

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033970.D
 Acq On : 31 Jan 2023 14:41
 Operator : JC/MD
 Sample : 01358-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

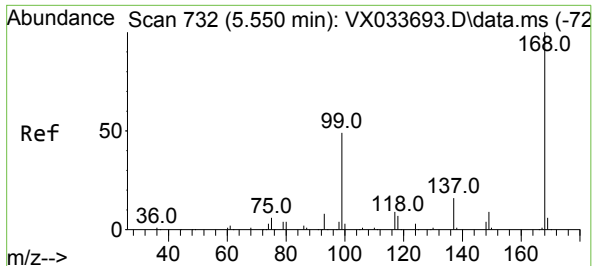
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-5-012723

Quant Time: Feb 01 02:12:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	159585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228944	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75852	45.142	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.280%
35) Dibromofluoromethane	5.385	113	68720	48.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.680%
50) Toluene-d8	8.647	98	262534	50.685	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.360%
62) 4-Bromofluorobenzene	11.079	95	89922	46.758	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	715	2.449	ug/l #	86
16) Acetone	2.373	43	13836	10.805	ug/l	97
17) Carbon Disulfide	2.508	76	118	1.857	ug/l #	76
18) Methyl Acetate	2.703	43	1801	0.768	ug/l	100
20) Methylene Chloride	2.794	84	3530	Below Cal		89
25) 2-Butanone	4.562	43	2599	2.367	ug/l	92
29) Tetrahydrofuran	5.038	42	439	0.634	ug/l #	56
31) Cyclohexane	5.550	56	2308	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9277	4.471	ug/l #	48
37) Ethyl Acetate	4.715	43	20955	8.195	ug/l	98
38) Carbon Tetrachloride	5.550	117	13212	6.148	ug/l #	15
42) 1,2-Dichloroethane	6.342	62	482	0.225	ug/l #	73
43) Isopropyl Acetate	6.336	43	90285	27.564	ug/l	98
48) Methyl methacrylate	7.793	41	76849	46.576	ug/l #	44
49) 1,4-Dioxane	7.787	88	106	2.904	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65581	32.601	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	617	0.303	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32330	14.148	ug/l #	59
56) Ethyl methacrylate	9.250	69	560	0.257	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4442	1.772	ug/l #	43
59) 2-Hexanone	9.482	43	55799	39.853	ug/l #	51
73) Isopropylbenzene	11.079	105	79	Below Cal	#	48
74) N-amyl acetate	10.640	43	18452	7.138	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	42273	23.372	ug/l #	34
79) 2-Chlorotoluene	11.457	91	60	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	42273	72.638	ug/l #	8
82) 4-Chlorotoluene	11.457	91	60	Below Cal	#	43

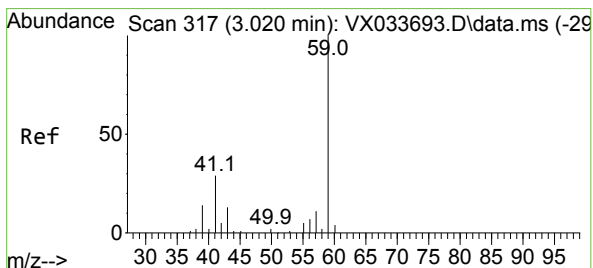
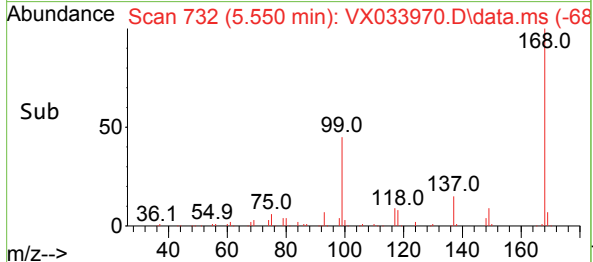
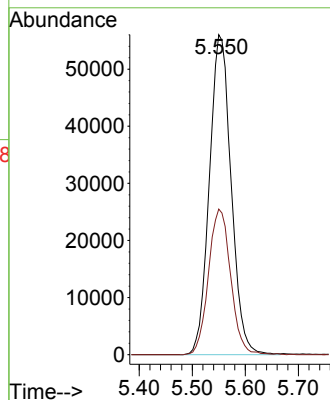
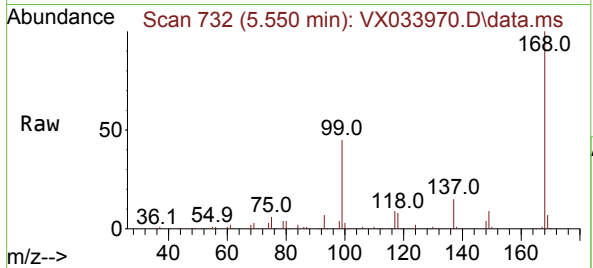
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

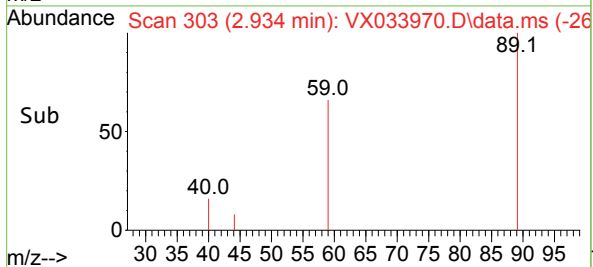
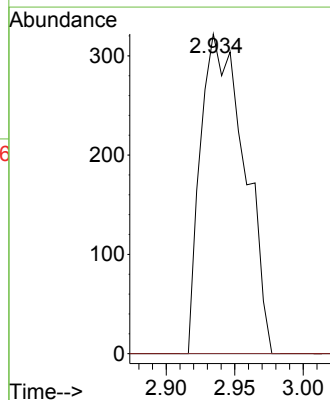
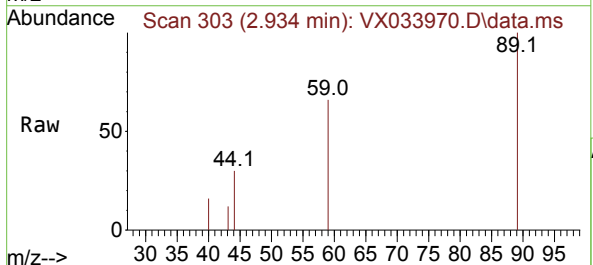
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

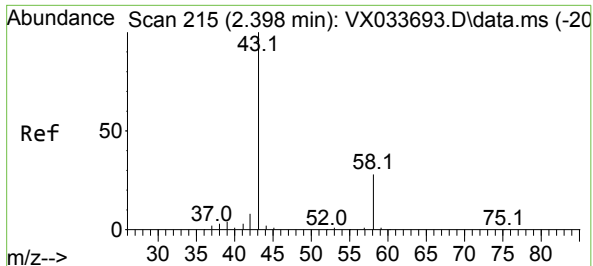
Tgt Ion:168 Resp: 159585
Ion Ratio Lower Upper
168 100
99 45.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 2.449 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.085 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 59 Resp: 715
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

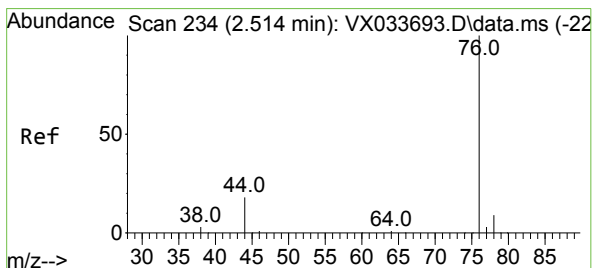
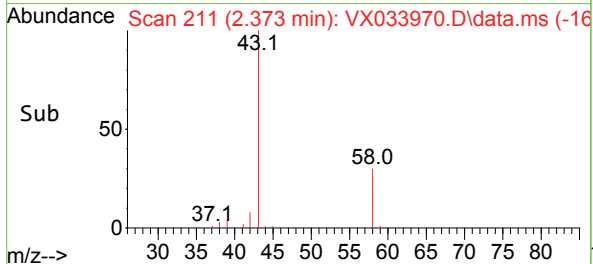
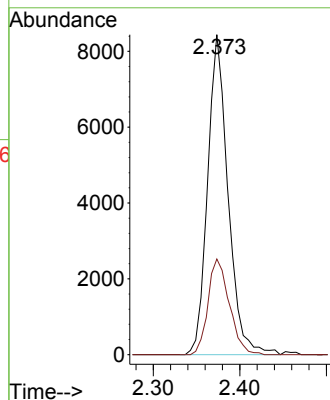
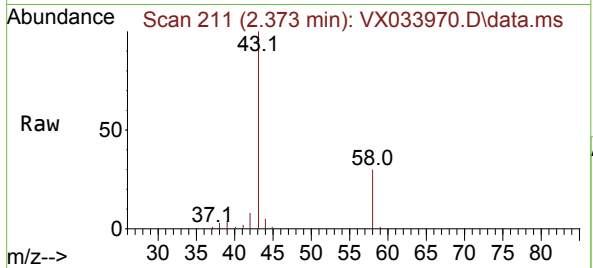




#16
Acetone
Concen: 10.805 ug/l
RT: 2.373 min Scan# 215
Delta R.T. -0.025 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

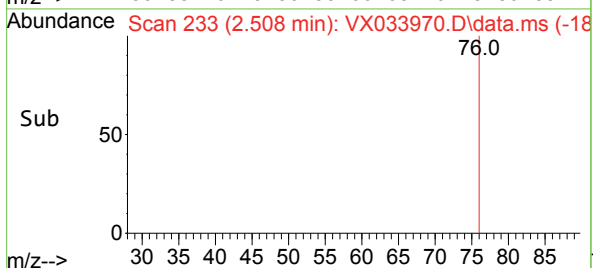
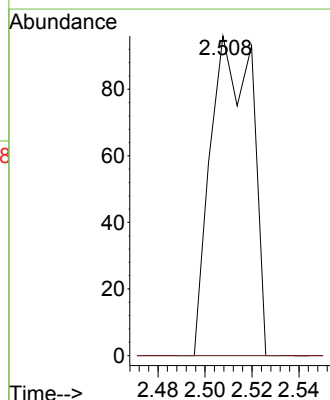
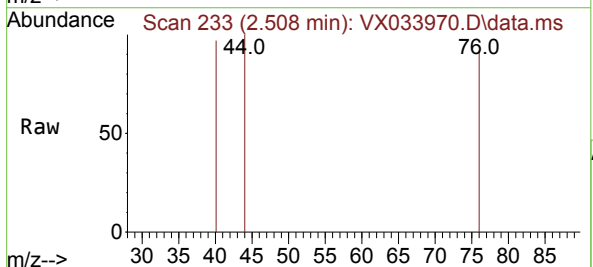
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

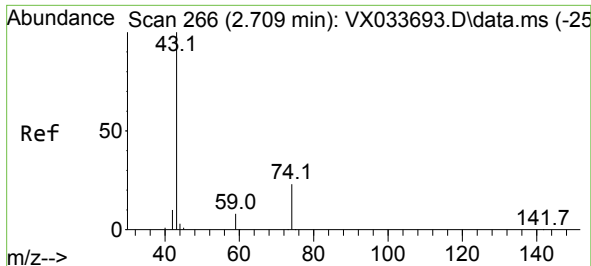
Tgt Ion: 43 Resp: 13836
Ion Ratio Lower Upper
43 100
58 29.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.857 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 76 Resp: 118
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.768 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

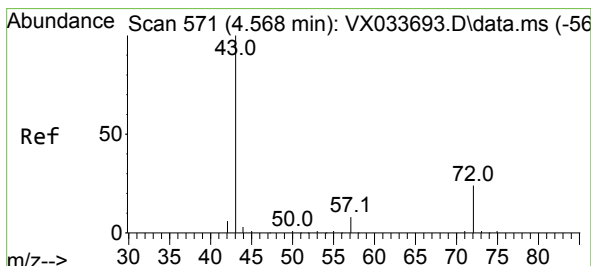
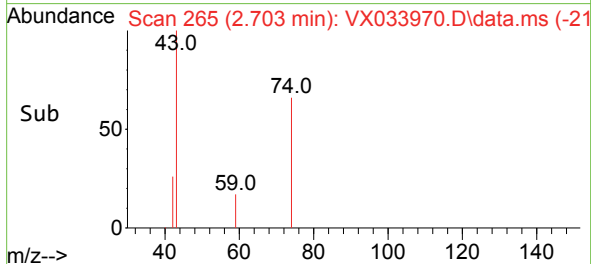
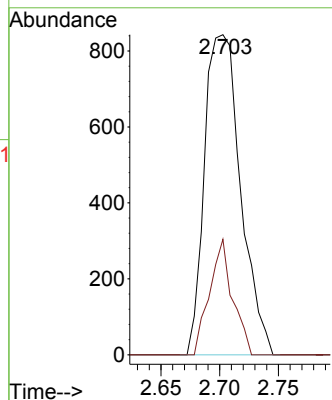
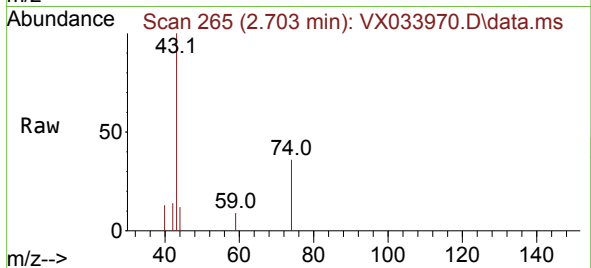
JPP-5-012723

Tgt Ion: 43 Resp: 1801

Ion Ratio Lower Upper

43 100

74 23.0 18.2 27.4



#25

2-Butanone

Concen: 2.367 ug/l

RT: 4.562 min Scan# 570

Delta R.T. -0.006 min

Lab File: VX033970.D

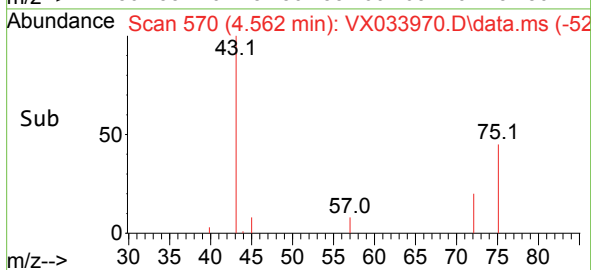
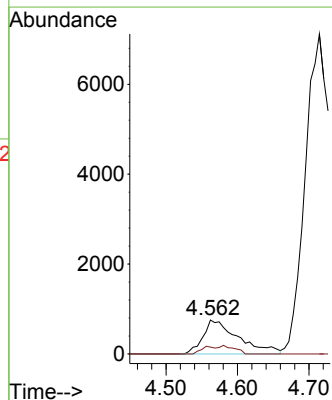
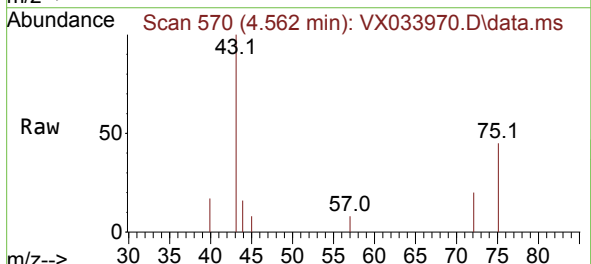
Acq: 31 Jan 2023 14:41

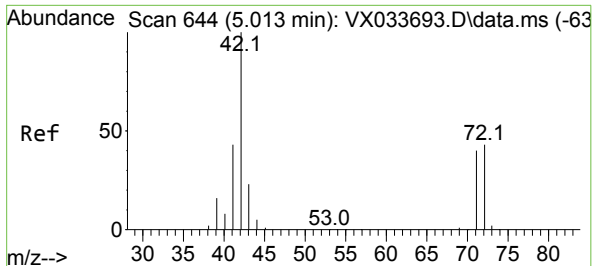
Tgt Ion: 43 Resp: 2599

Ion Ratio Lower Upper

43 100

72 20.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.634 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

JPP-5-012723

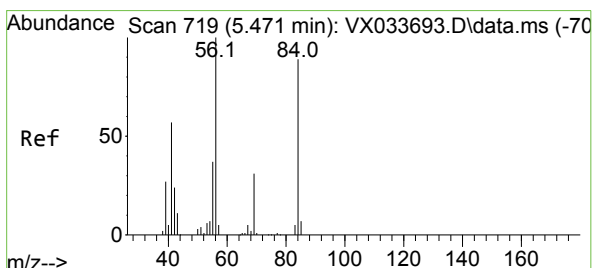
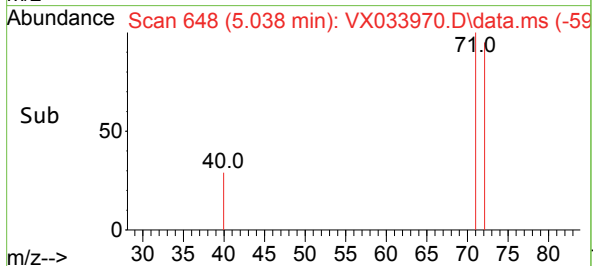
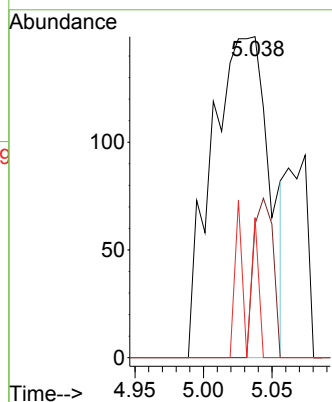
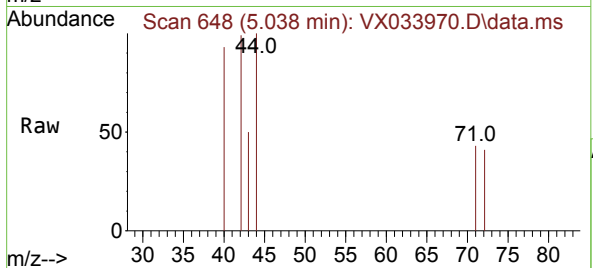
Tgt Ion: 42 Resp: 439

Ion Ratio Lower Upper

42 100

72 16.4 34.8 52.2#

71 11.4 32.2 48.2#



#31

Cyclohexane

Concen: 0.933 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

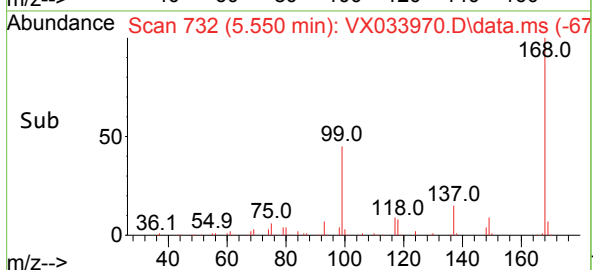
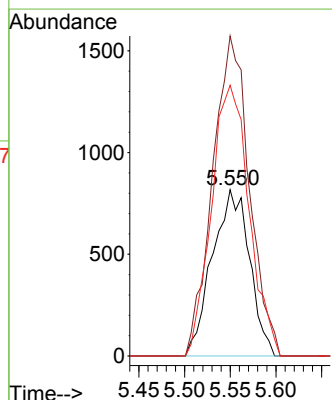
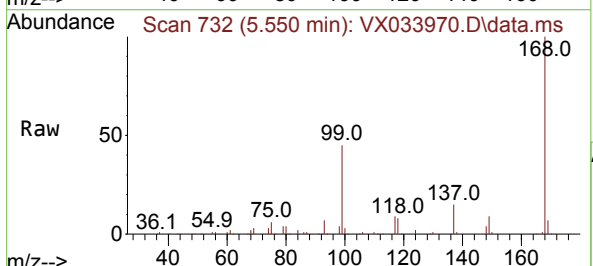
Tgt Ion: 56 Resp: 2308

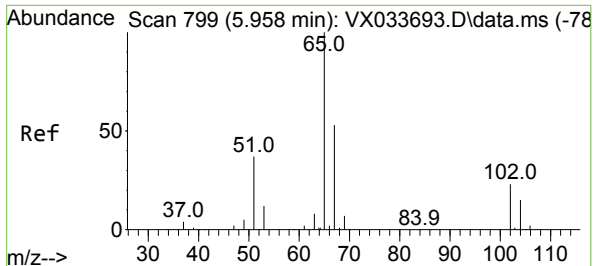
Ion Ratio Lower Upper

56 100

69 192.5 24.6 37.0#

84 162.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 45.142 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

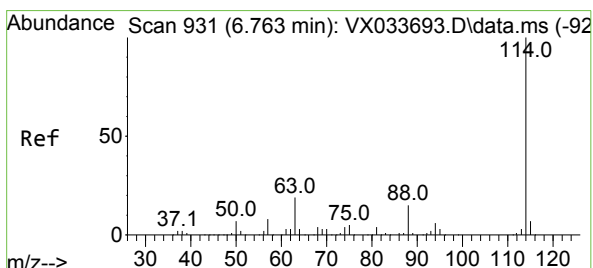
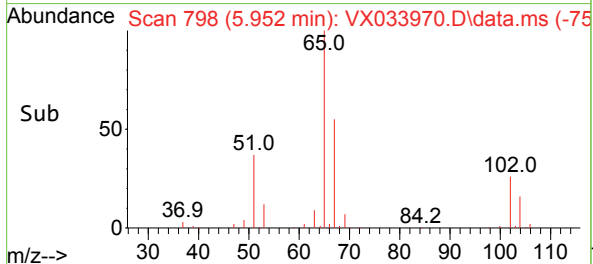
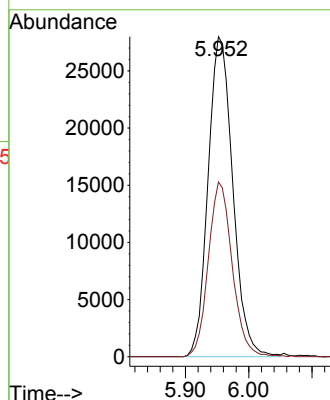
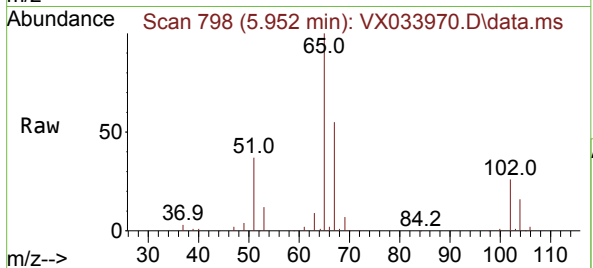
JPP-5-012723

Tgt Ion: 65 Resp: 75852

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

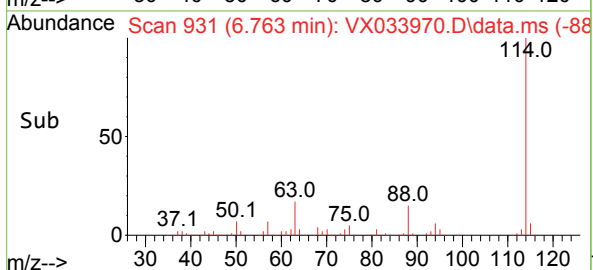
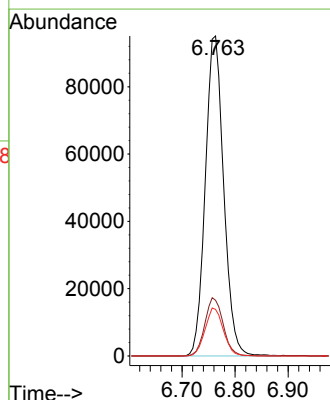
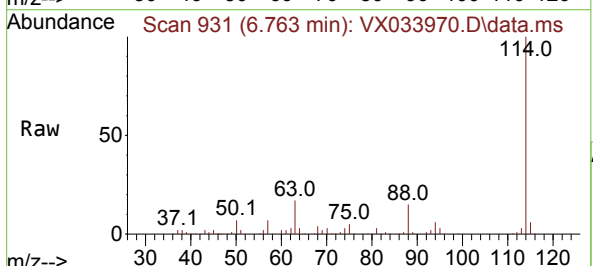
Tgt Ion:114 Resp: 228944

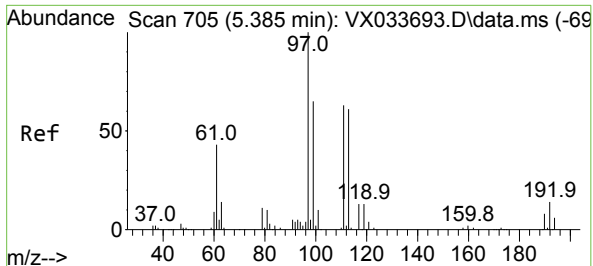
Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.4

88 14.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.339 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033970.D

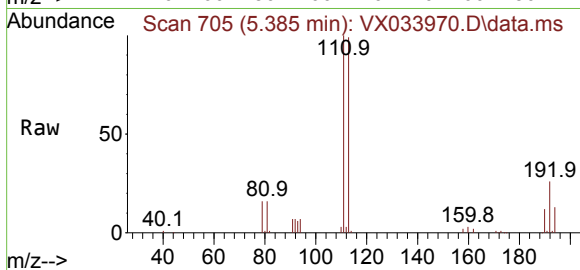
Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

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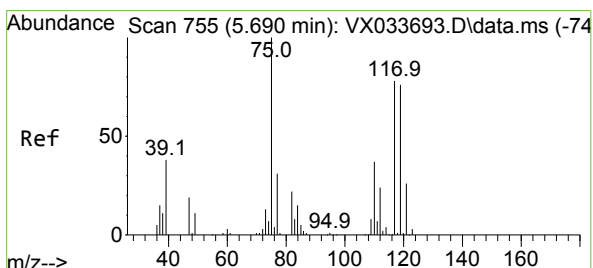
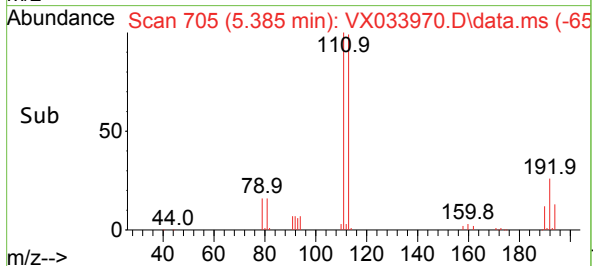
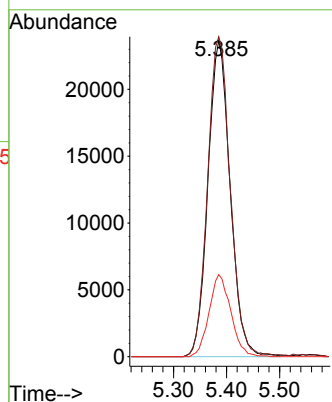
Tgt Ion:113 Resp: 68720

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

192 25.5 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.471 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

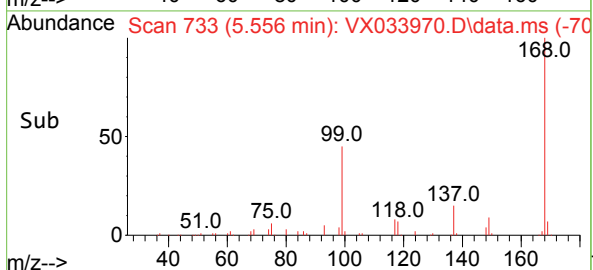
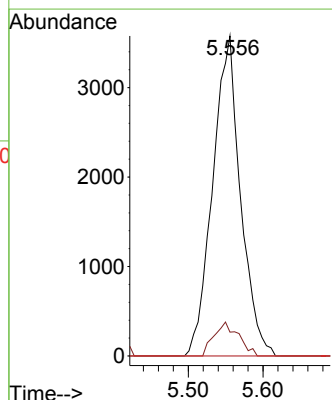
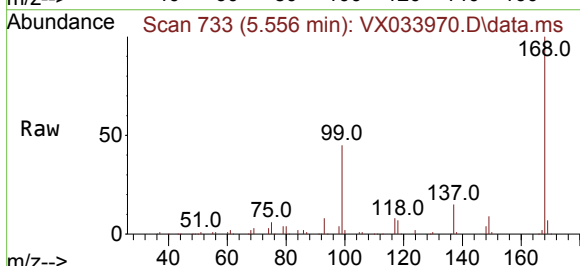
Tgt Ion: 75 Resp: 9277

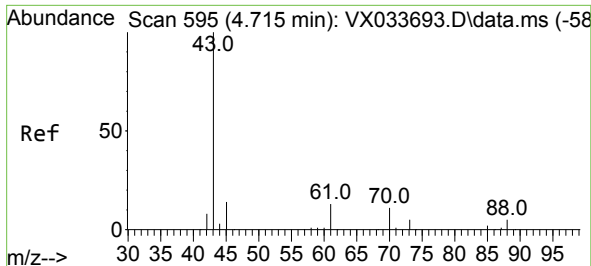
Ion Ratio Lower Upper

75 100

110 9.3 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.195 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

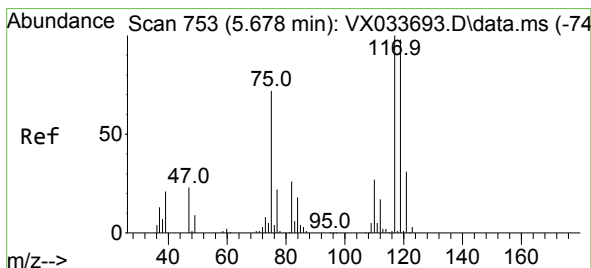
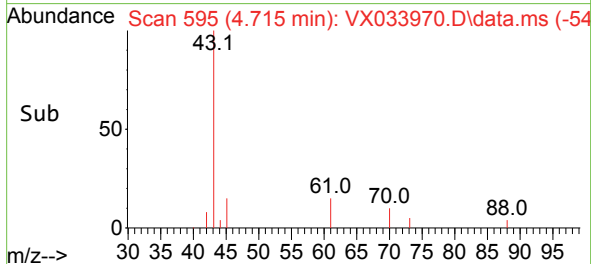
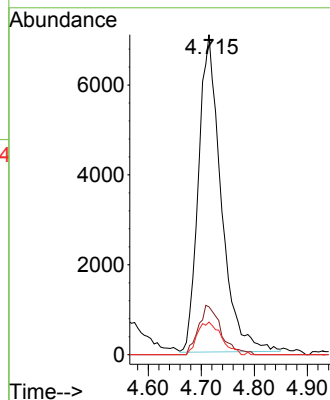
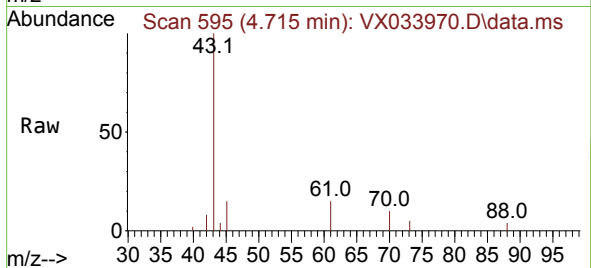
Instrument :

MSVOA_X

ClientSampleId :

JPP-5-012723

Tgt Ion:	43	Resp:	20955
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.1	16.7
70	10.8	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.148 ug/l

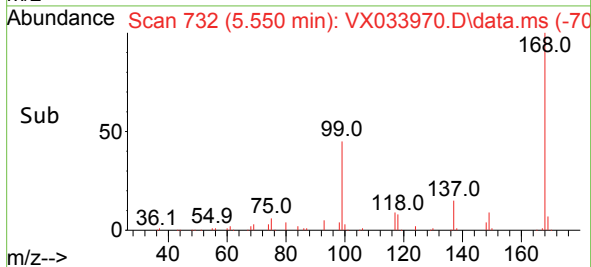
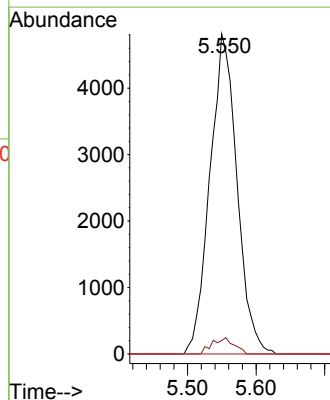
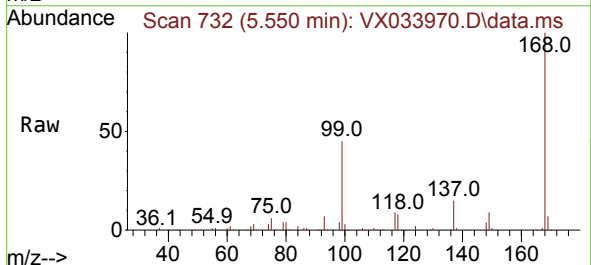
RT: 5.550 min Scan# 732

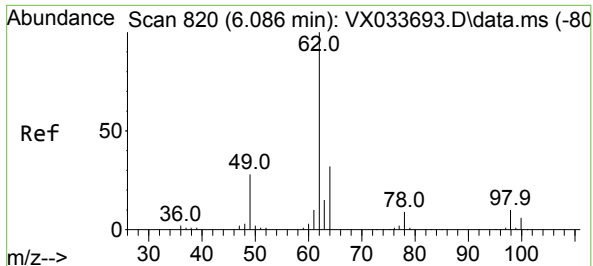
Delta R.T. -0.128 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Tgt Ion:	117	Resp:	13212
Ion	Ratio	Lower	Upper
117	100		
119	4.2	78.0	117.0#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.225 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.256 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

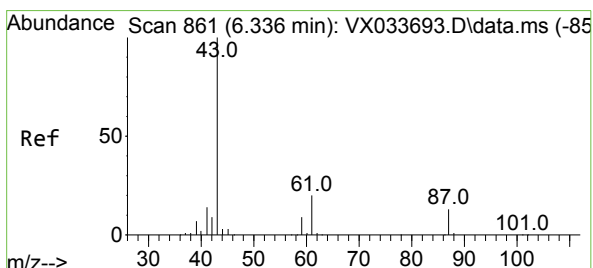
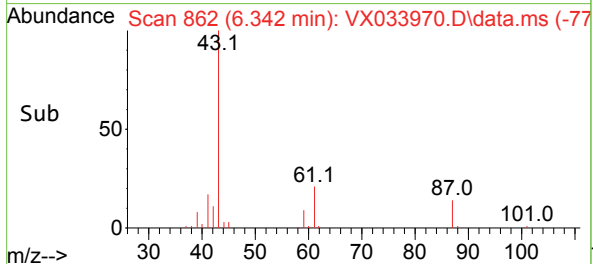
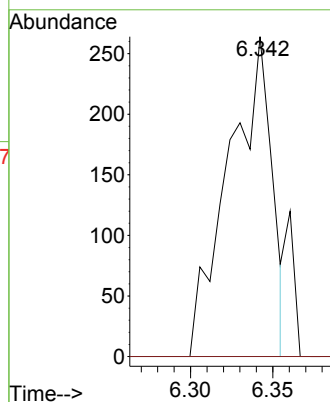
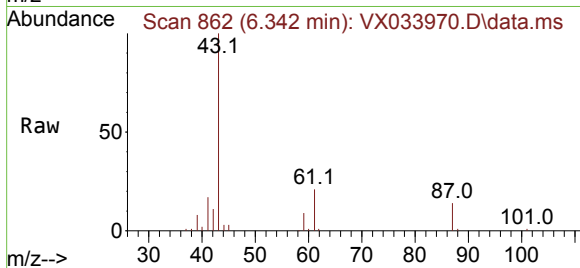
JPP-5-012723

Tgt Ion: 62 Resp: 482

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 27.564 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

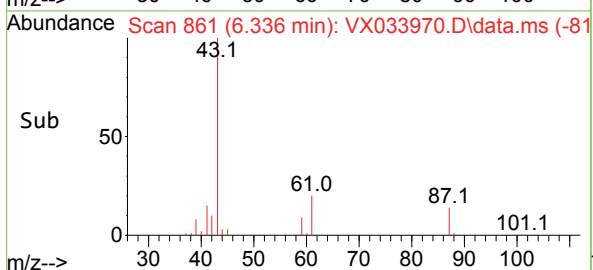
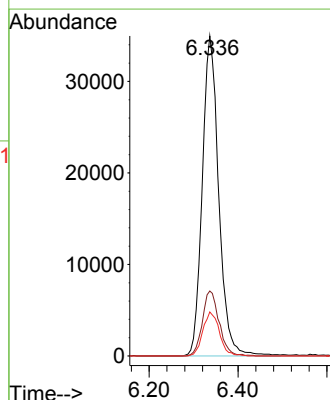
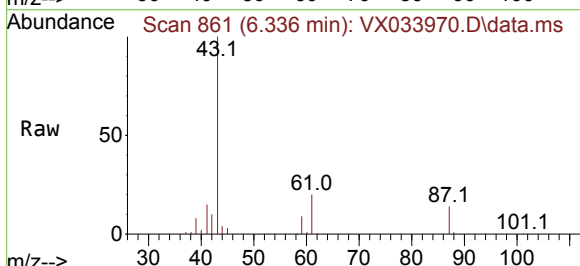
Tgt Ion: 43 Resp: 90285

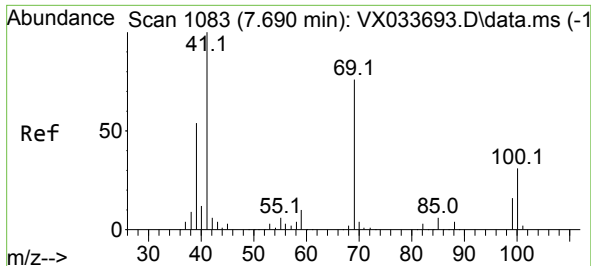
Ion Ratio Lower Upper

43 100

61 20.6 15.7 23.5

87 13.8 10.6 15.8

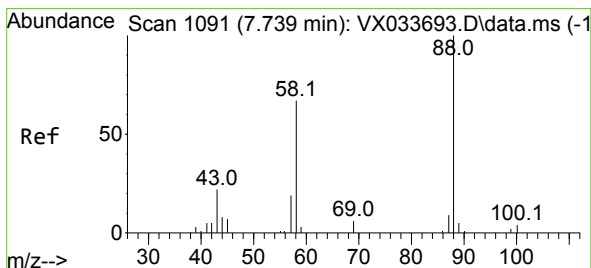
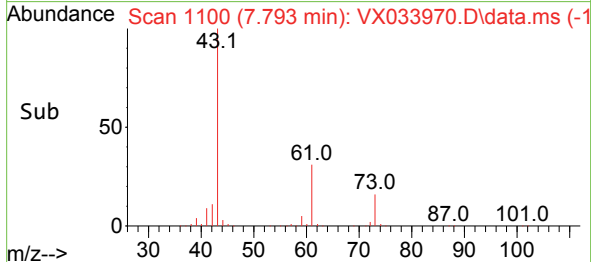
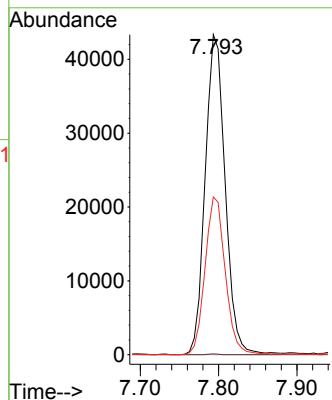
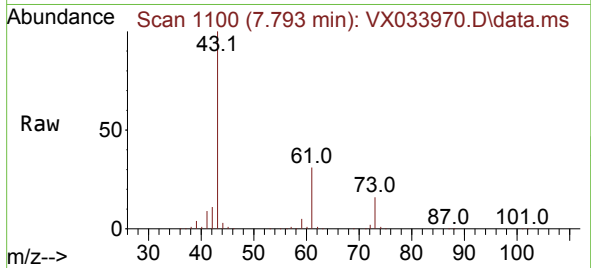




#48
Methyl methacrylate
Concen: 46.576 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.103 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

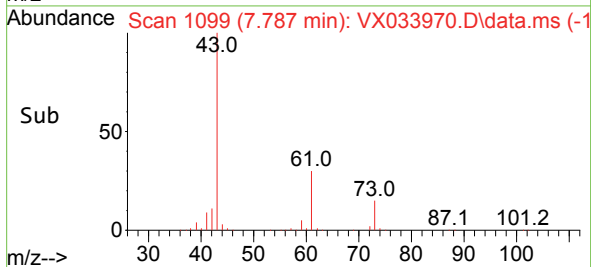
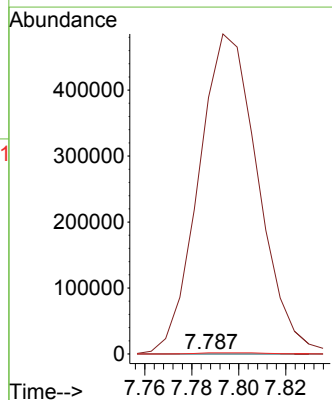
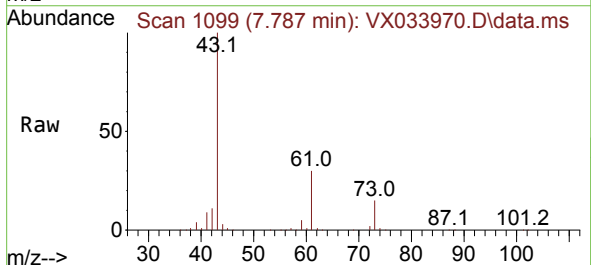
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

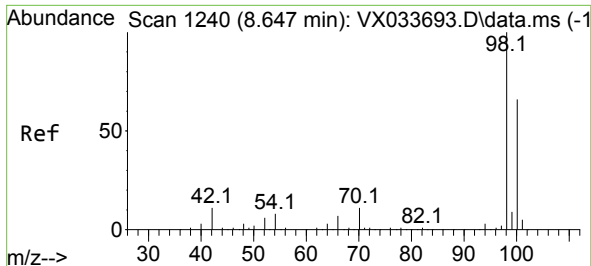
Tgt Ion: 41 Resp: 76849
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 49.9 43.2 64.8



#49
1,4-Dioxane
Concen: 2.904 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.049 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 88 Resp: 106
Ion Ratio Lower Upper
88 100
43 814048.1 0.0 0.0#
58 3422.6 56.5 84.7#

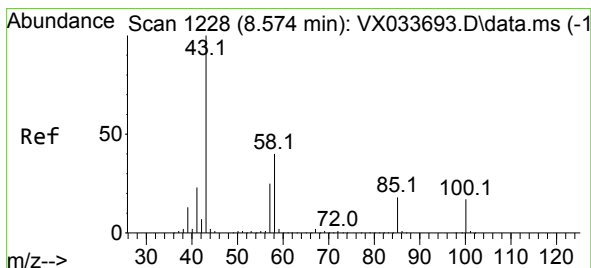
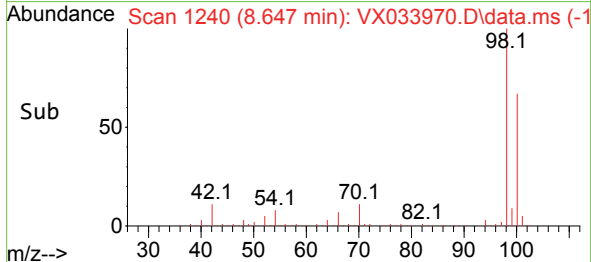
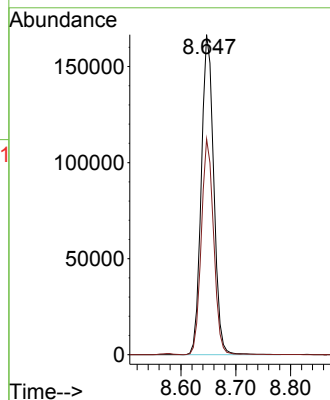
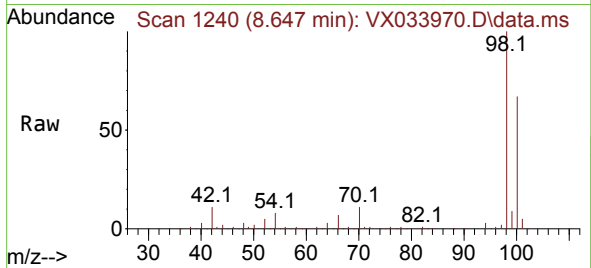




#50
Toluene-d8
Concen: 50.685 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

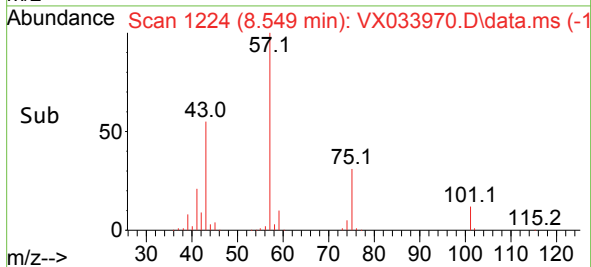
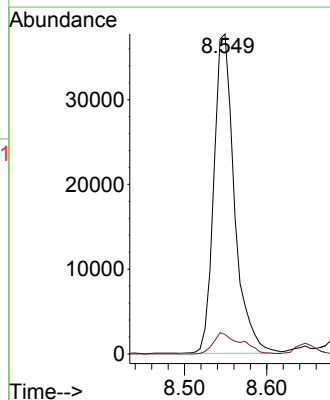
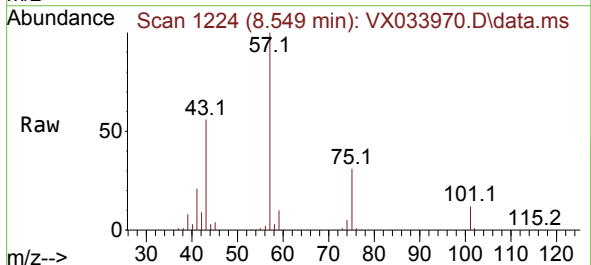
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

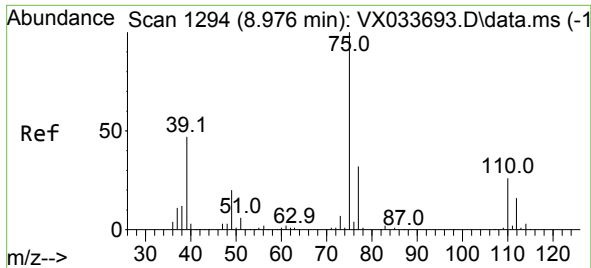
Tgt Ion: 98 Resp: 262534
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 32.601 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 43 Resp: 65581
Ion Ratio Lower Upper
43 100
58 8.9 31.2 46.8#

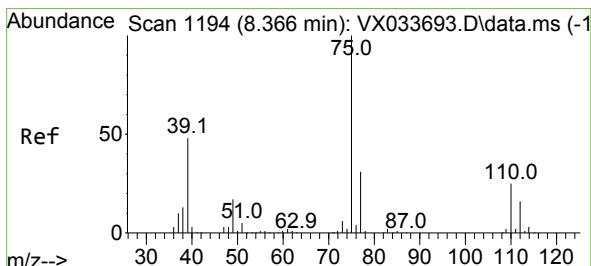
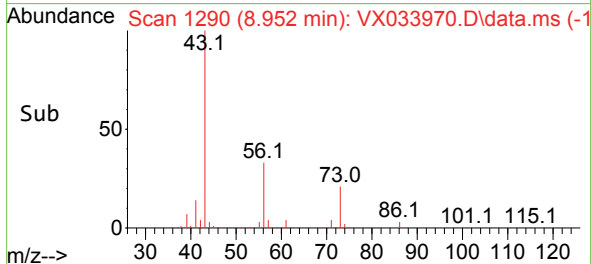
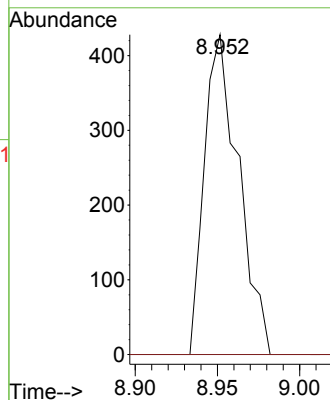
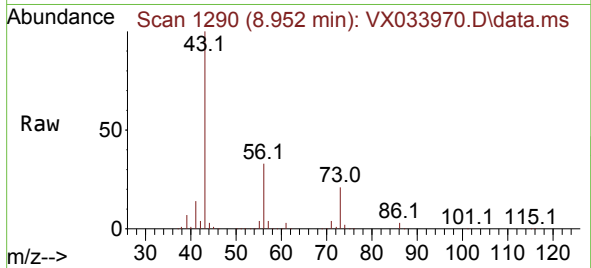




#53
 t-1,3-Dichloropropene
 Concen: 0.303 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX033970.D
 Acq: 31 Jan 2023 14:41

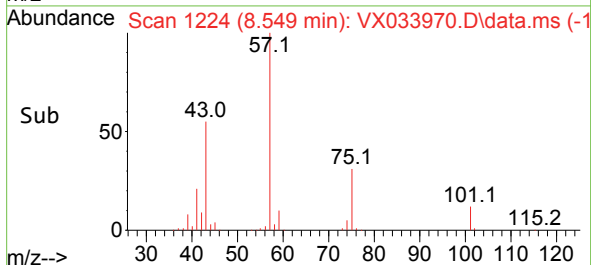
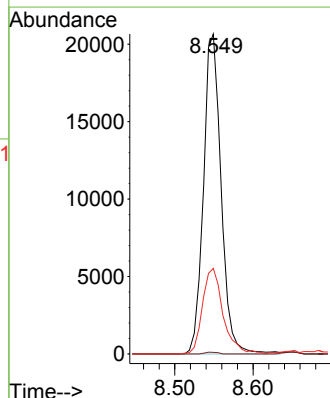
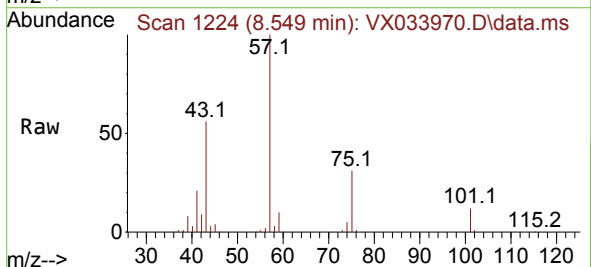
Instrument :
 MSVOA_X
 ClientSampleId :
 JPP-5-012723

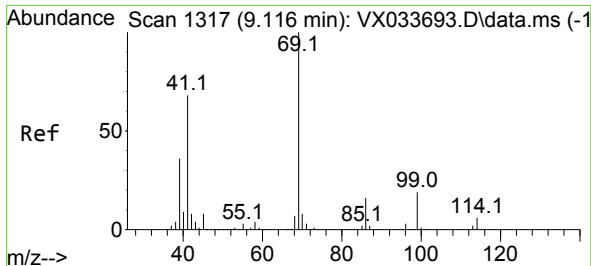
Tgt Ion: 75 Resp: 617
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 14.148 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033970.D
 Acq: 31 Jan 2023 14:41

Tgt Ion: 75 Resp: 32330
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 26.8 38.6 58.0#

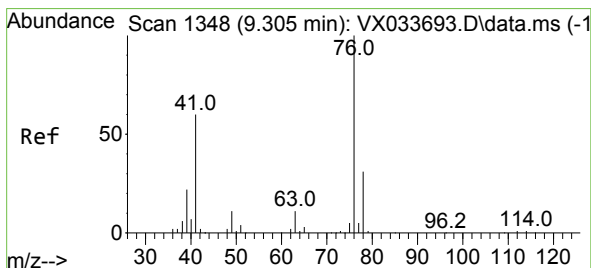
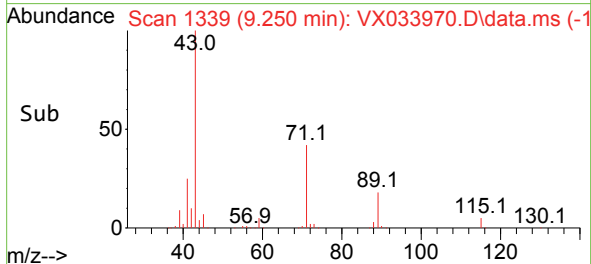
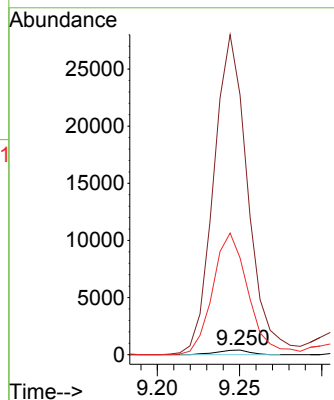
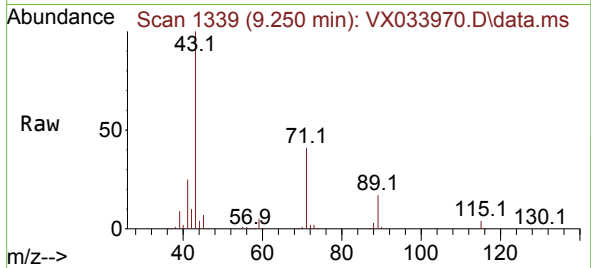




#56
Ethyl methacrylate
Concen: 0.257 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

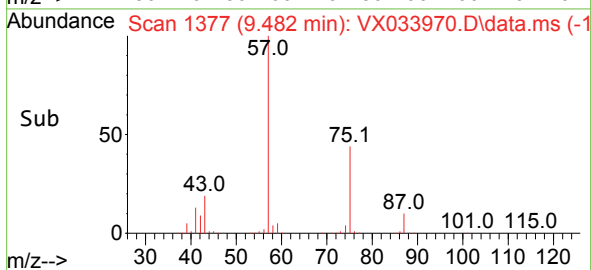
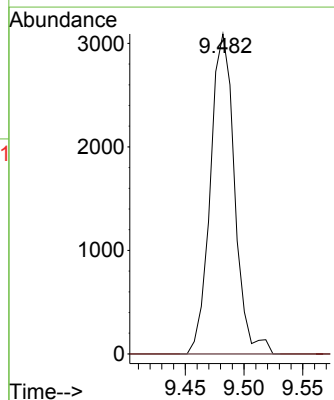
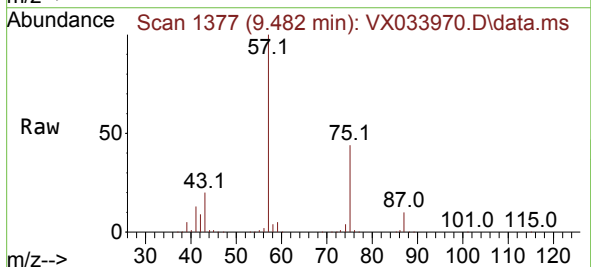
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

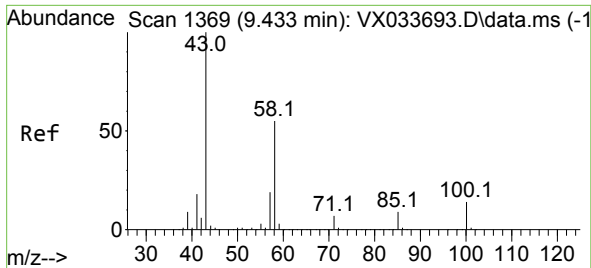
Tgt Ion: 69 Resp: 560
Ion Ratio Lower Upper
69 100
41 7270.2 55.1 82.7#
39 2859.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.772 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 76 Resp: 4442
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

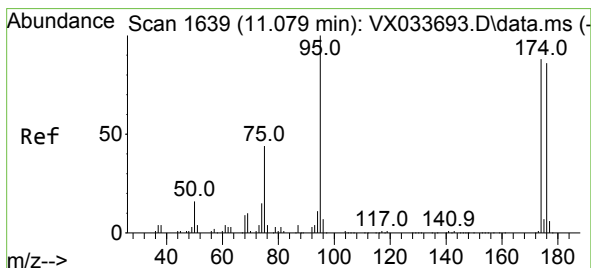
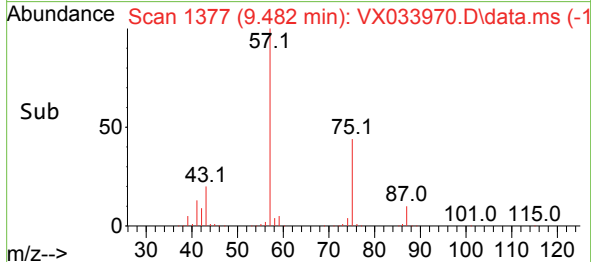
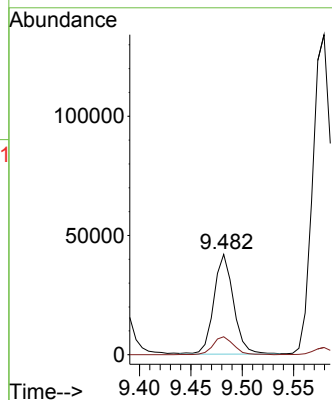
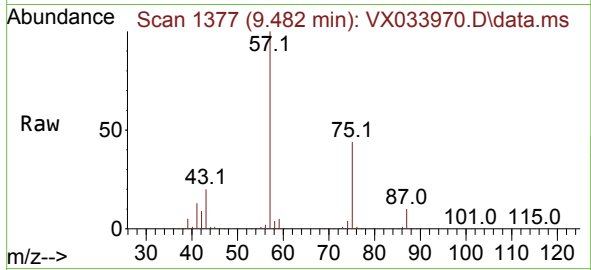




#59
2-Hexanone
Concen: 39.853 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

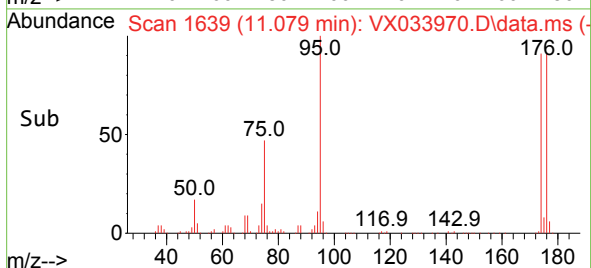
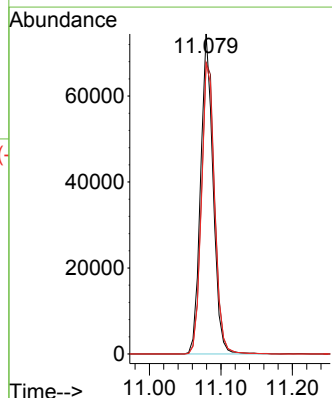
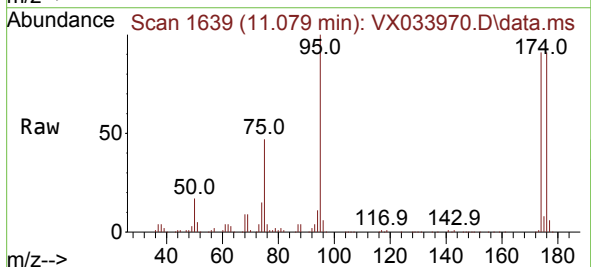
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

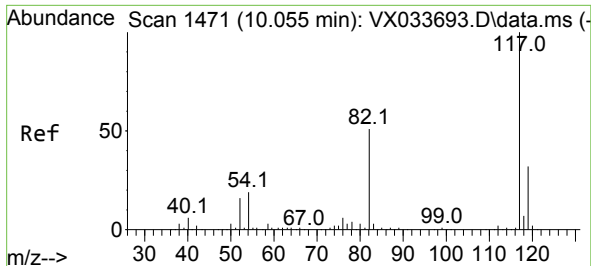
Tgt Ion: 43 Resp: 55799
Ion Ratio Lower Upper
43 100
58 19.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 46.758 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 95 Resp: 89922
Ion Ratio Lower Upper
95 100
174 97.7 0.0 184.4
176 95.4 0.0 178.8

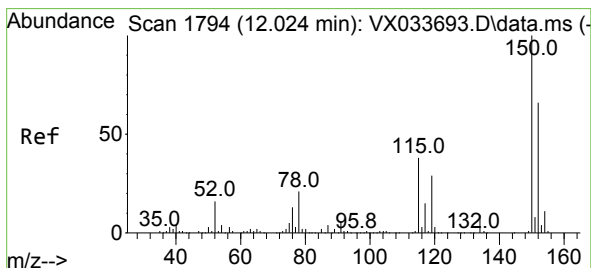
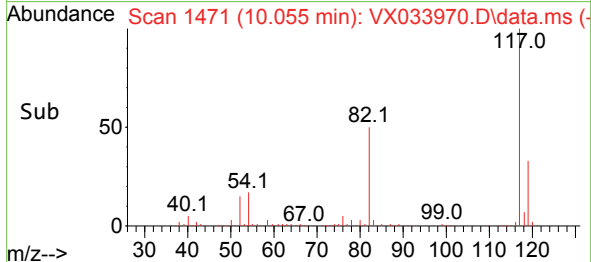
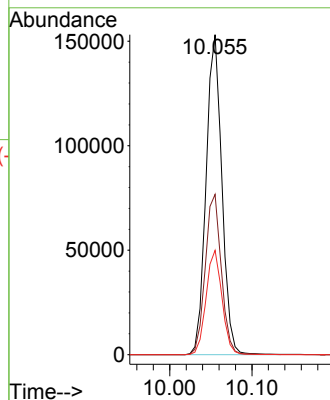
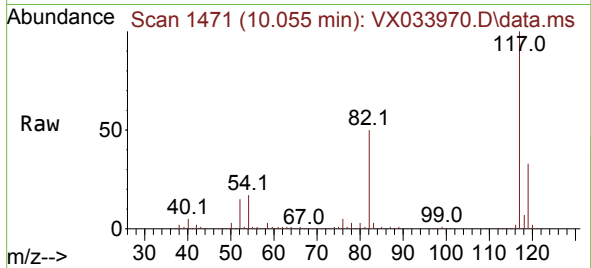




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

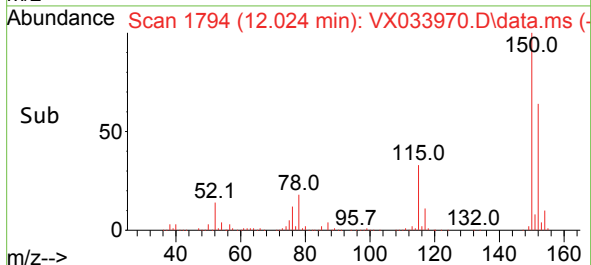
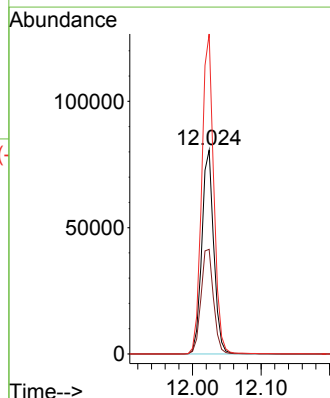
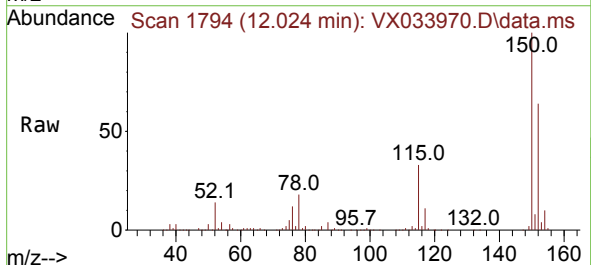
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

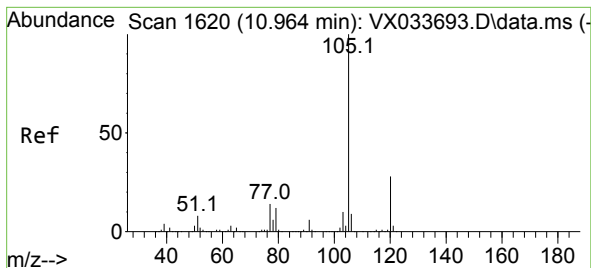
Tgt Ion:117 Resp: 204145
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion:152 Resp: 98440
Ion Ratio Lower Upper
152 100
115 53.7 38.7 116.1
150 157.4 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1

Delta R.T. 0.115 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

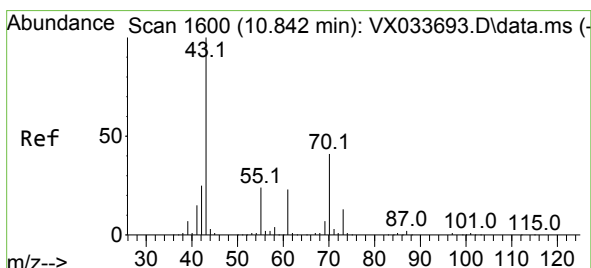
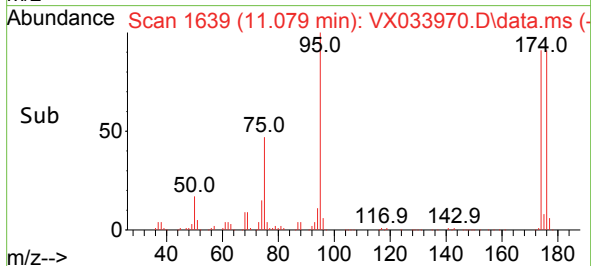
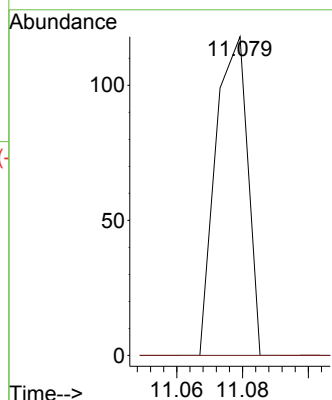
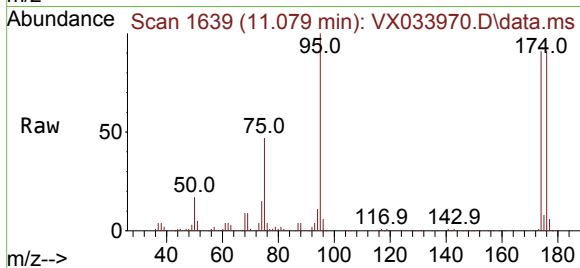
JPP-5-012723

Tgt Ion:105 Resp: 79

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 7.138 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033970.D

Acq: 31 Jan 2023 14:41

Tgt Ion: 43 Resp: 18452

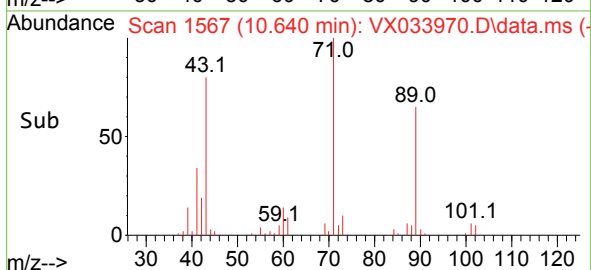
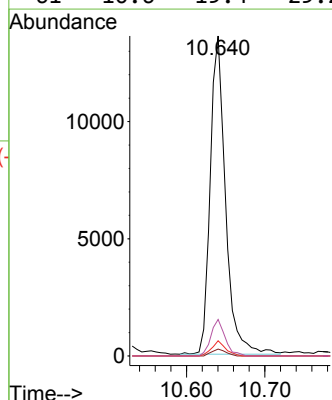
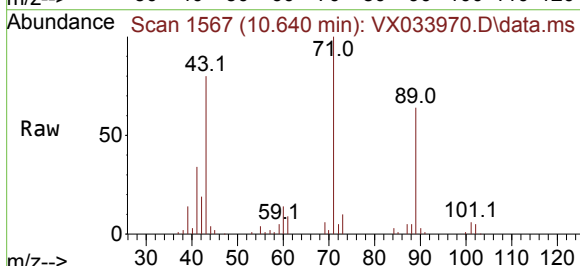
Ion Ratio Lower Upper

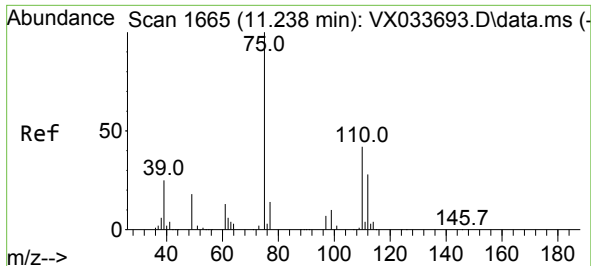
43 100

70 2.0 34.8 52.2#

55 4.3 19.4 29.0#

61 10.6 19.4 29.2#

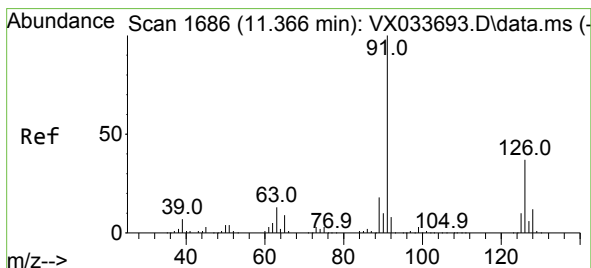
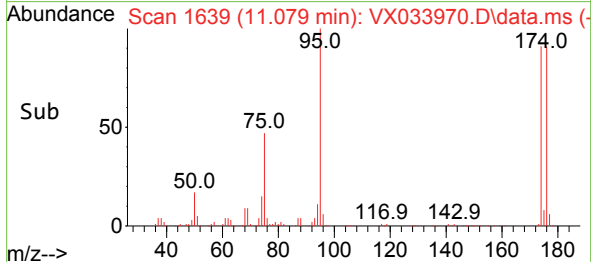
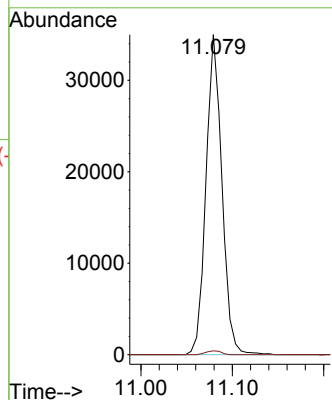
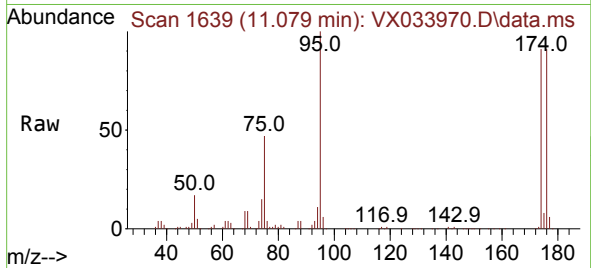




#76
1,2,3-Trichloropropane
Concen: 23.372 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

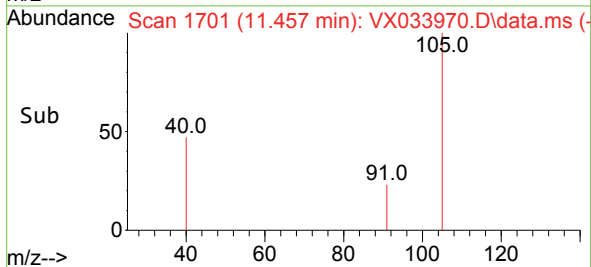
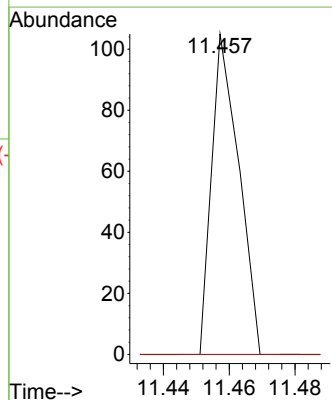
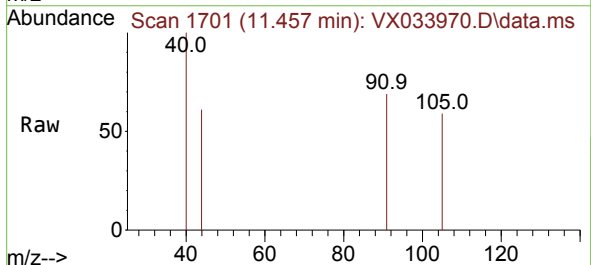
Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

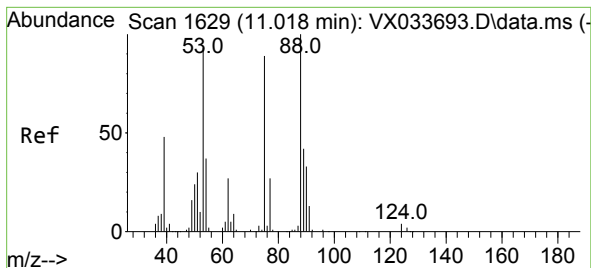
Tgt Ion: 75 Resp: 42273
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 1701
Delta R.T. 0.091 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

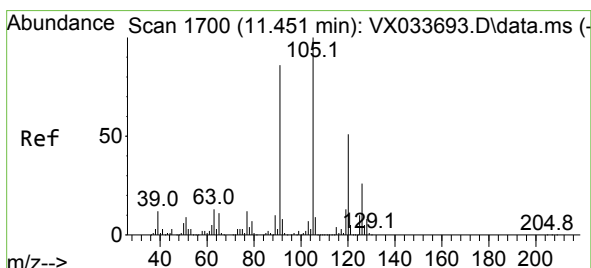
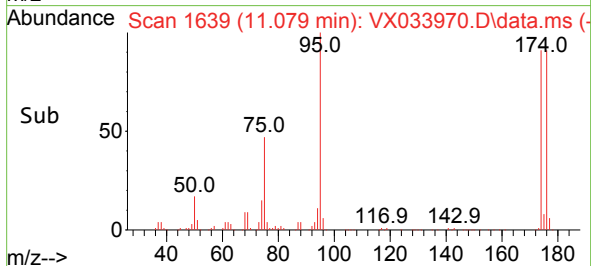
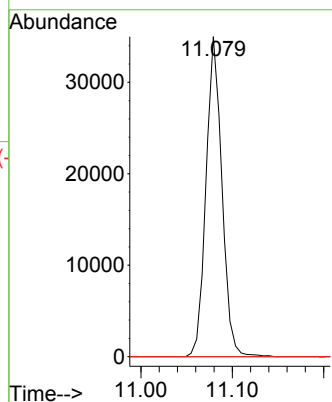
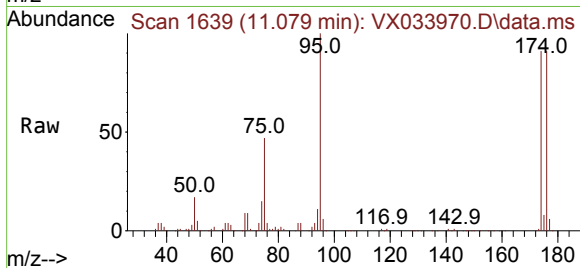




#81
trans-1,4-Dichloro-2-butene
Concen: 72.638 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033970.D
Acq: 31 Jan 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :
JPP-5-012723

Tgt Ion: 75 Resp: 42273
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: VX033970.D
Acq: 31 Jan 2023 14:41

Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

