

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031723\
 Data File : VX034607.D
 Acq On : 18 Mar 2023 03:19
 Operator : JC/MD
 Sample : 01932-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6C-031423

Quant Time: Mar 20 00:14:59 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)

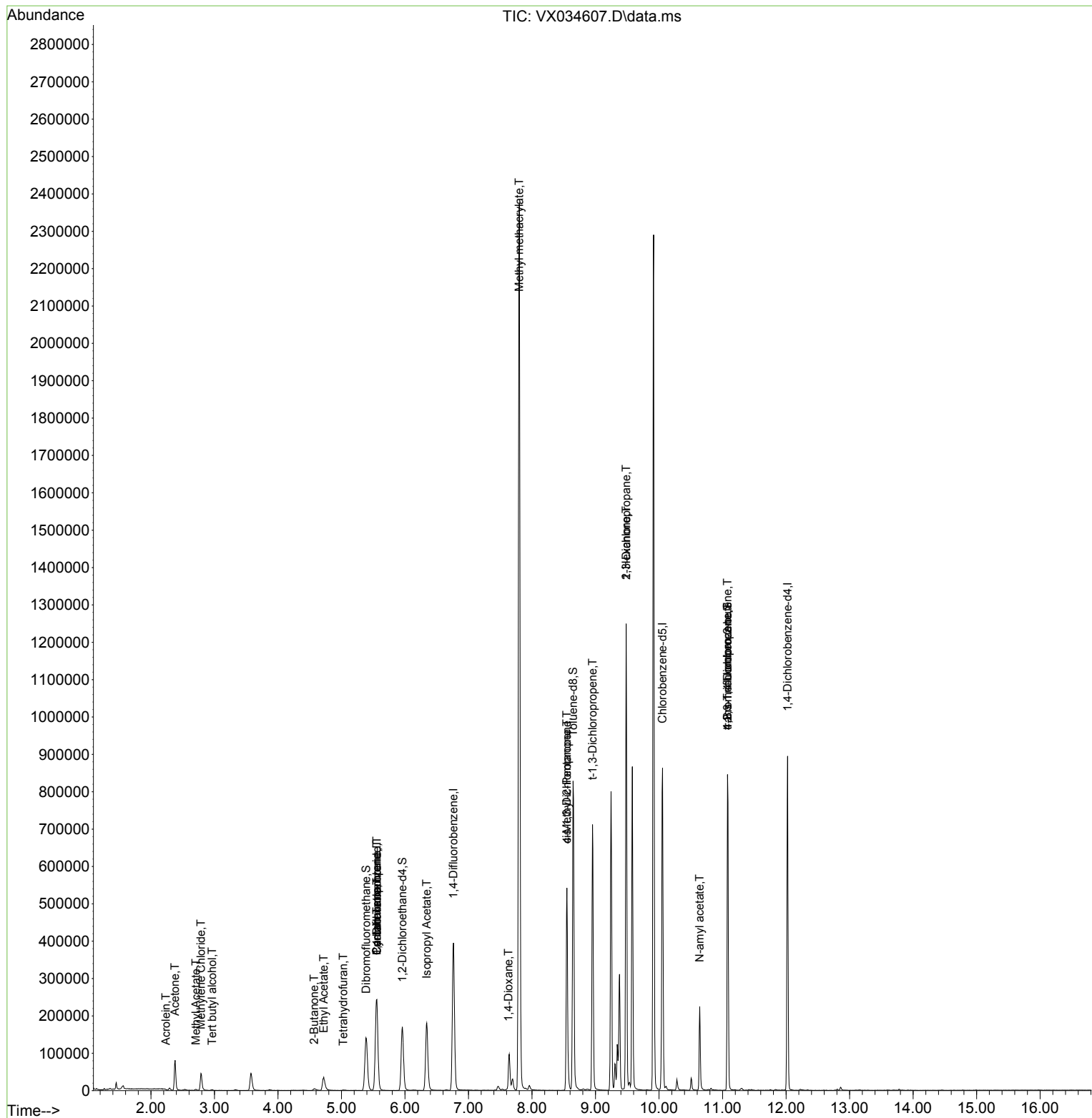
Internal Standards						
1) Pentafluorobenzene	5.556	168	230973	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	391816	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160040	47.628	ug/l	0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.260%		
35) Dibromofluoromethane	5.385	113	122683	47.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.840%		
50) Toluene-d8	8.647	98	482953	50.009	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.020%		
62) 4-Bromofluorobenzene	11.079	95	232498	59.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	119.200%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	133	Below Cal	#	55
11) Tert butyl alcohol	2.965	59	1895	2.708	ug/l #	93
13) Acrolein	2.233	56	238	0.430	ug/l #	27
16) Acetone	2.380	43	83626	52.834	ug/l	98
18) Methyl Acetate	2.709	43	3477	0.672	ug/l	96
20) Methylene Chloride	2.788	84	20889	6.800	ug/l	92
25) 2-Butanone	4.568	43	8873	3.918	ug/l #	85
29) Tetrahydrofuran	5.025	42	1259	0.901	ug/l #	41
31) Cyclohexane	5.556	56	5794	1.229	ug/l #	20
36) 1,1-Dichloropropene	5.556	75	19329	4.865	ug/l #	50
37) Ethyl Acetate	4.721	43	60930	14.037	ug/l	97
38) Carbon Tetrachloride	5.556	117	23827	6.028	ug/l #	16
43) Isopropyl Acetate	6.342	43	252118	34.285	ug/l	99
48) Methyl methacrylate	7.799	41	214068	60.527	ug/l #	47
49) 1,4-Dioxane	7.629	88	30	0.404	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	193914	45.457	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	1480	0.329	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	81137	16.670	ug/l #	62
57) 1,3-Dichloropropane	9.482	76	10317	2.033	ug/l #	42
59) 2-Hexanone	9.482	43	144734	43.890	ug/l #	53
74) N-amyl acetate	10.640	43	61857	9.864	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	125963	32.385	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	125963	87.612	ug/l #	8

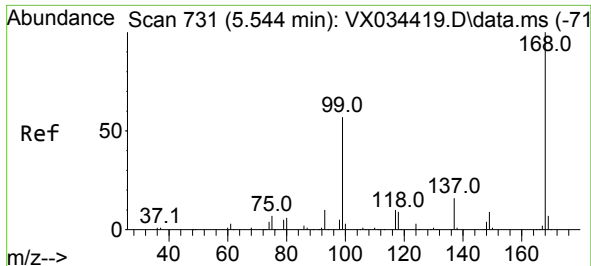
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

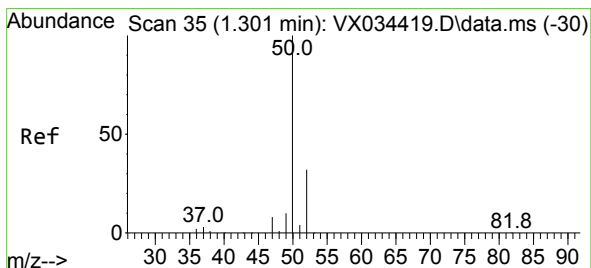
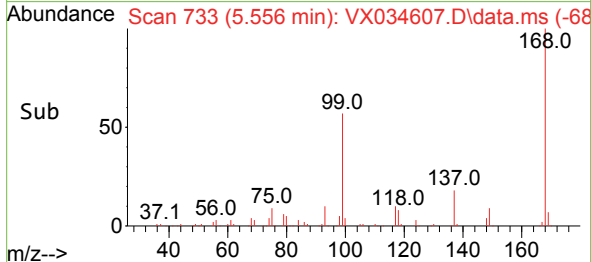
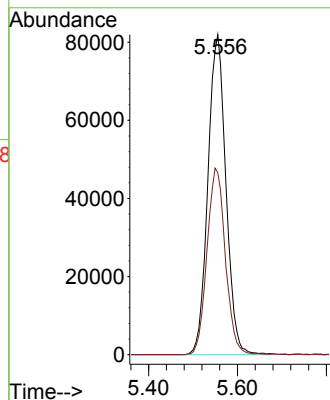
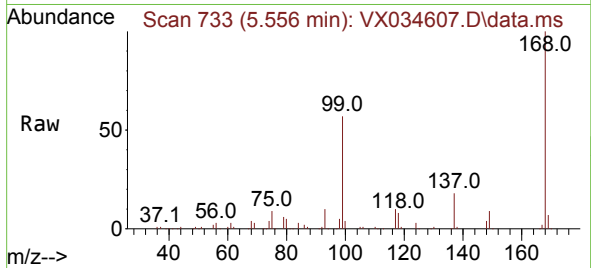




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

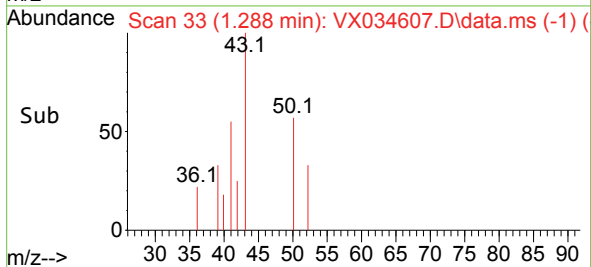
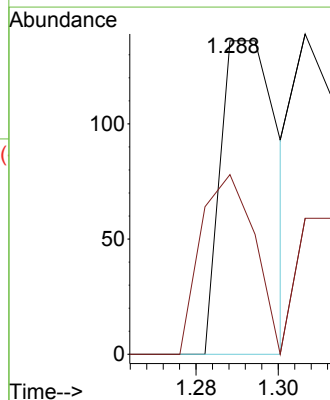
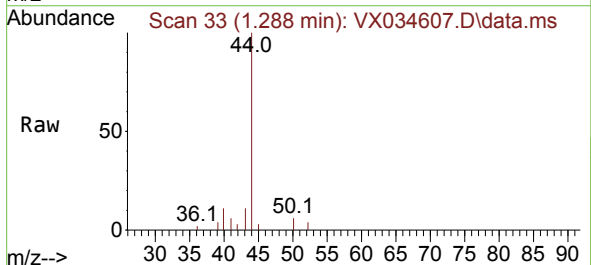
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

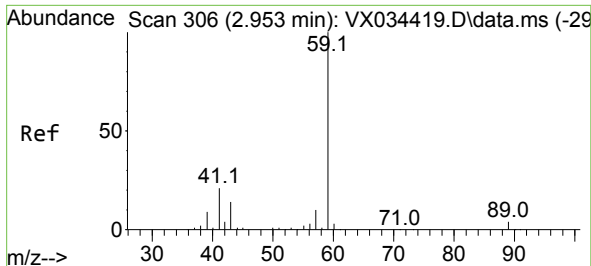
Tgt Ion:168 Resp: 230973
Ion Ratio Lower Upper
168 100
99 56.9 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.013 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 50 Resp: 133
Ion Ratio Lower Upper
50 100
52 57.4 25.9 38.9#

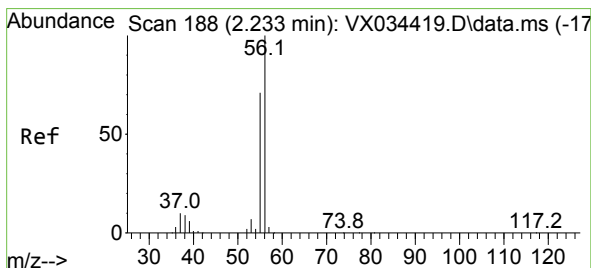
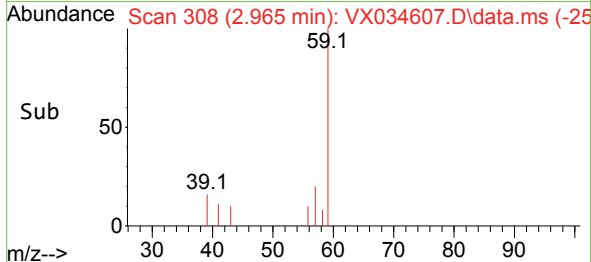
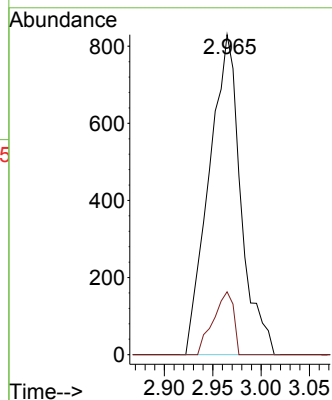
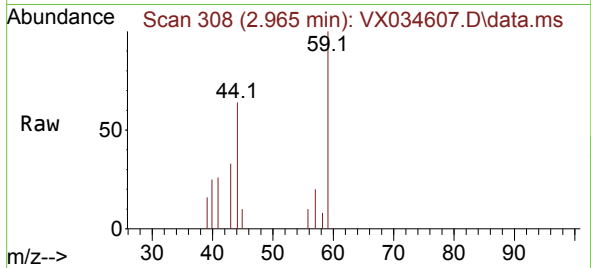




#11
Tert butyl alcohol
Concen: 2.708 ug/l
RT: 2.965 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

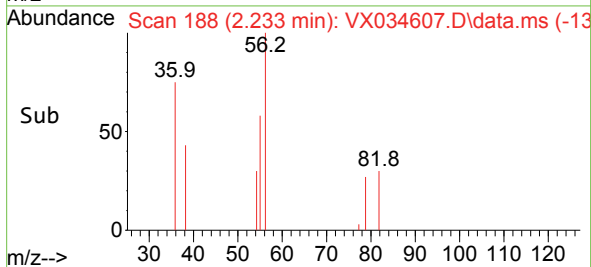
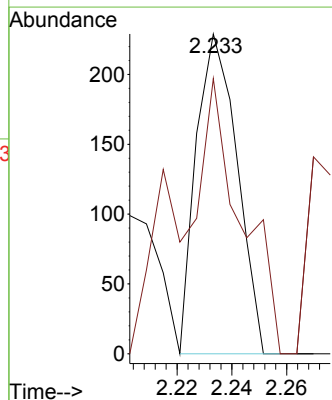
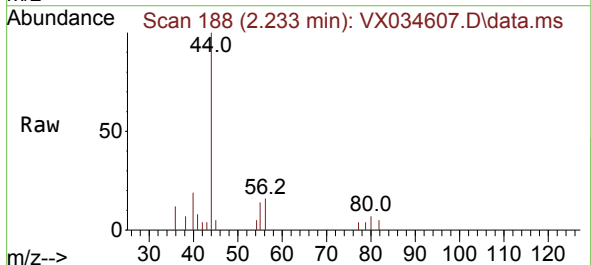
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

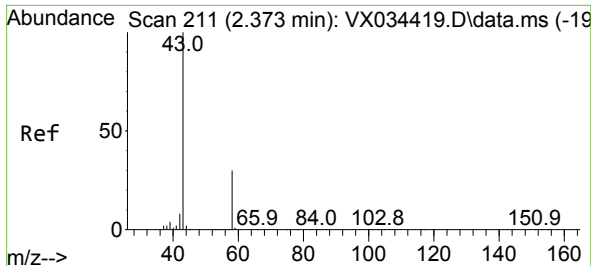
Tgt Ion: 59 Resp: 1895
Ion Ratio Lower Upper
59 100
57 12.6 8.1 12.1#



#13
Acrolein
Concen: 0.430 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
55 131.1 56.6 85.0#

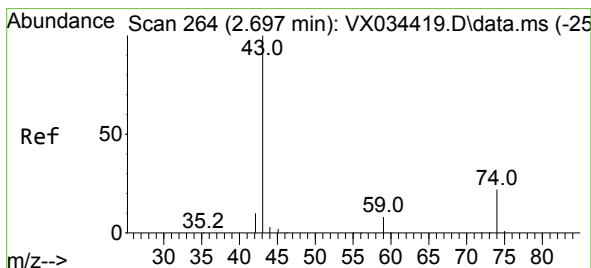
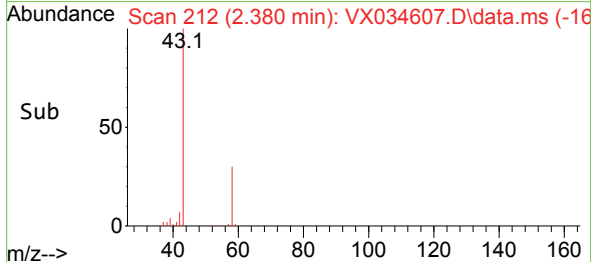
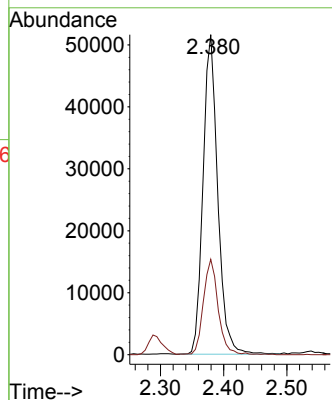
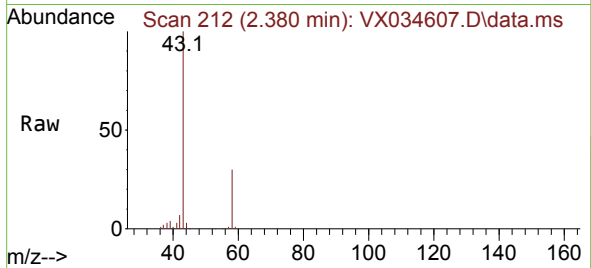




#16
Acetone
Concen: 52.834 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

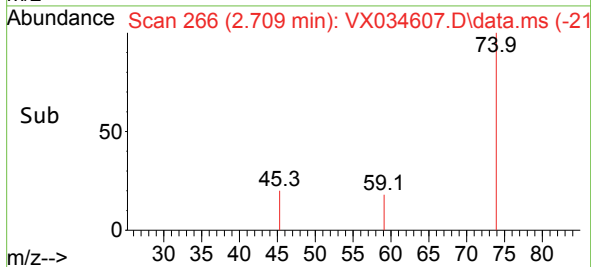
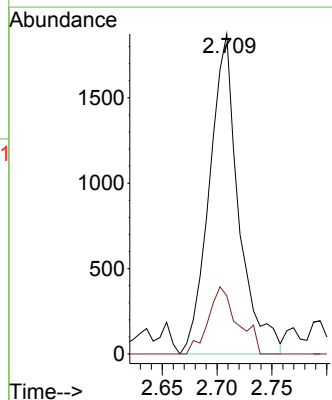
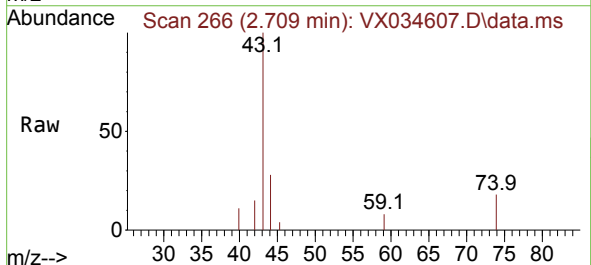
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

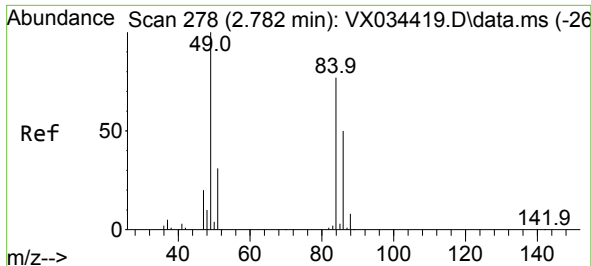
Tgt Ion: 43 Resp: 83626
Ion Ratio Lower Upper
43 100
58 29.8 24.7 37.1



#18
Methyl Acetate
Concen: 0.672 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.012 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
74 21.1 18.3 27.5



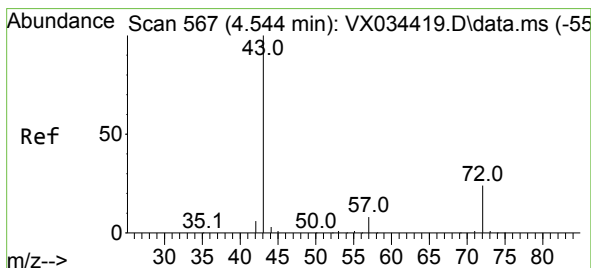
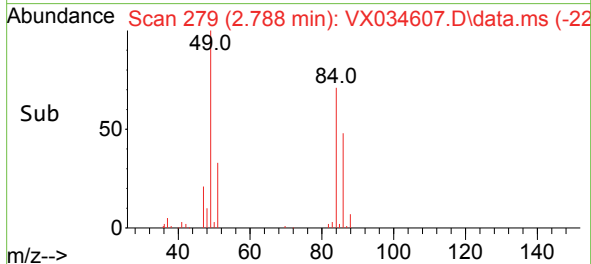
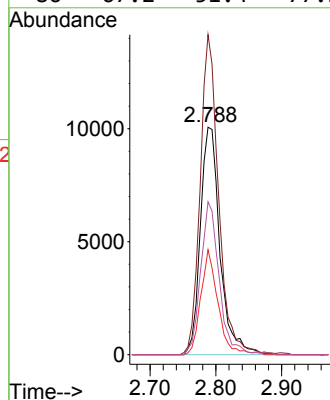
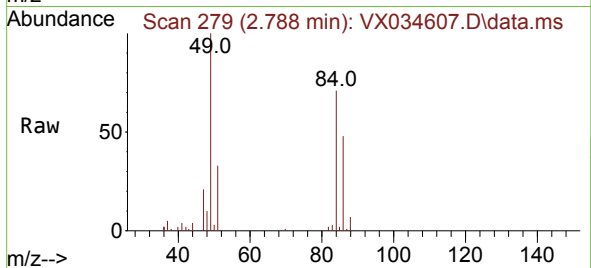


#20
Methylene Chloride
Concen: 6.800 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

Tgt Ion: 84 Resp: 20889

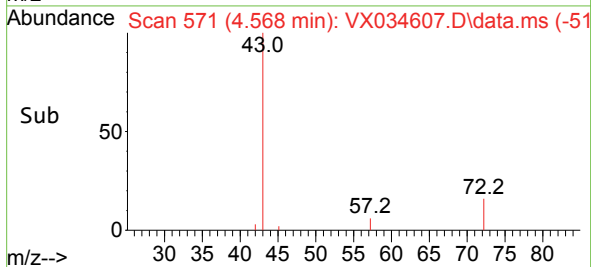
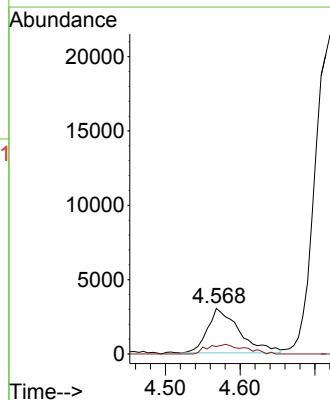
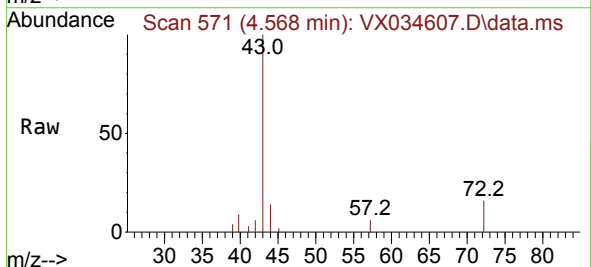
Ion	Ratio	Lower	Upper
84	100		
49	140.6	103.8	155.8
51	46.1	31.8	47.8
86	67.2	51.4	77.2

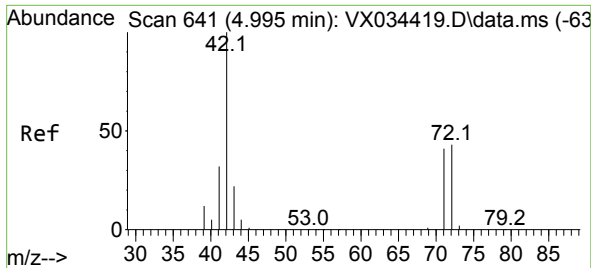


#25
2-Butanone
Concen: 3.918 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.024 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 43 Resp: 8873

Ion	Ratio	Lower	Upper
43	100		
72	16.8	19.3	28.9#





#29

Tetrahydrofuran

Concen: 0.901 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

Instrument :

MSVOA_X

ClientSampleId :

JPP-6C-031423

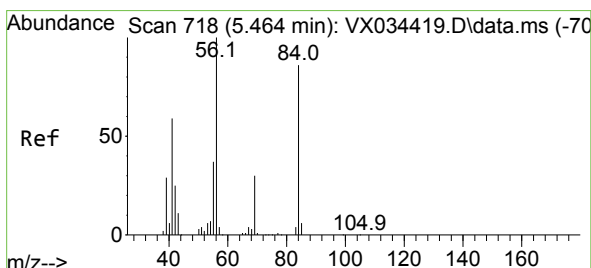
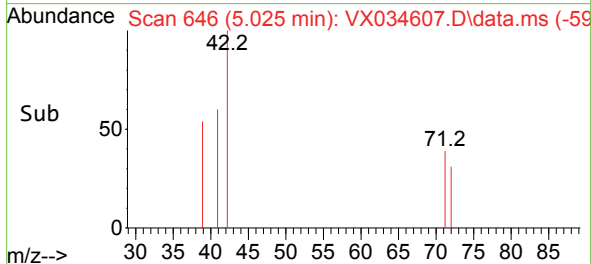
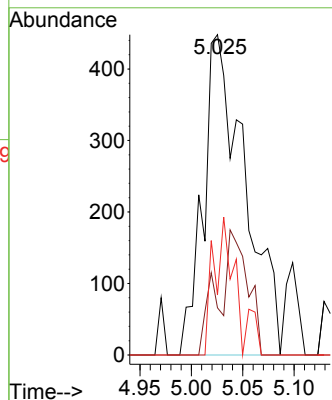
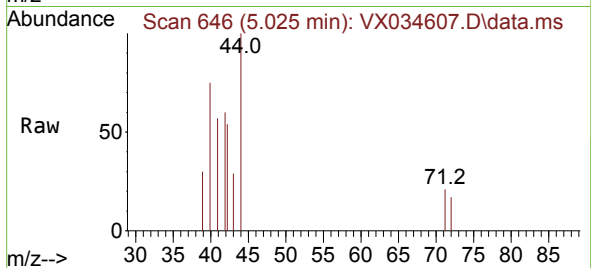
Tgt Ion: 42 Resp: 1259

Ion Ratio Lower Upper

42 100

72 8.7 34.5 51.7#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.229 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

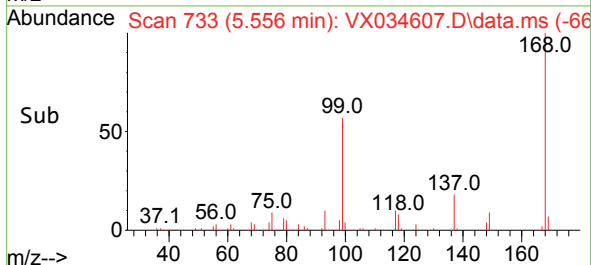
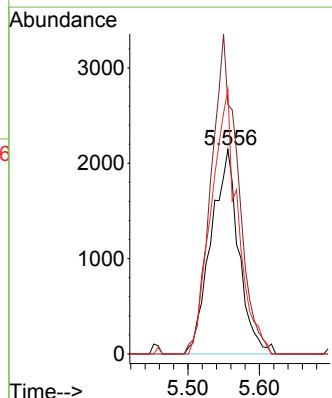
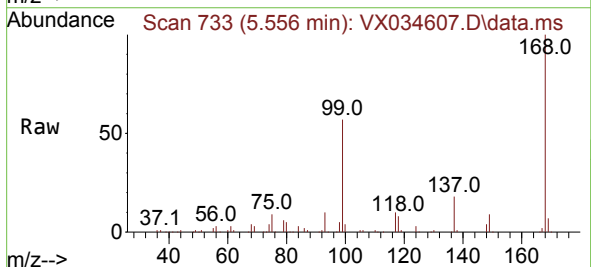
Tgt Ion: 56 Resp: 5794

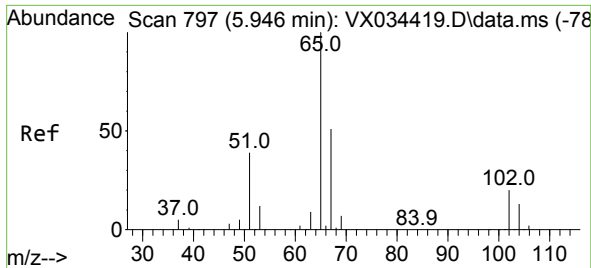
Ion Ratio Lower Upper

56 100

69 122.0 23.7 35.5#

84 129.5 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 47.628 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

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ClientSampleId :

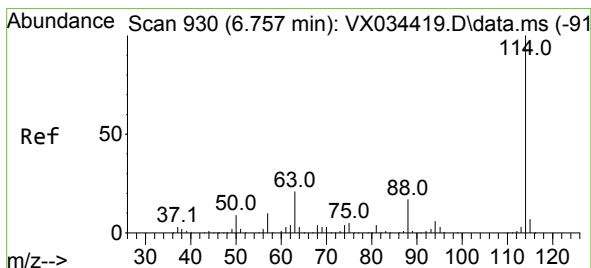
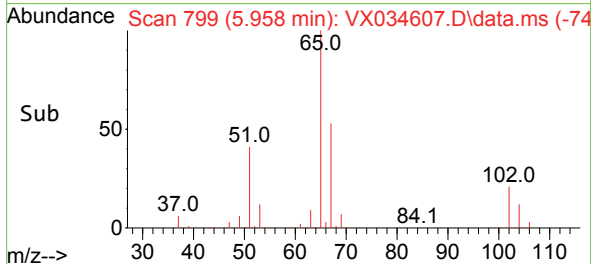
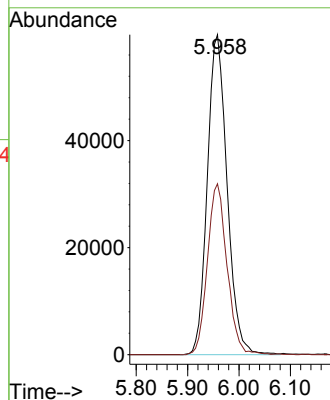
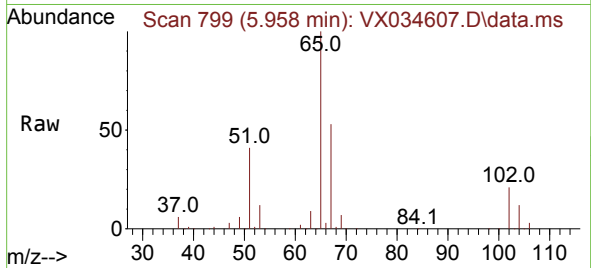
JPP-6C-031423

Tgt Ion: 65 Resp: 160040

Ion Ratio Lower Upper

65 100

67 52.9 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: VX034607.D

Acq: 18 Mar 2023 03:19

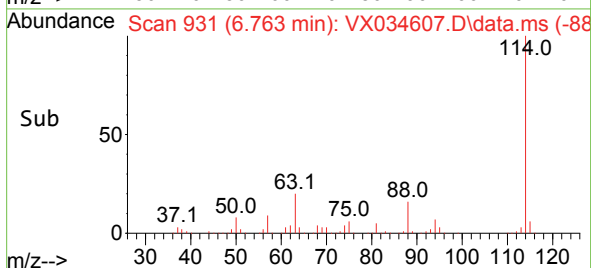
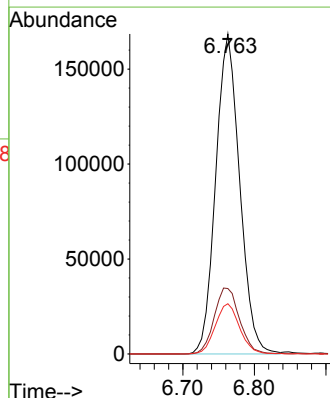
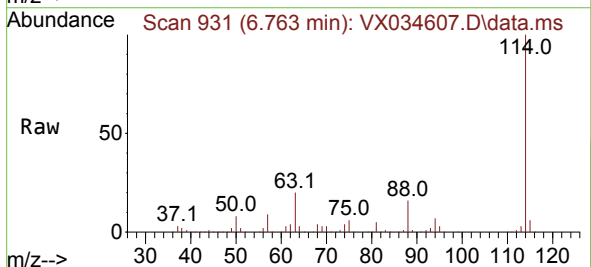
Tgt Ion: 114 Resp: 391816

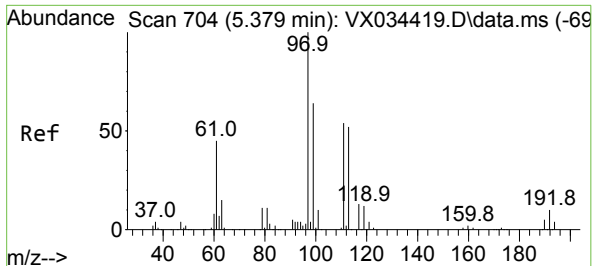
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.2

88 15.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.424 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

Instrument :

MSVOA_X

ClientSampleId :

JPP-6C-031423

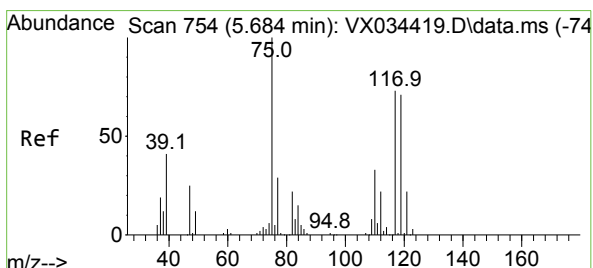
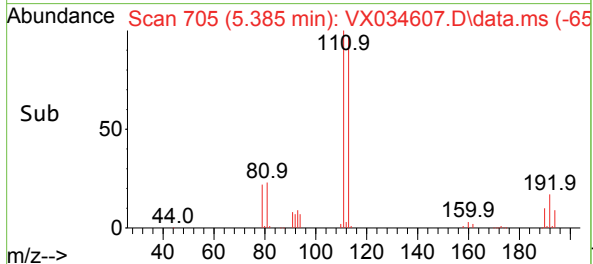
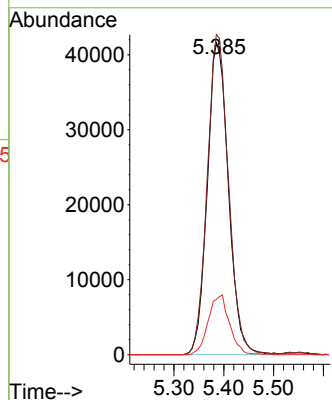
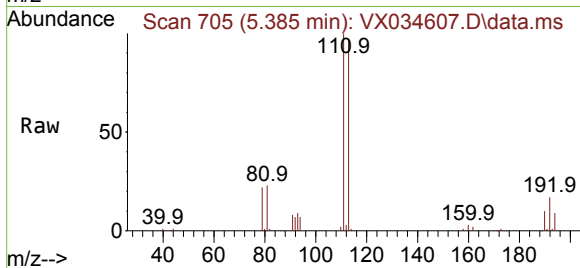
Tgt Ion:113 Resp: 122683

Ion Ratio Lower Upper

113 100

111 103.3 83.7 125.5

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

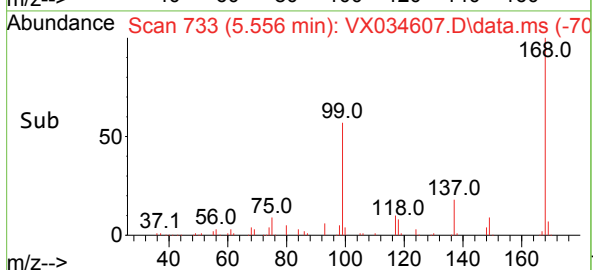
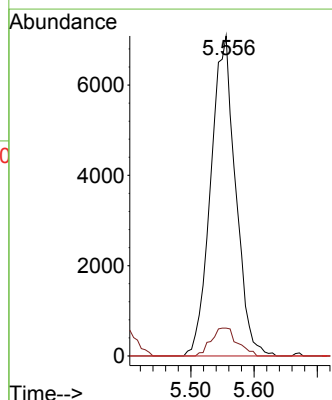
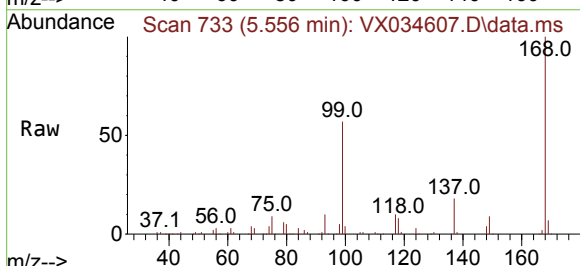
Tgt Ion: 75 Resp: 19329

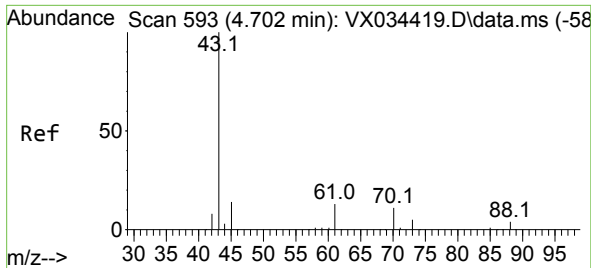
Ion Ratio Lower Upper

75 100

110 9.2 17.5 52.5#

77 0.0 24.3 36.5#





#37

Ethyl Acetate

Concen: 14.037 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.018 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

Instrument :

MSVOA_X

ClientSampleId :

JPP-6C-031423

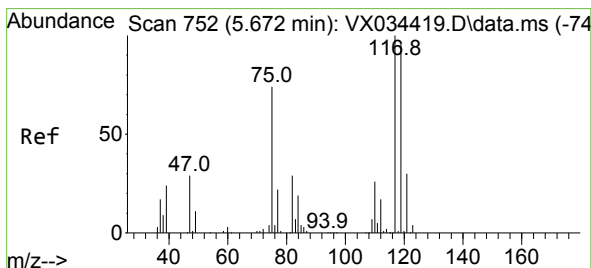
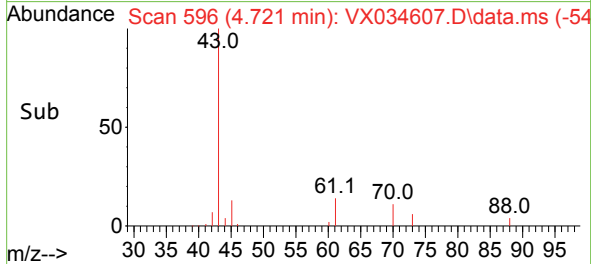
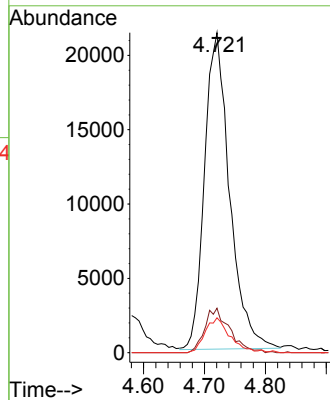
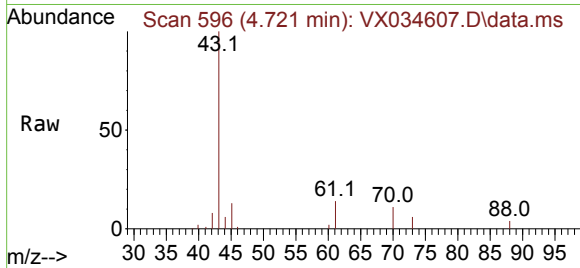
Tgt Ion: 43 Resp: 60930

Ion Ratio Lower Upper

43 100

61 14.1 10.2 15.4

70 10.9 8.2 12.4



#38

Carbon Tetrachloride

Concen: 6.028 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

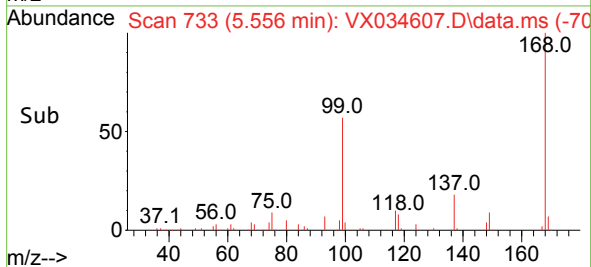
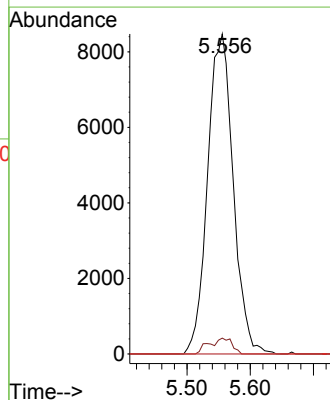
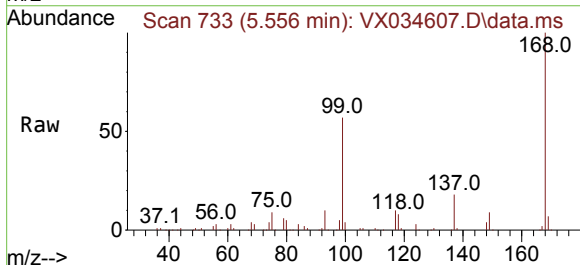
Tgt Ion: 117 Resp: 23827

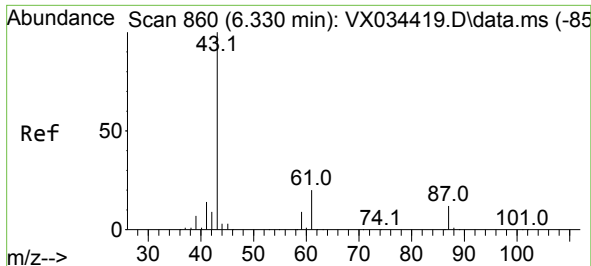
Ion Ratio Lower Upper

117 100

119 5.0 76.6 114.8#

121 0.0 23.8 35.6#

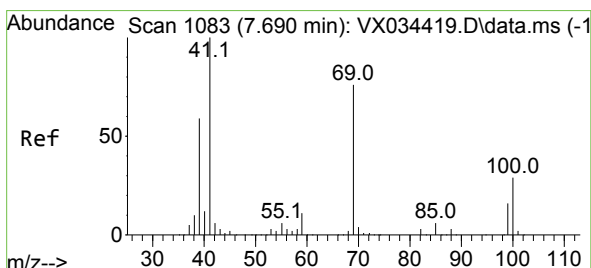
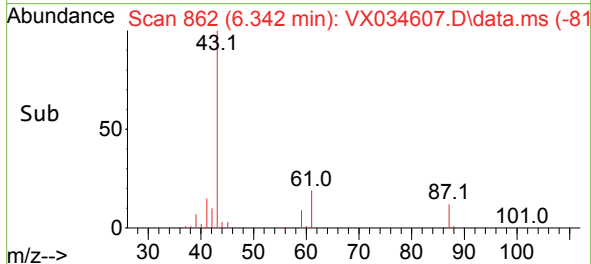
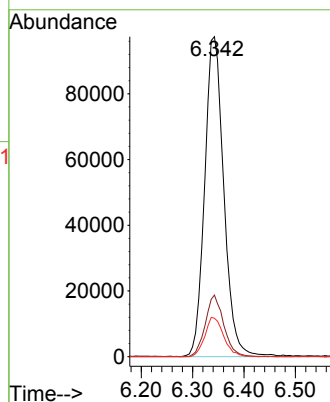
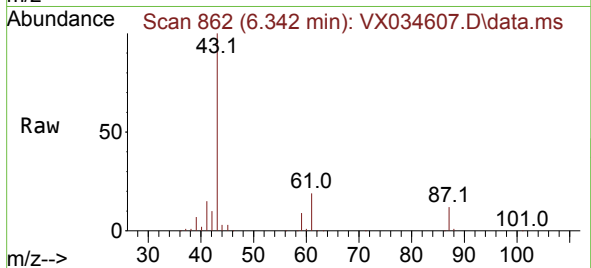




#43
Isopropyl Acetate
Concen: 34.285 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.012 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

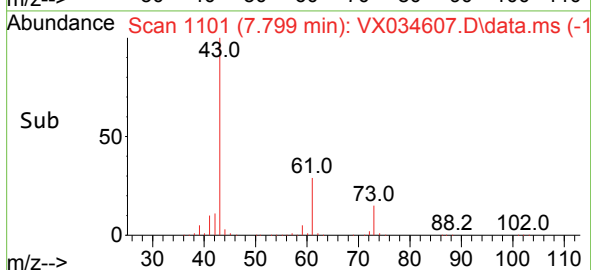
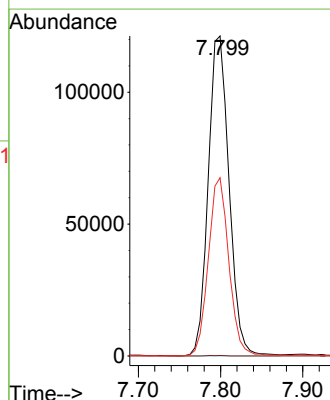
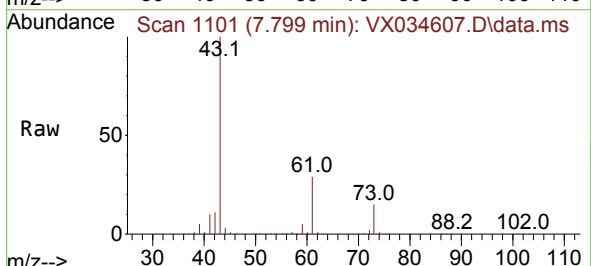
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

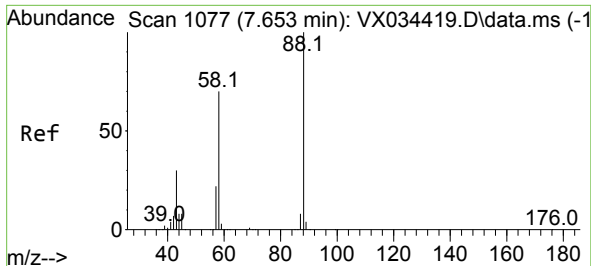
Tgt Ion: 43 Resp: 252118
Ion Ratio Lower Upper
43 100
61 18.5 15.2 22.8
87 12.1 9.8 14.8



#48
Methyl methacrylate
Concen: 60.527 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 41 Resp: 214068
Ion Ratio Lower Upper
41 100
69 0.1 62.2 93.4#
39 55.0 47.7 71.5





#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 7.629 min Scan# 1073

Delta R.T. -0.024 min

Lab File: VX034607.D

Acq: 18 Mar 2023 03:19

Instrument :

MSVOA_X

ClientSampleId :

JPP-6C-031423

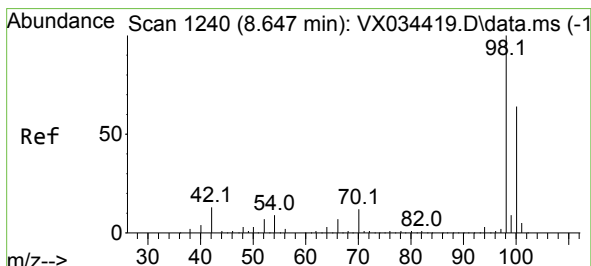
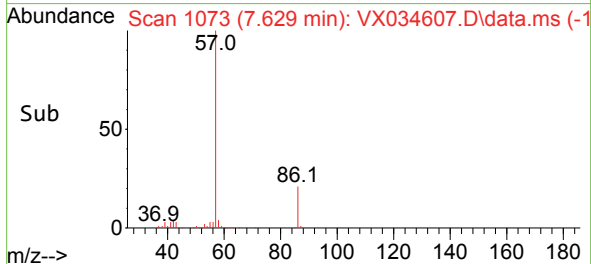
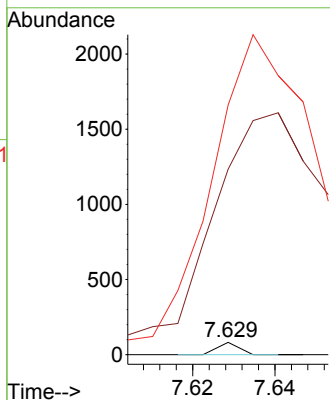
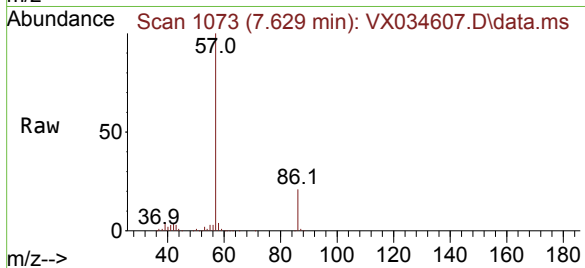
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 13913.3 56.8 85.2#



#50

Toluene-d8

Concen: 50.009 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034607.D

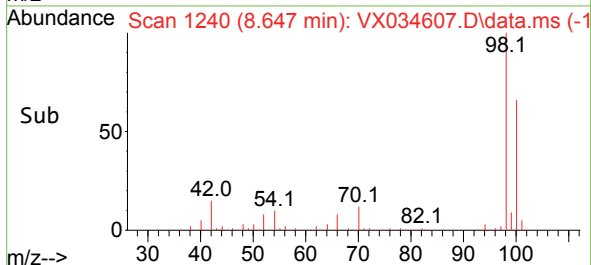
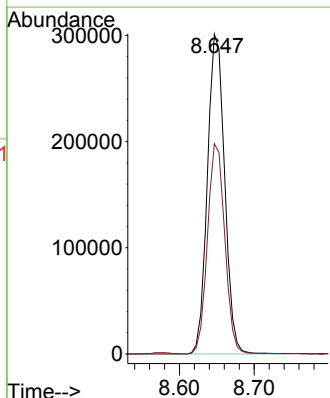
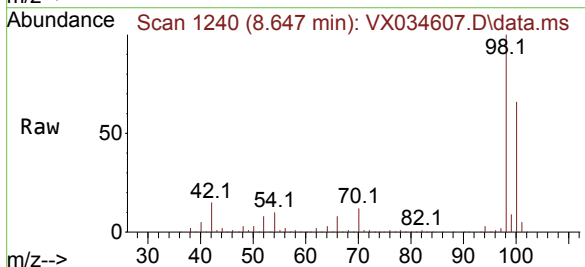
Acq: 18 Mar 2023 03:19

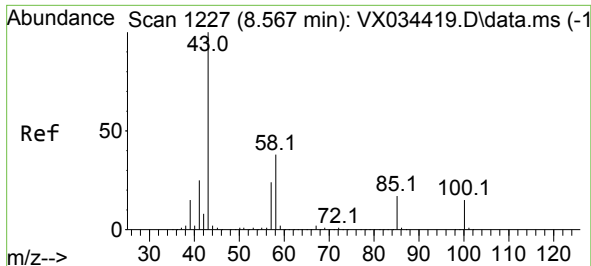
Tgt Ion: 98 Resp: 482953

Ion Ratio Lower Upper

98 100

100 66.1 52.5 78.7

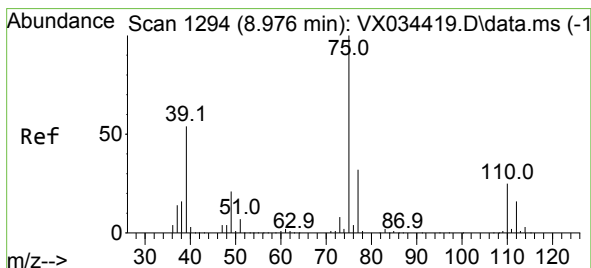
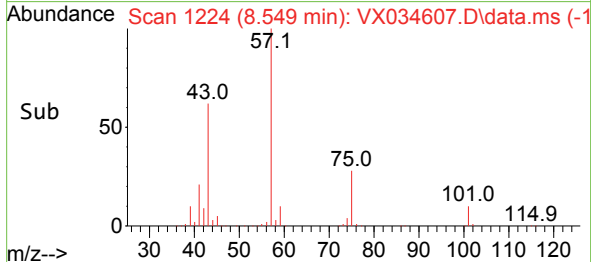
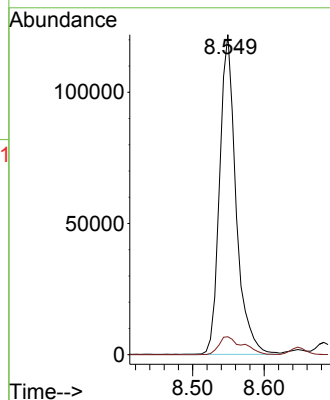
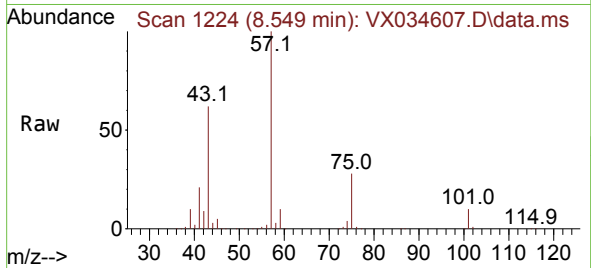




#51
4-Methyl-2-Pentanone
Concen: 45.457 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

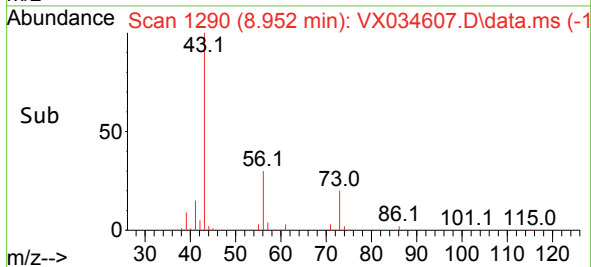
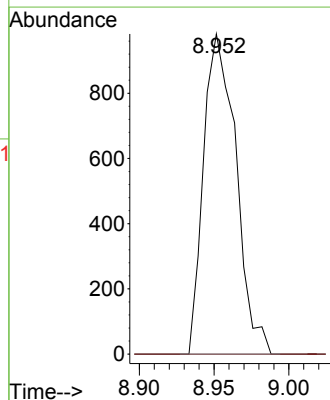
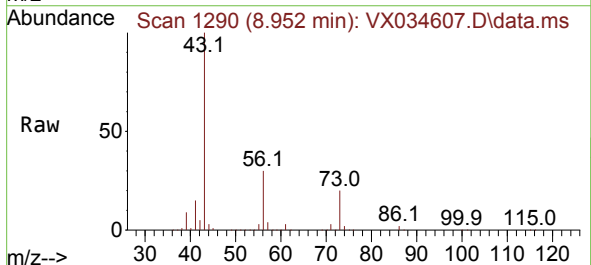
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

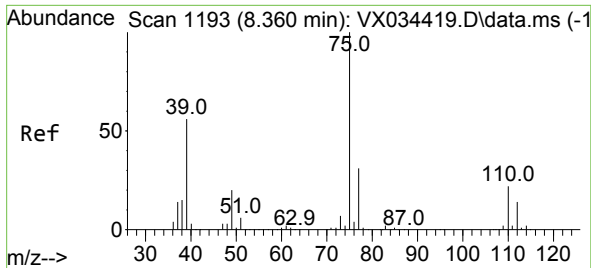
Tgt Ion: 43 Resp: 193914
Ion Ratio Lower Upper
43 100
58 8.3 30.6 46.0#



#53
t-1,3-Dichloropropene
Concen: 0.329 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 75 Resp: 1480
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

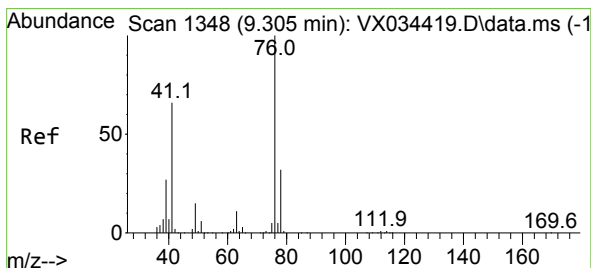
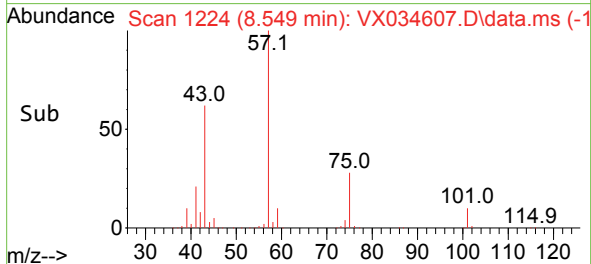
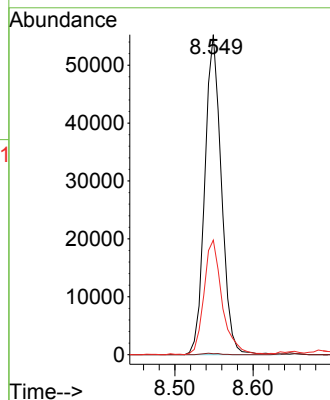
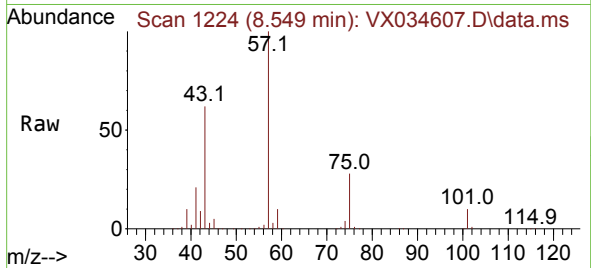




#54
 cis-1,3-Dichloropropene
 Concen: 16.670 ug/l
 RT: 8.549 min Scan# 1193
 Delta R.T. 0.189 min
 Lab File: VX034607.D
 Acq: 18 Mar 2023 03:19

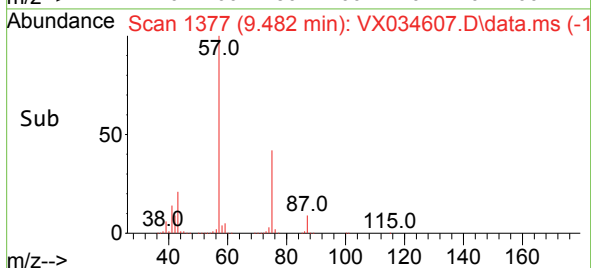
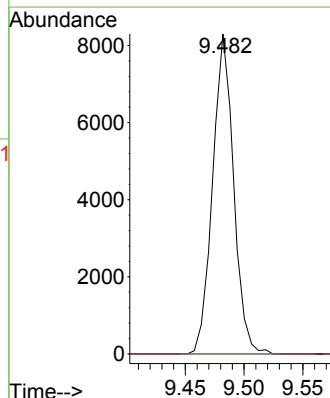
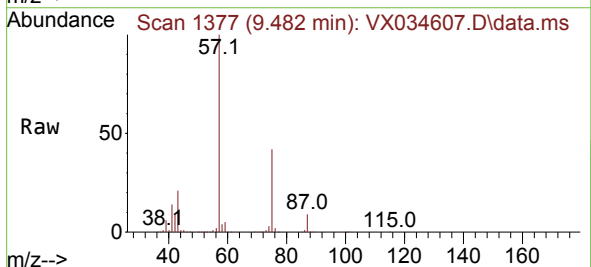
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6C-031423

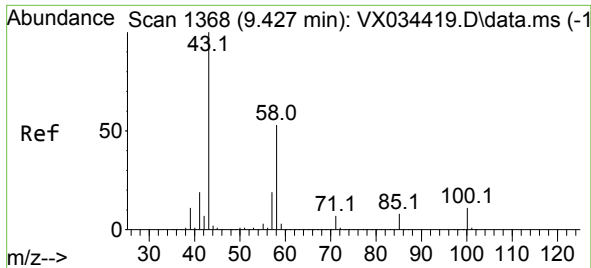
Tgt Ion: 75 Resp: 81137
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.0 37.4#
 39 35.6 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 2.033 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX034607.D
 Acq: 18 Mar 2023 03:19

Tgt Ion: 76 Resp: 10317
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

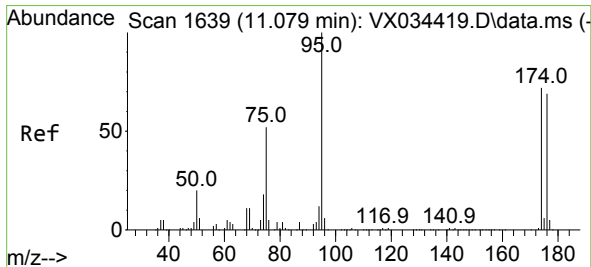
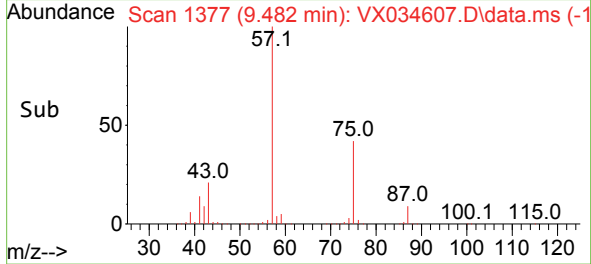
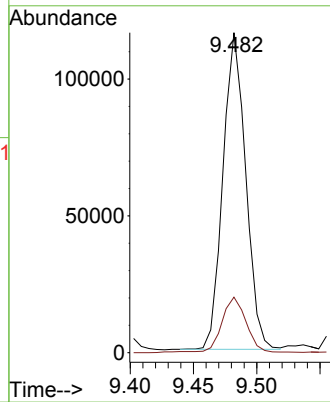
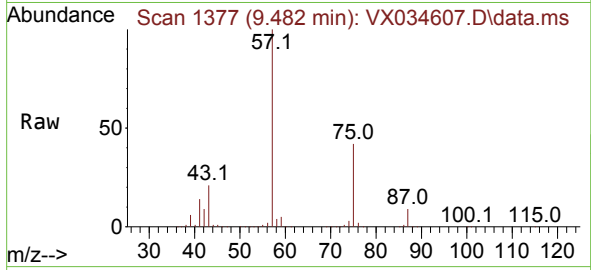




#59
2-Hexanone
Concen: 43.890 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

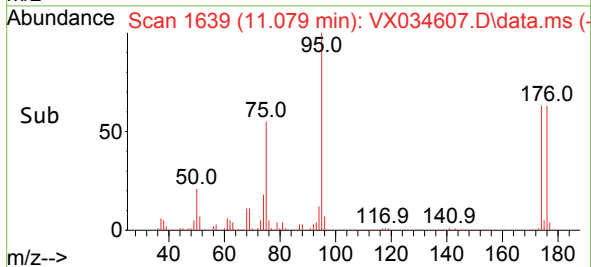
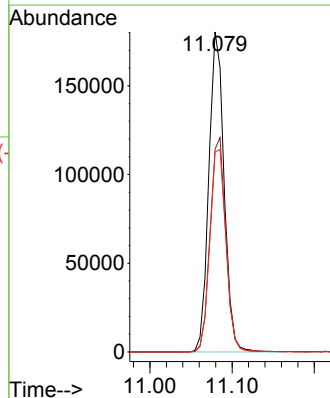
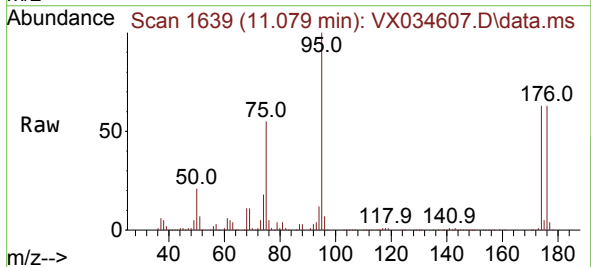
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MSVOA_X
ClientSampleId :
JPP-6C-031423

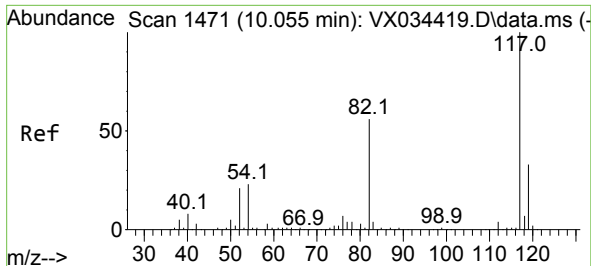
Tgt Ion: 43 Resp: 144734
Ion Ratio Lower Upper
43 100
58 19.2 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 59.603 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 95 Resp: 232498
Ion Ratio Lower Upper
95 100
174 69.2 0.0 147.4
176 66.7 0.0 140.6

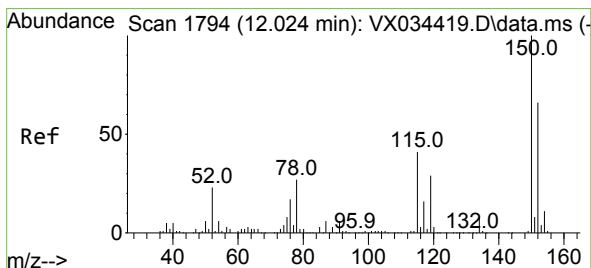
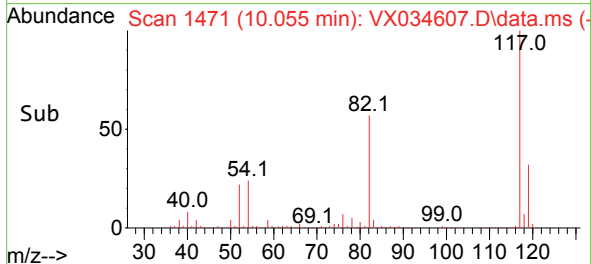
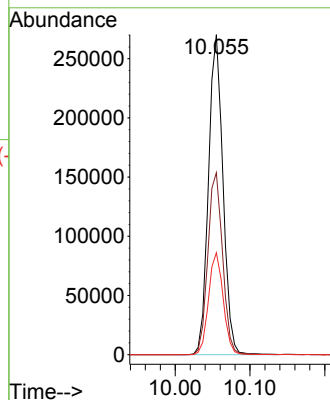
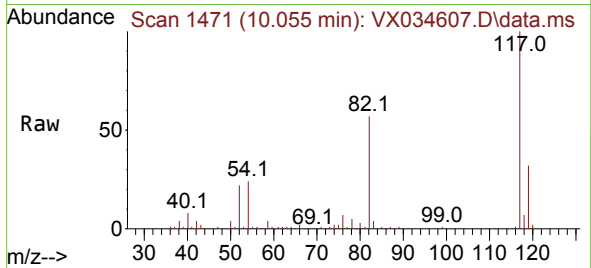




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

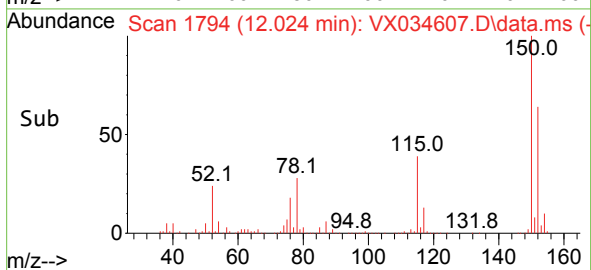
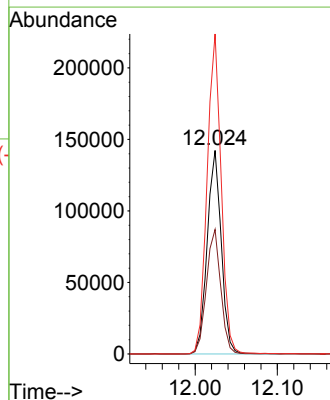
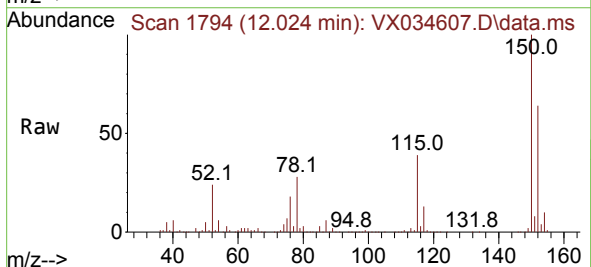
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

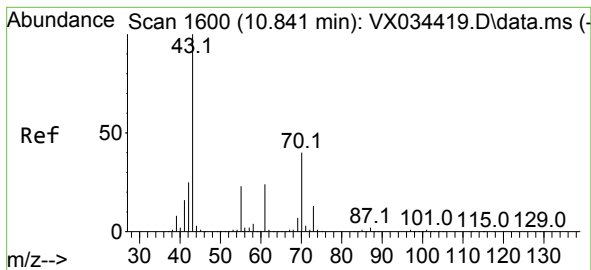
Tgt Ion:117 Resp: 363252
Ion Ratio Lower Upper
117 100
82 56.8 45.0 67.4
119 31.9 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion:152 Resp: 169395
Ion Ratio Lower Upper
152 100
115 62.4 45.0 135.0
150 157.3 0.0 352.4

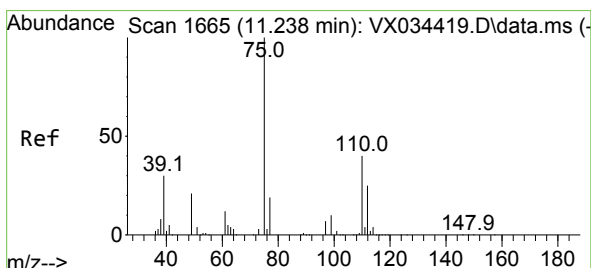
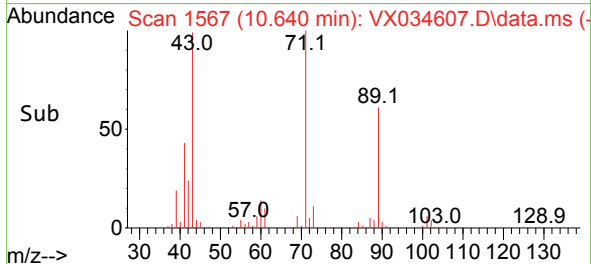
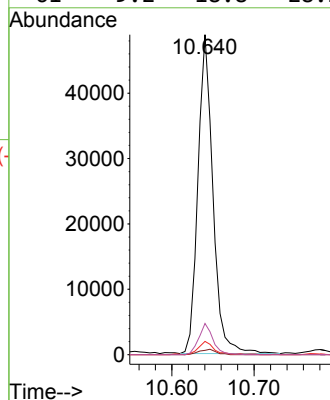
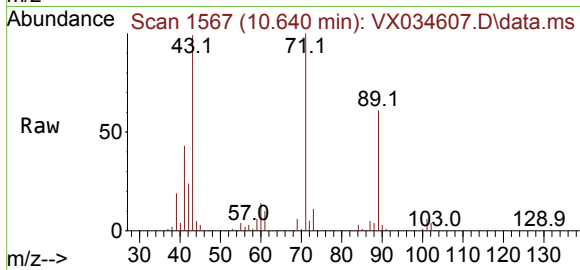




#74
N-ethyl acetate
Concen: 9.864 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

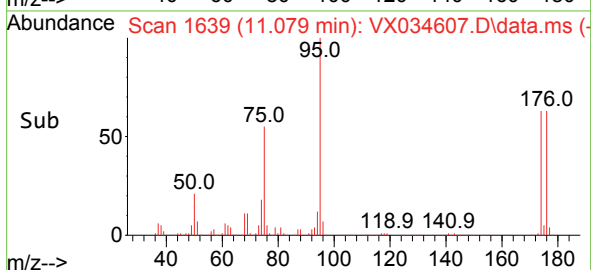
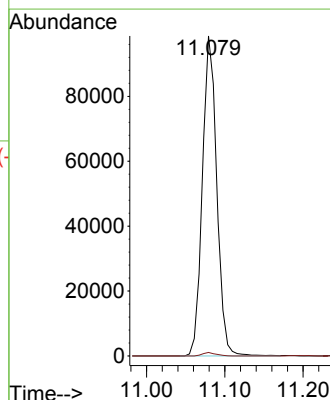
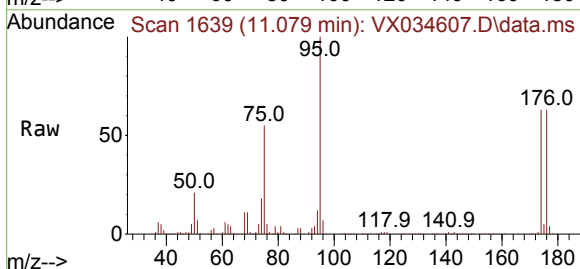
Instrument :
MSVOA_X
ClientSampleId :
JPP-6C-031423

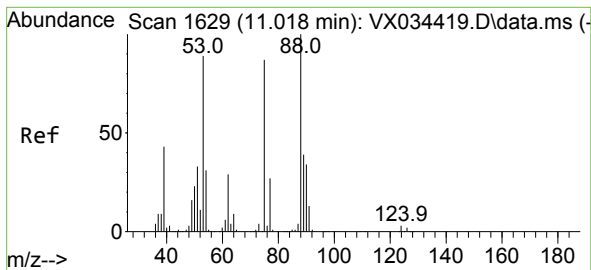
Tgt Ion: 43	Resp: 61857
Ion Ratio	Lower Upper
43	100
70	1.9 32.1 48.1#
55	4.3 18.3 27.5#
61	9.2 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 32.385 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX034607.D
Acq: 18 Mar 2023 03:19

Tgt Ion: 75	Resp: 125963
Ion Ratio	Lower Upper
75	100
77	1.0 21.6 64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.612 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX034607.D
 Acq: 18 Mar 2023 03:19

Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-6C-031423

Tgt Ion: 75 Resp: 125963
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

