

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012423\
 Data File : VX033872.D
 Acq On : 24 Jan 2023 17:07
 Operator : JC/MD
 Sample : 01260-23
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

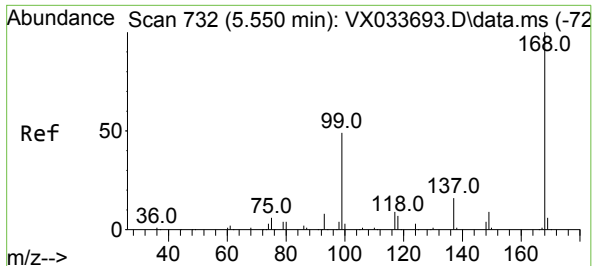
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-28

Quant Time: Jan 25 03:19:20 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	153463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	199691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74755	46.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.520%		
35) Dibromofluoromethane	5.385	113	69464	49.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.920%		
50) Toluene-d8	8.647	98	257578	50.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.660%		
62) 4-Bromofluorobenzene	11.079	95	89035	46.860	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.720%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	368	1.311	ug/l #	86
16) Acetone	2.386	43	17694	18.669	ug/l #	87
17) Carbon Disulfide	2.514	76	114	1.857	ug/l #	76
18) Methyl Acetate	2.703	43	1748	0.775	ug/l	95
20) Methylene Chloride	2.788	84	5097	1.182	ug/l	92
25) 2-Butanone	4.580	43	2304	2.182	ug/l	94
31) Cyclohexane	5.544	56	2185	0.919	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9070	4.425	ug/l #	48
37) Ethyl Acetate	4.715	43	20995	8.354	ug/l	99
38) Carbon Tetrachloride	5.550	117	13172	6.204	ug/l #	16
43) Isopropyl Acetate	6.336	43	91985	28.425	ug/l	98
48) Methyl methacrylate	7.793	41	76306	46.810	ug/l #	44
49) 1,4-Dioxane	7.787	88	79	2.191	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68392	34.412	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	623	0.309	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32841	14.546	ug/l #	60
56) Ethyl methacrylate	9.244	69	624	0.290	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4349	1.756	ug/l #	43
59) 2-Hexanone	9.482	43	56515	40.856	ug/l #	50
73) Isopropylbenzene	11.091	105	26	Below Cal	#	48
74) N-amyl acetate	10.640	43	20084	8.008	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	41502	23.651	ug/l #	34
79) 2-Chlorotoluene	11.305	91	63	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41502	73.506	ug/l #	8
82) 4-Chlorotoluene	11.451	91	21	Below Cal	#	43

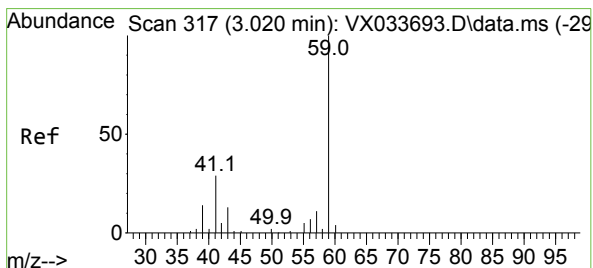
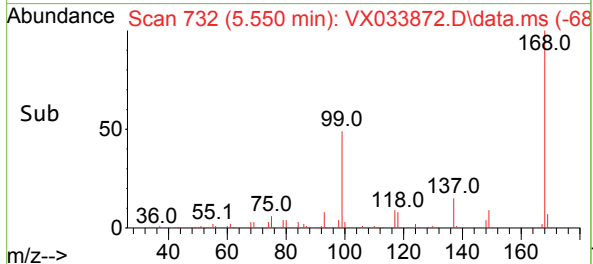
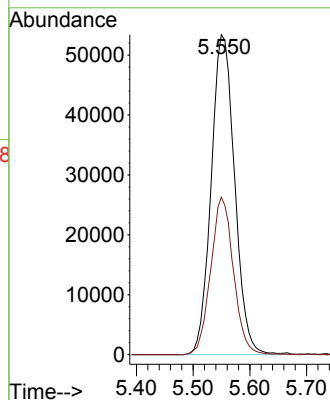
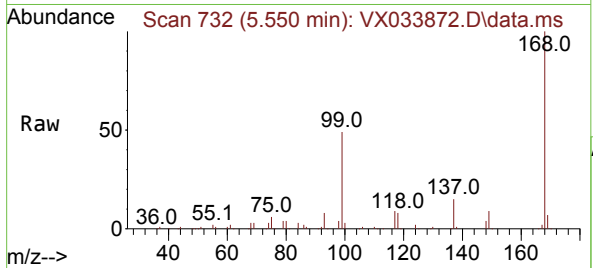
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

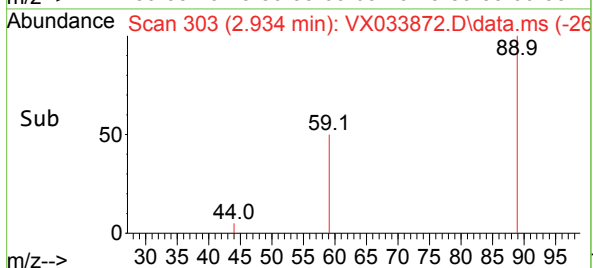
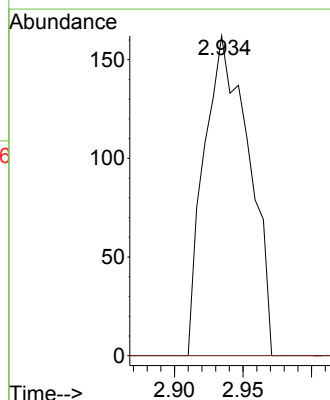
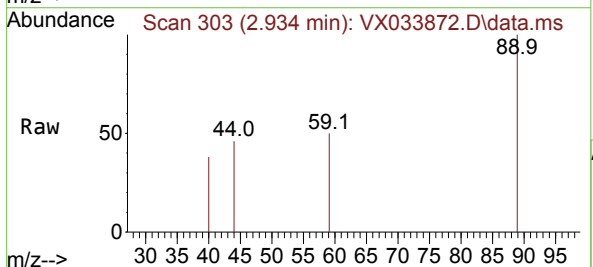
Instrument :
MSVOA_X
ClientSampleId :
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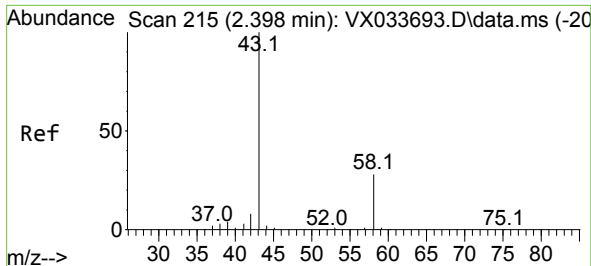
Tgt Ion:168 Resp: 153463
Ion Ratio Lower Upper
168 100
99 49.2 39.6 59.4



#11
Tert butyl alcohol
Concen: 1.311 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.085 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

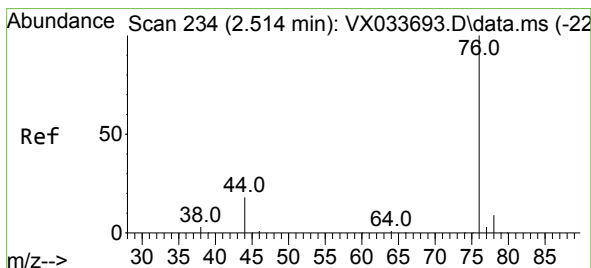
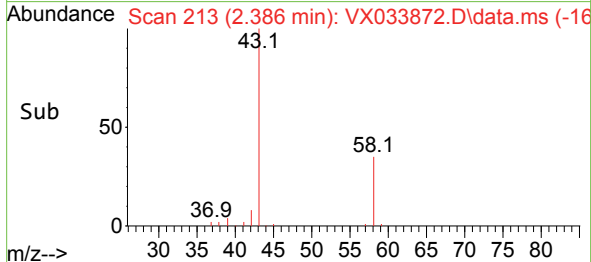
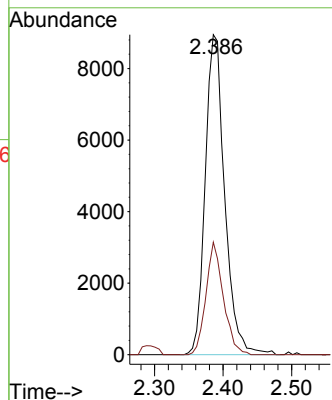
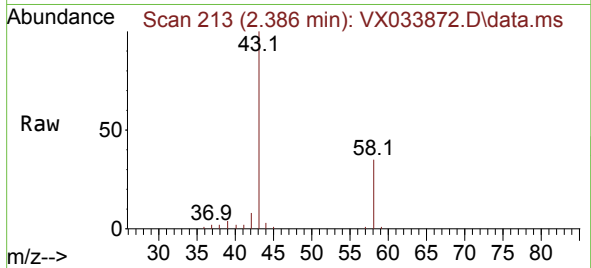




#16
Acetone
Concen: 18.669 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

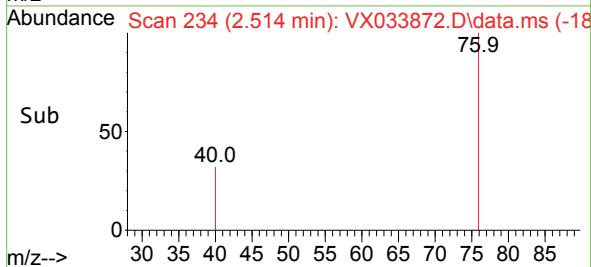
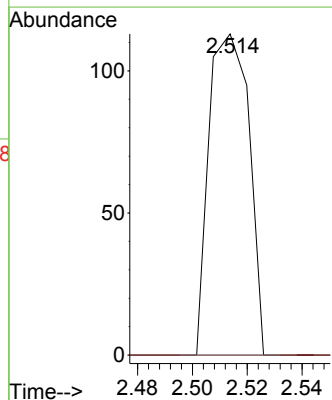
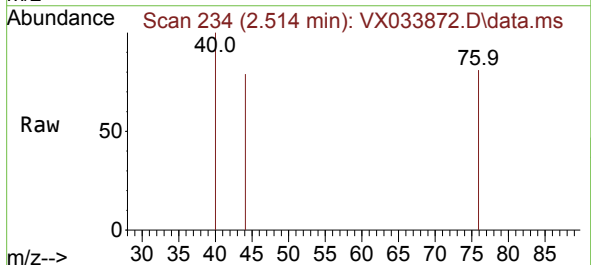
Instrument :
MSVOA_X
ClientSampleId :
TP-28

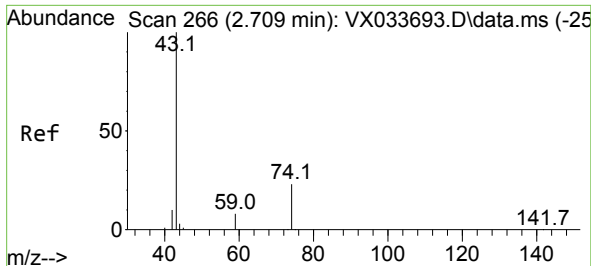
Tgt Ion: 43 Resp: 17694
Ion Ratio Lower Upper
43 100
58 35.1 22.6 33.8#



#17
Carbon Disulfide
Concen: 1.857 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 76 Resp: 114
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

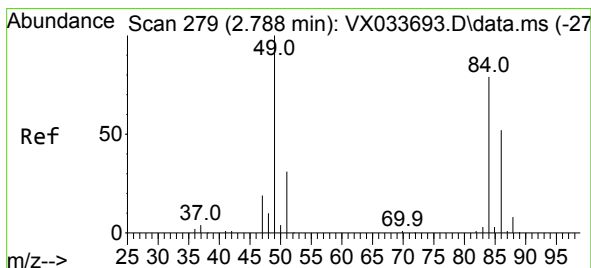
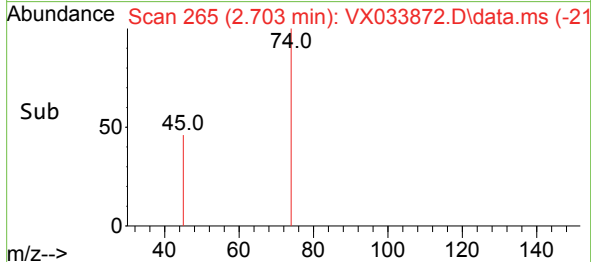
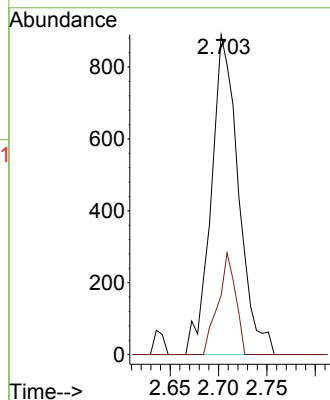
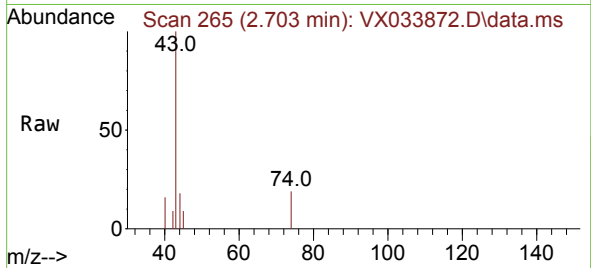




#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

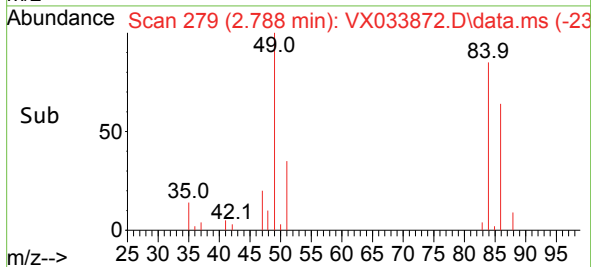
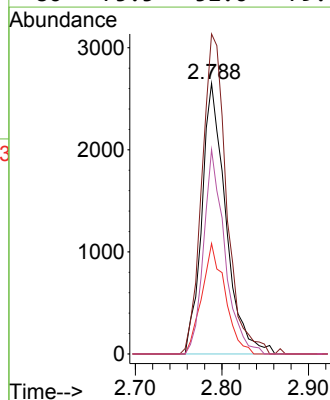
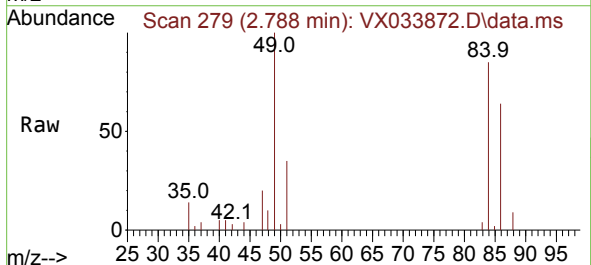
Instrument :
MSVOA_X
ClientSampleId :
TP-28

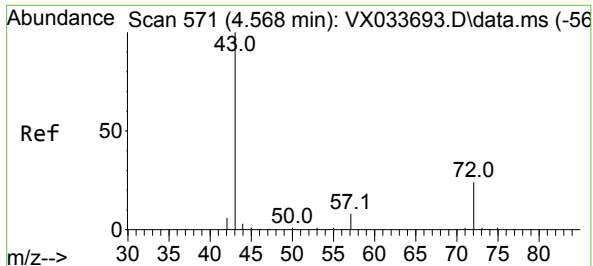
Tgt Ion: 43 Resp: 1748
Ion Ratio Lower Upper
43 100
74 20.2 18.2 27.4



#20
Methylene Chloride
Concen: 1.182 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 84 Resp: 5097
Ion Ratio Lower Upper
84 100
49 118.3 101.1 151.7
51 40.8 31.0 46.6
86 75.5 52.6 79.0





#25

2-Butanone

Concen: 2.182 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

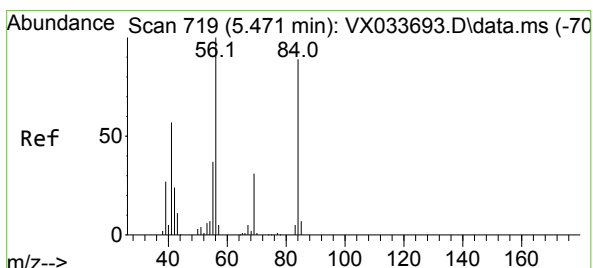
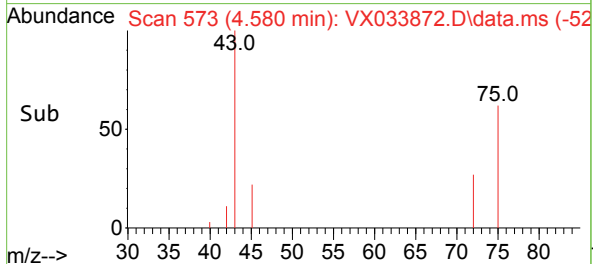
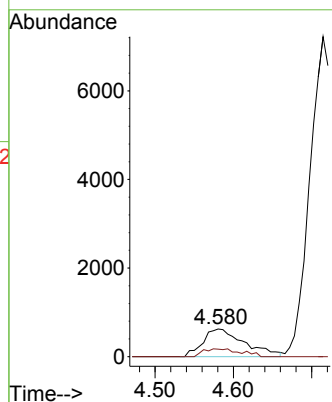
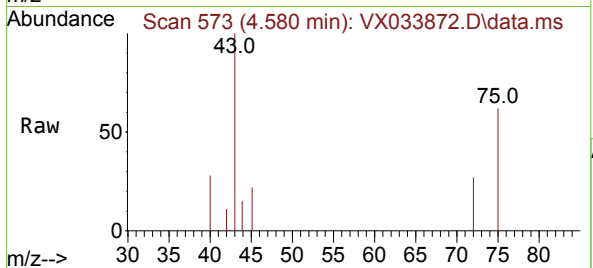
TP-28

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

72 27.4 19.4 29.2



#31

Cyclohexane

Concen: 0.919 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

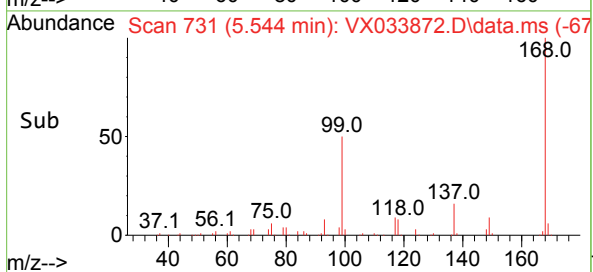
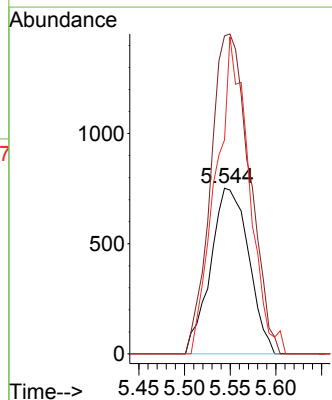
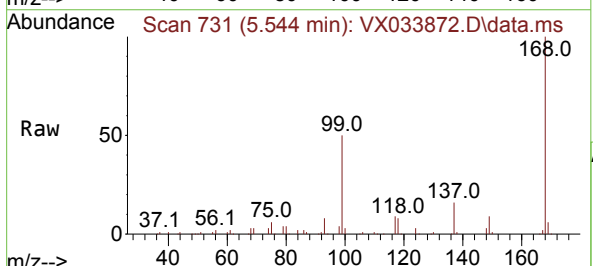
Tgt Ion: 56 Resp: 2185

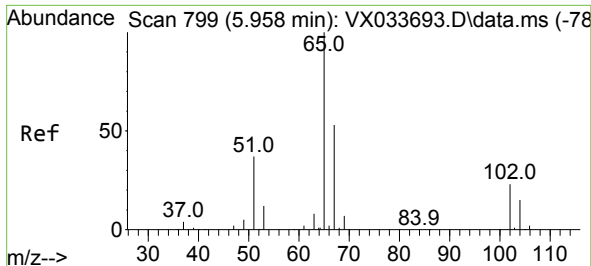
Ion Ratio Lower Upper

56 100

69 191.9 24.6 37.0#

84 129.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.264 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

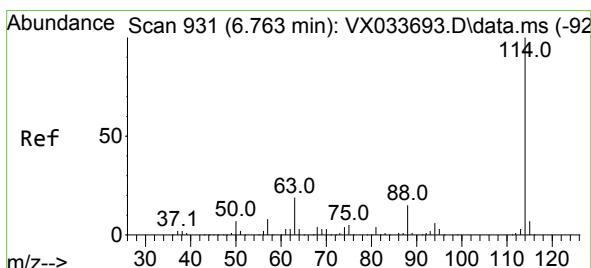
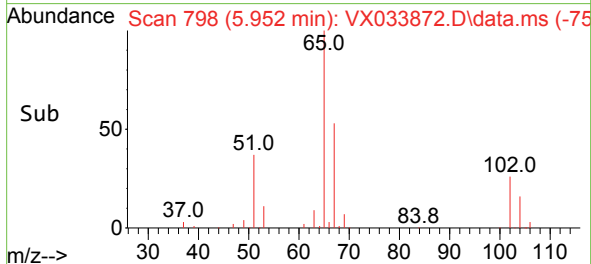
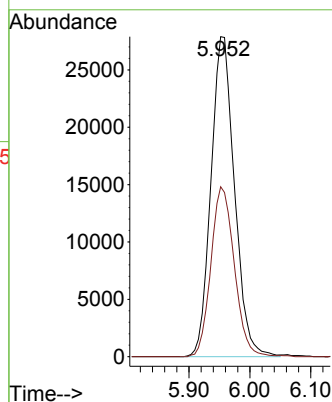
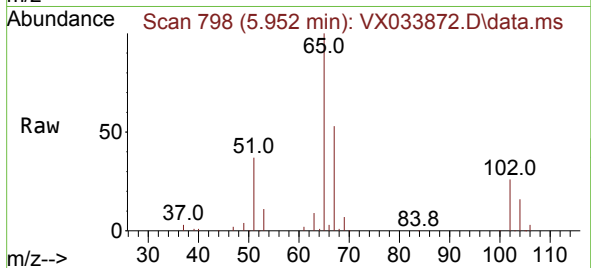
TP-28

Tgt Ion: 65 Resp: 74755

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: VX033872.D

Acq: 24 Jan 2023 17:07

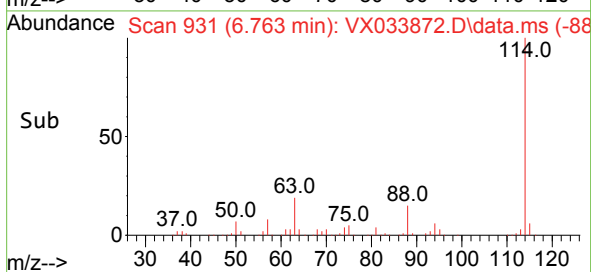
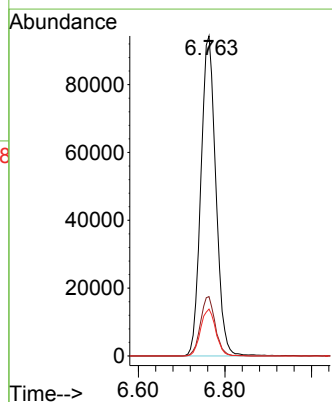
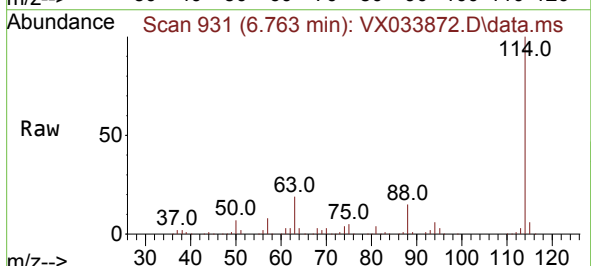
Tgt Ion: 114 Resp: 226192

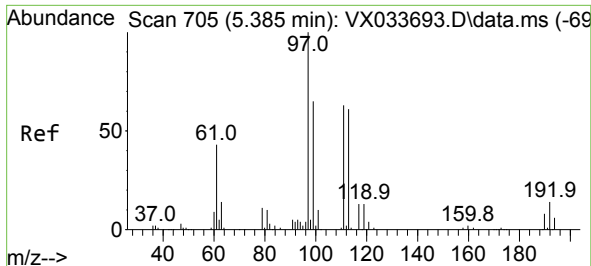
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.7 0.0 30.6

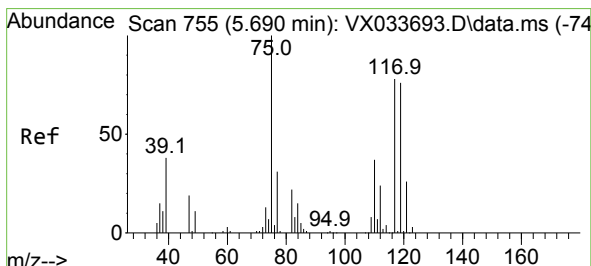
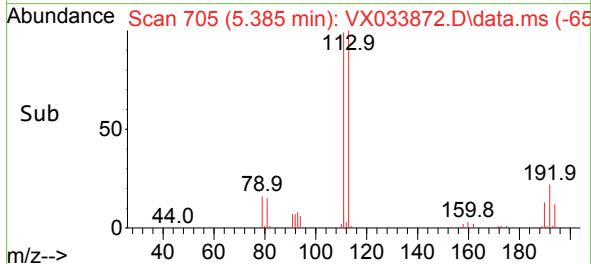
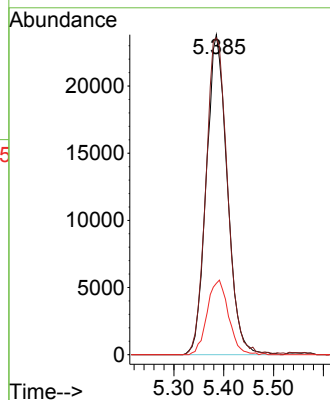
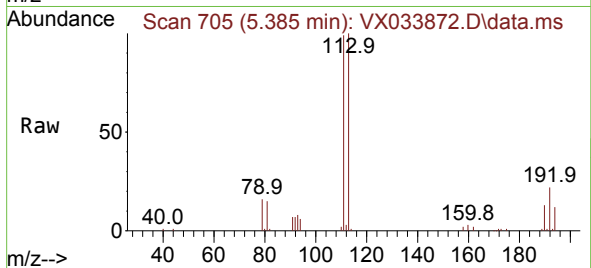




#35
Dibromofluoromethane
Concen: 49.457 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

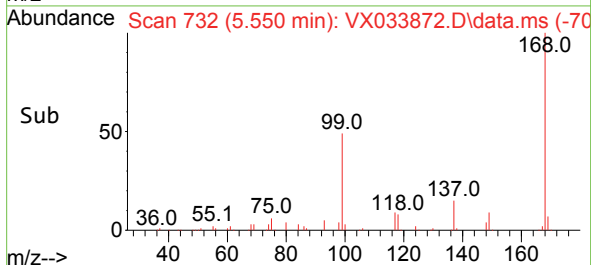
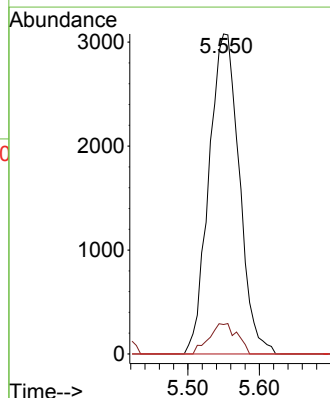
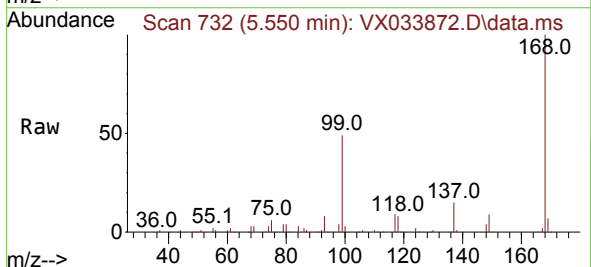
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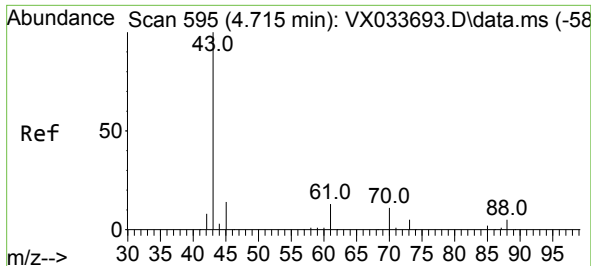
Tgt Ion:113 Resp: 69464
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.6
192 23.7 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.425 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 75 Resp: 9070
Ion Ratio Lower Upper
75 100
110 8.8 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 8.354 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

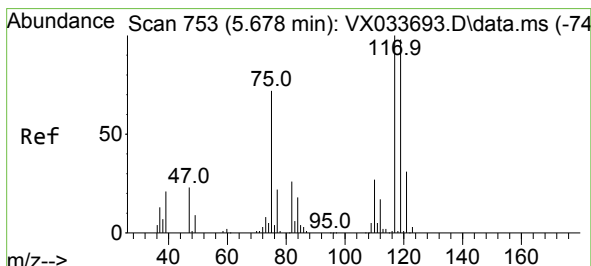
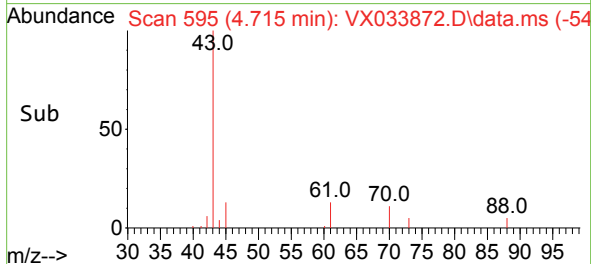
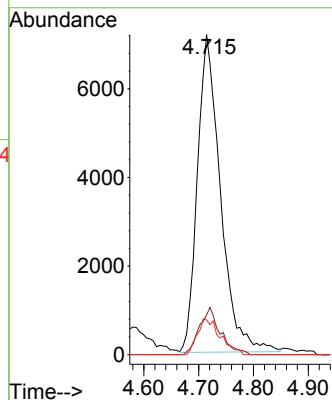
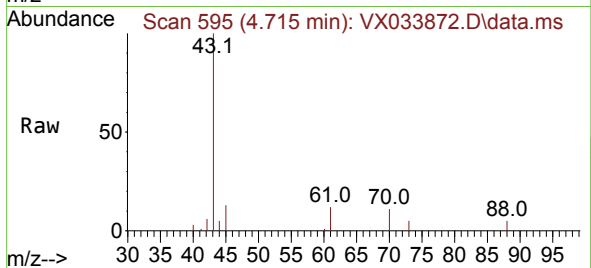
Instrument :

MSVOA_X

ClientSampleId :

TP-28

Tgt Ion:	43	Resp:	20995
Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	11.2	8.5	12.7



#38

Carbon Tetrachloride

Concen: 6.204 ug/l

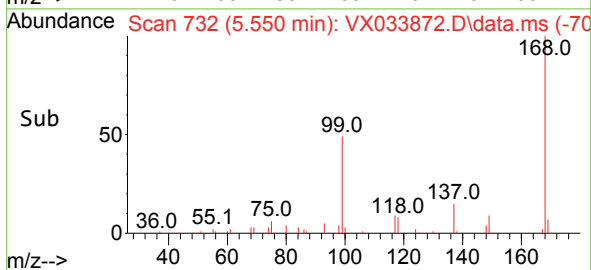
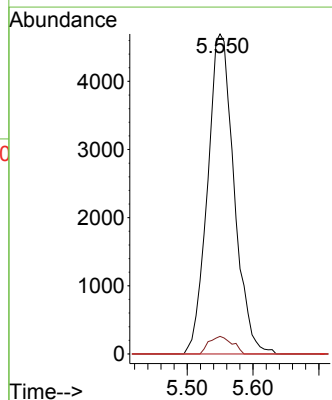
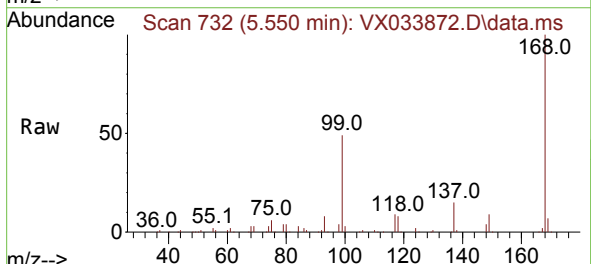
RT: 5.550 min Scan# 732

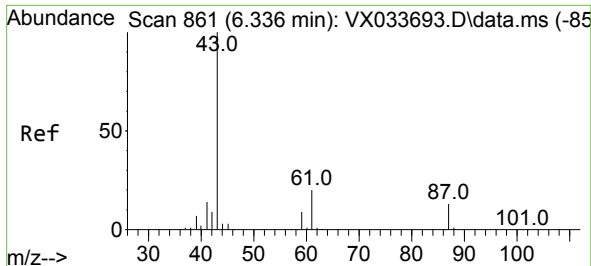
Delta R.T. -0.128 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Tgt Ion:	117	Resp:	13172
Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.0	117.0#
121	0.0	24.4	36.6#

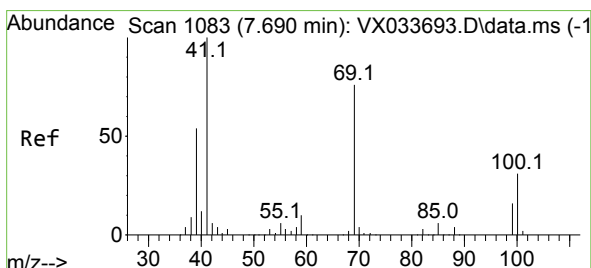
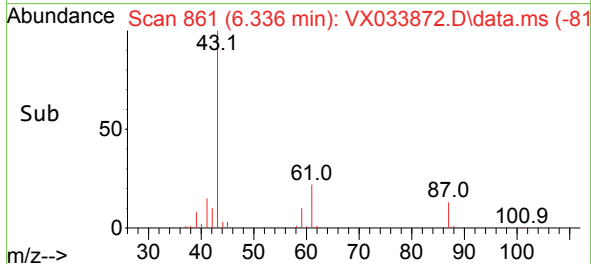
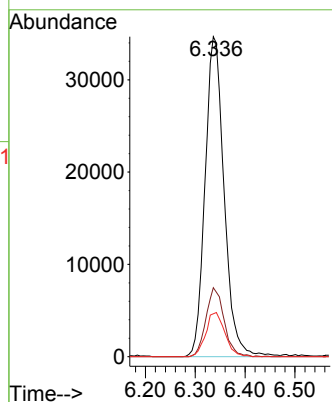
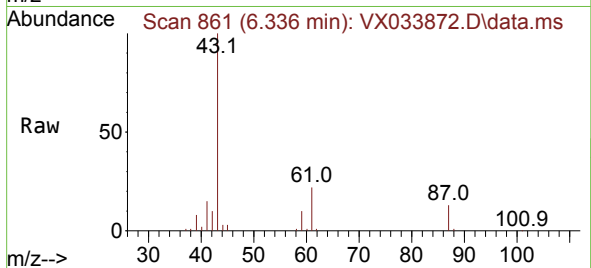




#43
Isopropyl Acetate
Concen: 28.425 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

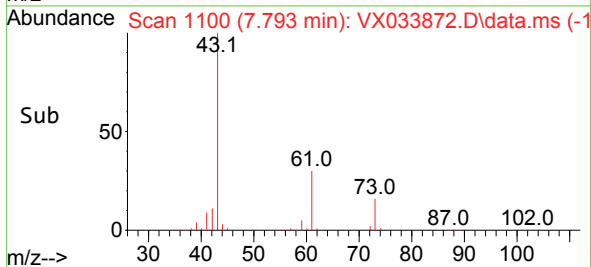
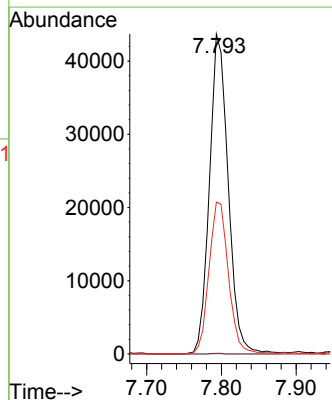
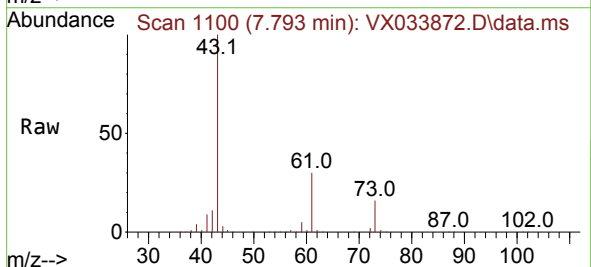
Instrument :
MSVOA_X
ClientSampleId :
TP-28

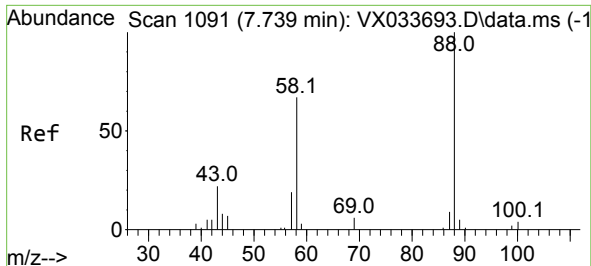
Tgt Ion:	43	Resp:	91985
Ion	Ratio	Lower	Upper
43	100		
61	20.5	15.7	23.5
87	13.9	10.6	15.8



#48
Methyl methacrylate
Concen: 46.810 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion:	41	Resp:	76306
Ion	Ratio	Lower	Upper
41	100		
69	0.1	63.1	94.7#
39	49.2	43.2	64.8

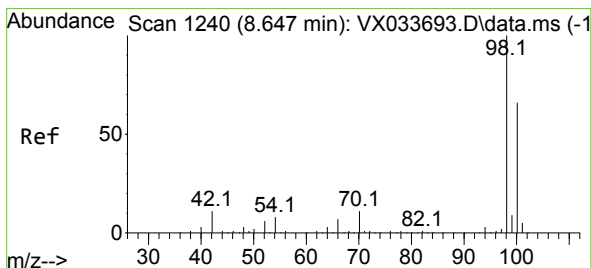
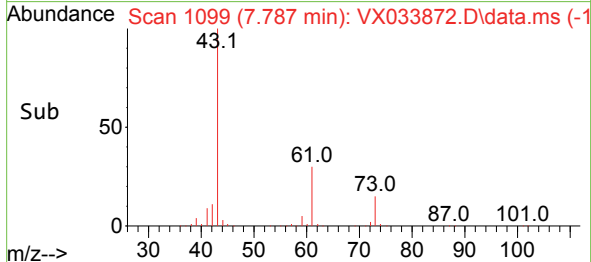
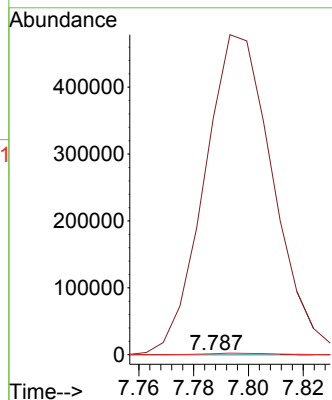
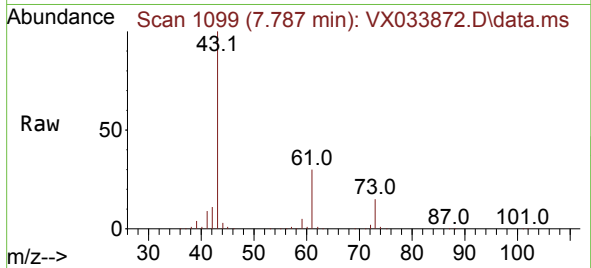




#49
1,4-Dioxane
Concen: 2.191 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.049 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

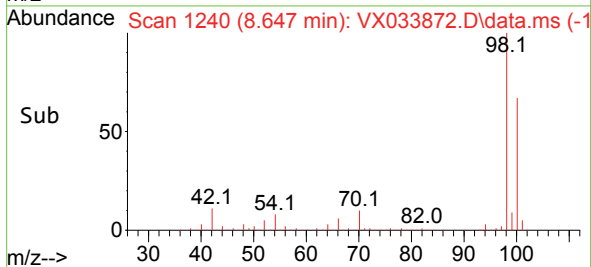
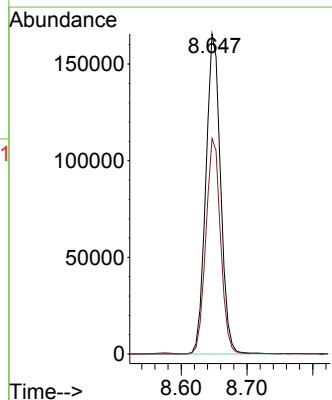
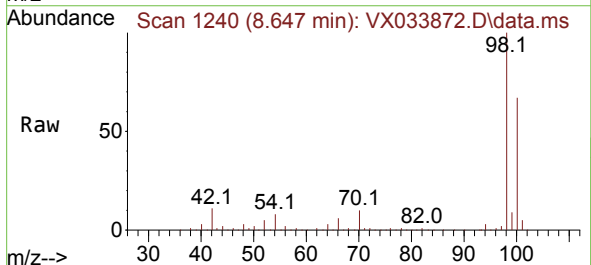
Instrument :
MSVOA_X
ClientSampleId :
TP-28

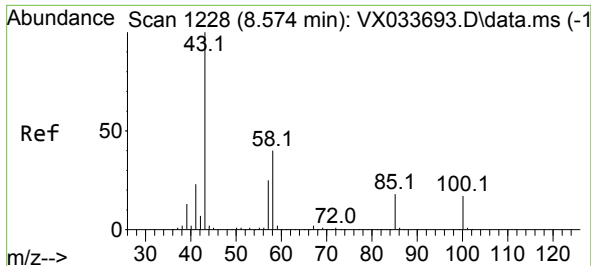
Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 1075602.5 0.0 0.0#
58 4810.1 56.5 84.7#



#50
Toluene-d8
Concen: 50.333 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 98 Resp: 257578
Ion Ratio Lower Upper
98 100
100 67.6 53.6 80.4

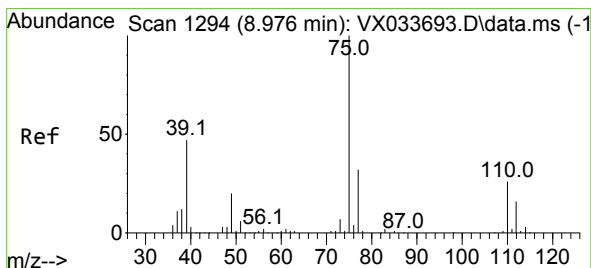
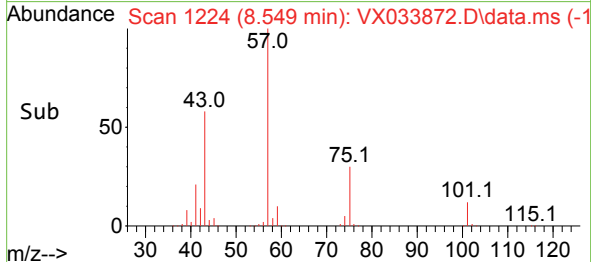
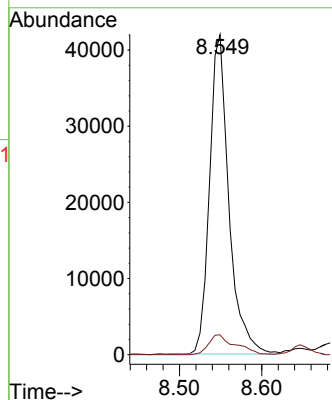
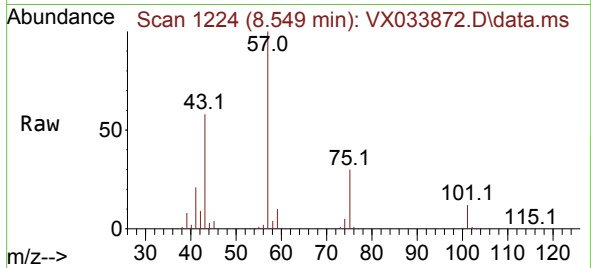




#51
4-Methyl-2-Pentanone
Concen: 34.412 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

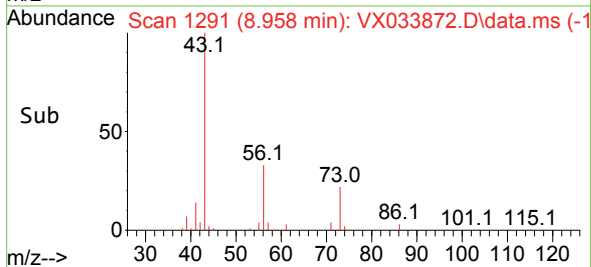
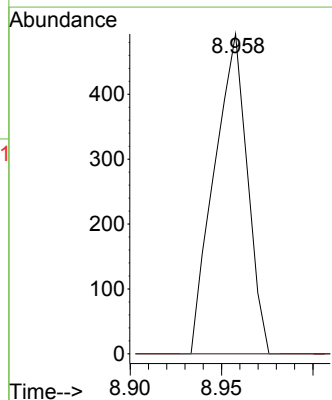
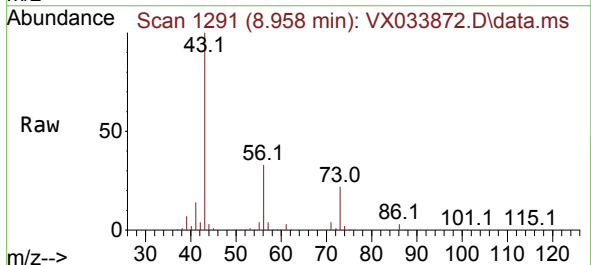
Instrument :
MSVOA_X
ClientSampleId :
TP-28

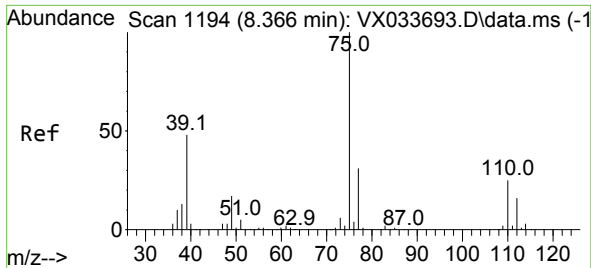
Tgt Ion: 43 Resp: 68392
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.309 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 75 Resp: 623
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

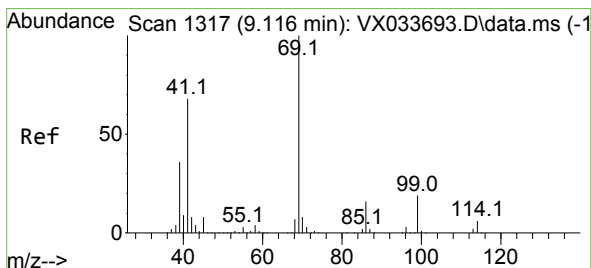
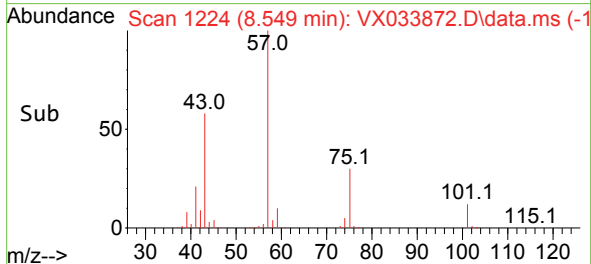
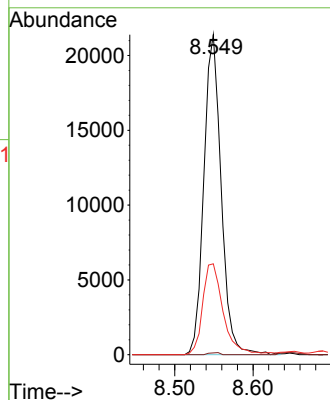
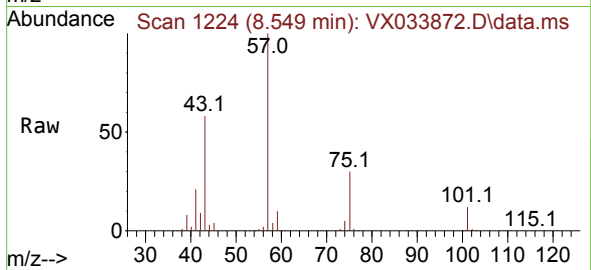




#54
cis-1,3-Dichloropropene
Concen: 14.546 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

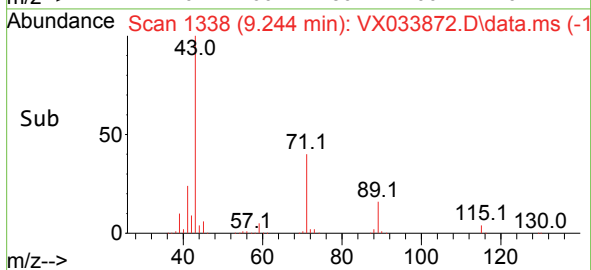
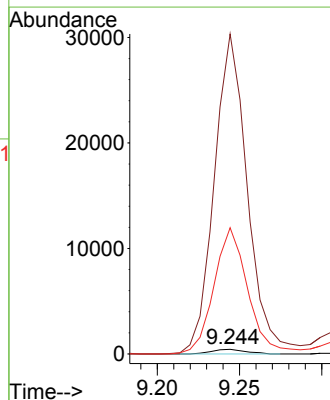
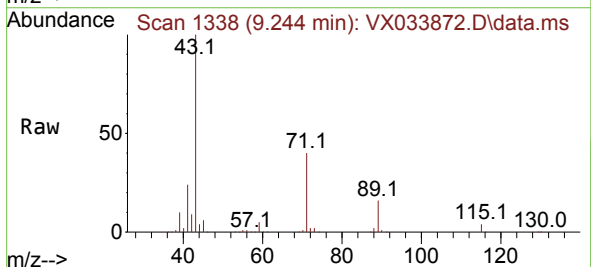
Instrument :
MSVOA_X
ClientSampleId :
TP-28

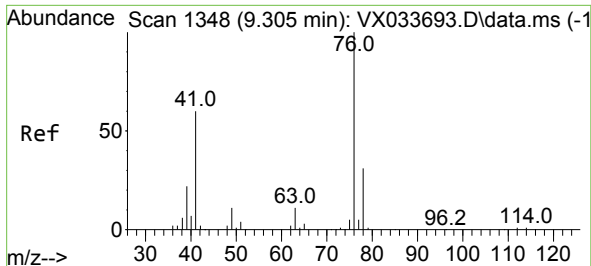
Tgt Ion: 75 Resp: 32841
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.6#
39 28.4 38.6 58.0#



#56
Ethyl methacrylate
Concen: 0.290 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 69 Resp: 624
Ion Ratio Lower Upper
69 100
41 6852.6 55.1 82.7#
39 2756.7 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.756 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

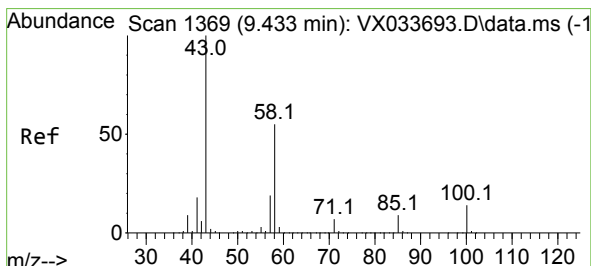
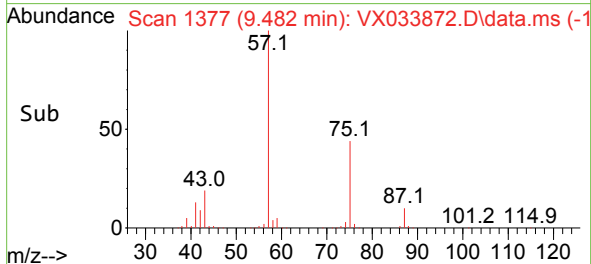
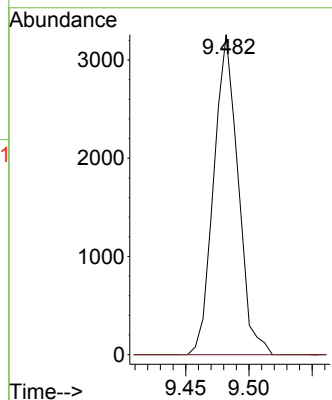
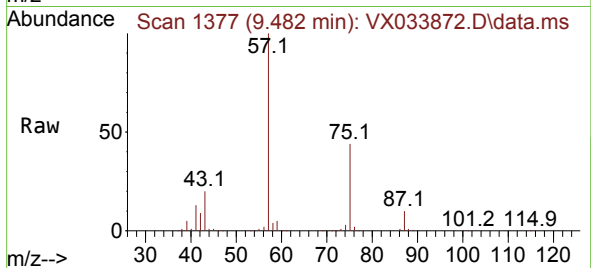
TP-28

Tgt Ion: 76 Resp: 4349

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 40.856 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033872.D

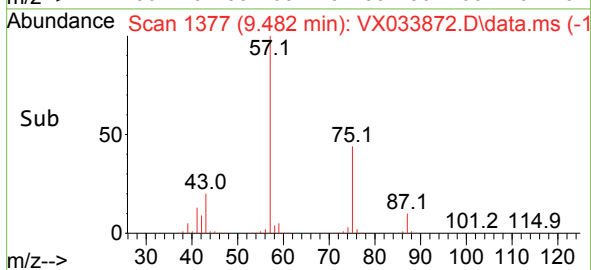
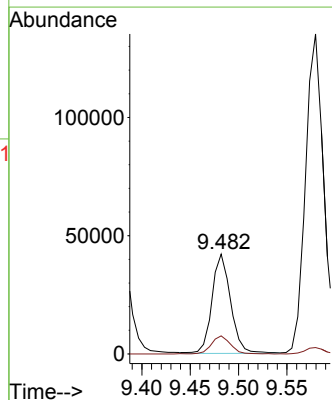
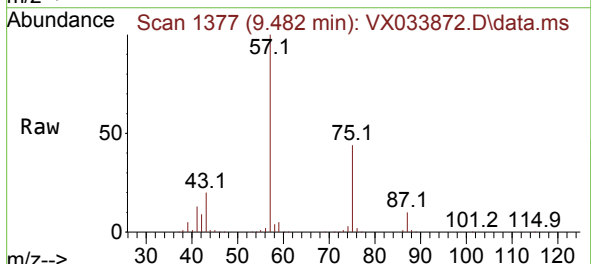
Acq: 24 Jan 2023 17:07

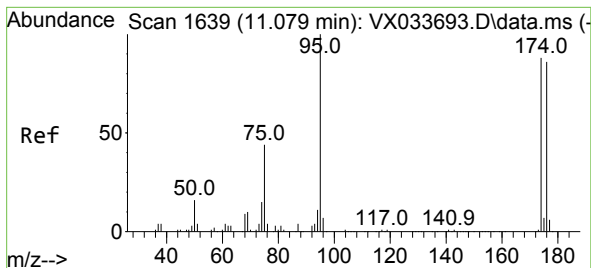
Tgt Ion: 43 Resp: 56515

Ion Ratio Lower Upper

43 100

58 18.9 27.4 82.0#

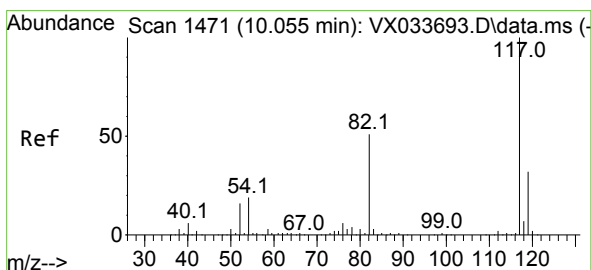
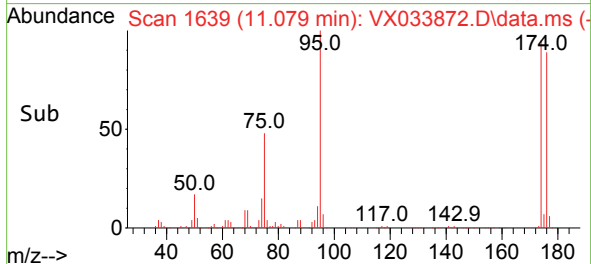
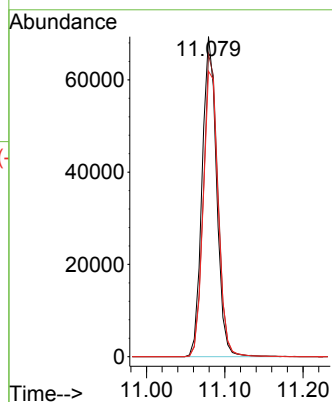
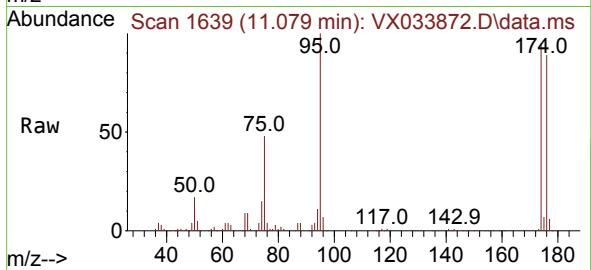




#62
4-Bromofluorobenzene
Concen: 46.860 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

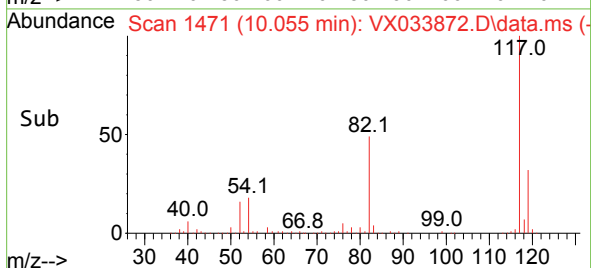
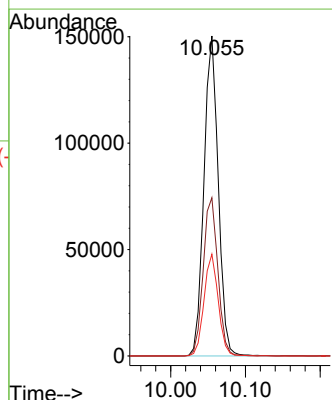
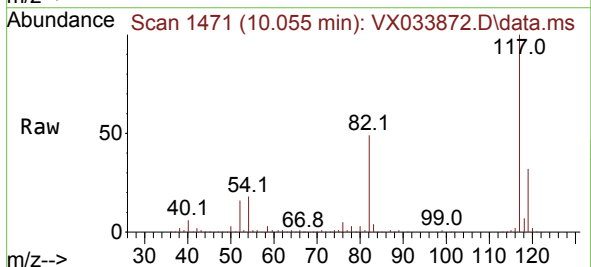
Instrument :
MSVOA_X
ClientSampleId :
TP-28

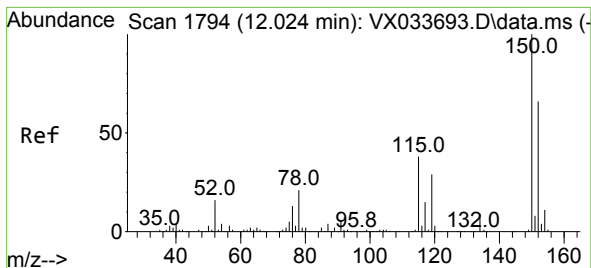
Tgt Ion: 95 Resp: 89035
Ion Ratio Lower Upper
95 100
174 95.7 0.0 184.4
176 92.4 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 117 Resp: 199691
Ion Ratio Lower Upper
117 100
82 49.4 40.6 60.8
119 31.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

TP-28

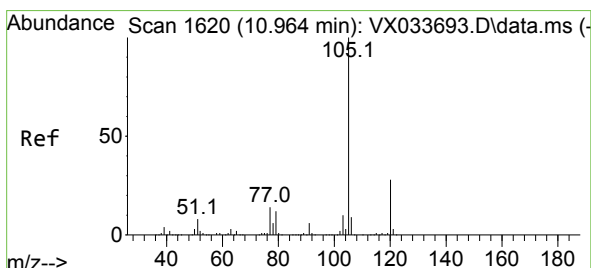
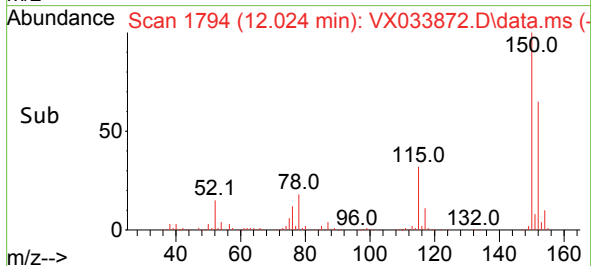
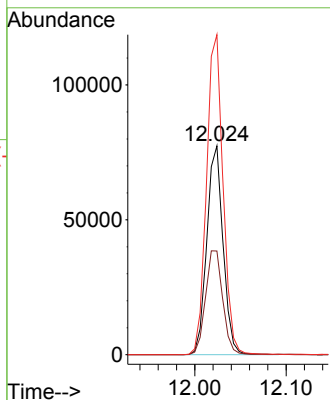
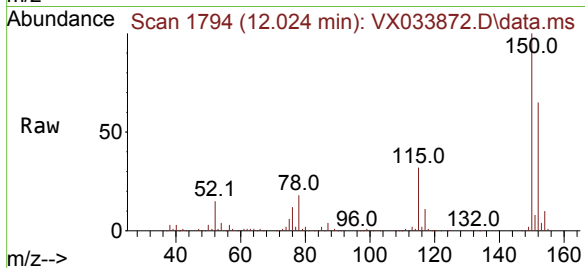
Tgt Ion:152 Resp: 95504

Ion Ratio Lower Upper

152 100

115 52.7 38.7 116.1

150 155.6 0.0 348.2



#73

Isopropylbenzene

Concen: Below Cal

RT: 11.091 min Scan# 1641

Delta R.T. 0.127 min

Lab File: VX033872.D

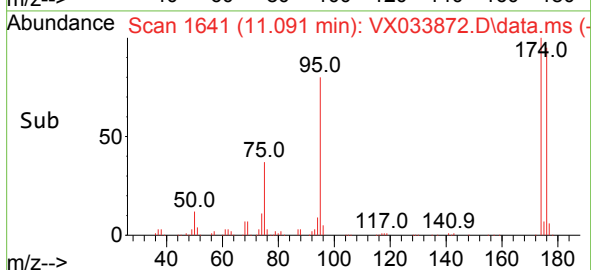
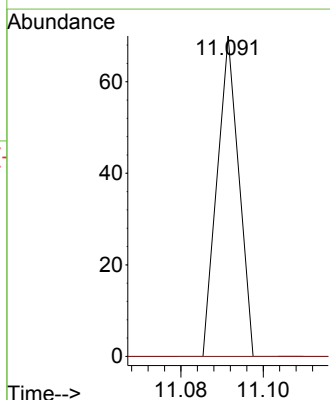
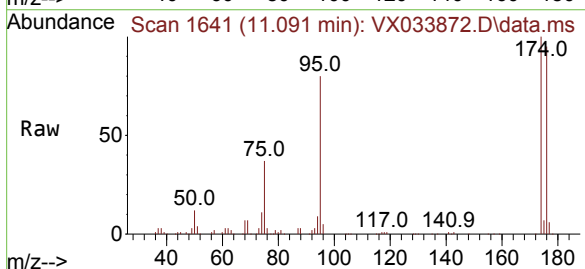
Acq: 24 Jan 2023 17:07

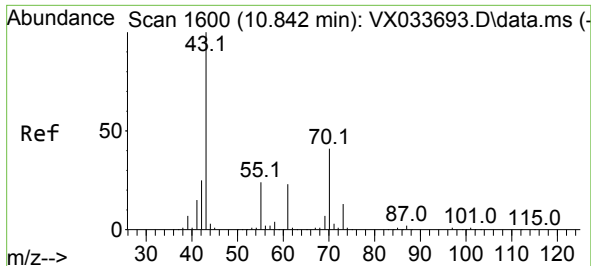
Tgt Ion:105 Resp: 26

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#

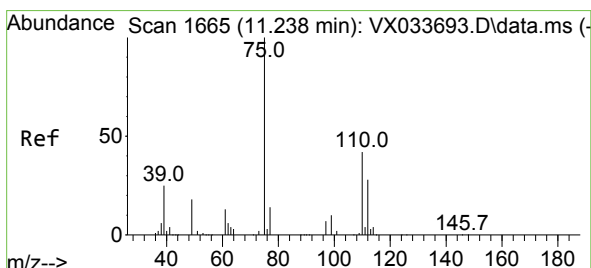
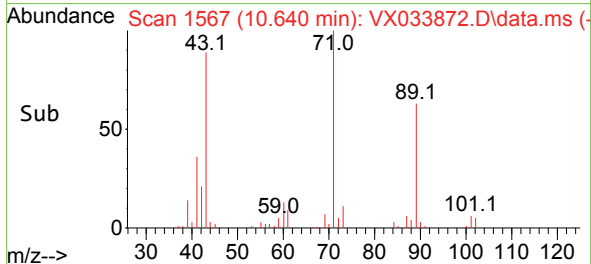
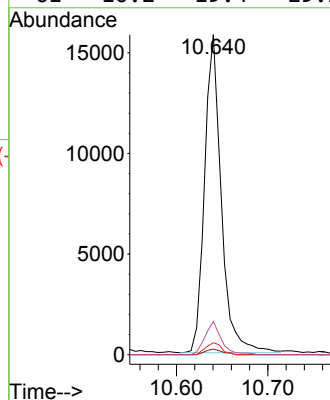
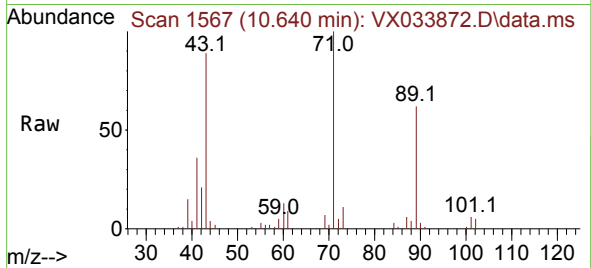




#74
N-ethyl acetate
Concen: 8.008 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

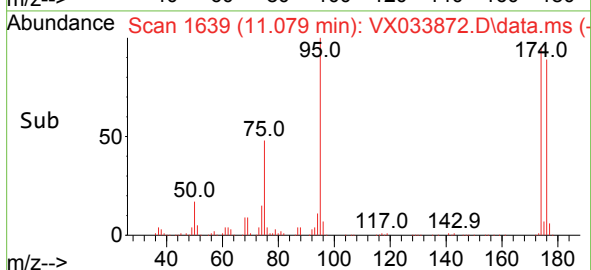
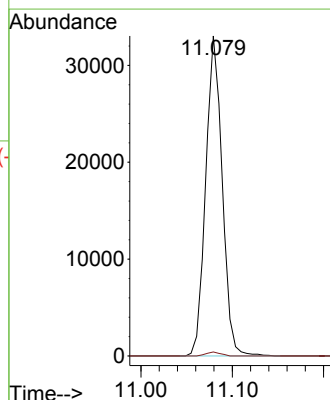
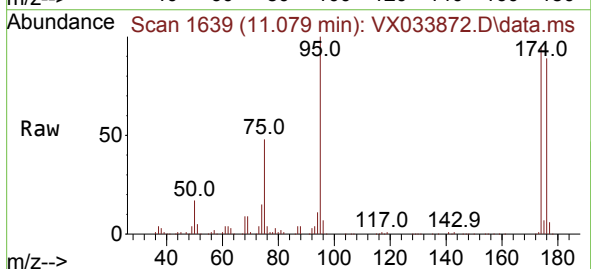
Instrument :
MSVOA_X
ClientSampleId :
TP-28

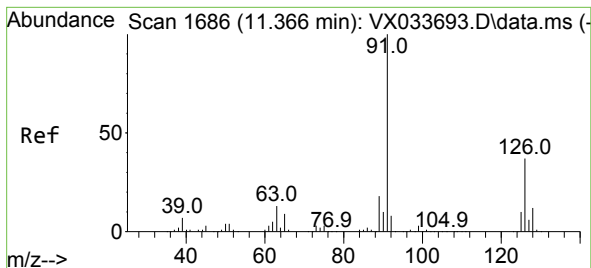
Tgt Ion: 43	Resp: 20084
Ion Ratio	Lower Upper
43	100
70	1.8 34.8 52.2#
55	3.6 19.4 29.0#
61	10.2 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 23.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033872.D
Acq: 24 Jan 2023 17:07

Tgt Ion: 75	Resp: 41502
Ion Ratio	Lower Upper
75	100
77	1.1 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.305 min Scan# 1

Delta R.T. -0.061 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

Instrument :

MSVOA_X

ClientSampleId :

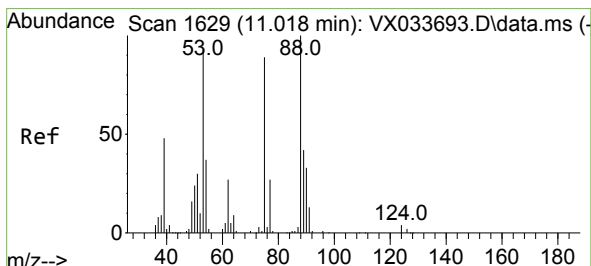
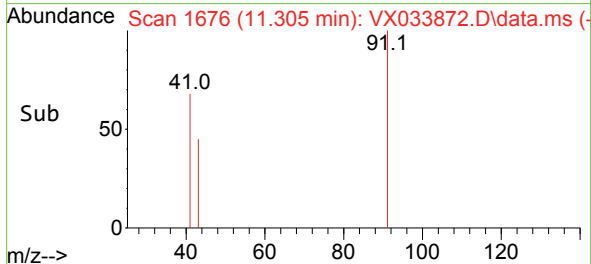
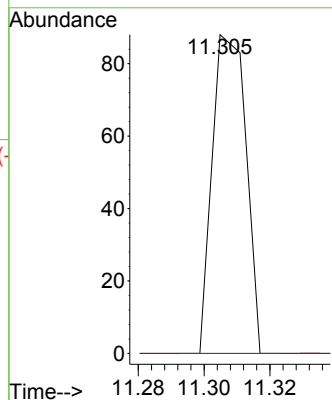
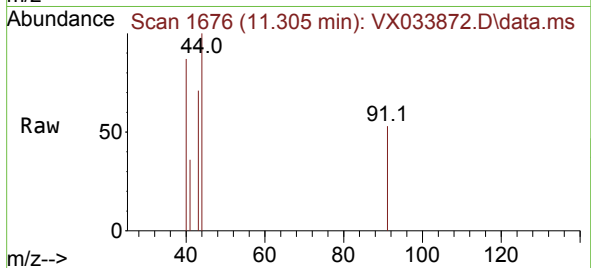
TP-28

Tgt Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.506 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033872.D

Acq: 24 Jan 2023 17:07

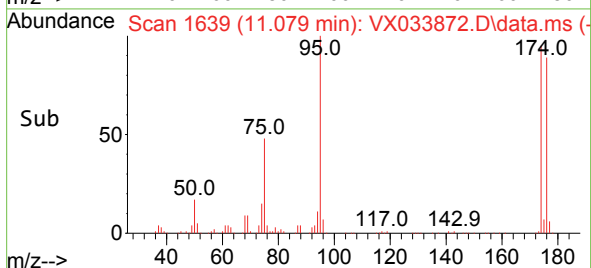
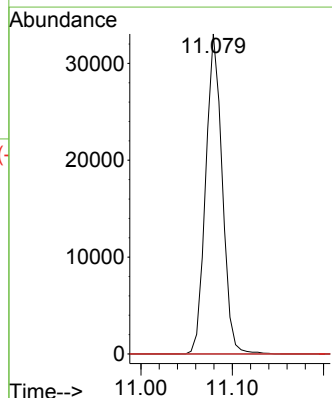
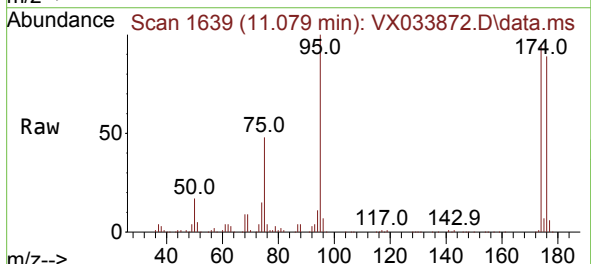
Tgt Ion: 75 Resp: 41502

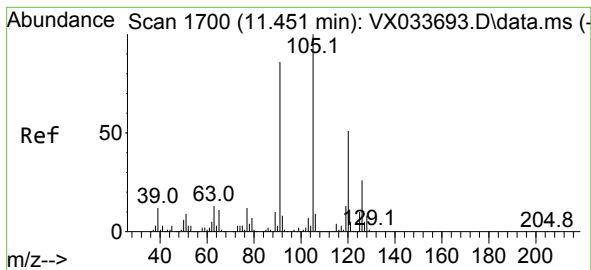
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033872.D
 Acq: 24 Jan 2023 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-28

Tgt Ion: 91 Resp: 21
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

