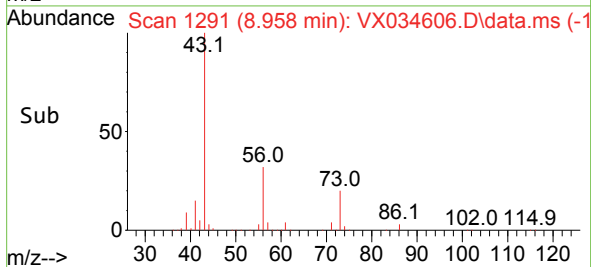
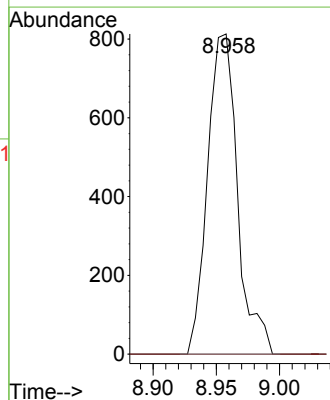
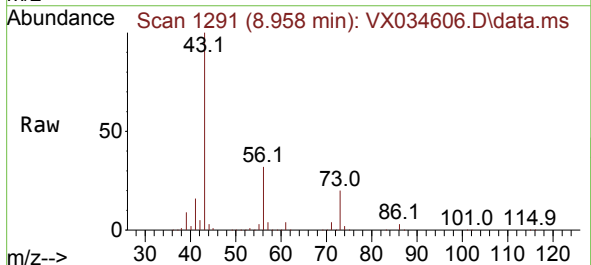
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

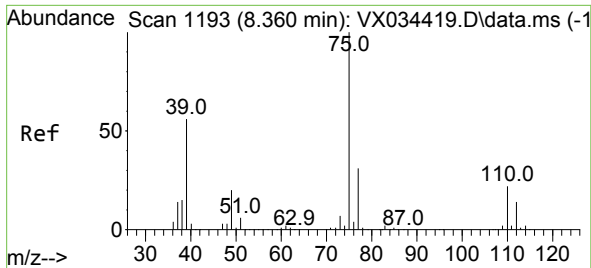
Tgt Ion: 43 Resp: 187239
Ion Ratio Lower Upper
43 100
58 8.0 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 75 Resp: 1339
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

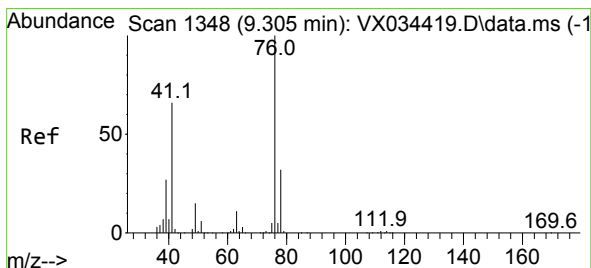
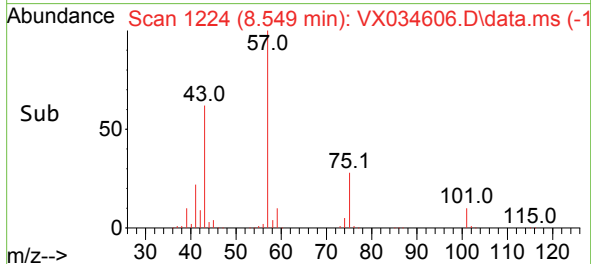
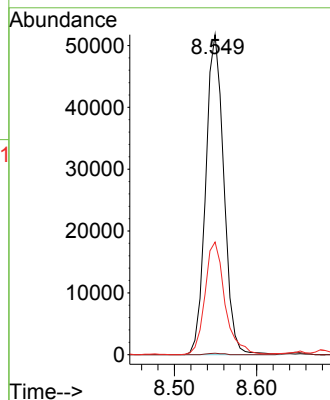
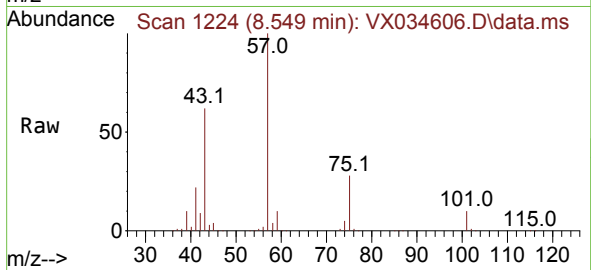




#54
 cis-1,3-Dichloropropene
 Concen: 16.032 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034606.D
 Acq: 18 Mar 2023 02:55

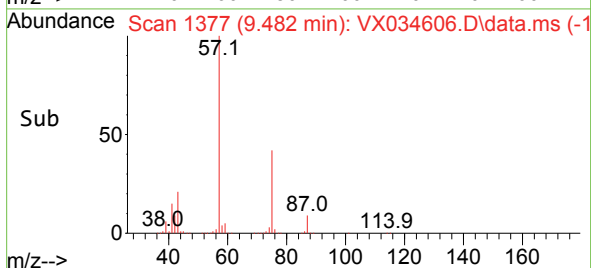
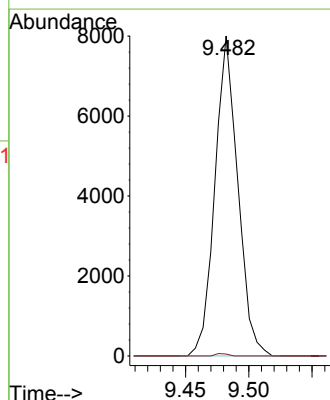
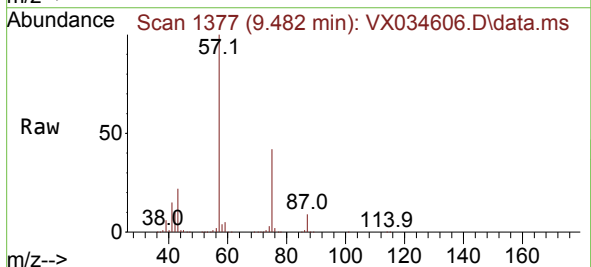
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6A-031423

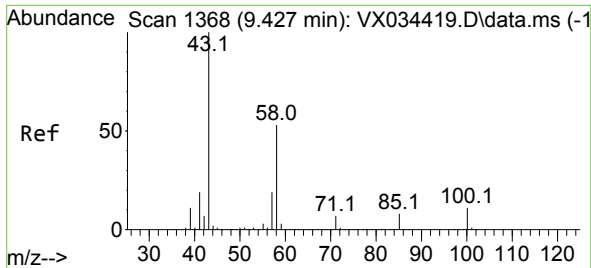
Tgt Ion: 75 Resp: 79064
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.4#
 39 35.2 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.955 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034606.D
 Acq: 18 Mar 2023 02:55

Tgt Ion: 76 Resp: 10056
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#

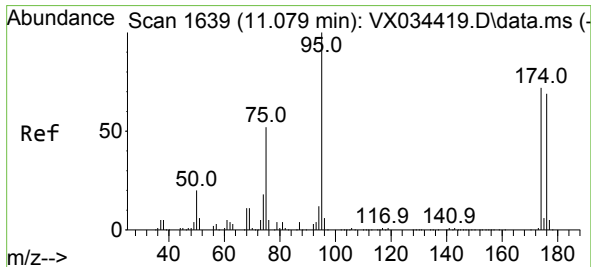
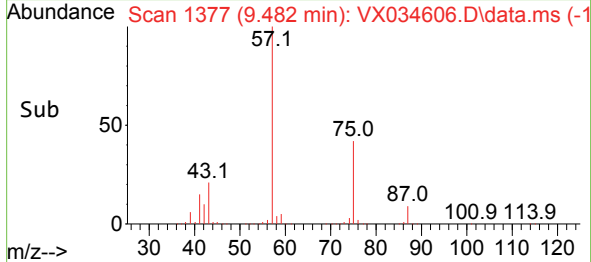
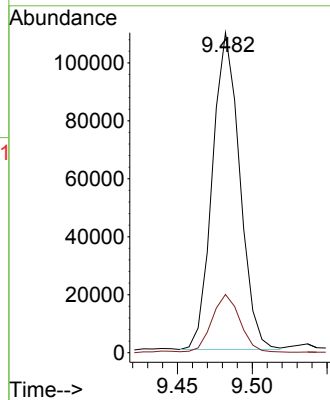
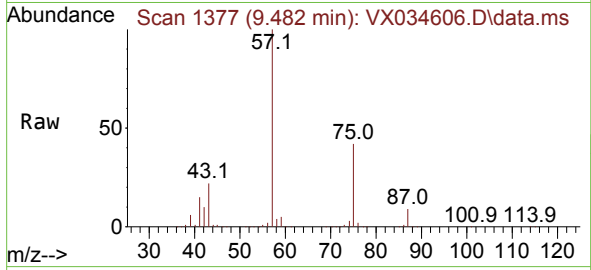




#59
2-Hexanone
Concen: 41.670 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

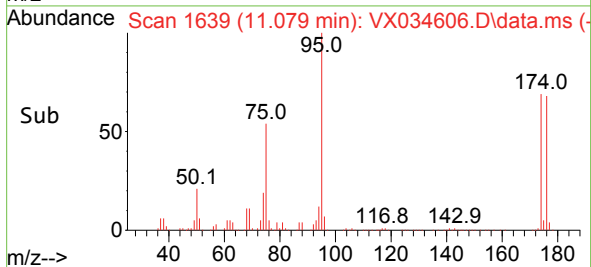
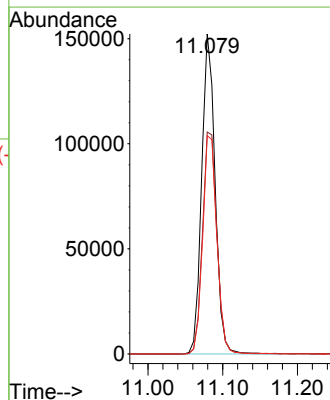
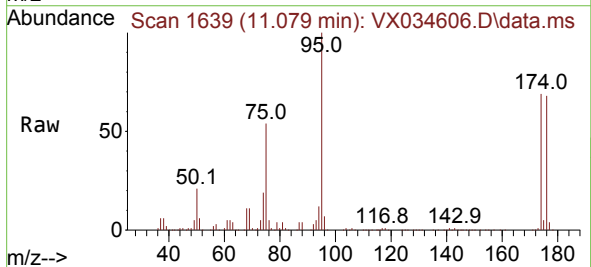
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

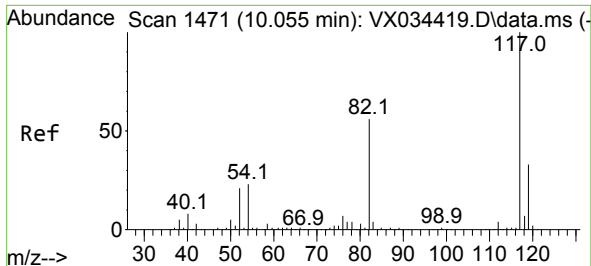
Tgt Ion: 43 Resp: 139226
Ion Ratio Lower Upper
43 100
58 19.1 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 47.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion: 95 Resp: 189696
Ion Ratio Lower Upper
95 100
174 74.1 0.0 147.4
176 72.3 0.0 140.6

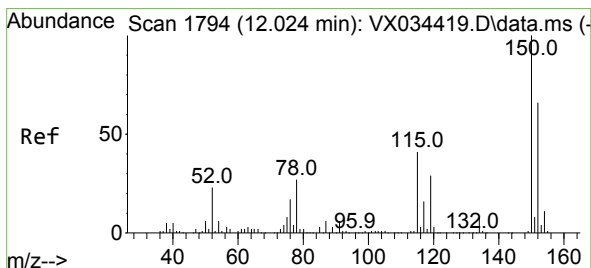
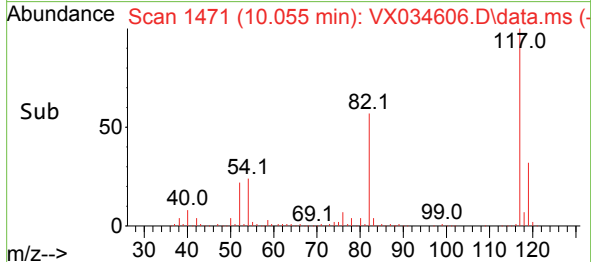
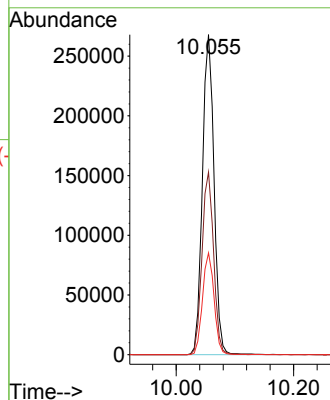
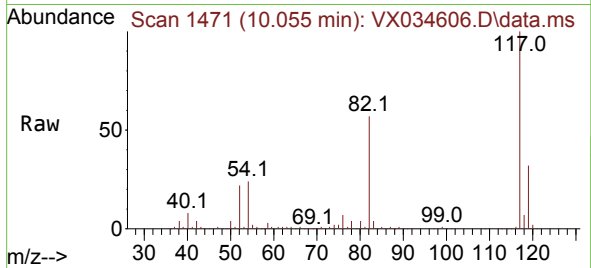




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

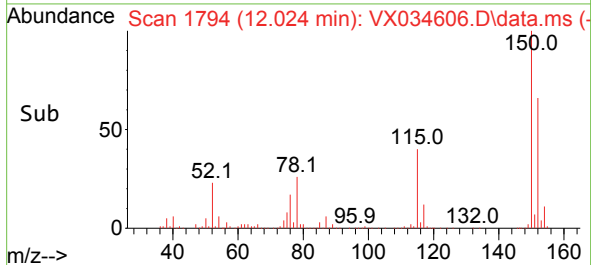
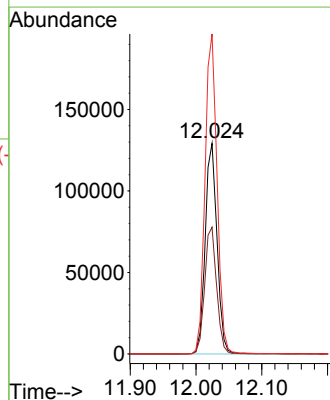
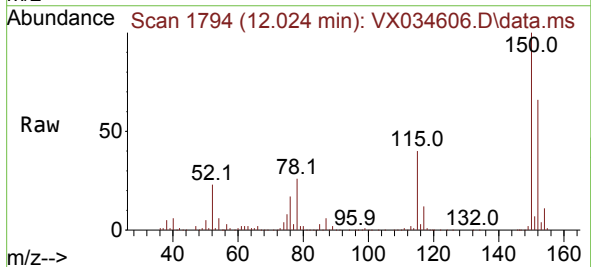
Instrument :
MSVOA_X
ClientSampleId :
JPP-6A-031423

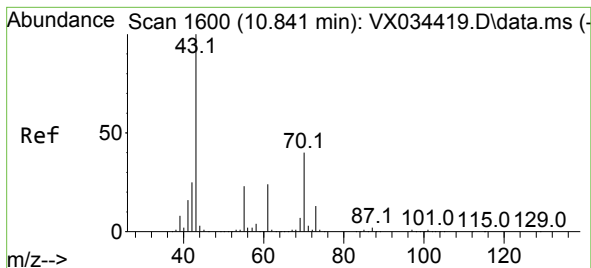
Tgt Ion:117 Resp: 367811
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 31.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034606.D
Acq: 18 Mar 2023 02:55

Tgt Ion:152 Resp: 161894
Ion Ratio Lower Upper
152 100
115 60.9 45.0 135.0
150 154.8 0.0 352.4





#74

N-amy1 acetate

Concen: 8.309 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX034606.D

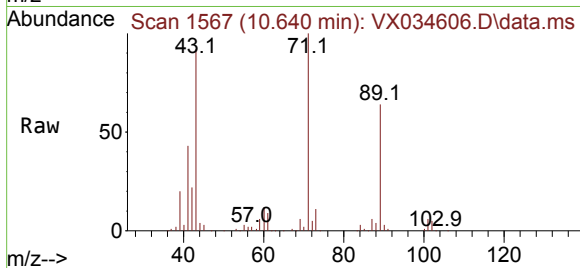
Acq: 18 Mar 2023 02:55

Instrument :

MSVOA_X

ClientSampleId :

JPP-6A-031423



Tgt Ion: 43 Resp: 49795

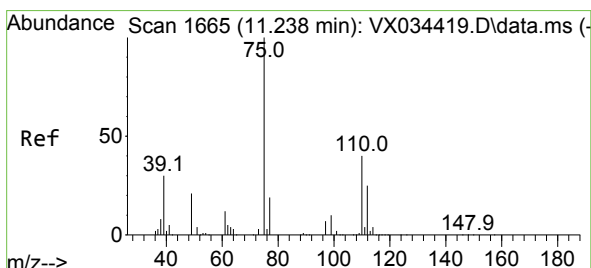
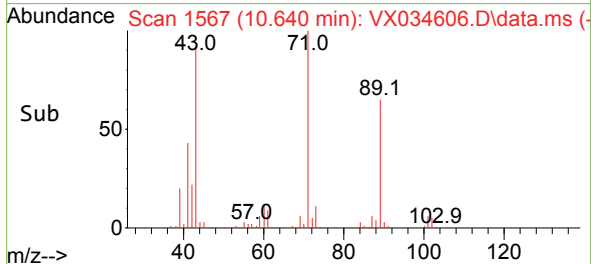
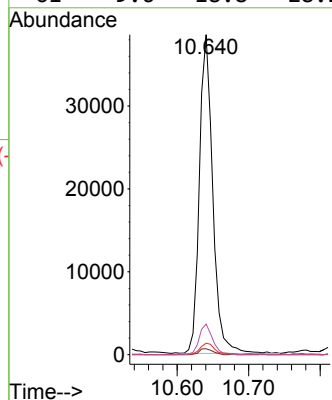
Ion Ratio Lower Upper

43 100

70 1.9 32.1 48.1#

55 4.3 18.3 27.5#

61 9.6 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.010 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX034606.D

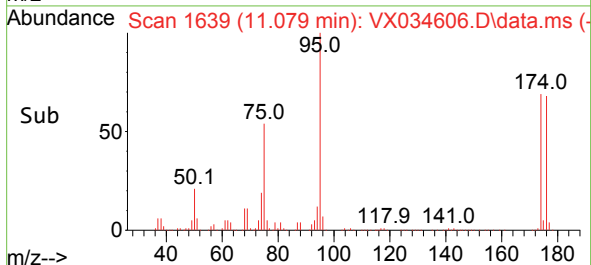
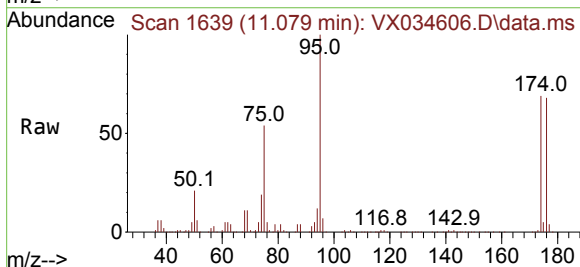
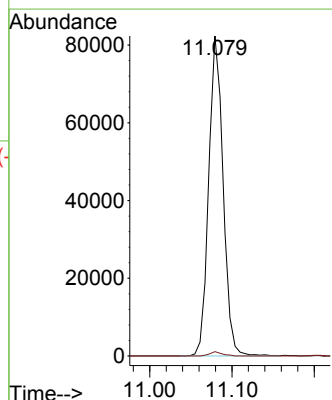
Acq: 18 Mar 2023 02:55

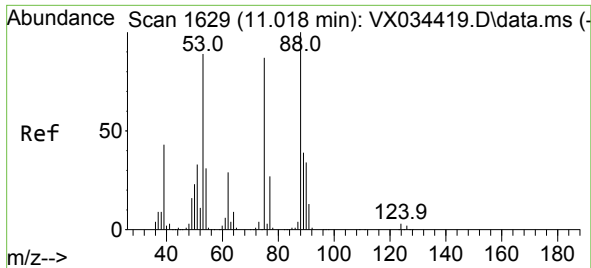
Tgt Ion: 75 Resp: 100404

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.071 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX034606.D
 Acq: 18 Mar 2023 02:55

Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6A-031423

Tgt Ion: 75 Resp: 100404
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

