

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013123\
 Data File : VX033971.D
 Acq On : 31 Jan 2023 15:04
 Operator : JC/MD
 Sample : 01360-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WC

Quant Time: Feb 01 02:13:21 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)

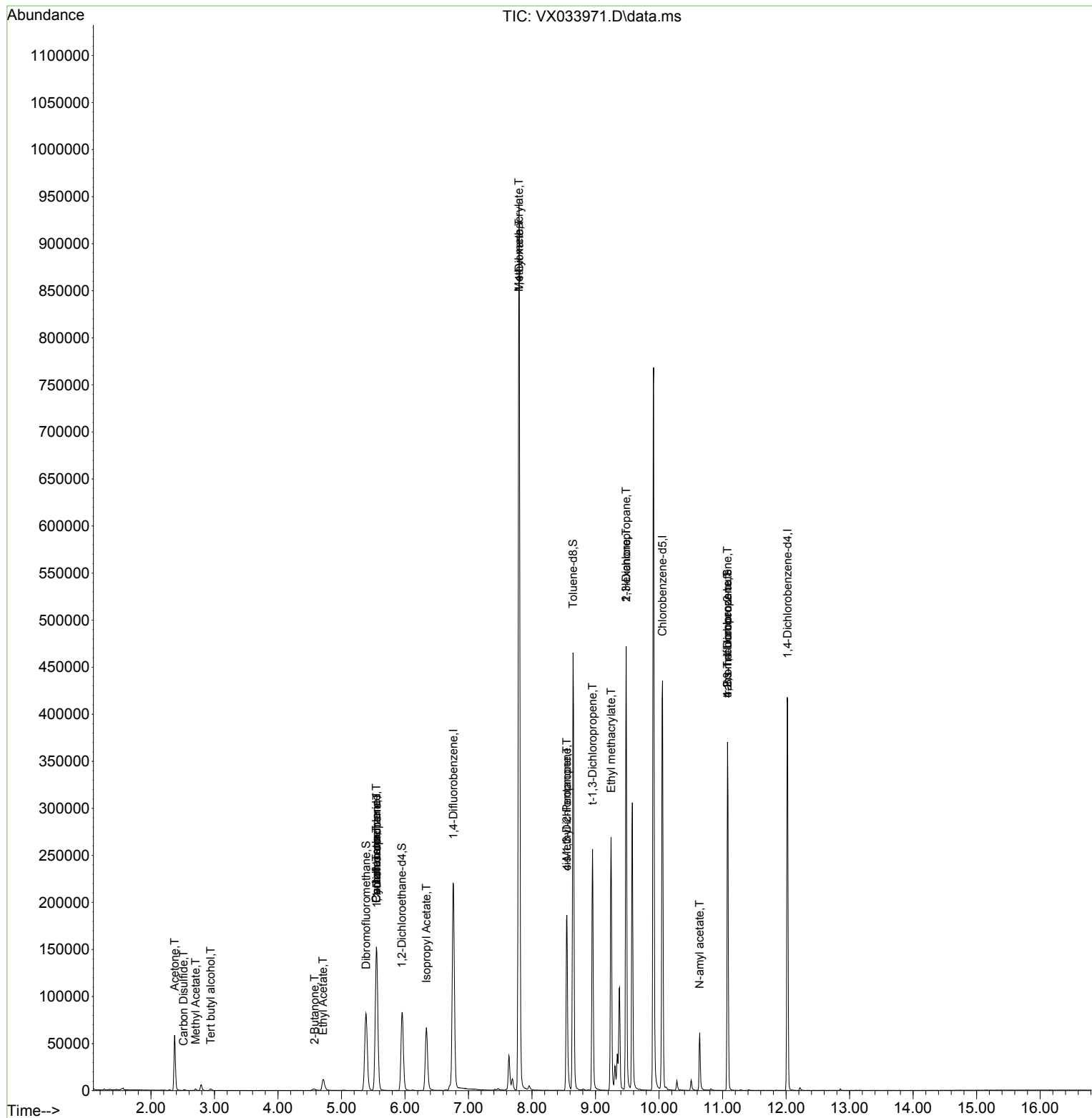
Internal Standards						
1) Pentafluorobenzene	5.550	168	165272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	239865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79367	45.609	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.220%
35) Dibromofluoromethane	5.385	113	72862	48.919	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.840%
50) Toluene-d8	8.647	98	273356	50.371	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.740%
62) 4-Bromofluorobenzene	11.079	95	95017	47.158	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.320%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1074	3.553	ug/l #	86
16) Acetone	2.374	43	61825	89.825	ug/l	93
17) Carbon Disulfide	2.514	76	56	1.838	ug/l #	76
18) Methyl Acetate	2.703	43	2030	0.836	ug/l	100
20) Methylene Chloride	2.794	84	3120	Below Cal	#	79
25) 2-Butanone	4.574	43	2733	2.404	ug/l	95
31) Cyclohexane	5.550	56	2375	0.927	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9444	4.345	ug/l #	49
37) Ethyl Acetate	4.709	43	21648	8.039	ug/l	98
38) Carbon Tetrachloride	5.550	117	14008	6.222	ug/l #	16
43) Isopropyl Acetate	6.336	43	93071	27.121	ug/l	99
48) Methyl methacrylate	7.793	41	78642	45.493	ug/l #	44
49) 1,4-Dioxane	7.799	88	87	2.275	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67253	31.910	ug/l #	51
53) t-1,3-Dichloropropene	8.952	75	575	0.269	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32618	13.624	ug/l #	61
56) Ethyl methacrylate	9.244	69	587	0.258	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4245	1.616	ug/l #	43
59) 2-Hexanone	9.482	43	55235	37.654	ug/l #	52
73) Isopropylbenzene	11.079	105	123	Below Cal	#	48
74) N-amyl acetate	10.640	43	16835	6.302	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	44314	23.709	ug/l #	34
79) 2-Chlorotoluene	11.311	91	60	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44314	73.685	ug/l #	8
82) 4-Chlorotoluene	11.311	91	60	Below Cal	#	43

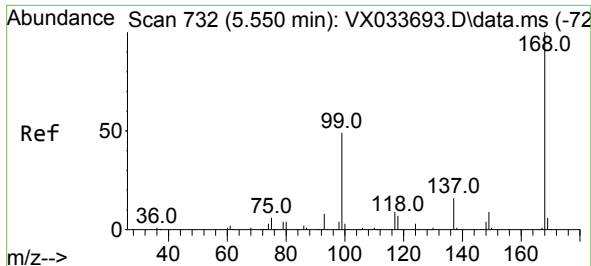
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

Quant Time: Feb 01 02:13:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

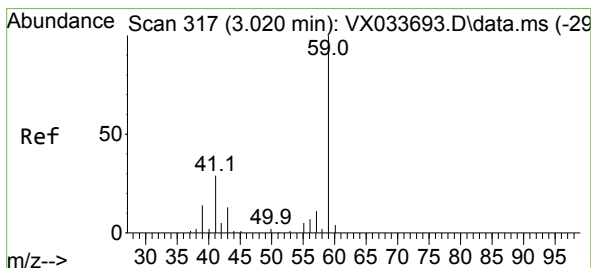
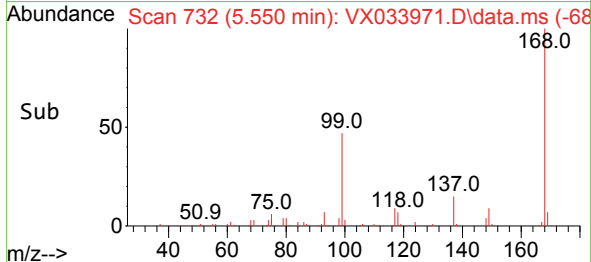
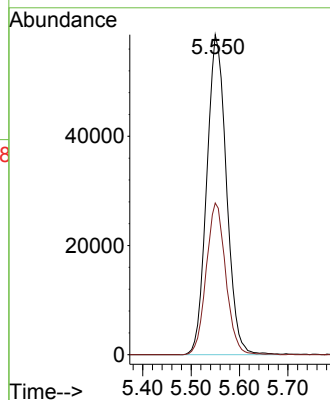
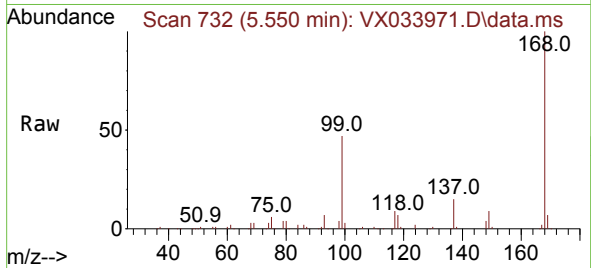
Instrument :

MSVOA_X

ClientSampleId :

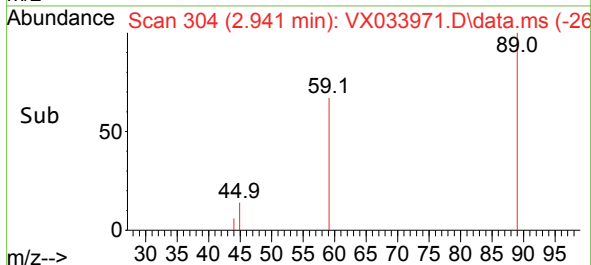
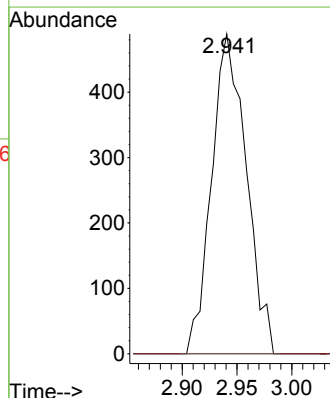
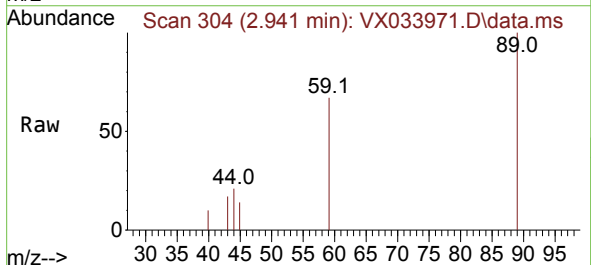
TP-3-WC

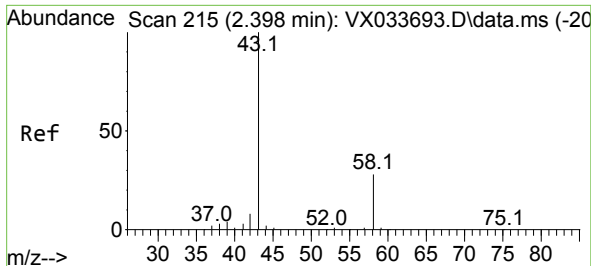
Tgt Ion:168 Resp: 165272
Ion Ratio Lower Upper
168 100
99 47.4 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.553 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 59 Resp: 1074
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

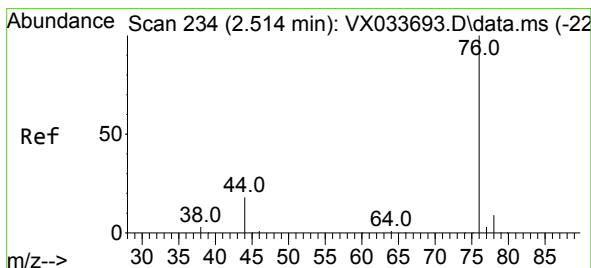
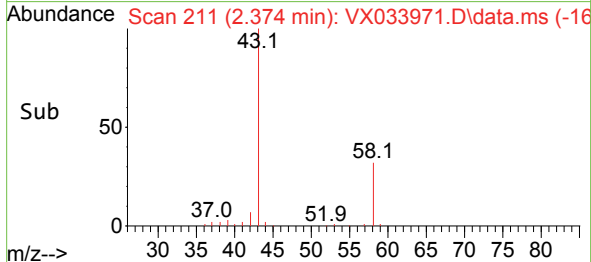
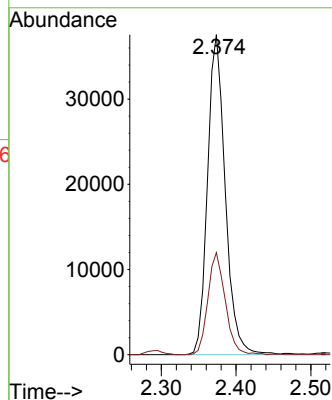
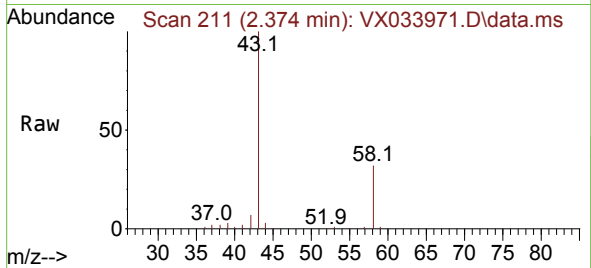




#16
Acetone
Concen: 89.825 ug/l
RT: 2.374 min Scan# 215
Delta R.T. -0.024 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

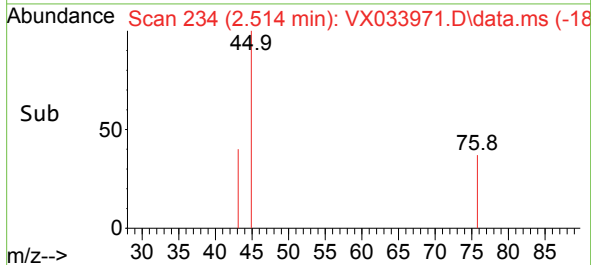
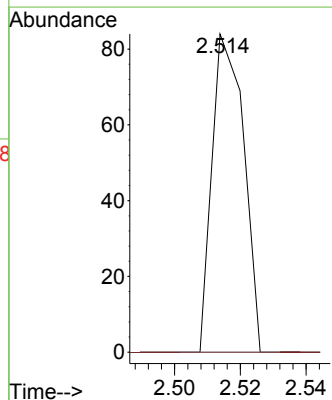
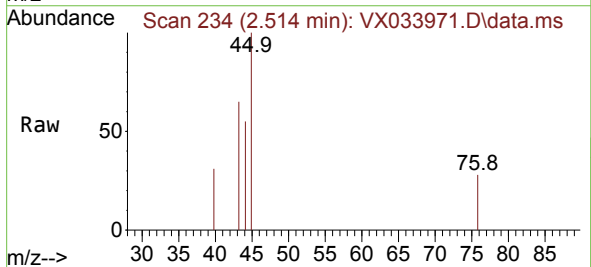
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

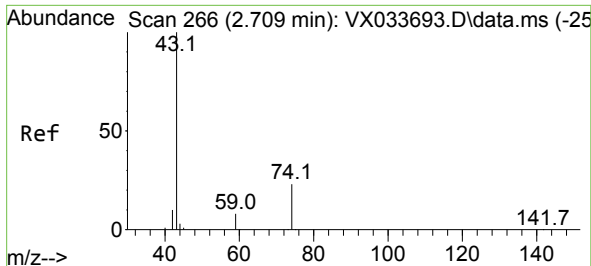
Tgt Ion: 43 Resp: 61825
Ion Ratio Lower Upper
43 100
58 31.9 22.6 33.8



#17
Carbon Disulfide
Concen: 1.838 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 76 Resp: 56
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

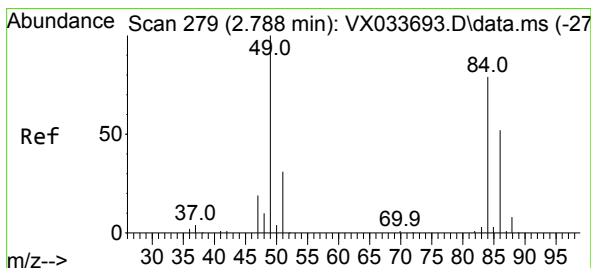
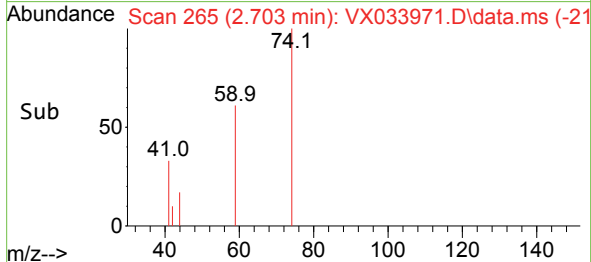
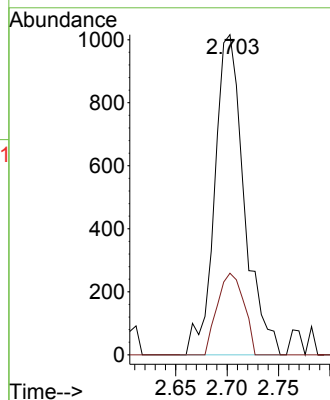
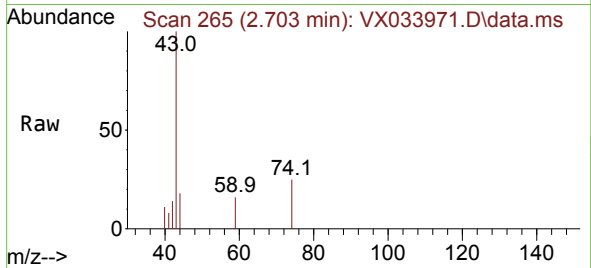




#18
Methyl Acetate
Concen: 0.836 ug/l
RT: 2.703 min Scan# 2030
Delta R.T. -0.006 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

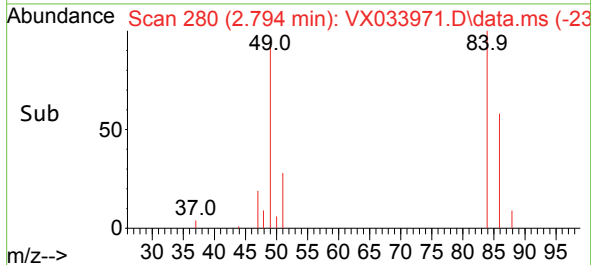
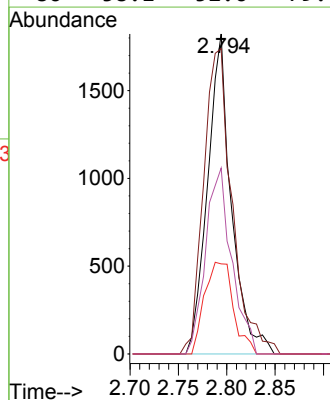
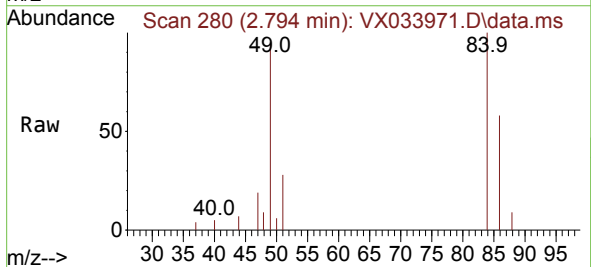
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

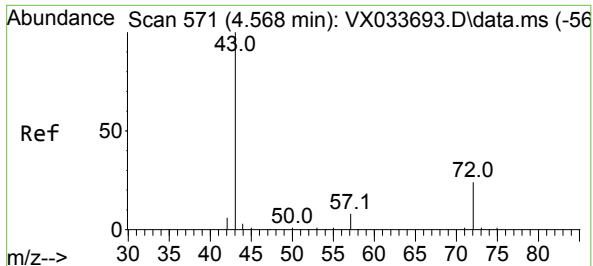
Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
74 22.9 18.2 27.4



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 84 Resp: 3120
Ion Ratio Lower Upper
84 100
49 95.4 101.1 151.7#
51 28.1 31.0 46.6#
86 58.1 52.6 79.0





#25

2-Butanone

Concen: 2.404 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

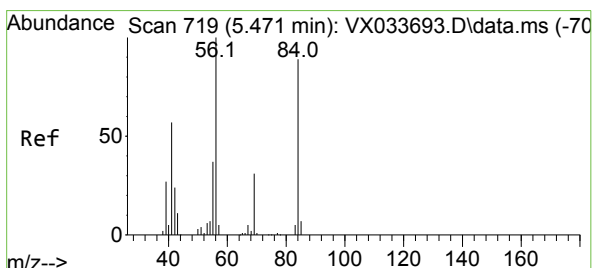
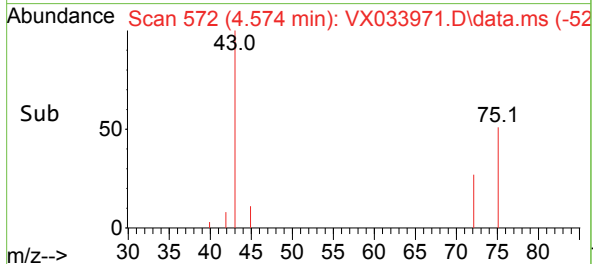
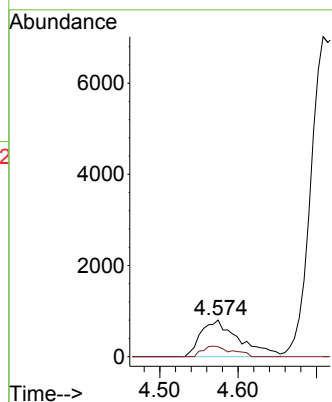
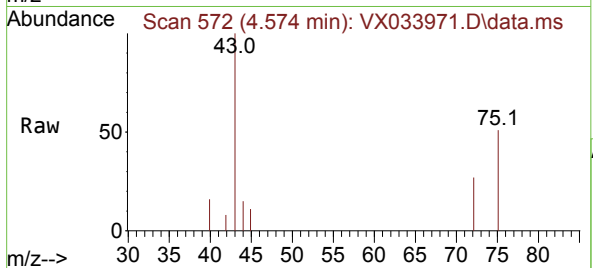
TP-3-WC

Tgt Ion: 43 Resp: 2733

Ion Ratio Lower Upper

43 100

72 26.9 19.4 29.2



#31

Cyclohexane

Concen: 0.927 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

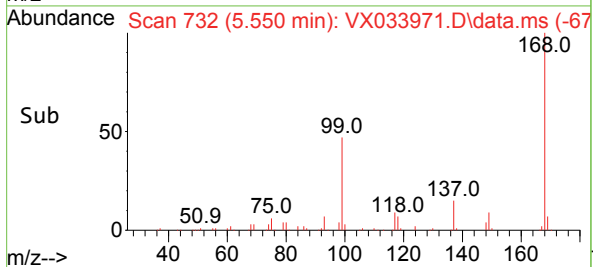
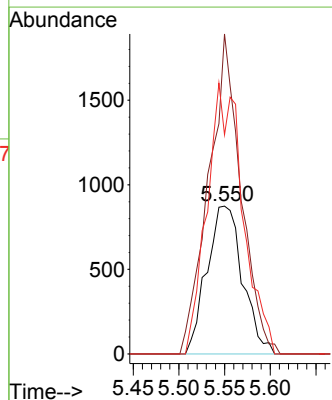
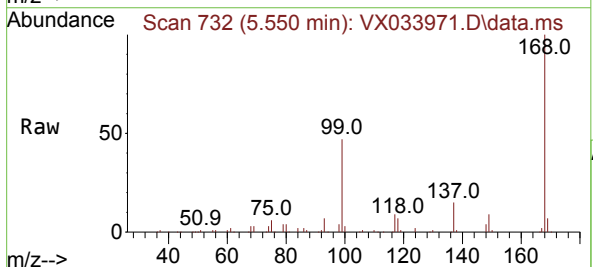
Tgt Ion: 56 Resp: 2375

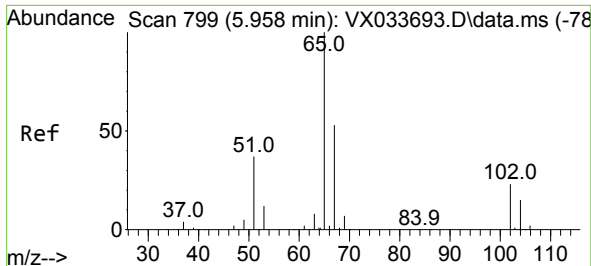
Ion Ratio Lower Upper

56 100

69 216.5 24.6 37.0#

84 148.3 71.0 106.6#

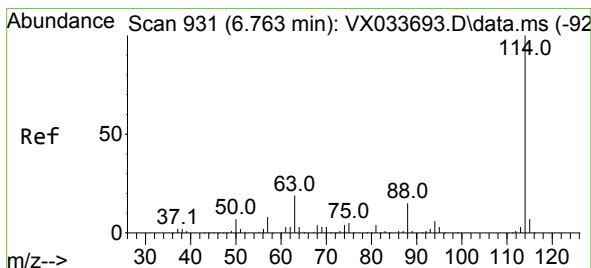
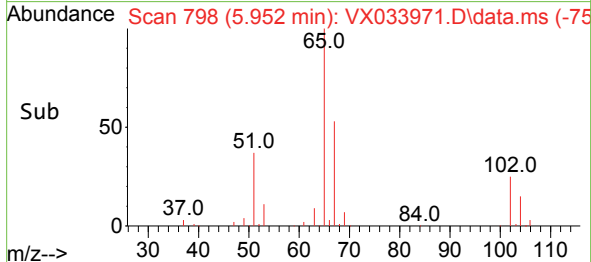
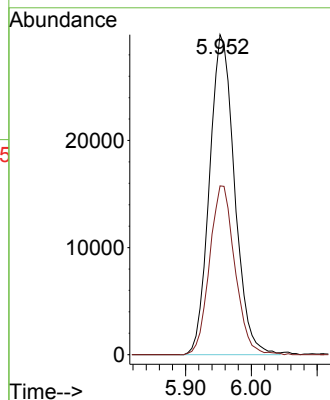
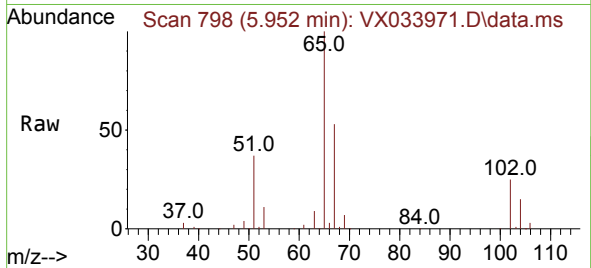




#33
1,2-Dichloroethane-d4
Concen: 45.609 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

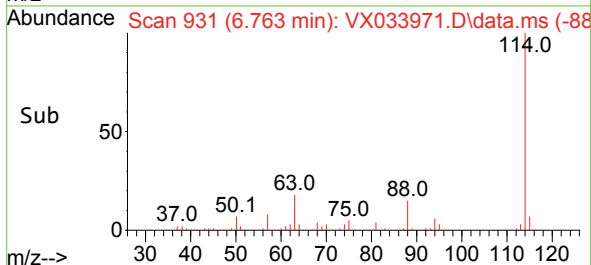
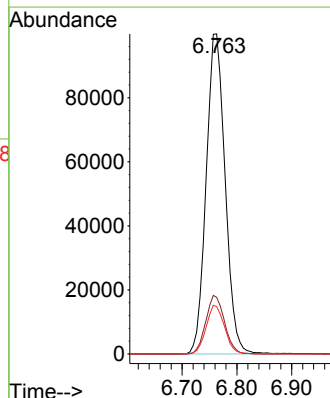
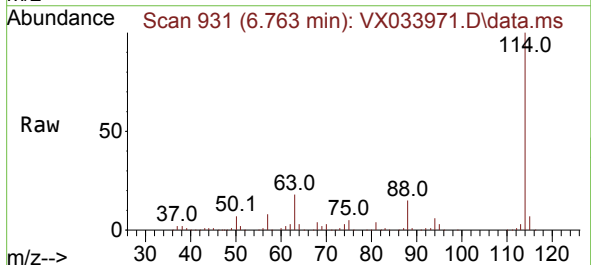
Instrument :
MSVOA_X
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TP-3-WC

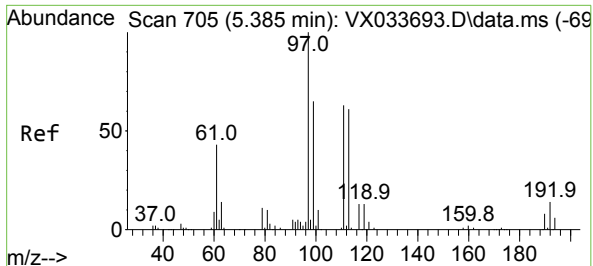
Tgt Ion: 65 Resp: 79367
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 114 Resp: 239865
Ion Ratio Lower Upper
114 100
63 17.7 0.0 37.4
88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.919 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WC

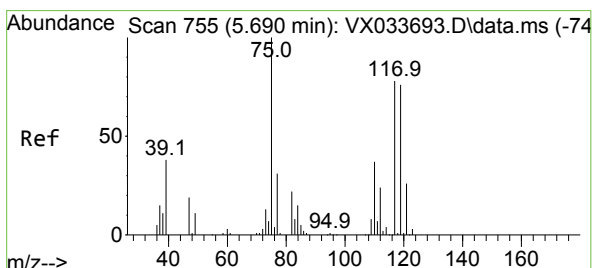
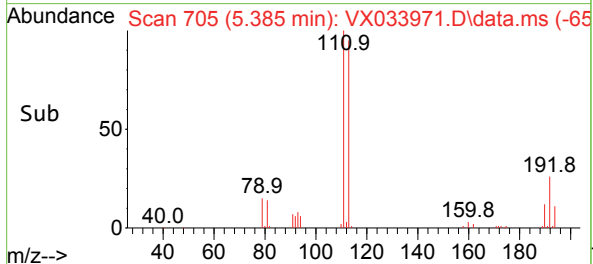
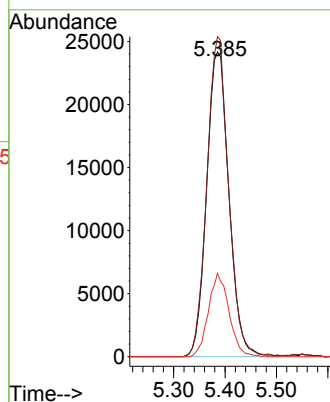
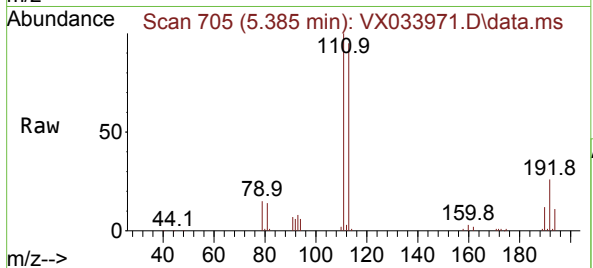
Tgt Ion:113 Resp: 72862

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 25.2 19.0 28.4



#36

1,1-Dichloropropene

Concen: 4.345 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.134 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

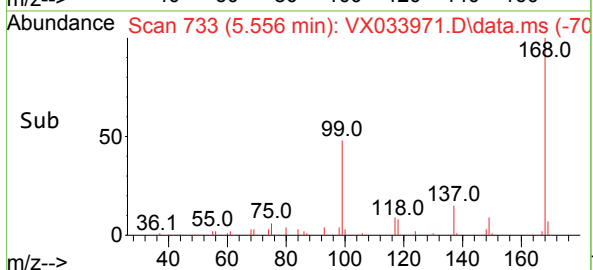
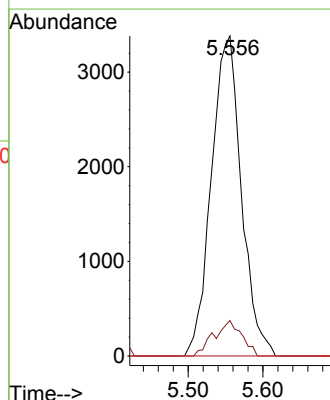
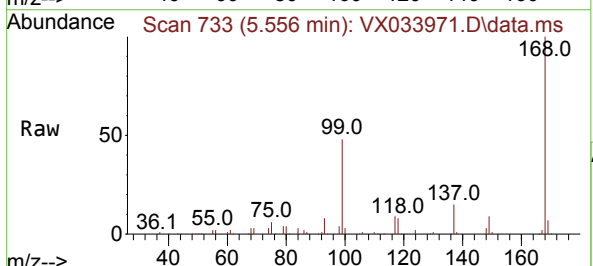
Tgt Ion: 75 Resp: 9444

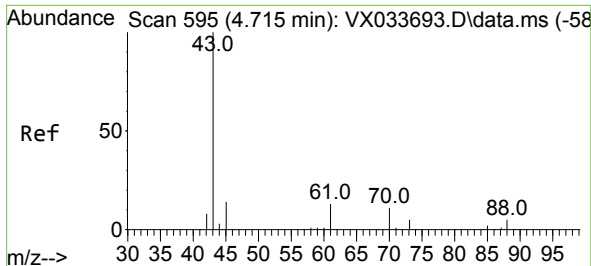
Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.4#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.039 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WC

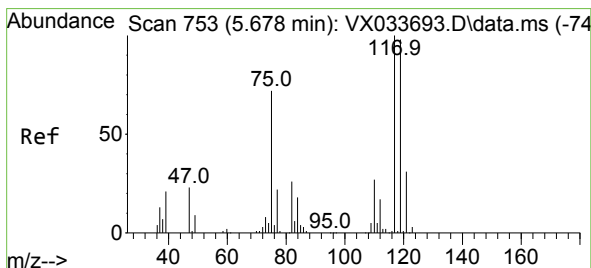
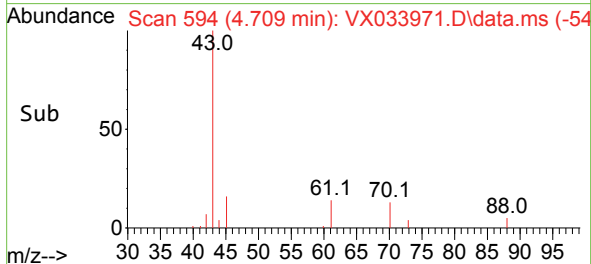
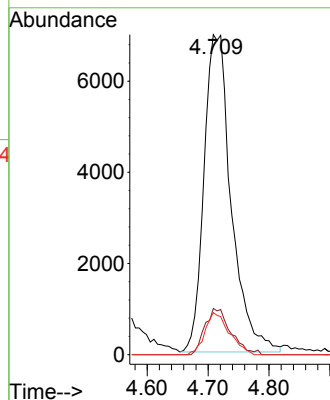
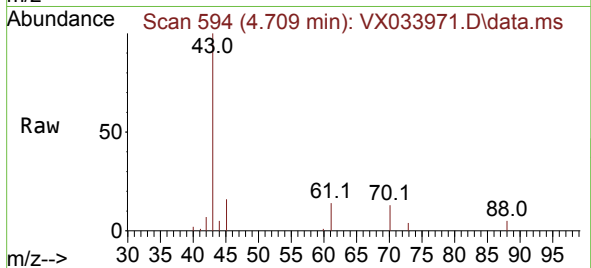
Tgt Ion: 43 Resp: 21648

Ion Ratio Lower Upper

43 100

61 13.8 11.1 16.7

70 11.9 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.222 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

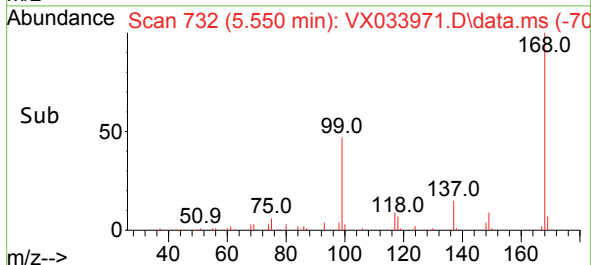
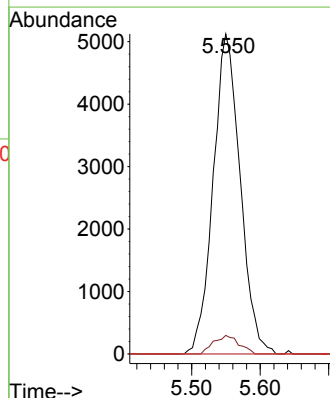
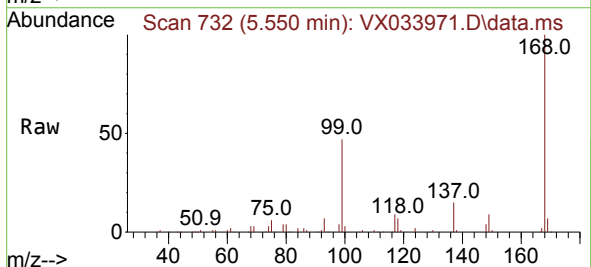
Tgt Ion: 117 Resp: 14008

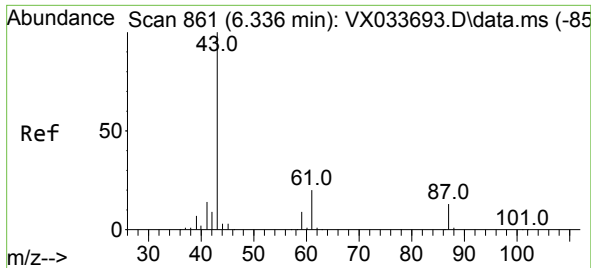
Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.4 36.6#

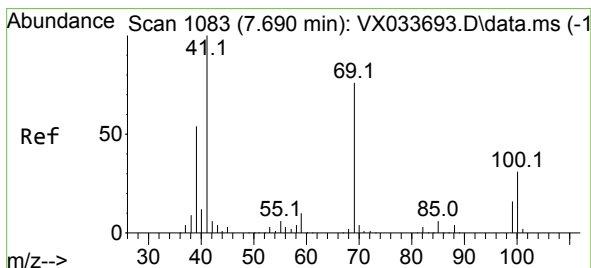
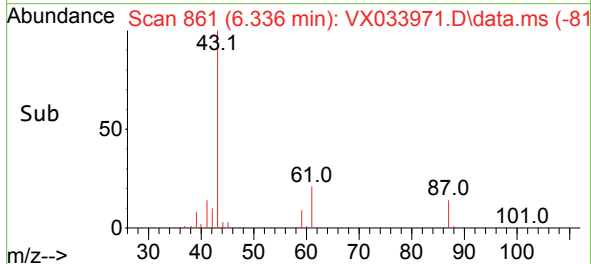
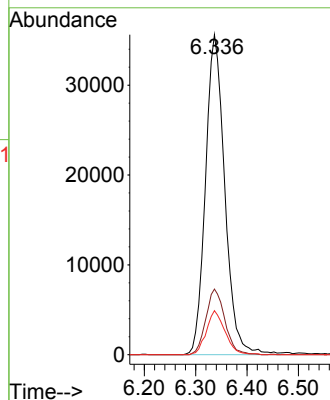
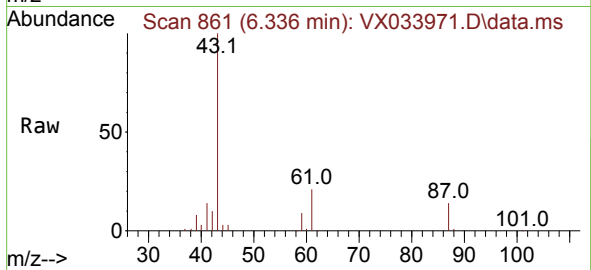




#43
Isopropyl Acetate
Concen: 27.121 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

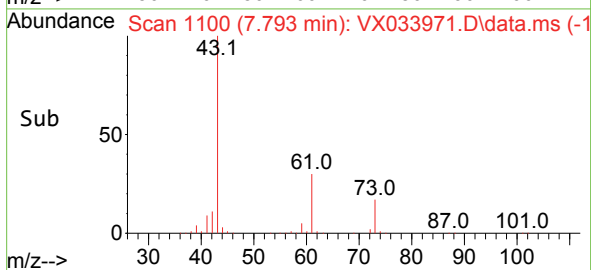
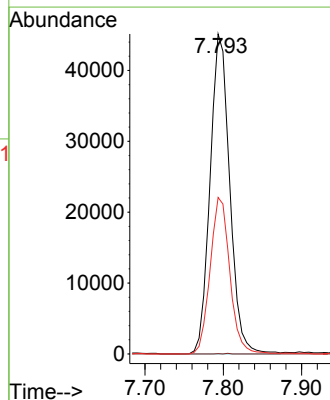
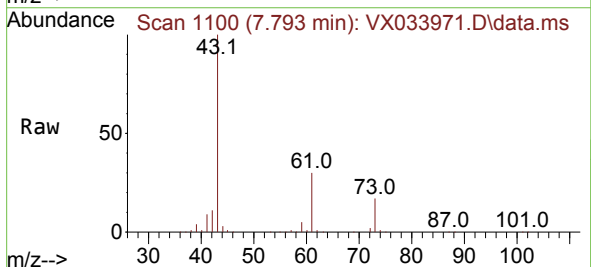
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

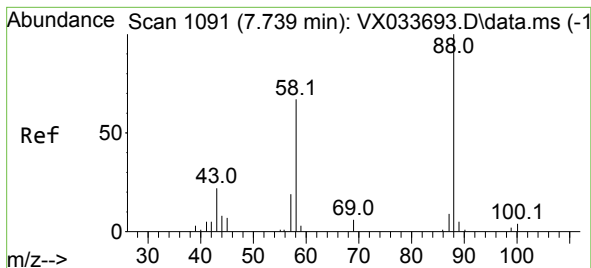
Tgt Ion:	43	Resp:	93071
Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.7	23.5
87	13.3	10.6	15.8



#48
Methyl methacrylate
Concen: 45.493 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion:	41	Resp:	78642
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	49.0	43.2	64.8





#49

1,4-Dioxane

Concen: 2.275 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.061 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

TP-3-WC

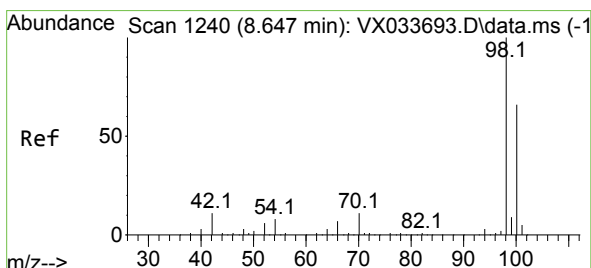
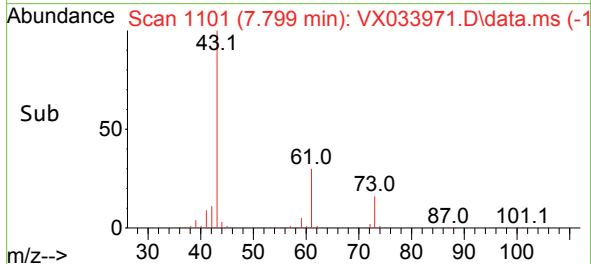
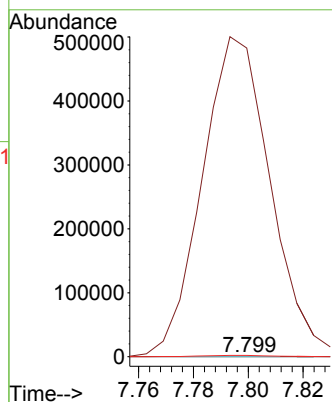
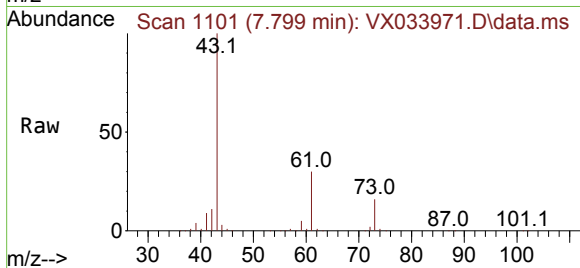
Tgt Ion: 88 Resp: 87

Ion Ratio Lower Upper

88 100

43 1009433.3 0.0 0.0#

58 4210.3 56.5 84.7#



#50

Toluene-d8

Concen: 50.371 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX033971.D

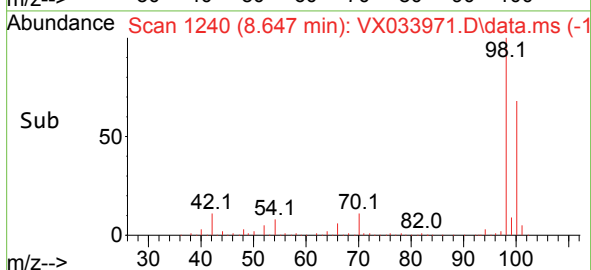
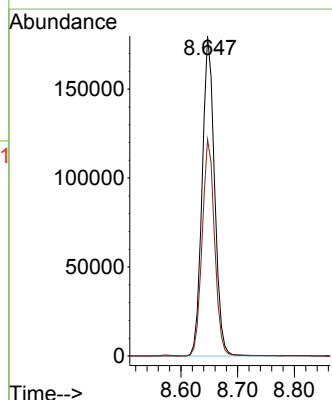
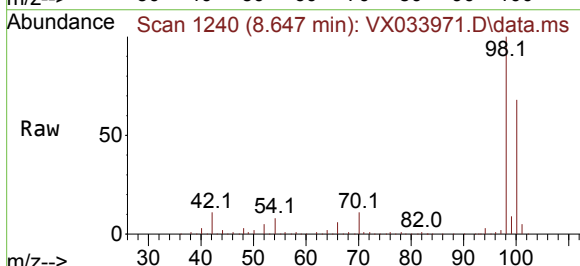
Acq: 31 Jan 2023 15:04

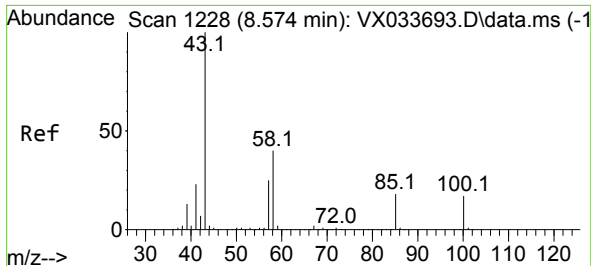
Tgt Ion: 98 Resp: 273356

Ion Ratio Lower Upper

98 100

100 67.8 53.6 80.4

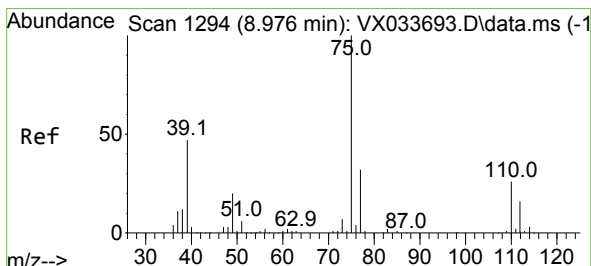
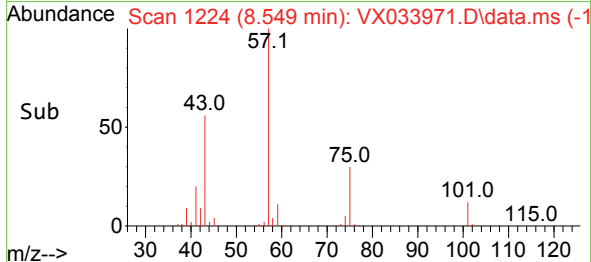
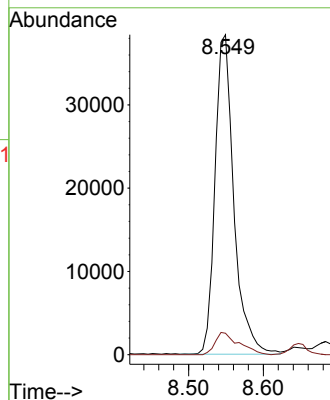
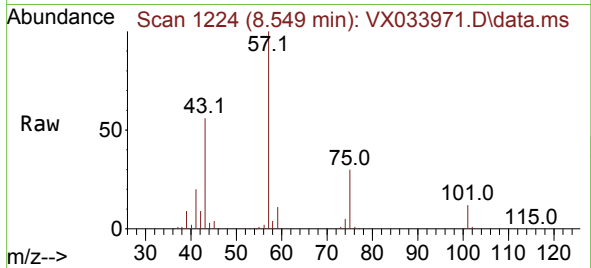




#51
4-Methyl-2-Pentanone
Concen: 31.910 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

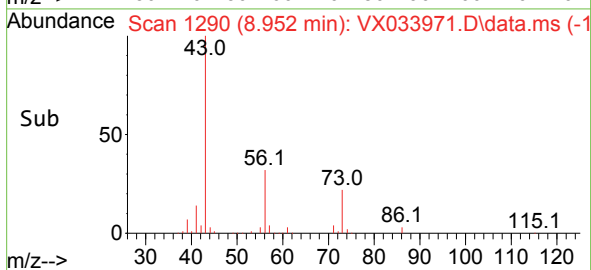
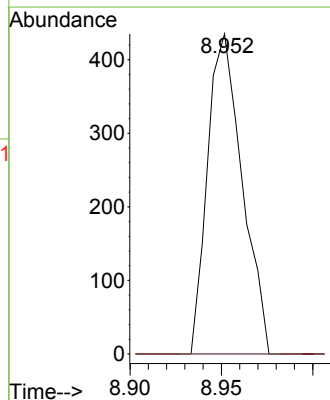
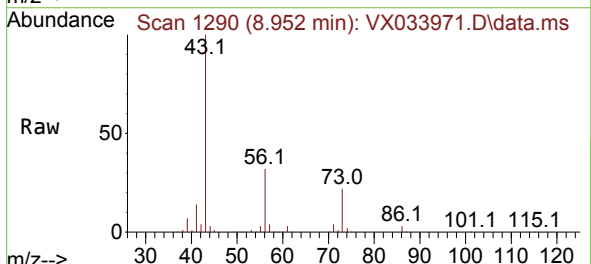
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

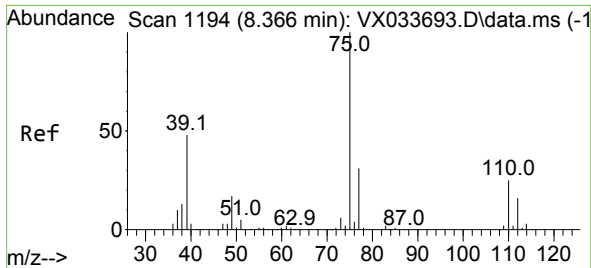
Tgt Ion: 43 Resp: 67253
Ion Ratio Lower Upper
43 100
58 8.8 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.269 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 75 Resp: 575
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

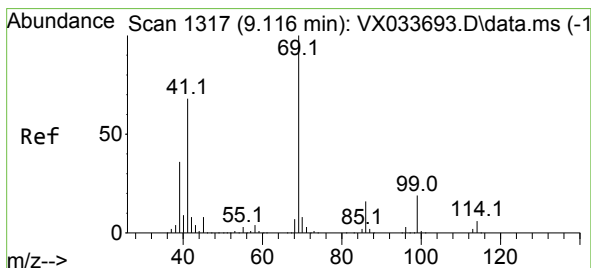
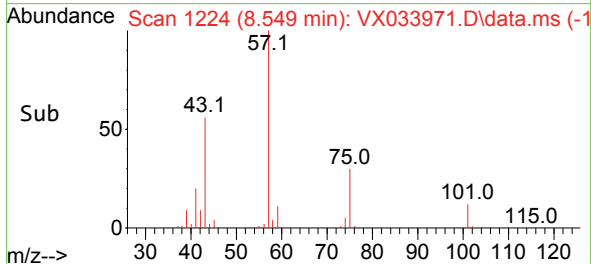
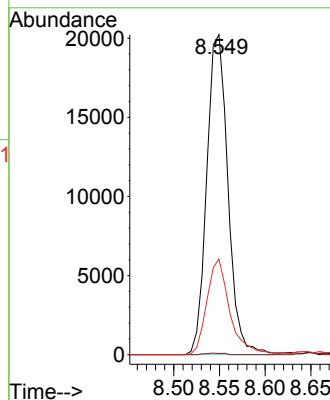
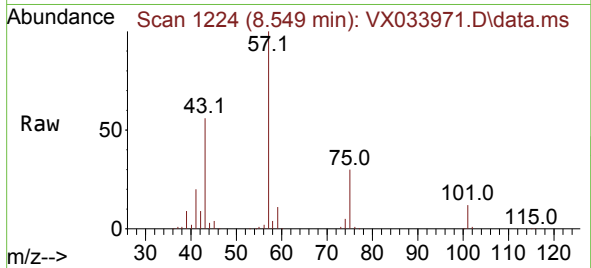




#54
 cis-1,3-Dichloropropene
 Concen: 13.624 ug/l
 RT: 8.549 min Scan# 11
 Delta R.T. 0.183 min
 Lab File: VX033971.D
 Acq: 31 Jan 2023 15:04

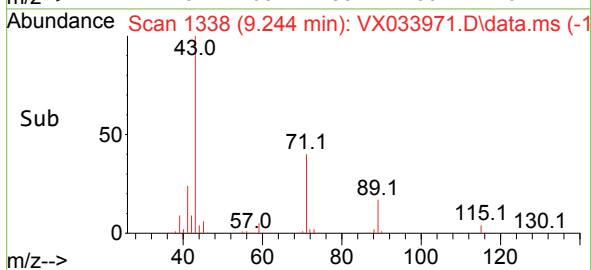
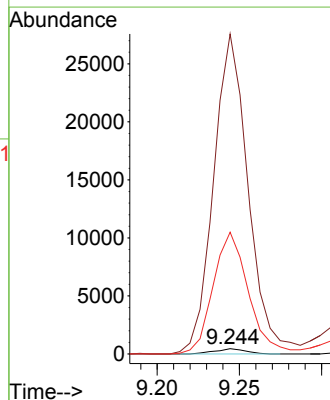
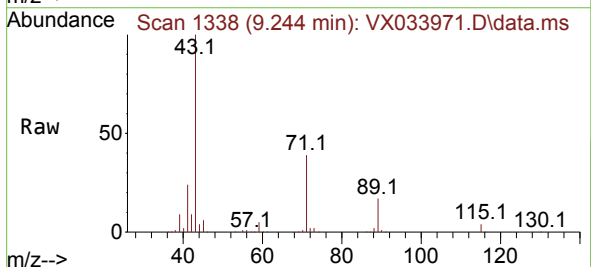
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WC

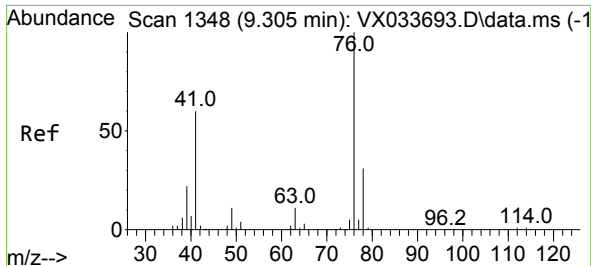
Tgt Ion: 75 Resp: 32618
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 29.9 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.258 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033971.D
 Acq: 31 Jan 2023 15:04

Tgt Ion: 69 Resp: 587
 Ion Ratio Lower Upper
 69 100
 41 6913.3 55.1 82.7#
 39 2657.9 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.616 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033971.D

Acq: 31 Jan 2023 15:04

Instrument :

MSVOA_X

ClientSampleId :

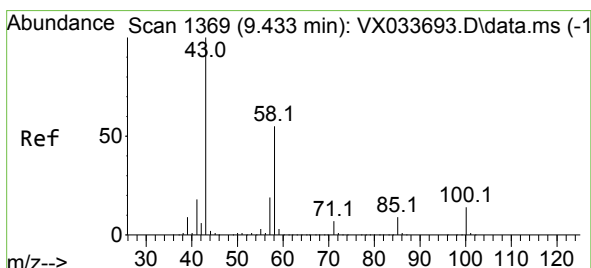
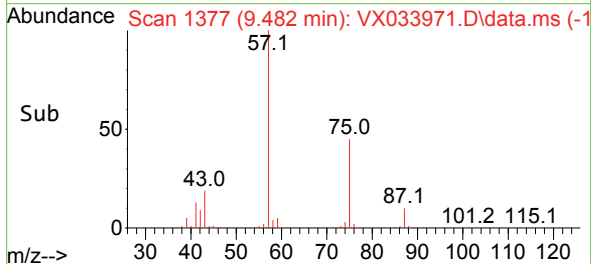
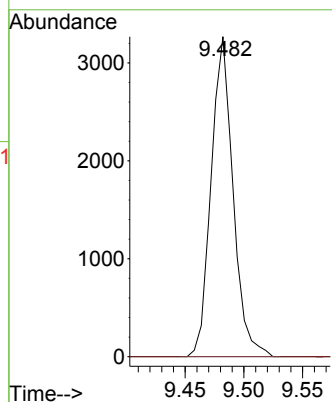
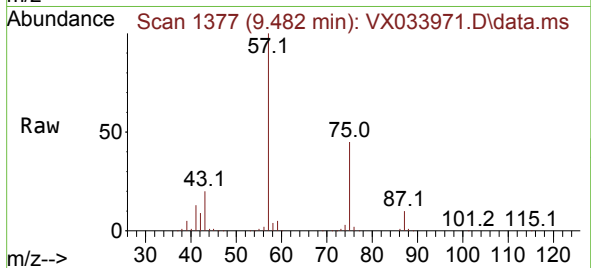
TP-3-WC

Tgt Ion: 76 Resp: 4245

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 37.654 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033971.D

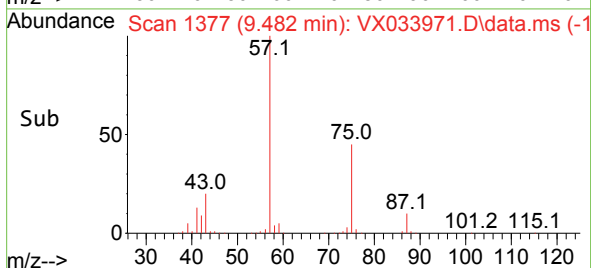
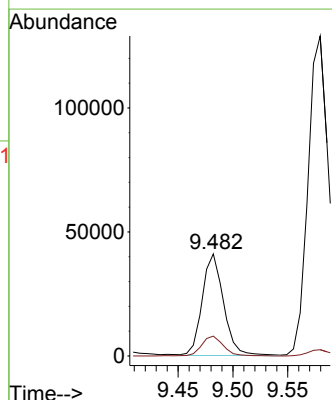
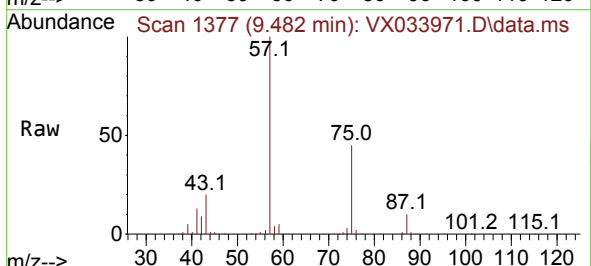
Acq: 31 Jan 2023 15:04

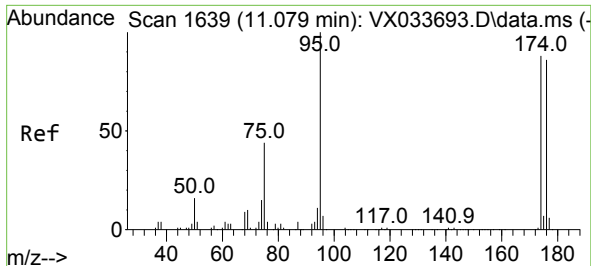
Tgt Ion: 43 Resp: 55235

Ion Ratio Lower Upper

43 100

58 20.1 27.4 82.0#

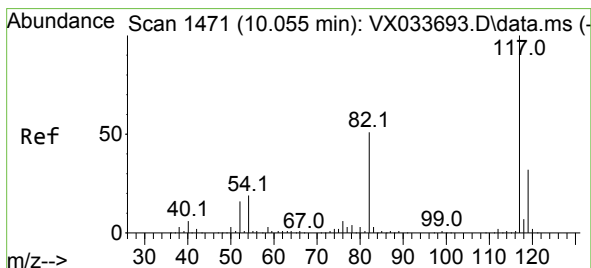
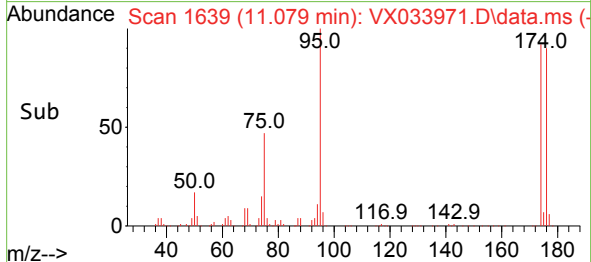
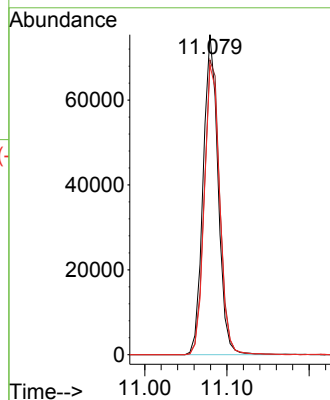
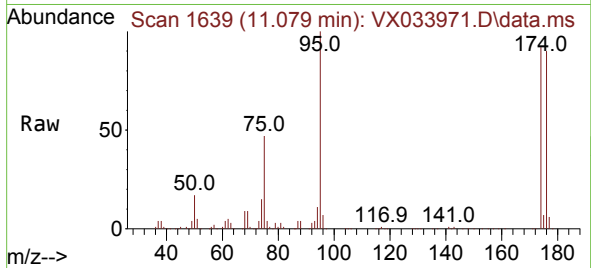




#62
4-Bromofluorobenzene
Concen: 47.158 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

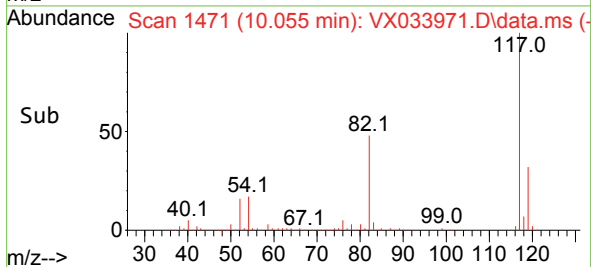
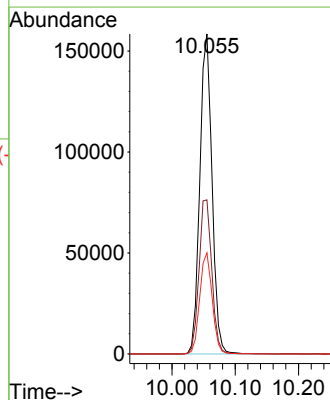
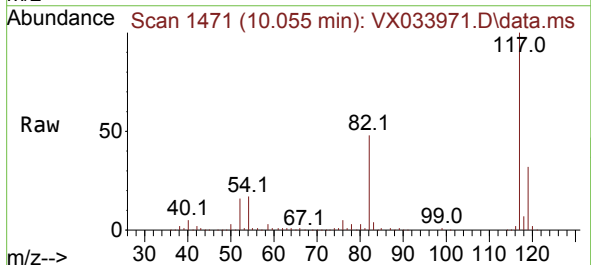
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

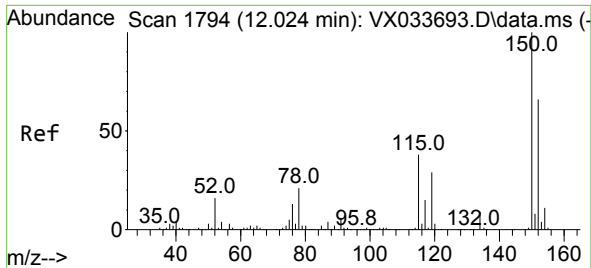
Tgt Ion: 95 Resp: 95017
Ion Ratio Lower Upper
95 100
174 96.0 0.0 184.4
176 93.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion: 117 Resp: 213433
Ion Ratio Lower Upper
117 100
82 48.1 40.6 60.8
119 31.6 25.6 38.4

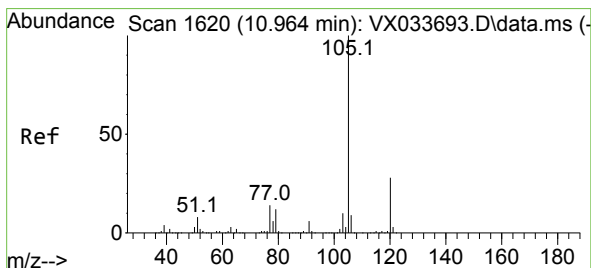
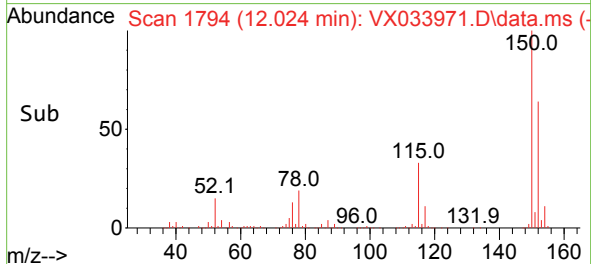
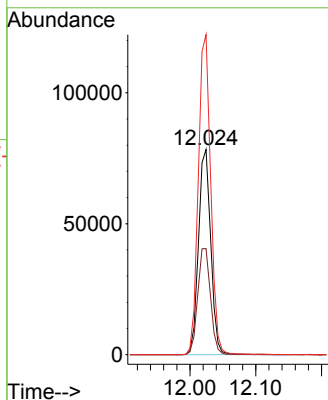
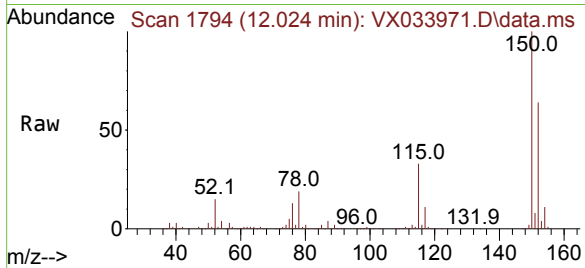




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX033971.D
 Acq: 31 Jan 2023 15:04

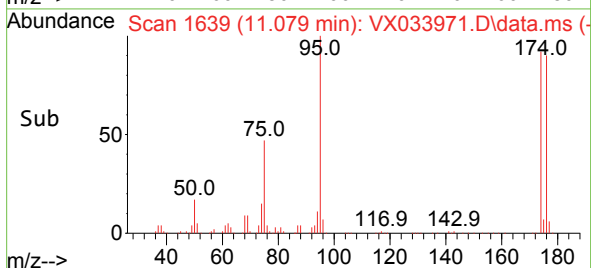
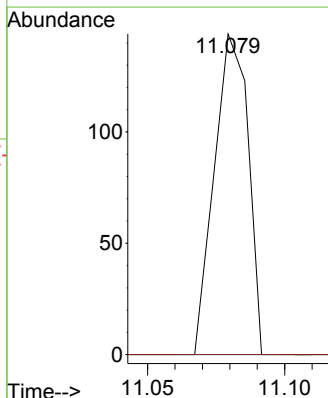
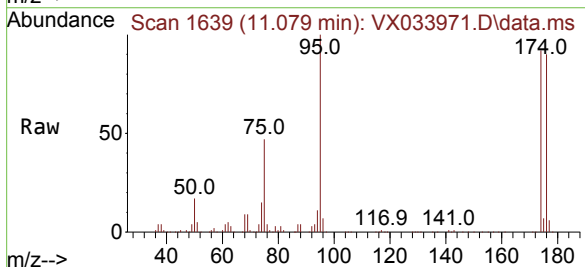
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WC

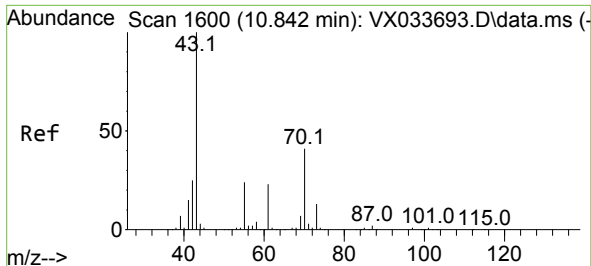
Tgt Ion:152 Resp: 101726
 Ion Ratio Lower Upper
 152 100
 115 53.7 38.7 116.1
 150 157.1 0.0 348.2



#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.115 min
 Lab File: VX033971.D
 Acq: 31 Jan 2023 15:04

Tgt Ion:105 Resp: 123
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.8#

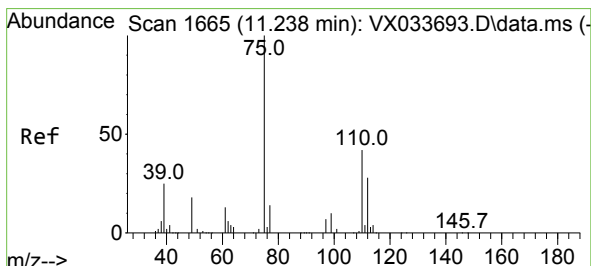
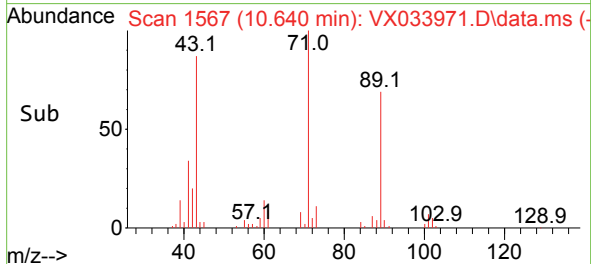
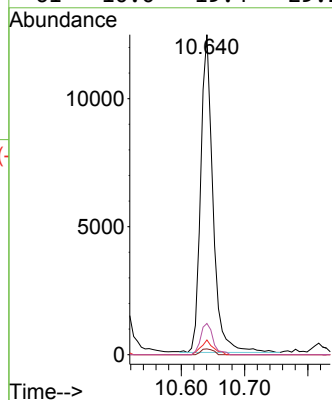
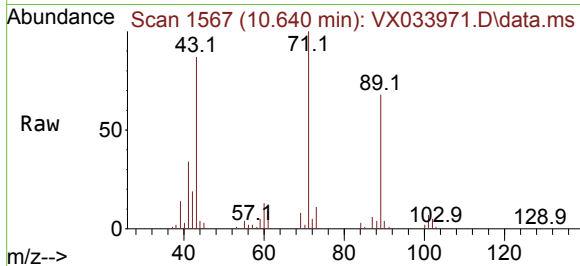




#74
N-amy1 acetate
Concen: 6.302 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

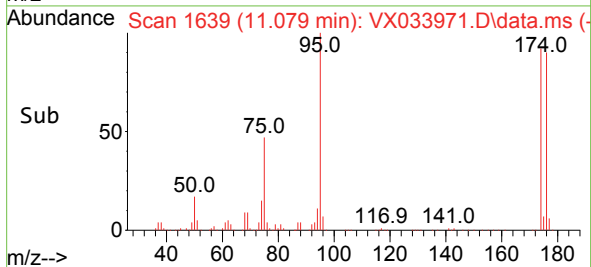
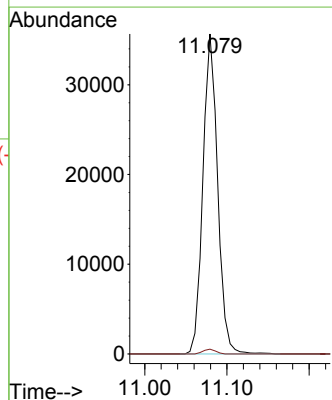
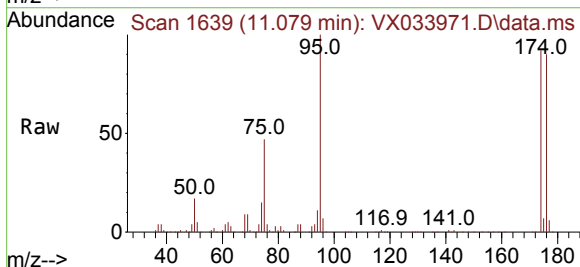
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

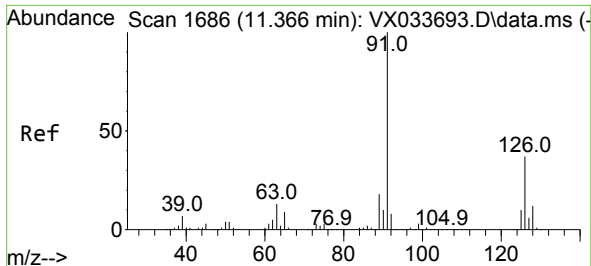
Tgt Ion:	43	Resp:	16835
Ion	Ratio	Lower	Upper
43	100		
70	1.8	34.8	52.2#
55	4.6	19.4	29.0#
61	10.0	19.4	29.2#



#76
1,2,3-Trichloropropane
Concen: 23.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

Tgt Ion:	75	Resp:	44314
Ion	Ratio	Lower	Upper
75	100		
77	1.3	21.8	65.4#

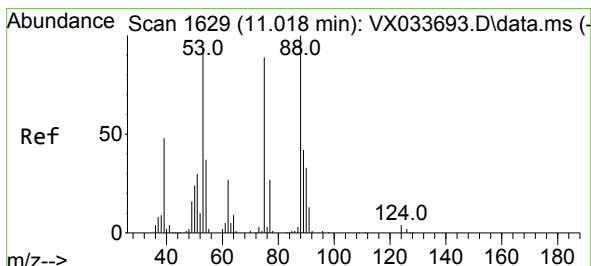
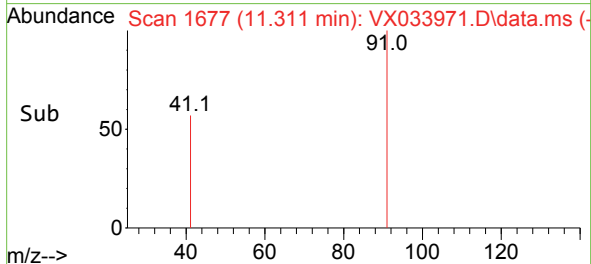
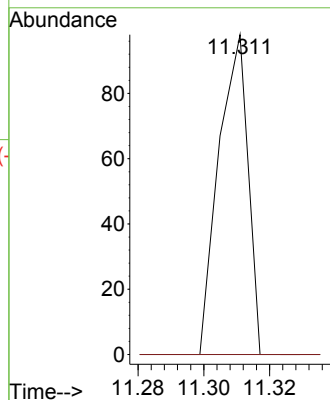
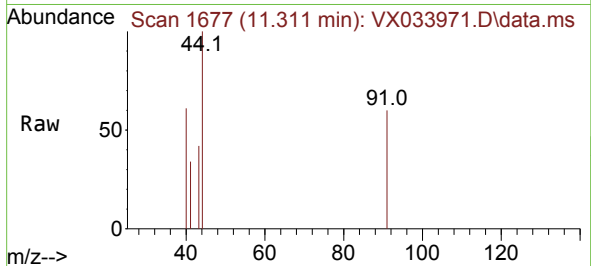




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.311 min Scan# 1
Delta R.T. -0.055 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

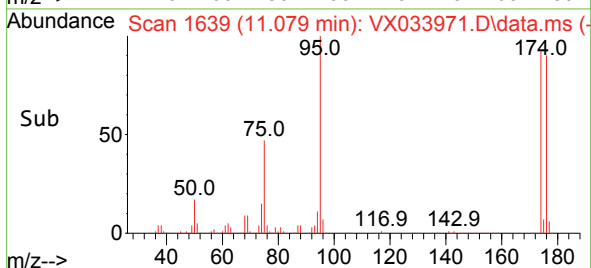
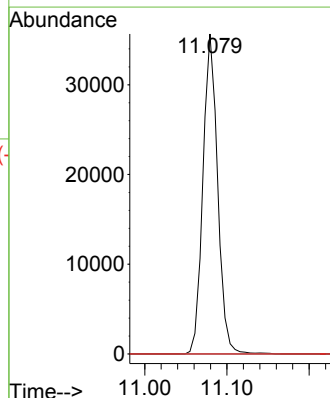
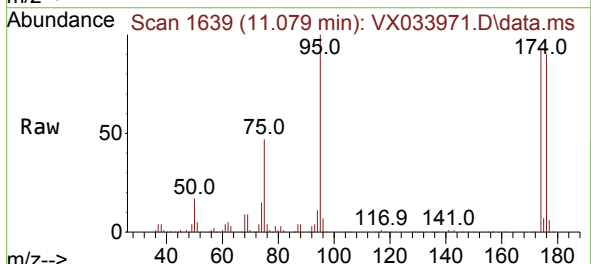
Instrument :
MSVOA_X
ClientSampleId :
TP-3-WC

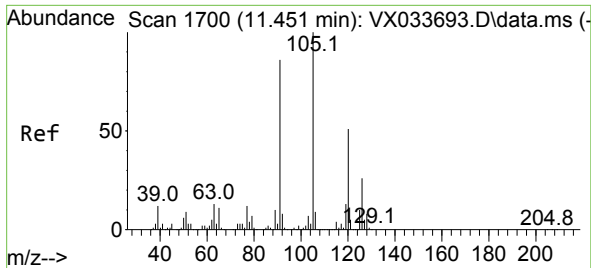
Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033971.D
Acq: 31 Jan 2023 15:04

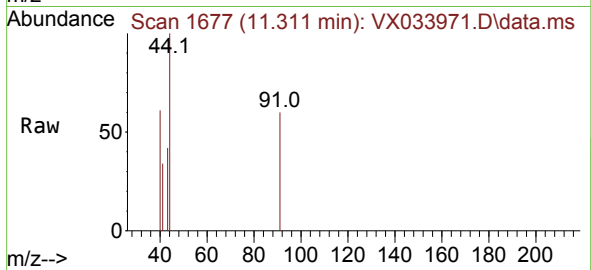
Tgt Ion: 75 Resp: 44314
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.311 min Scan# 1
 Delta R.T. -0.140 min
 Lab File: VX033971.D
 Acq: 31 Jan 2023 15:04

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3-WC



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

