

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036416.D
 Acq On : 05 Jul 2023 20:04
 Operator : JC/MD
 Sample : 03492-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-TP2

Quant Time: Jul 06 04:57:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

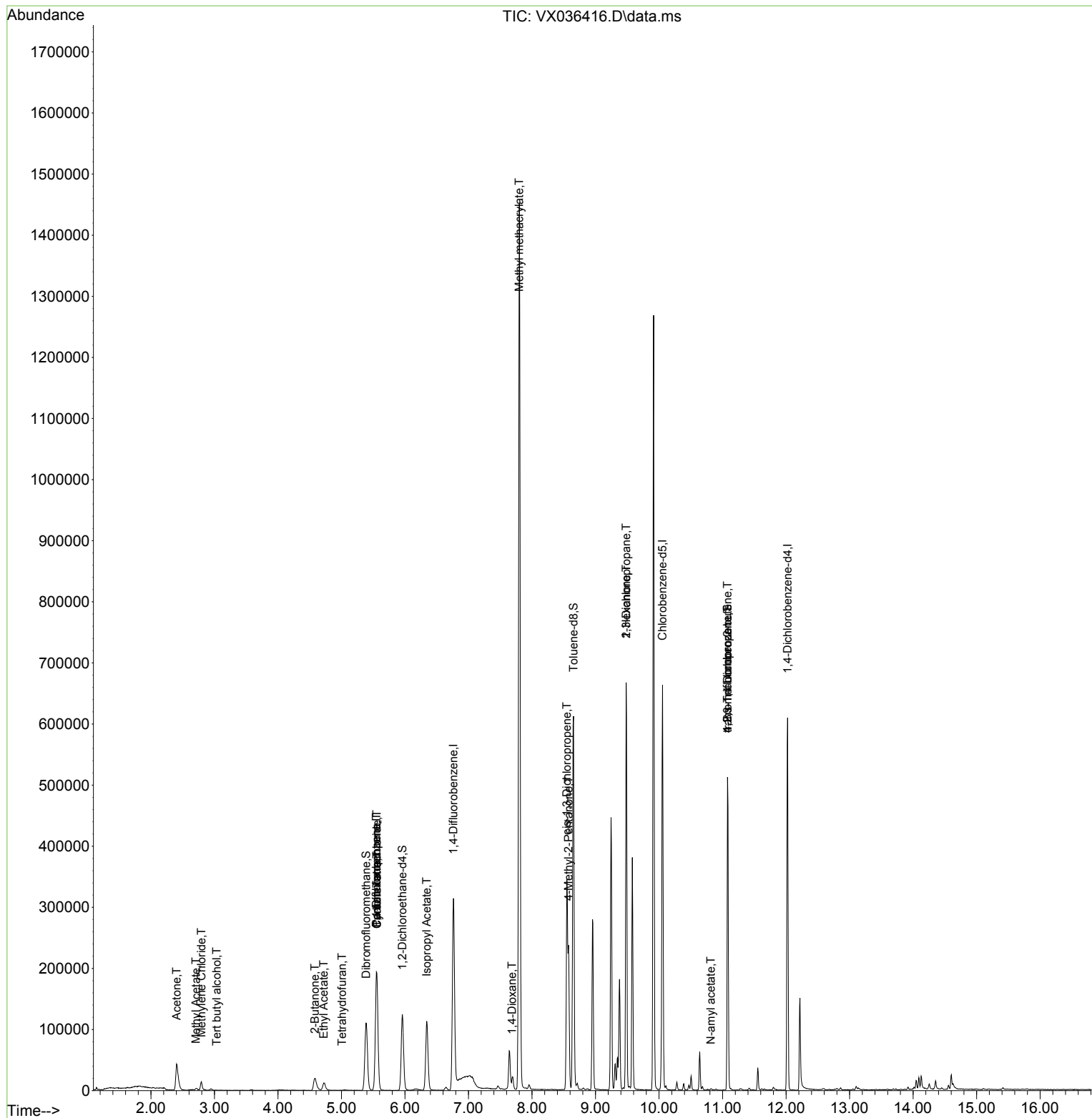
Internal Standards						
1) Pentafluorobenzene	5.549	168	183966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	311663	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	119370	45.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.540%		
35) Dibromofluoromethane	5.385	113	96535	46.975	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.960%		
50) Toluene-d8	8.653	98	371830	48.444	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.880%		
62) 4-Bromofluorobenzene	11.079	95	133086	49.226	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.460%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.032	59	231	0.481	ug/l #	78
16) Acetone	2.404	43	76685	68.035	ug/l	99
18) Methyl Acetate	2.708	43	3326	0.718	ug/l	98
20) Methylene Chloride	2.794	84	6683	2.754	ug/l	86
25) 2-Butanone	4.580	43	39469	24.372	ug/l	98
29) Tetrahydrofuran	5.007	42	227	0.220	ug/l #	34
31) Cyclohexane	5.556	56	4131	1.222	ug/l #	4
36) 1,1-Dichloropropene	5.549	75	15229	4.971	ug/l #	50
37) Ethyl Acetate	4.720	43	23020	7.373	ug/l	97
38) Carbon Tetrachloride	5.556	117	18954	6.775	ug/l #	15
43) Isopropyl Acetate	6.342	43	156304	31.382	ug/l	98
48) Methyl methacrylate	7.799	41	126231	50.831	ug/l #	48
49) 1,4-Dioxane	7.683	88	24	0.436	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	234444	73.062	ug/l #	76
54) cis-1,3-Dichloropropene	8.549	75	53083	15.669	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	5593	1.448	ug/l #	42
59) 2-Hexanone	9.482	43	77227	32.957	ug/l #	53
74) N-amyl acetate	10.817	43	791	0.209	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	69733	25.798	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	69733	84.096	ug/l #	5

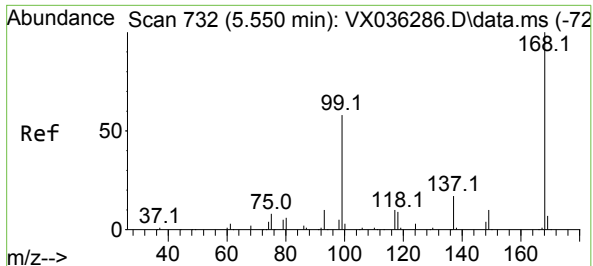
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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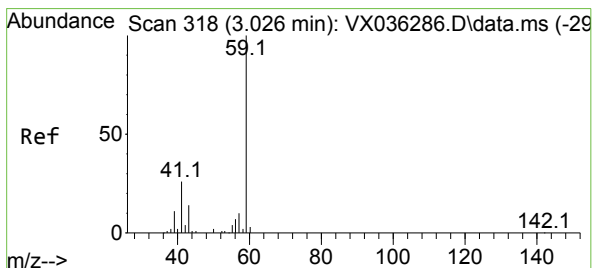
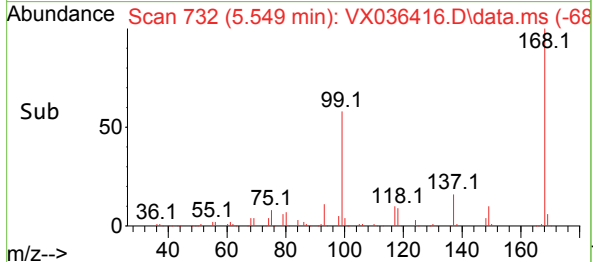
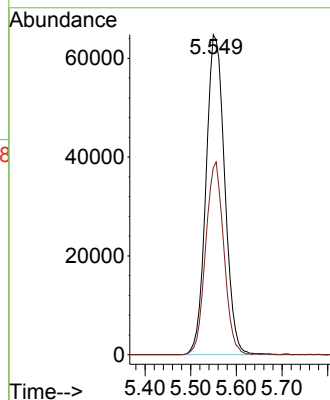
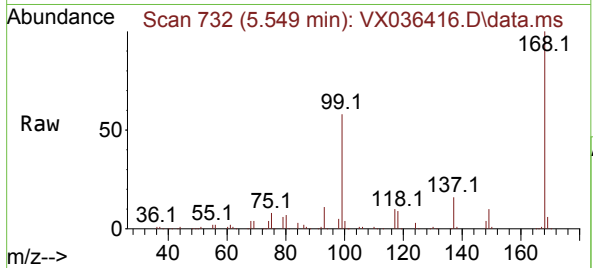




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

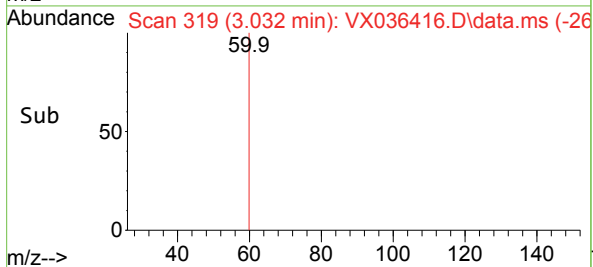
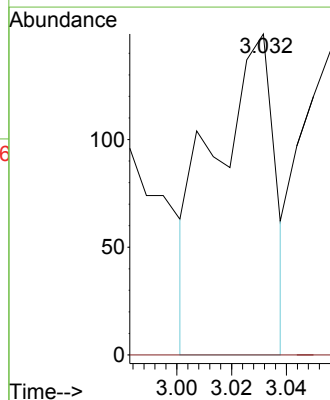
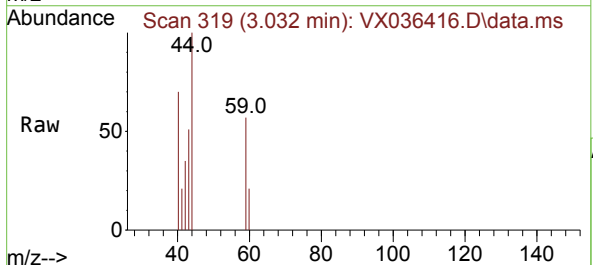
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

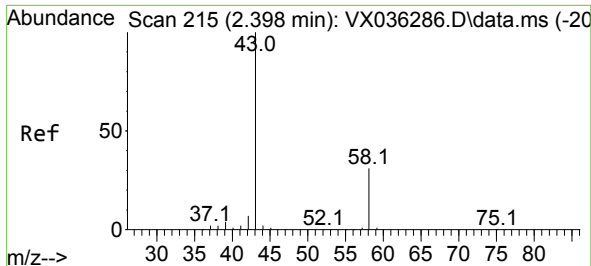
Tgt Ion:168 Resp: 183966
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.481 ug/l
RT: 3.032 min Scan# 319
Delta R.T. 0.019 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

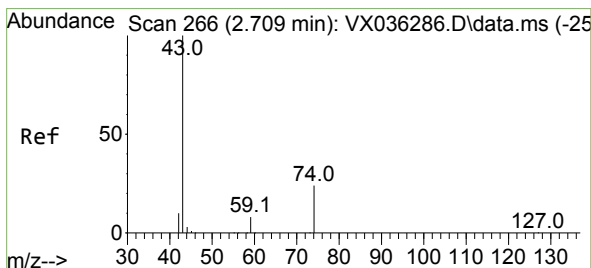
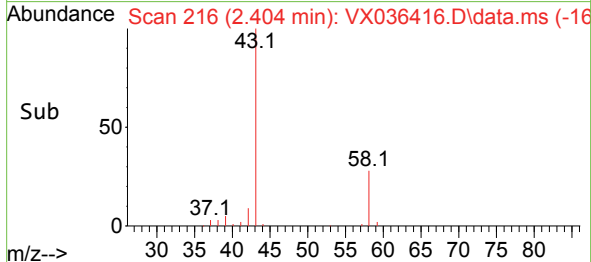
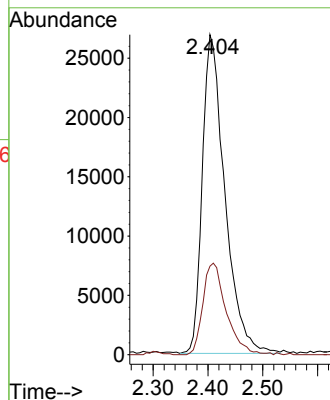
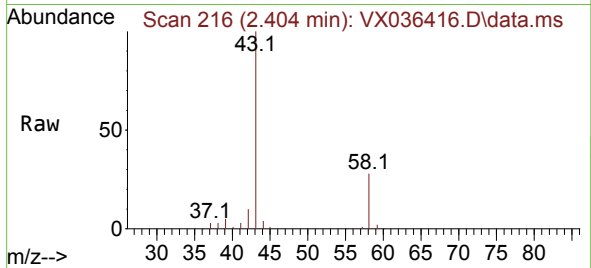




#16
Acetone
Concen: 68.035 ug/l
RT: 2.404 min Scan# 215
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

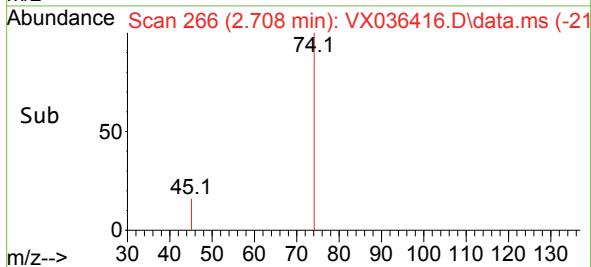
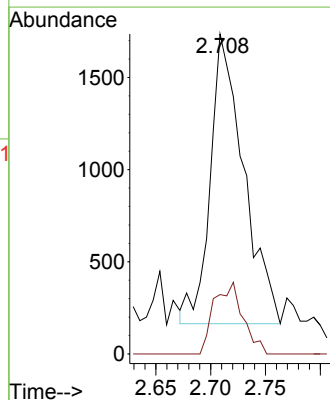
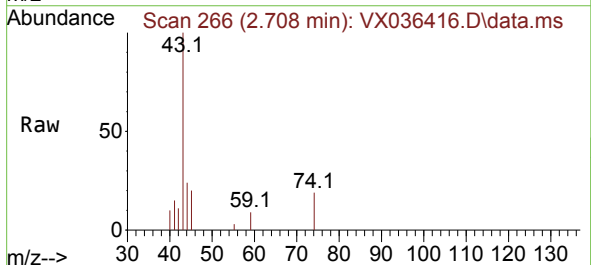
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

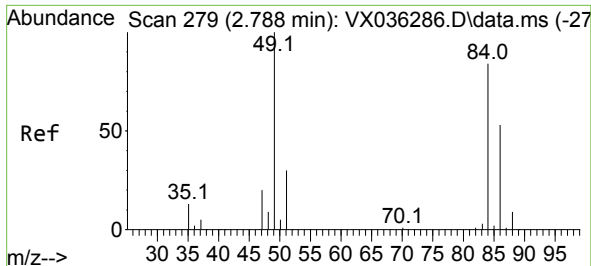
Tgt Ion: 43 Resp: 76685
Ion Ratio Lower Upper
43 100
58 27.8 21.9 32.9



#18
Methyl Acetate
Concen: 0.718 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.001 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 43 Resp: 3326
Ion Ratio Lower Upper
43 100
74 21.4 17.8 26.8

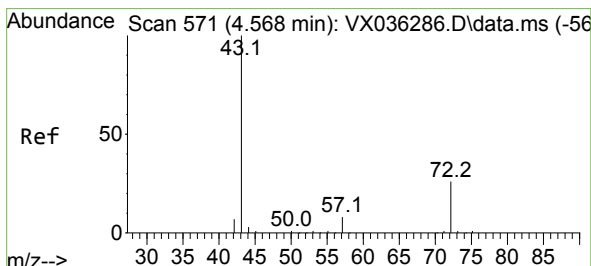
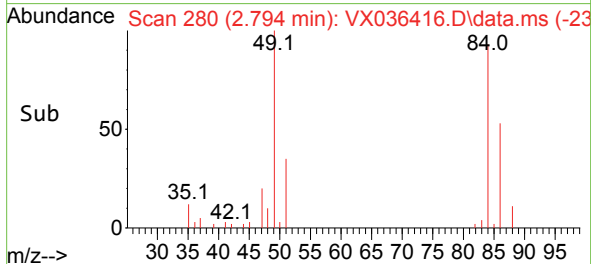
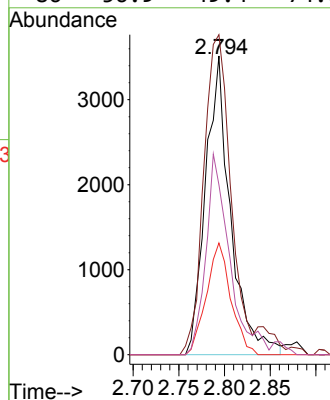
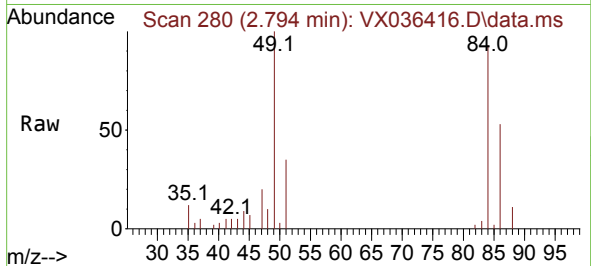




#20
Methylene Chloride
Concen: 2.754 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

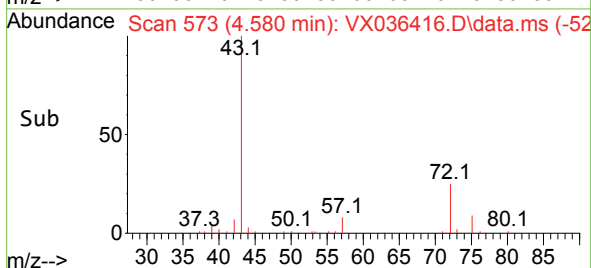
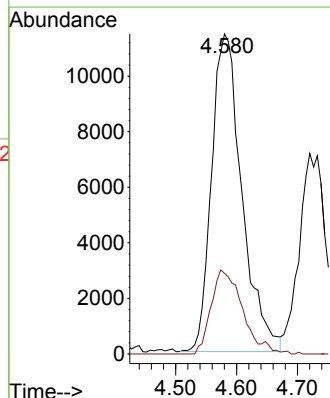
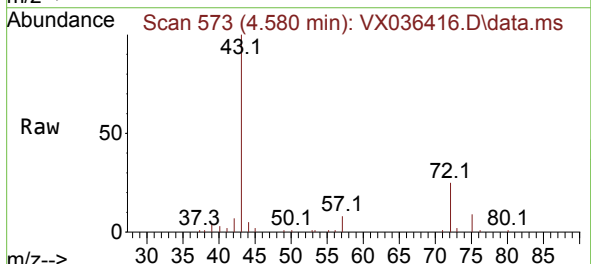
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

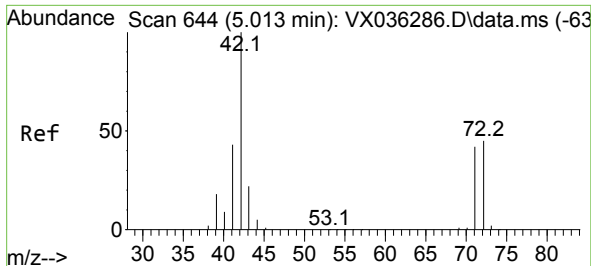
Tgt Ion: 84	Resp: 6683
Ion Ratio	Lower Upper
84 100	
49 107.1	103.6 155.4
51 37.4	33.8 50.6
86 56.9	49.4 74.0



#25
2-Butanone
Concen: 24.372 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 43	Resp: 39469		
Ion Ratio	Lower	Upper	
43 100			
72 25.4	19.4	29.2	





#29

Tetrahydrofuran

Concen: 0.220 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.012 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

TB-TP2

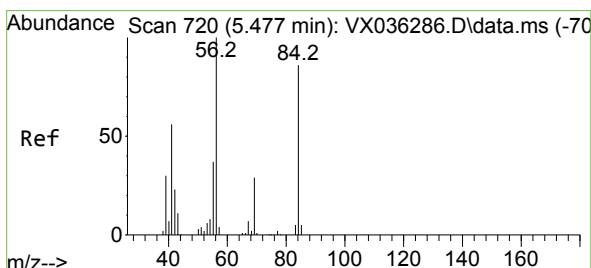
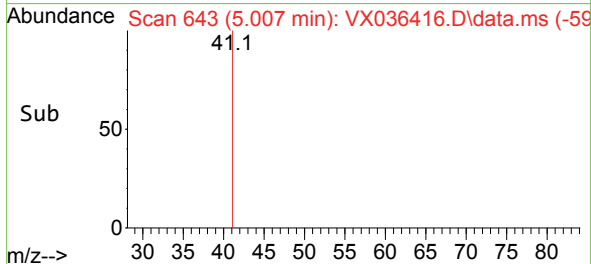
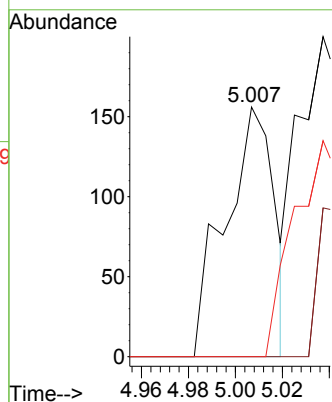
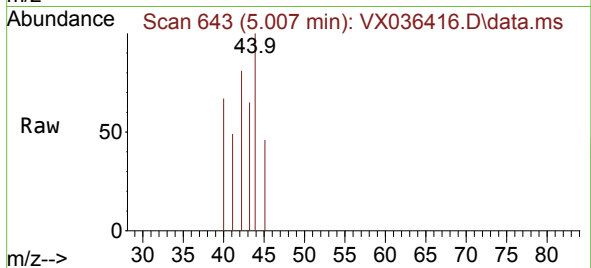
Tgt Ion: 42 Resp: 227

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

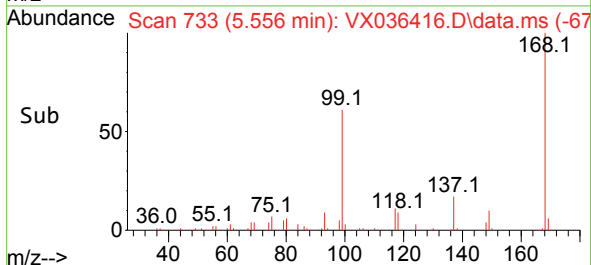
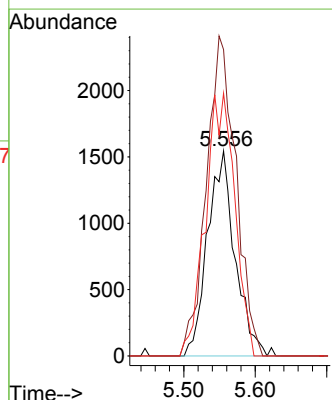
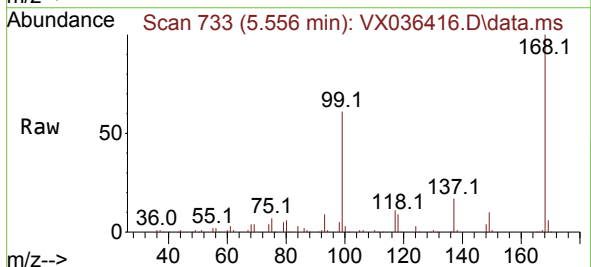
Tgt Ion: 56 Resp: 4131

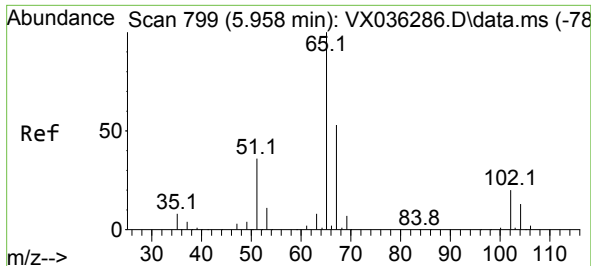
Ion Ratio Lower Upper

56 100

69 149.4 23.4 35.2#

84 128.2 65.9 98.9#

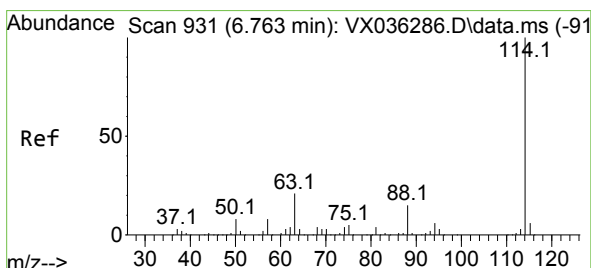
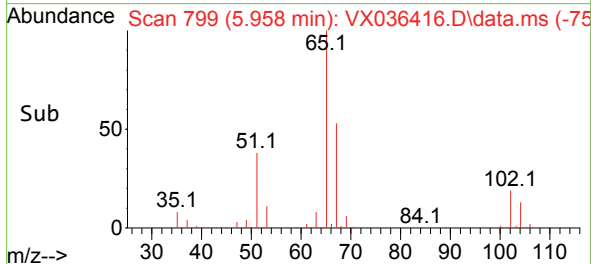
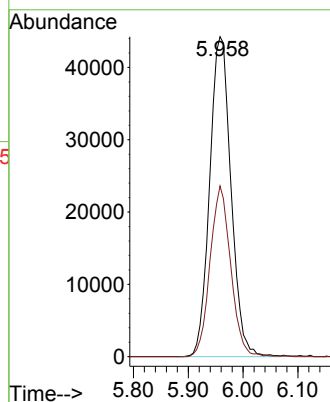
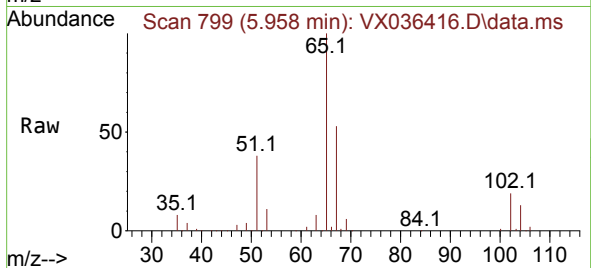




#33
1,2-Dichloroethane-d4
Concen: 45.267 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

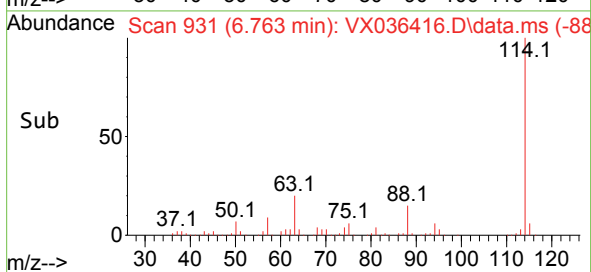
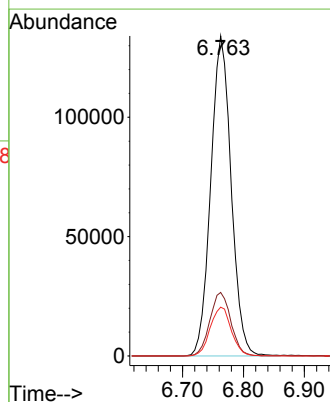
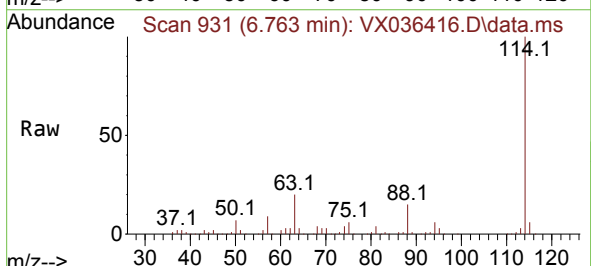
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ClientSampleId :
TB-TP2

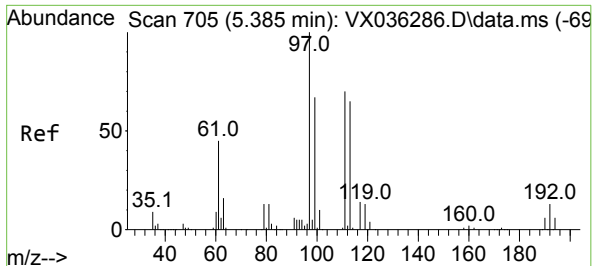
Tgt Ion: 65 Resp: 119370
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 114 Resp: 311663
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 15.3 0.0 36.6

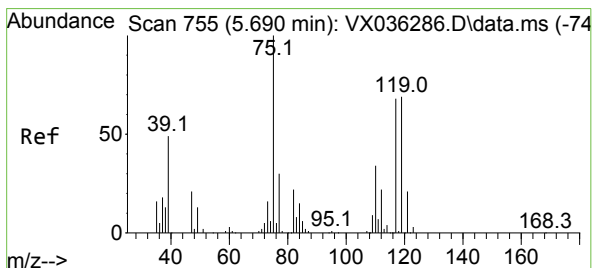
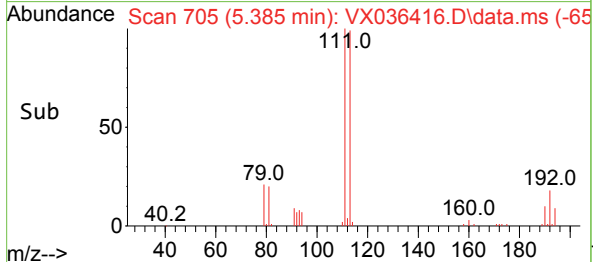
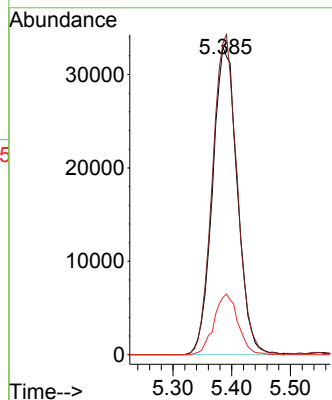
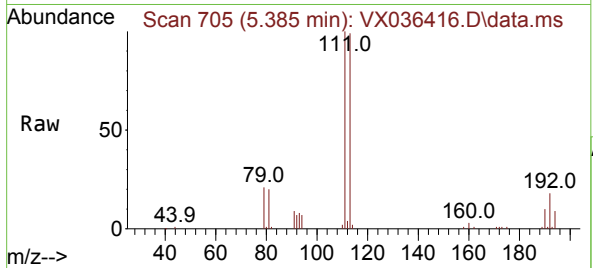




#35
Dibromofluoromethane
Concen: 46.975 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

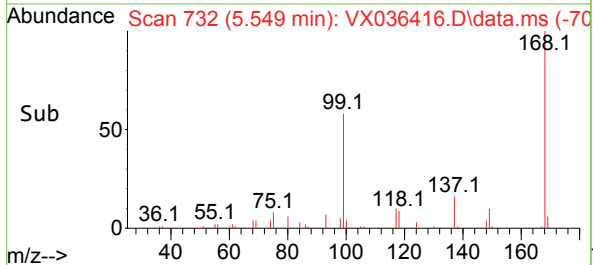
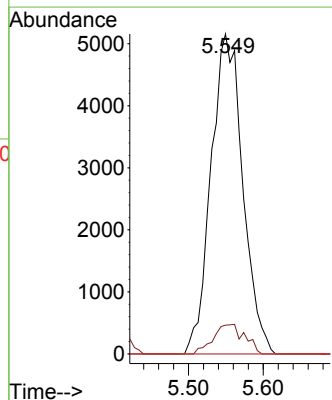
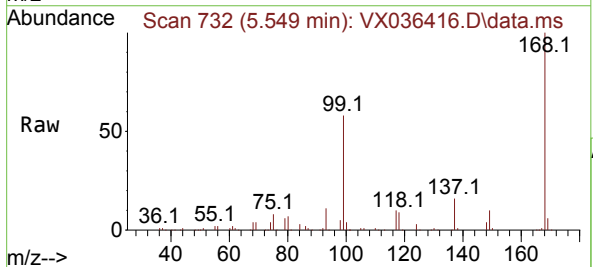
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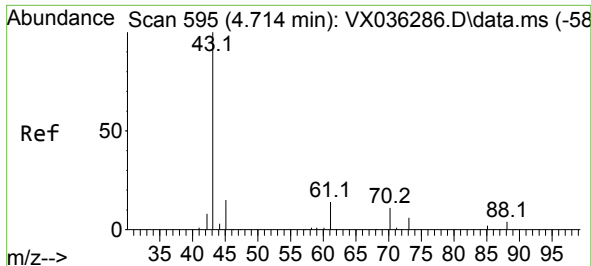
Tgt Ion:113 Resp: 96535
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 19.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.971 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.147 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 75 Resp: 15229
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.373 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

TB-TP2

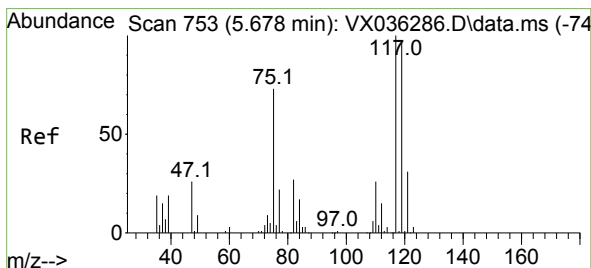
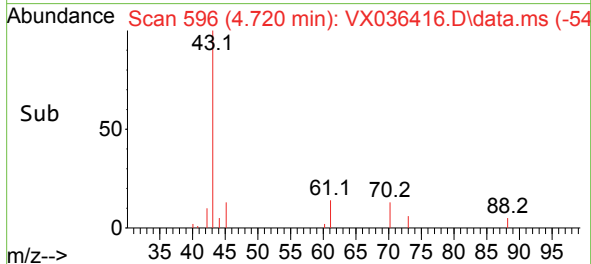
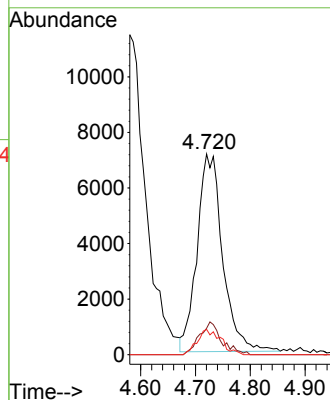
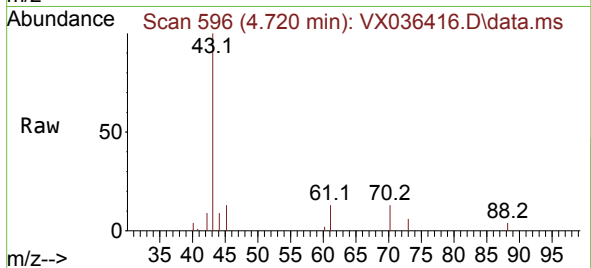
Tgt Ion: 43 Resp: 23020

Ion Ratio Lower Upper

43 100

61 14.3 10.6 16.0

70 11.7 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.775 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

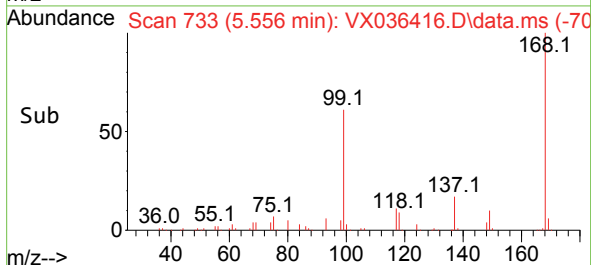
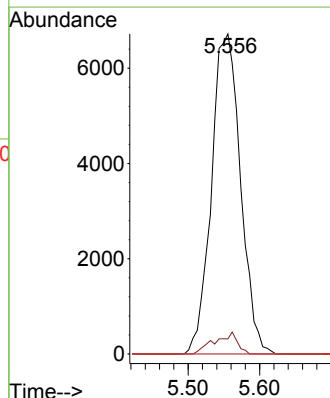
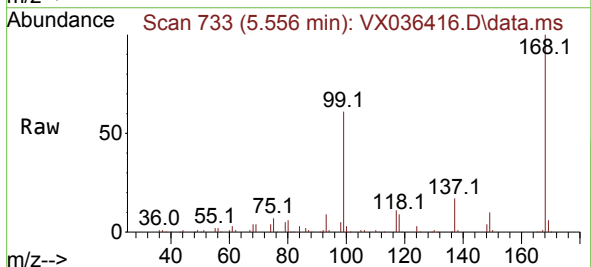
Tgt Ion:117 Resp: 18954

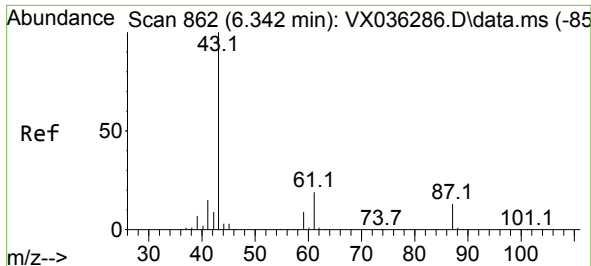
Ion Ratio Lower Upper

117 100

119 4.7 78.2 117.2#

121 0.0 24.4 36.6#

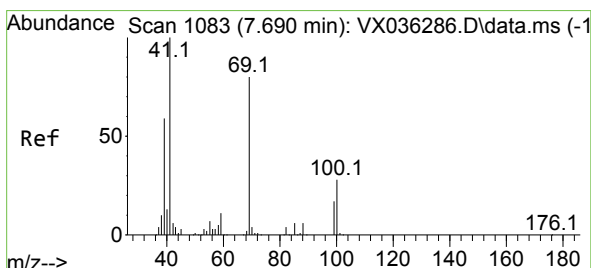
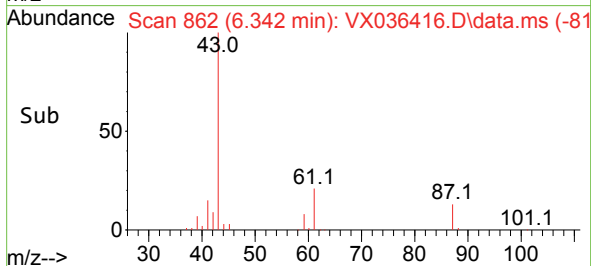
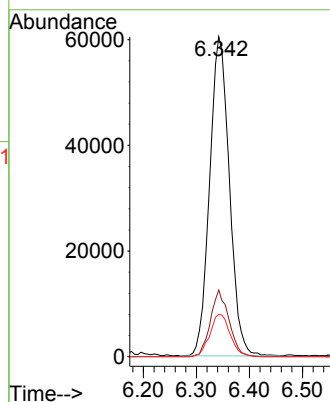
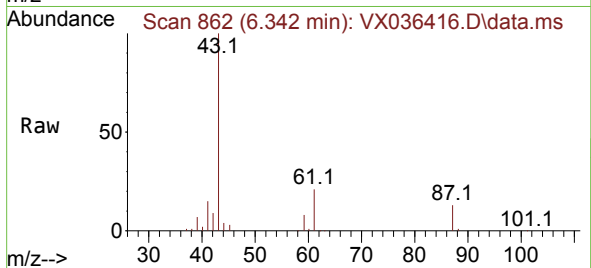




#43
Isopropyl Acetate
Concen: 31.382 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

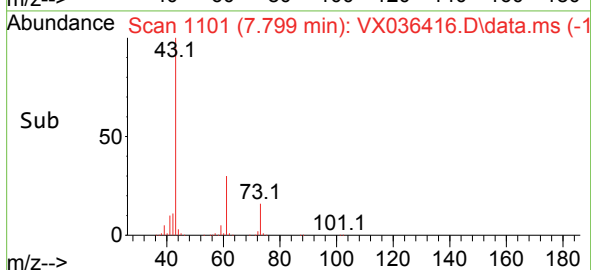
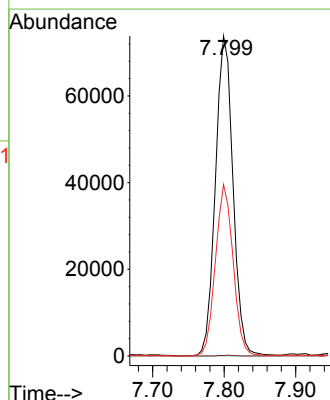
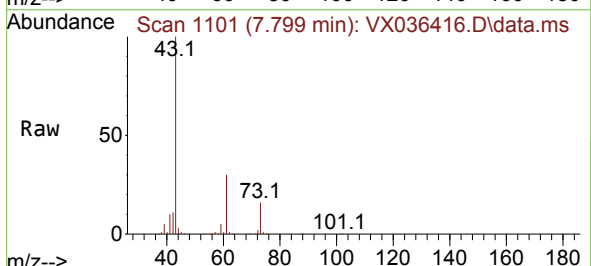
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

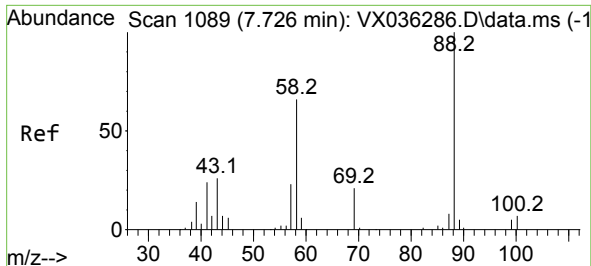
Tgt Ion: 43 Resp: 156304
Ion Ratio Lower Upper
43 100
61 19.6 15.2 22.8
87 13.7 9.8 14.6



#48
Methyl methacrylate
Concen: 50.831 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 41 Resp: 126231
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 53.9 47.7 71.5

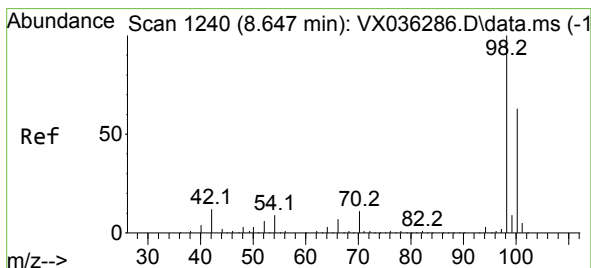
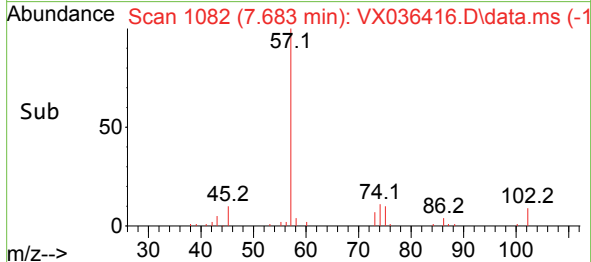
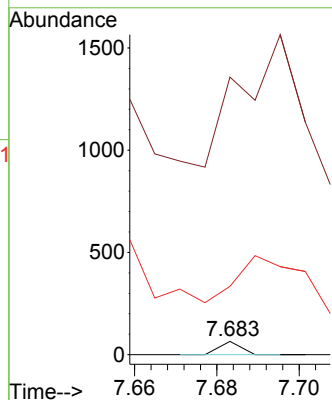
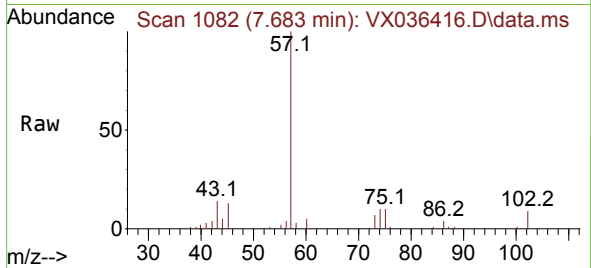




#49
1,4-Dioxane
Concen: 0.436 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. -0.049 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

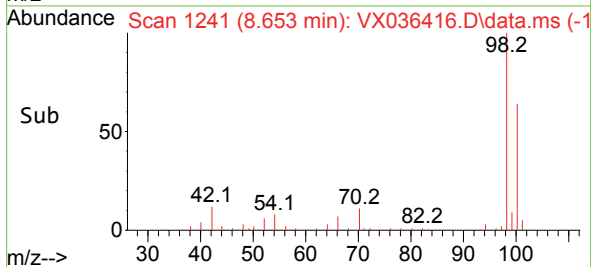
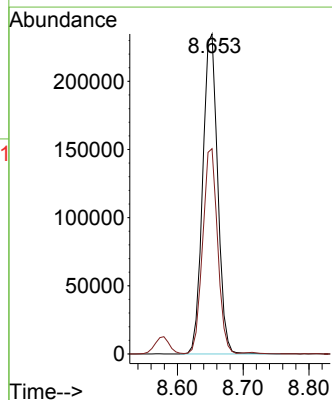
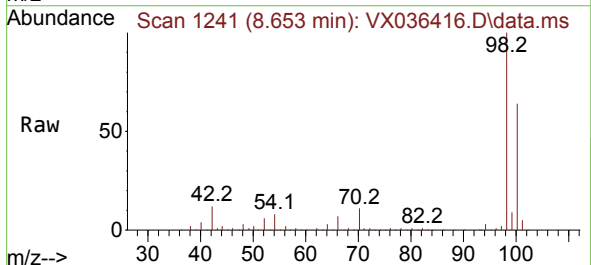
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

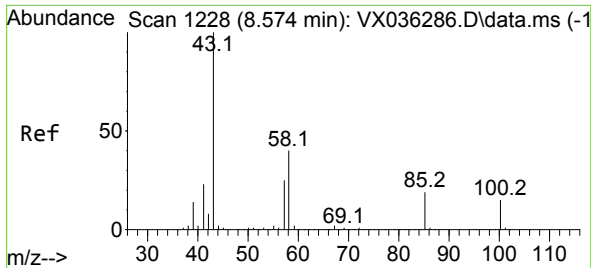
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 3266.7 60.1 90.1#



#50
Toluene-d8
Concen: 48.444 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 98 Resp: 371830
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

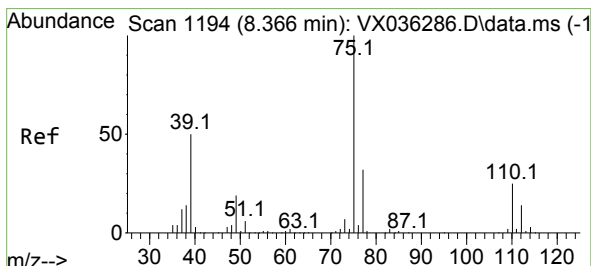
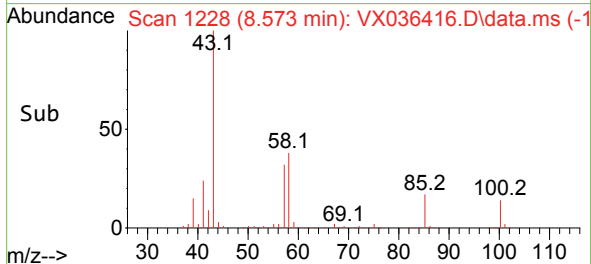
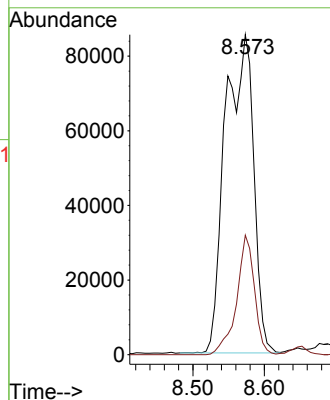
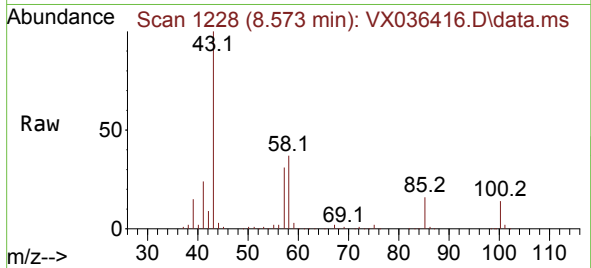




#51
4-Methyl-2-Pentanone
Concen: 73.062 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

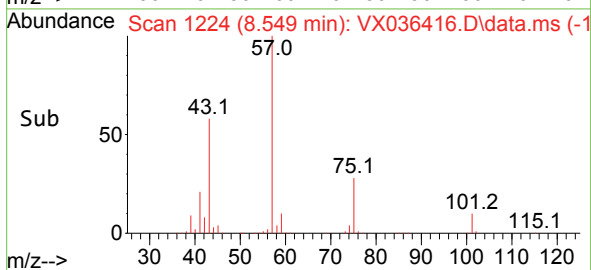
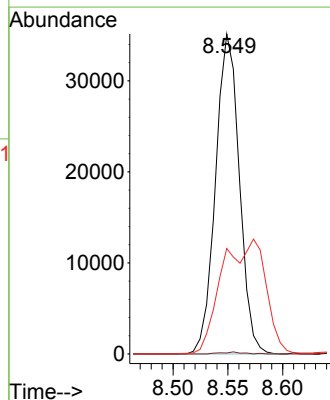
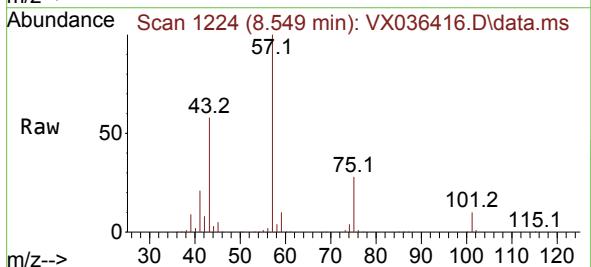
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

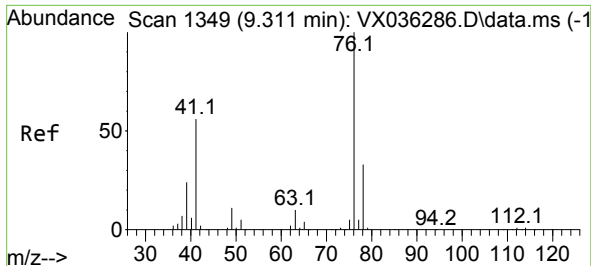
Tgt Ion: 43 Resp: 234444
Ion Ratio Lower Upper
43 100
58 23.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 15.669 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 75 Resp: 53083
Ion Ratio Lower Upper
75 100
77 0.3 25.3 37.9#
39 32.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.448 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

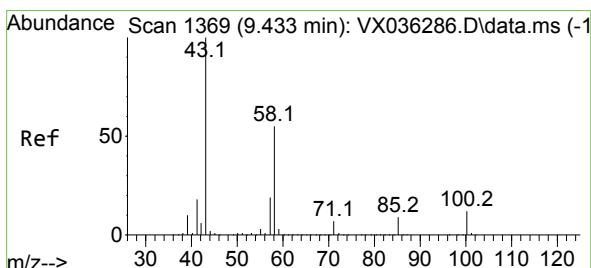
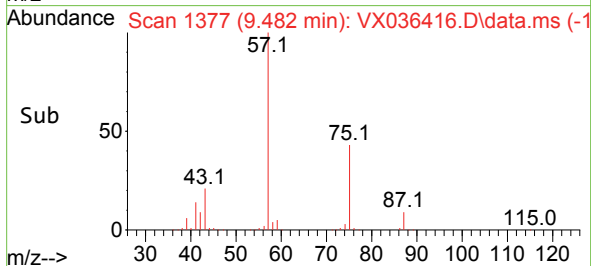
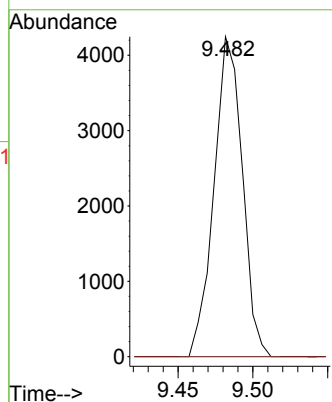
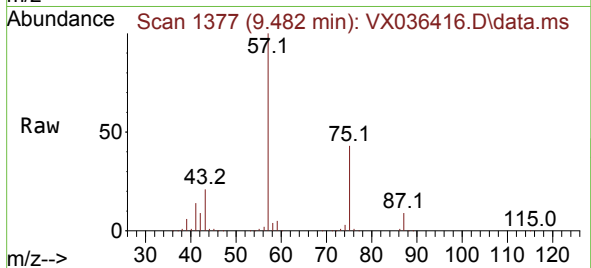
TB-TP2

Tgt Ion: 76 Resp: 5593

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.957 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX036416.D

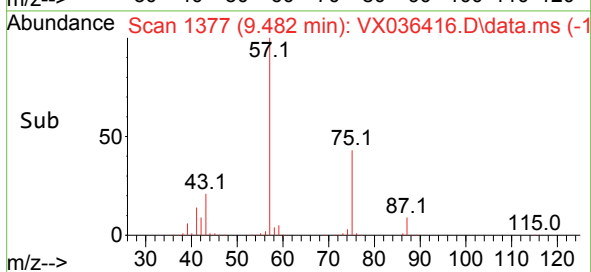
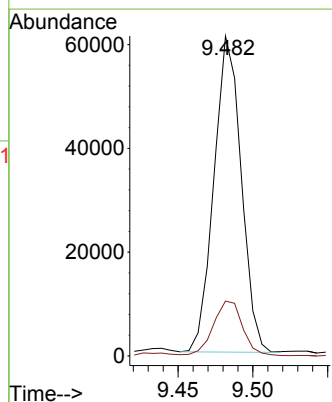
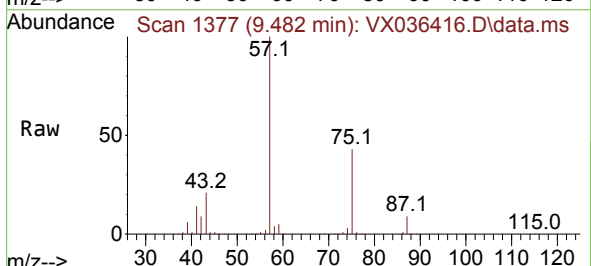
Acq: 05 Jul 2023 20:04

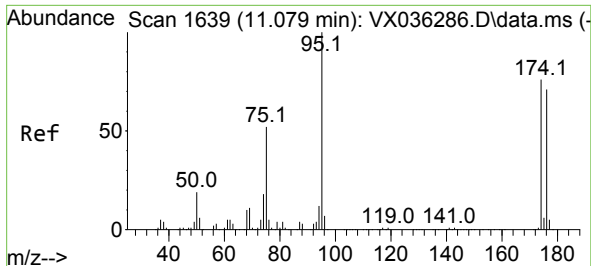
Tgt Ion: 43 Resp: 77227

Ion Ratio Lower Upper

43 100

58 19.0 26.2 78.5#

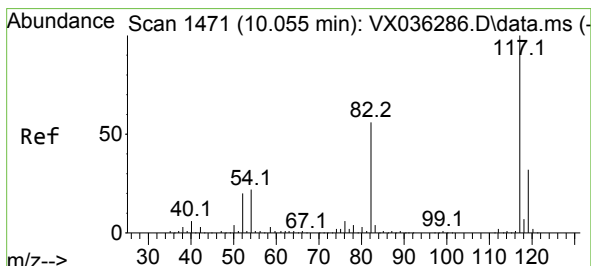
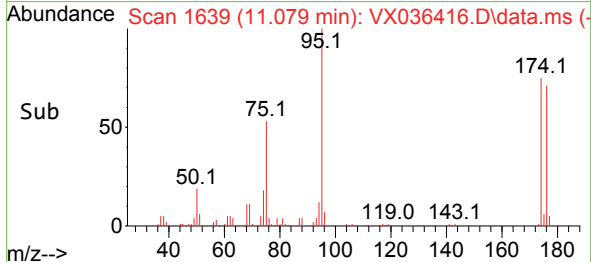
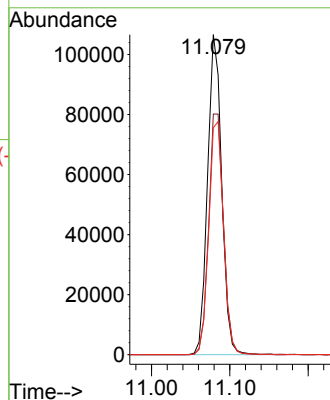
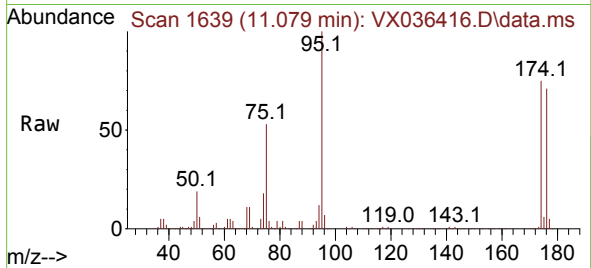




#62
4-Bromofluorobenzene
Concen: 49.226 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

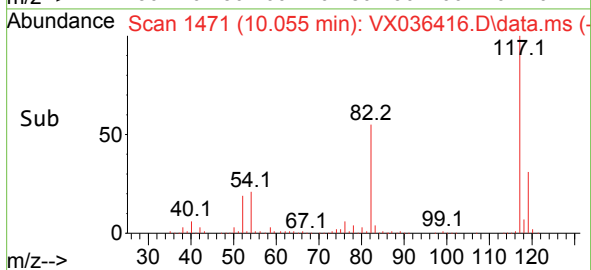
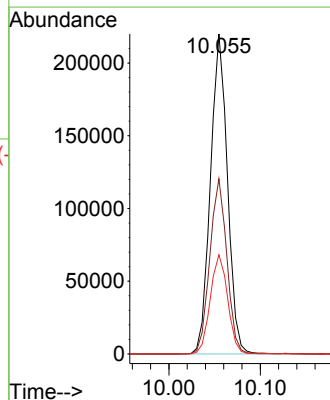
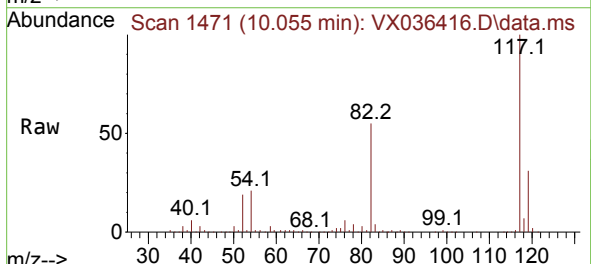
Instrument :
MSVOA_X
ClientSampleId :
TB-TP2

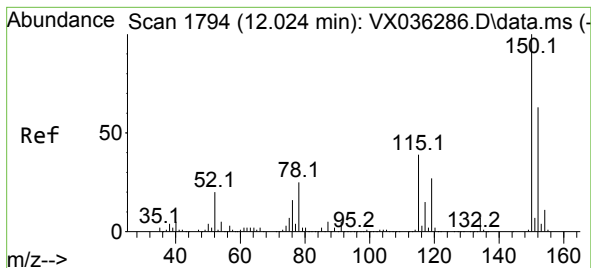
Tgt Ion: 95 Resp: 133086
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 76.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036416.D
Acq: 05 Jul 2023 20:04

Tgt Ion: 117 Resp: 282989
Ion Ratio Lower Upper
117 100
82 54.8 46.2 69.4
119 31.0 25.5 38.3

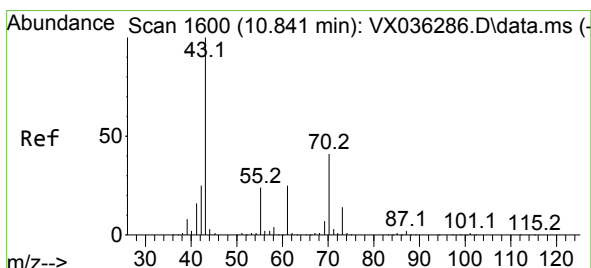
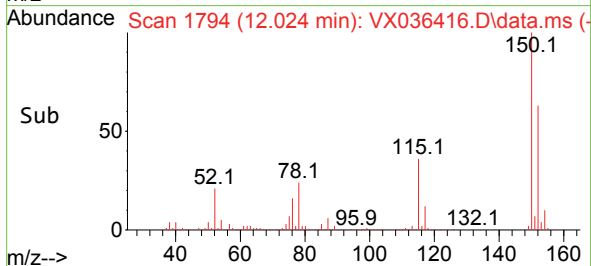
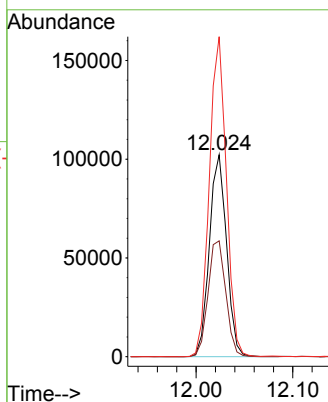
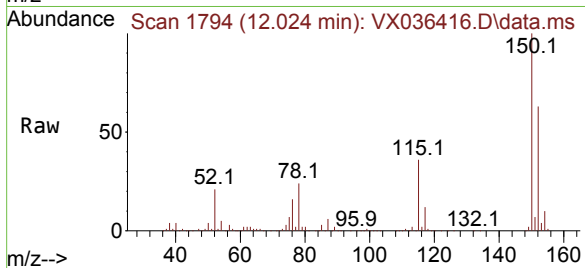




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX036416.D
 Acq: 05 Jul 2023 20:04

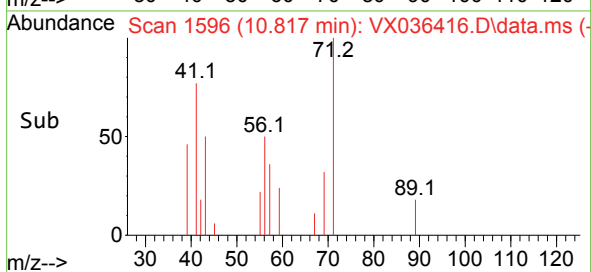
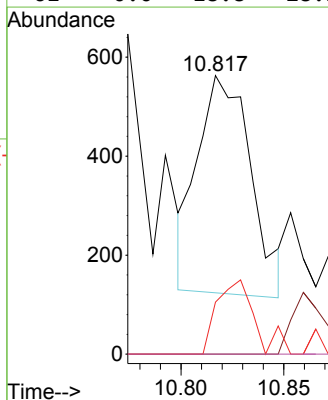
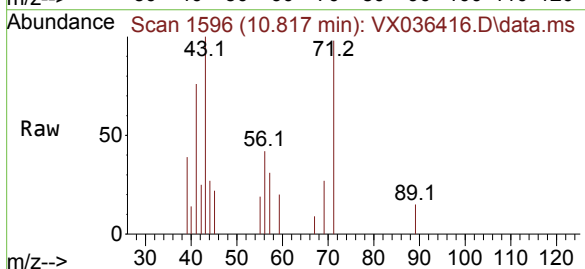
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-TP2

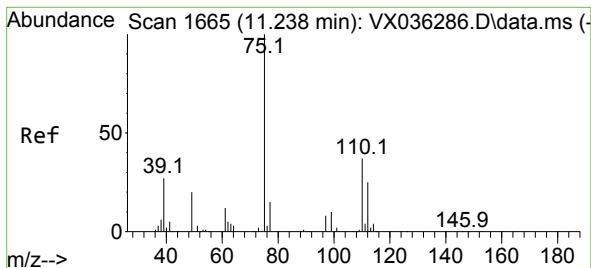
Tgt Ion:152 Resp: 126722
 Ion Ratio Lower Upper
 152 100
 115 59.2 43.3 129.9
 150 156.8 0.0 345.0



#74
 N-ethyl acetate
 Concen: 0.209 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX036416.D
 Acq: 05 Jul 2023 20:04

Tgt Ion: 43 Resp: 791
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 24.3 19.3 28.9
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.798 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

Instrument :

MSVOA_X

ClientSampleId :

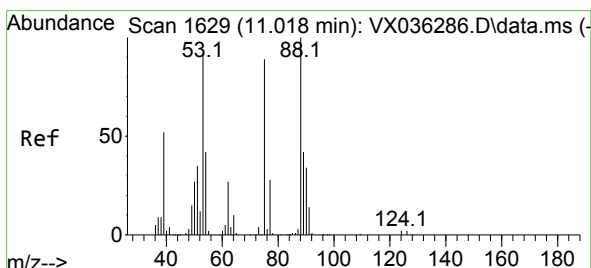
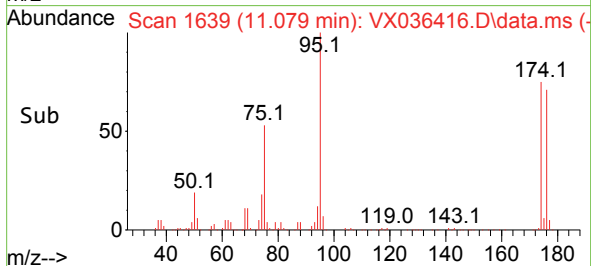
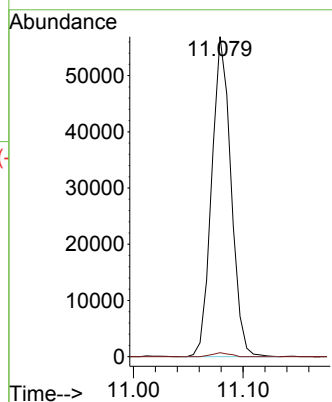
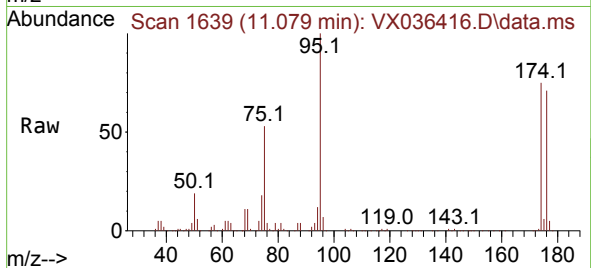
TB-TP2

Tgt Ion: 75 Resp: 69733

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.096 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036416.D

Acq: 05 Jul 2023 20:04

Tgt Ion: 75 Resp: 69733

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

