

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070523\
 Data File : VX036415.D
 Acq On : 05 Jul 2023 19:40
 Operator : JC/MD
 Sample : 03492-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-TP1

Quant Time: Jul 06 04:57:10 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)

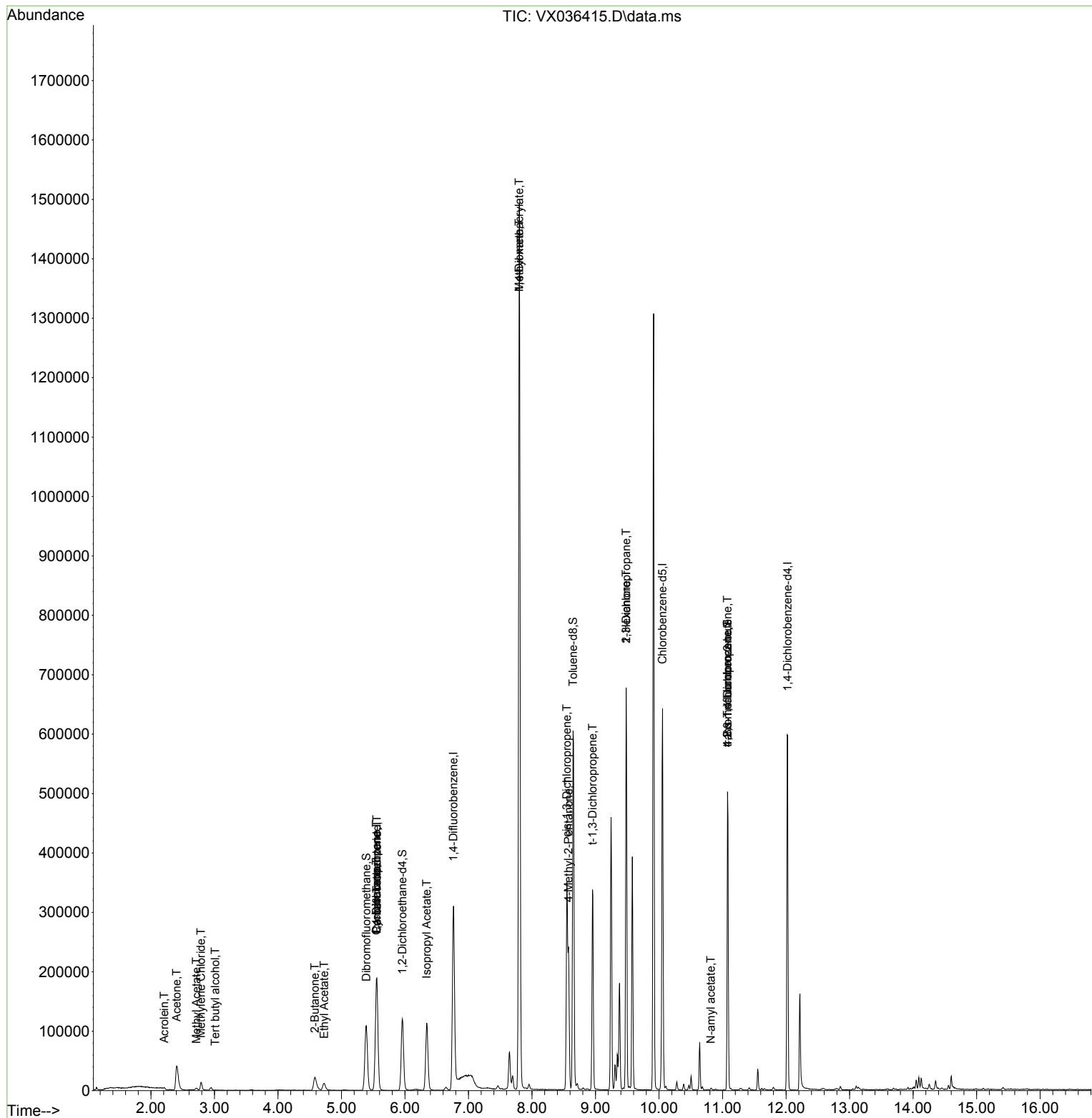
Internal Standards						
1) Pentafluorobenzene	5.556	168	180173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	306765	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	274928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	116317	45.038	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.080%		
35) Dibromofluoromethane	5.391	113	95536	47.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.460%		
50) Toluene-d8	8.647	98	364767	48.282	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.560%		
62) 4-Bromofluorobenzene	11.079	95	130644	49.094	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.180%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.013	59	224	0.476	ug/l #	78
13) Acrolein	2.209	56	297	0.460	ug/l #	14
16) Acetone	2.404	43	76162	68.994	ug/l	95
18) Methyl Acetate	2.715	43	4365	0.962	ug/l	98
20) Methylene Chloride	2.788	84	6488	2.730	ug/l	92
25) 2-Butanone	4.580	43	40176	25.330	ug/l	93
31) Cyclohexane	5.550	56	3893	1.176	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	14640	4.856	ug/l #	50
37) Ethyl Acetate	4.727	43	21760	7.081	ug/l	98
38) Carbon Tetrachloride	5.556	117	18933	6.875	ug/l #	14
43) Isopropyl Acetate	6.342	43	155800	31.781	ug/l	98
48) Methyl methacrylate	7.799	41	126051	51.569	ug/l #	48
49) 1,4-Dioxane	7.799	88	221	4.078	ug/l #	1
51) 4-Methyl-2-Pentanone	8.573	43	240769	76.231	ug/l #	76
53) t-1,3-Dichloropropene	8.951	75	772	0.262	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	52924	15.872	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	5804	1.527	ug/l #	42
59) 2-Hexanone	9.482	43	77435	33.573	ug/l #	54
74) N-amyl acetate	10.817	43	1072	0.288	ug/l #	50
76) 1,2,3-Trichloropropane	11.079	75	67319	25.255	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	67319	82.325	ug/l #	5

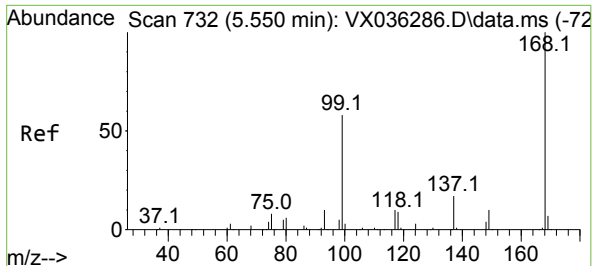
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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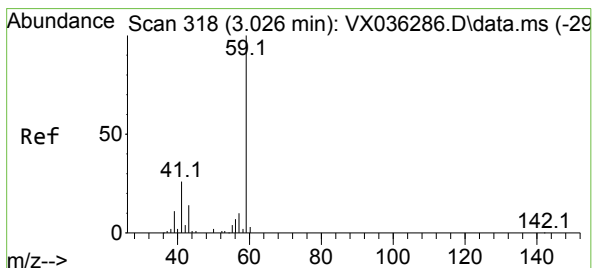
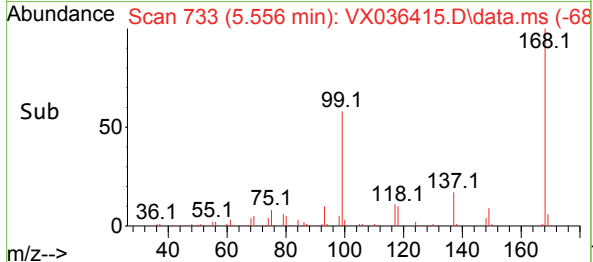
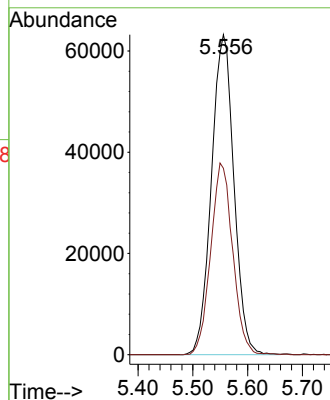
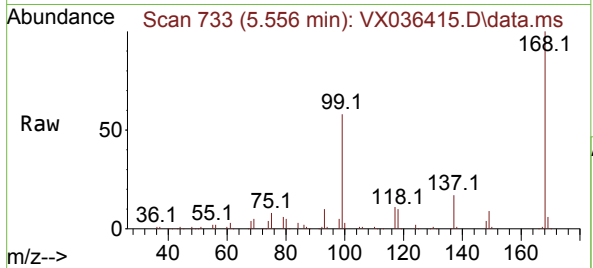




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

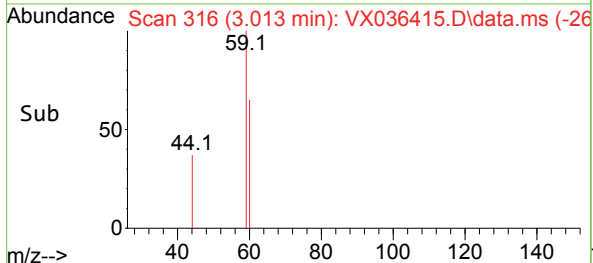
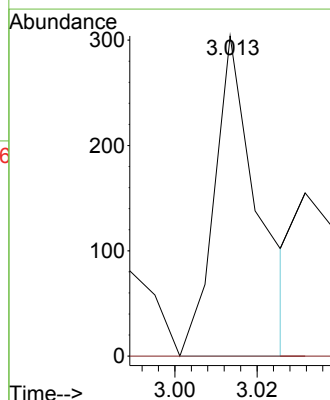
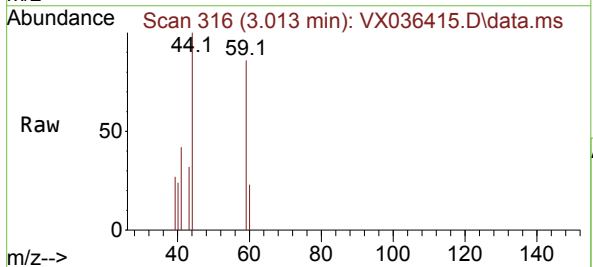
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

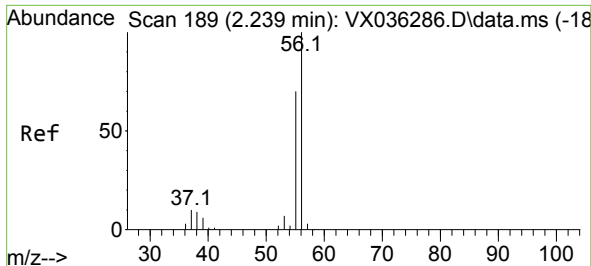
Tgt Ion:168 Resp: 180173
Ion Ratio Lower Upper
168 100
99 58.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 3.013 min Scan# 316
Delta R.T. 0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

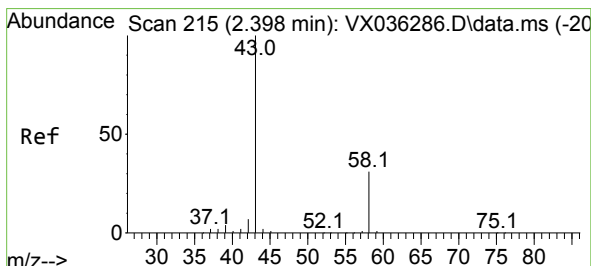
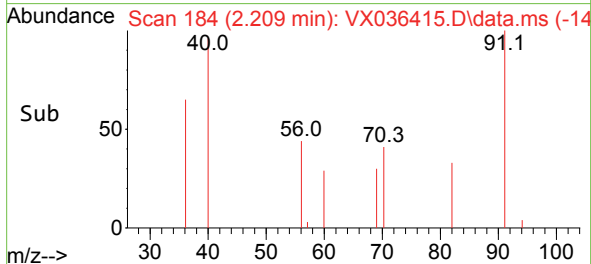
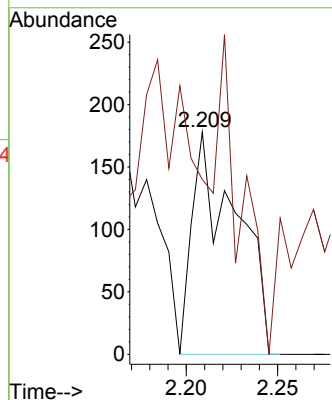
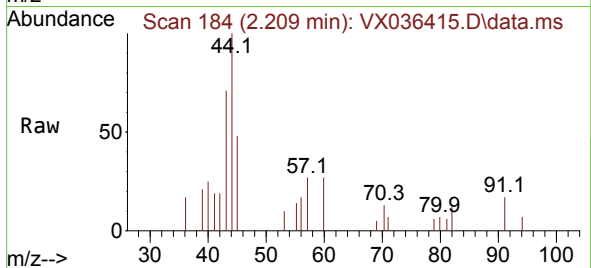




#13
Acrolein
Concen: 0.460 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

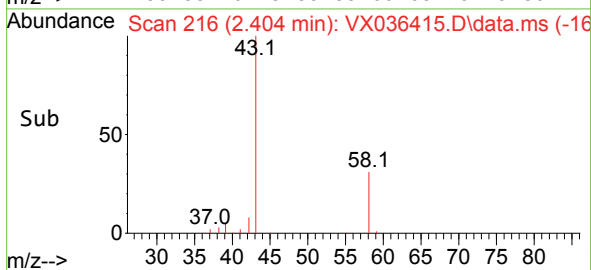
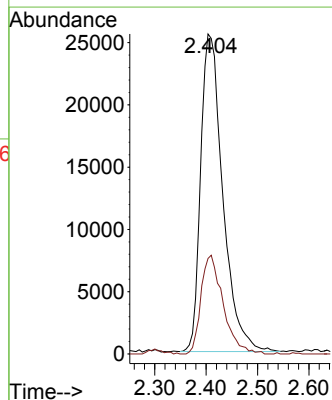
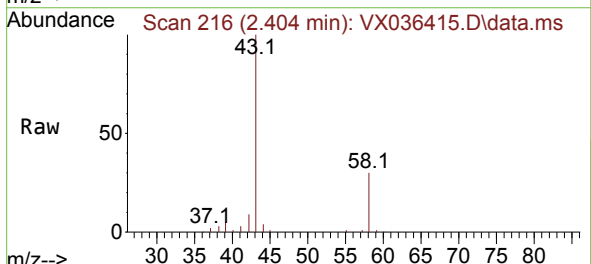
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

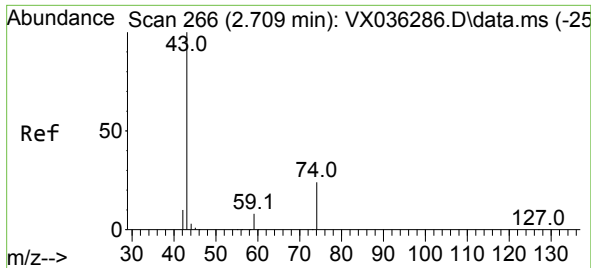
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 68.994 ug/l
RT: 2.404 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 43 Resp: 76162
Ion Ratio Lower Upper
43 100
58 30.1 21.9 32.9

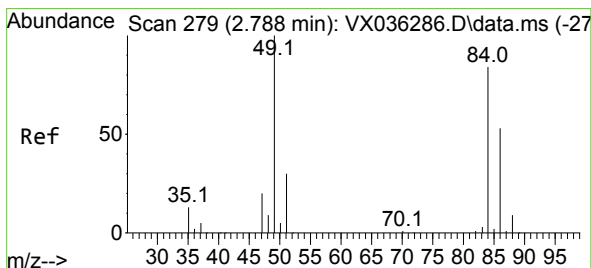
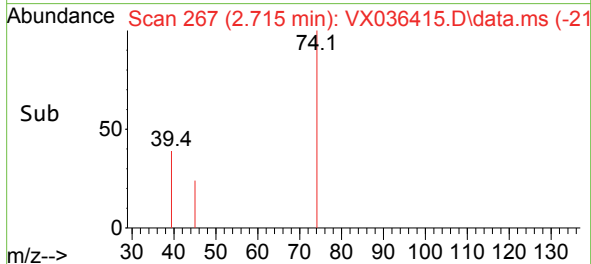
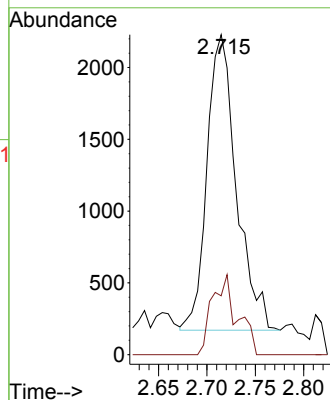
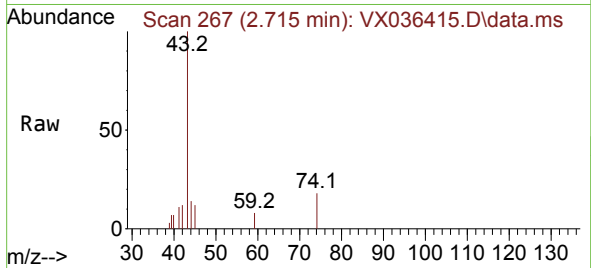




#18
Methyl Acetate
Concen: 0.962 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

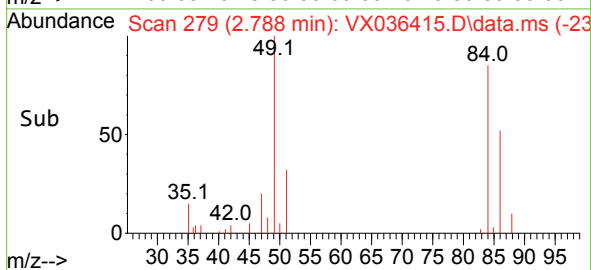
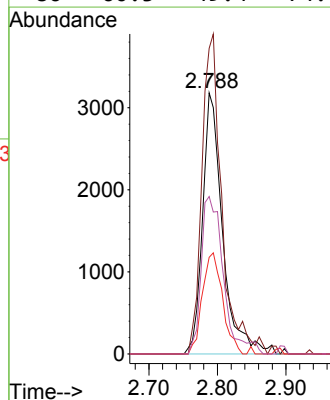
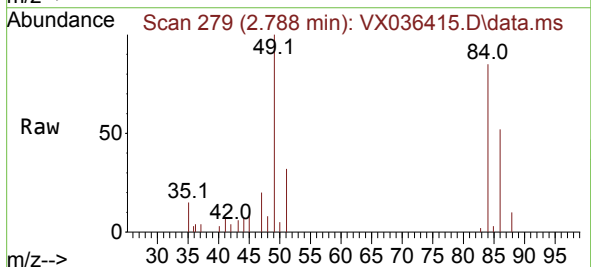
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

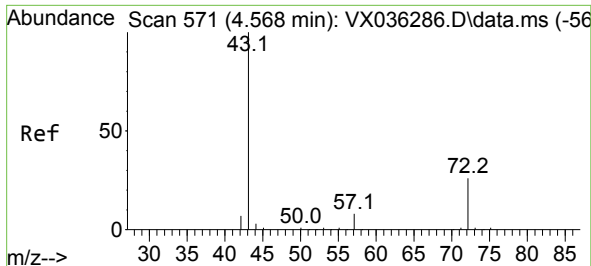
Tgt Ion: 43 Resp: 4365
Ion Ratio Lower Upper
43 100
74 23.1 17.8 26.8



#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 84 Resp: 6488
Ion Ratio Lower Upper
84 100
49 117.0 103.6 155.4
51 37.0 33.8 50.6
86 60.3 49.4 74.0

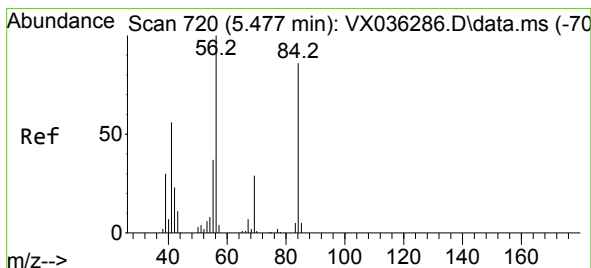
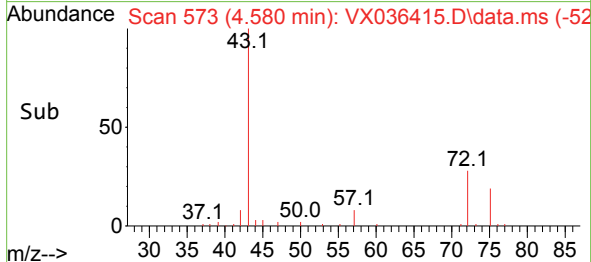
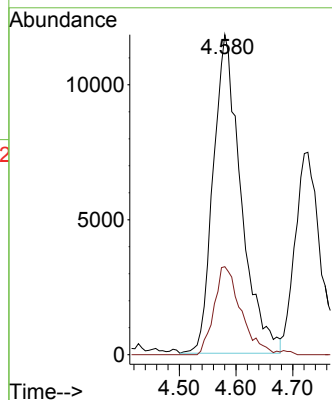
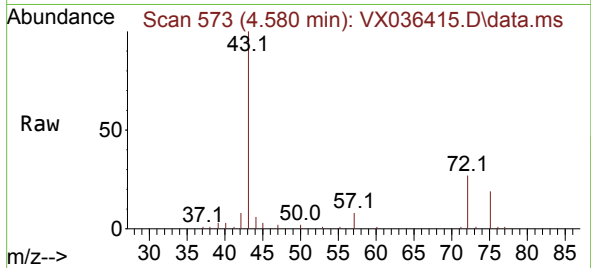




#25
2-Butanone
Concen: 25.330 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

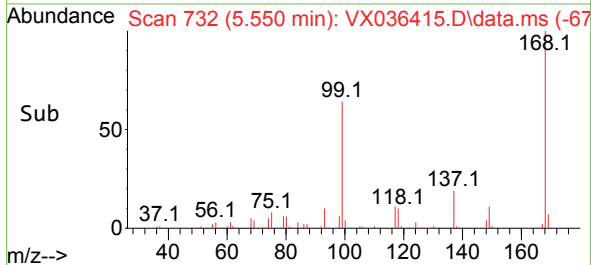
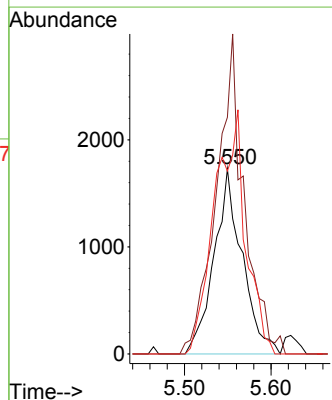
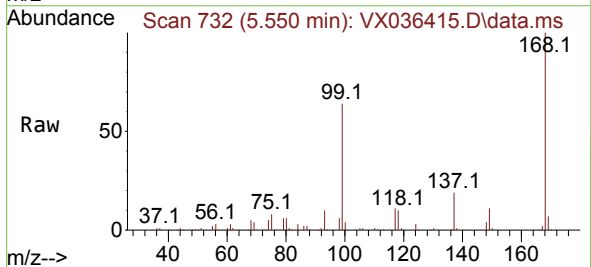
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

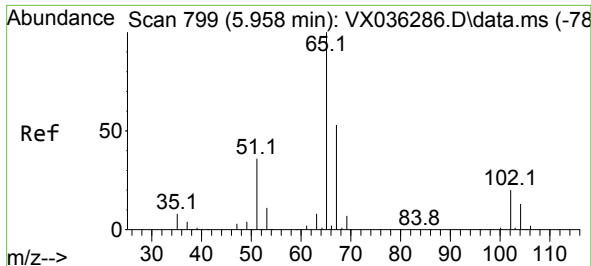
Tgt Ion: 43 Resp: 40176
Ion Ratio Lower Upper
43 100
72 27.6 19.4 29.2



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 56 Resp: 3893
Ion Ratio Lower Upper
56 100
69 127.8 23.4 35.2#
84 98.7 65.9 98.9

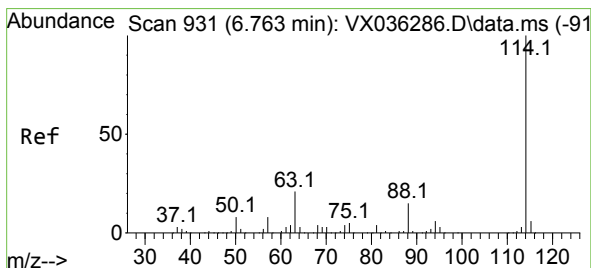
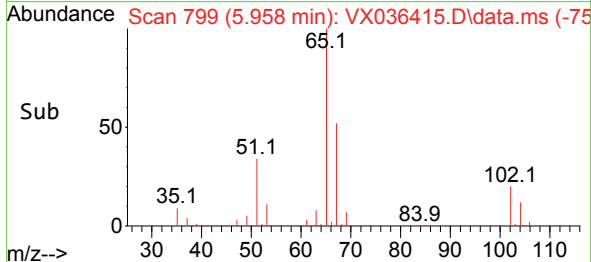
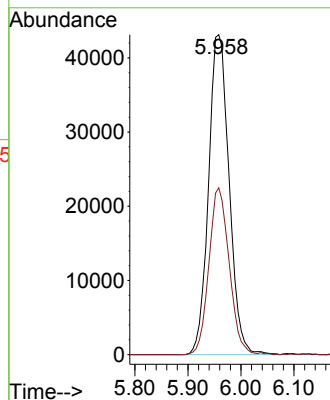
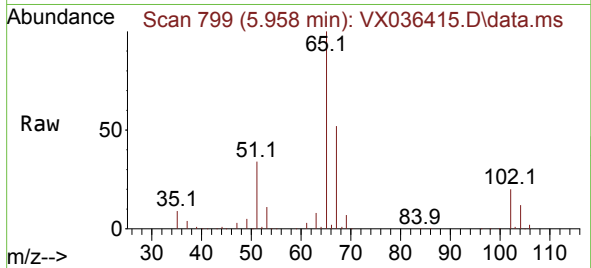




#33
 1,2-Dichloroethane-d4
 Concen: 45.038 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036415.D
 Acq: 05 Jul 2023 19:40

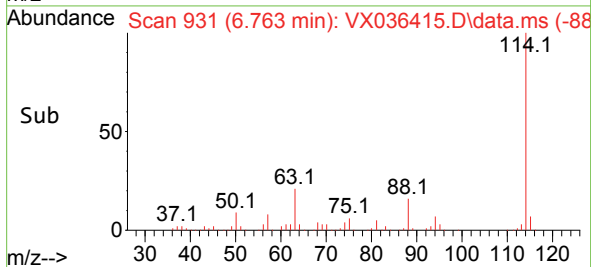
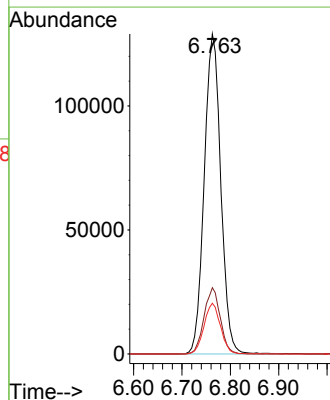
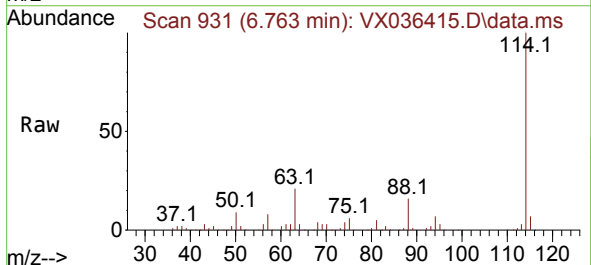
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 TB-TP1

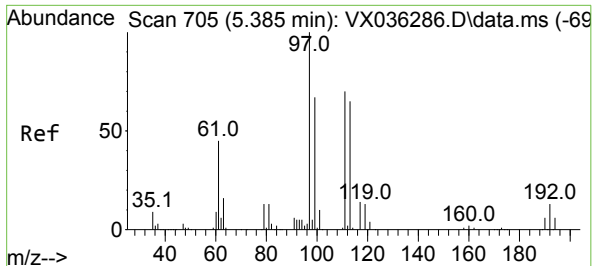
Tgt Ion: 65 Resp: 116317
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036415.D
 Acq: 05 Jul 2023 19:40

Tgt Ion:114 Resp: 306765
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.0
 88 15.9 0.0 36.6

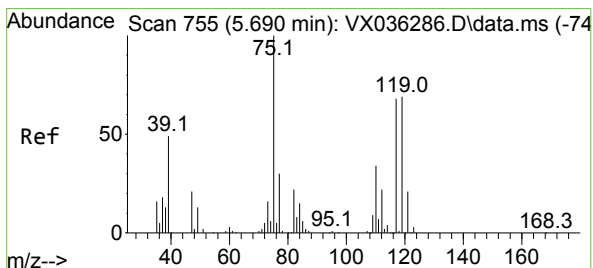
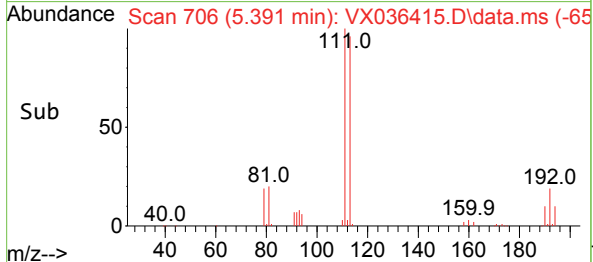
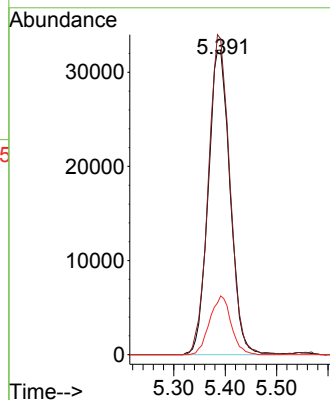
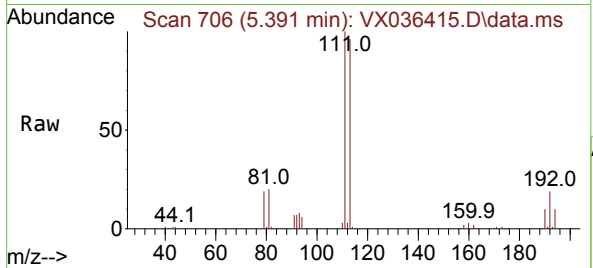




#35
Dibromofluoromethane
Concen: 47.231 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

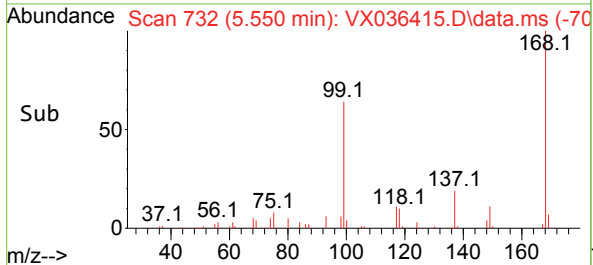
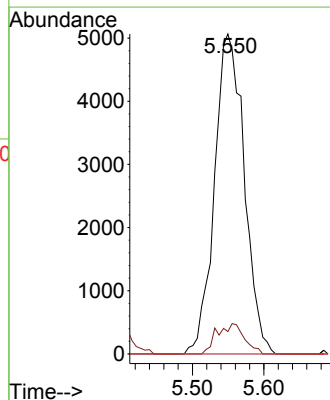
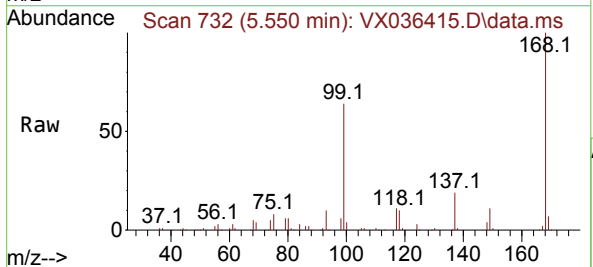
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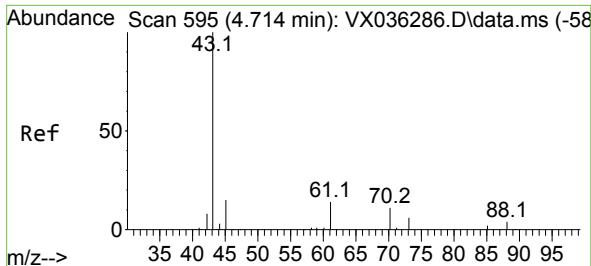
Tgt Ion:113 Resp: 95536
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.856 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 75 Resp: 14640
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 7.081 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.013 min

Lab File: VX036415.D

Acq: 05 Jul 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

TB-TP1

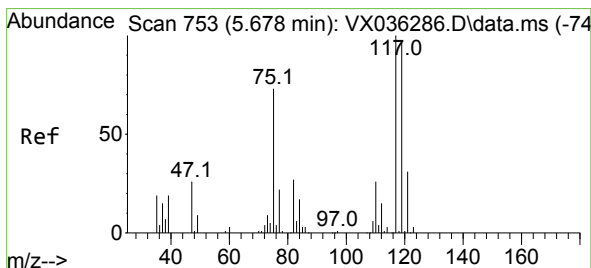
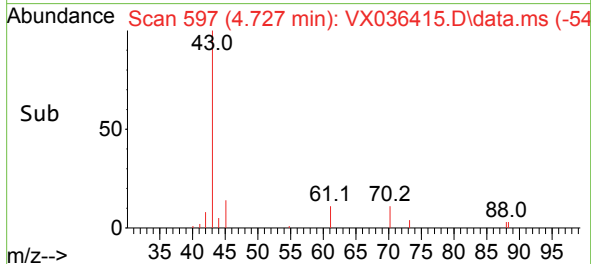
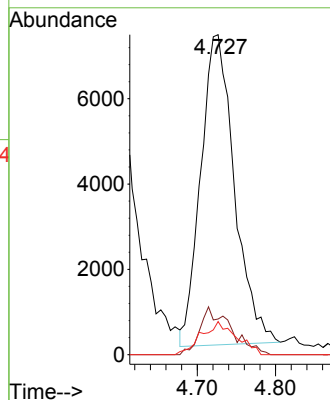
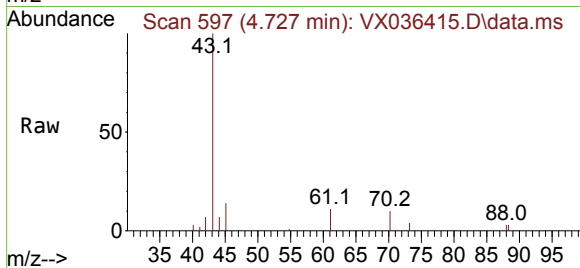
Tgt Ion: 43 Resp: 21760

Ion Ratio Lower Upper

43 100

61 14.2 10.6 16.0

70 11.0 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.875 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036415.D

Acq: 05 Jul 2023 19:40

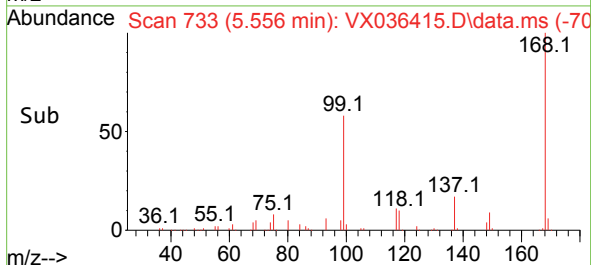
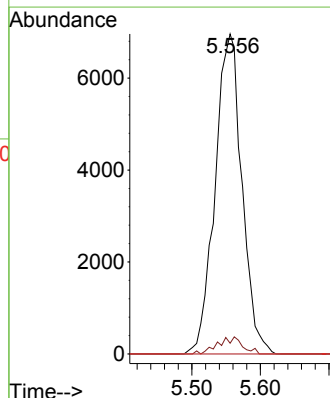
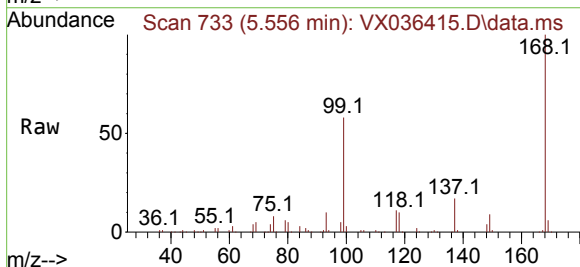
Tgt Ion: 117 Resp: 18933

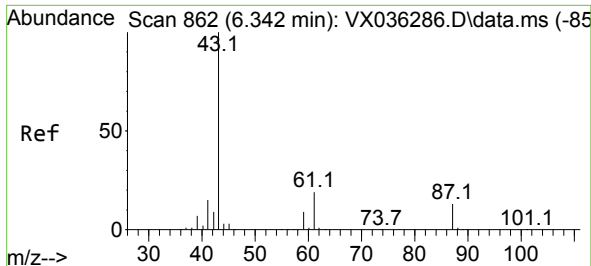
Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

121 0.0 24.4 36.6#

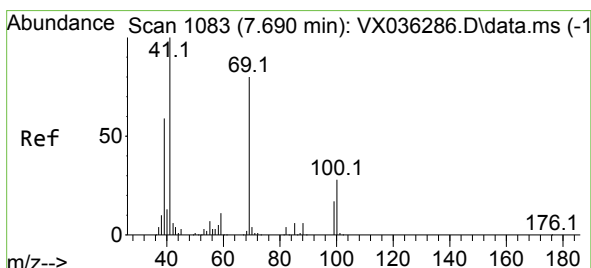
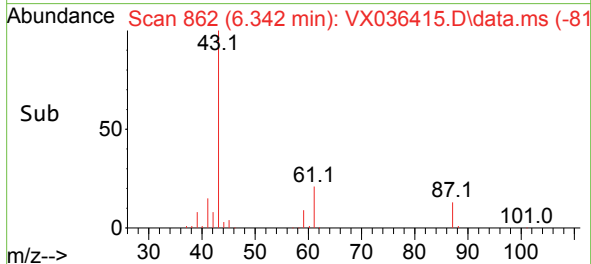
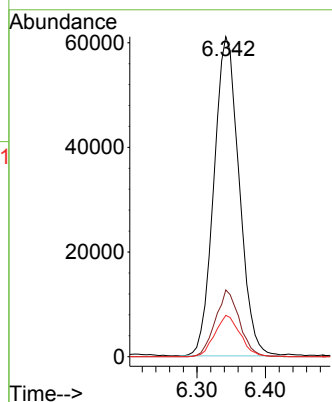
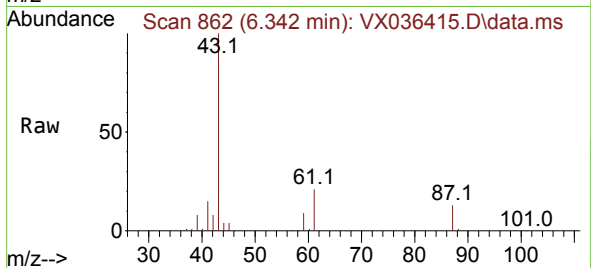




#43
Isopropyl Acetate
Concen: 31.781 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

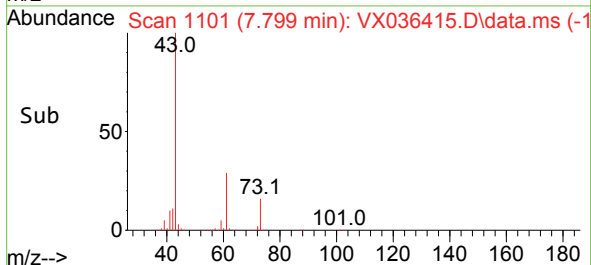
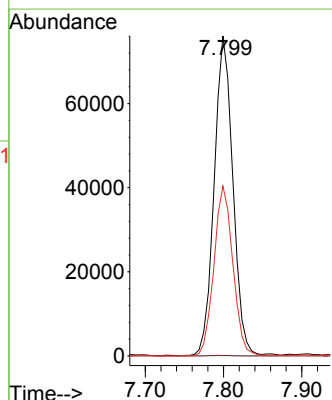
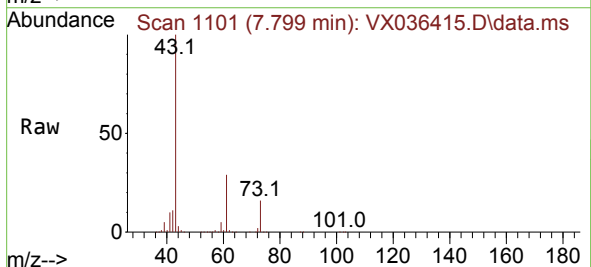
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

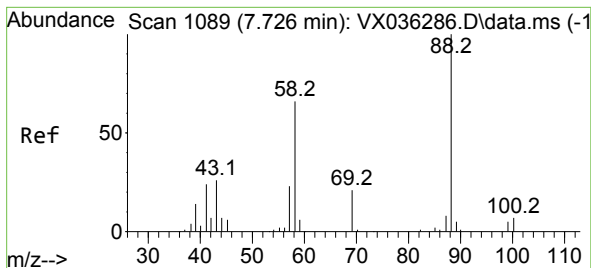
Tgt Ion: 43 Resp: 155800
Ion Ratio Lower Upper
43 100
61 19.9 15.2 22.8
87 13.1 9.8 14.6



#48
Methyl methacrylate
Concen: 51.569 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 41 Resp: 126051
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.0 47.7 71.5





#49

1,4-Dioxane

Concen: 4.078 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.067 min

Lab File: VX036415.D

Acq: 05 Jul 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

TB-TP1

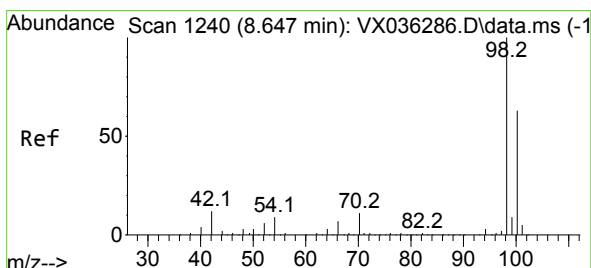
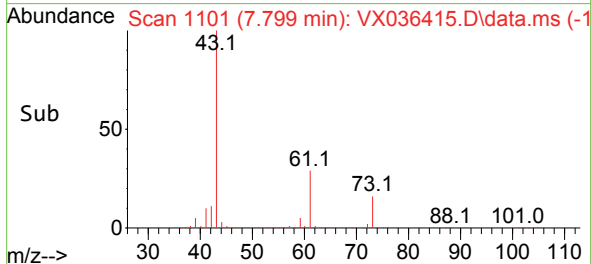
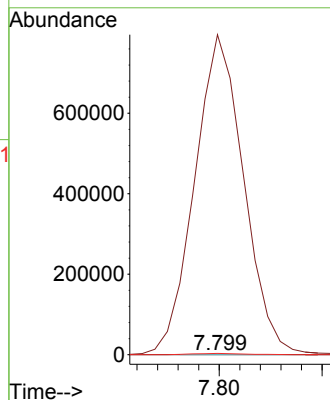
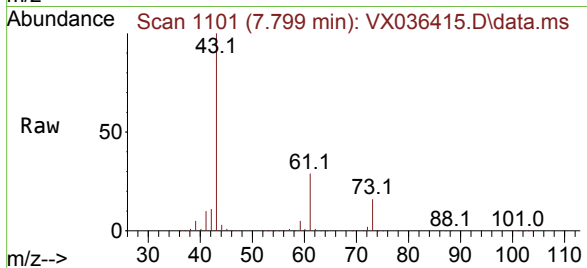
Tgt Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 598451.6 0.0 0.0#

58 2429.9 60.1 90.1#



#50

Toluene-d8

Concen: 48.282 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036415.D

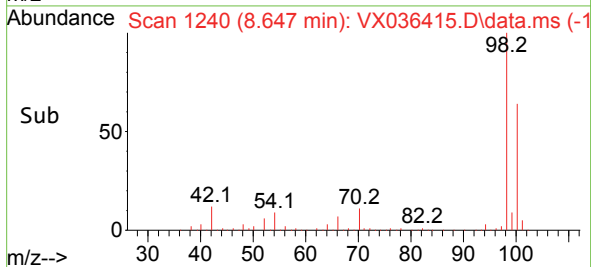
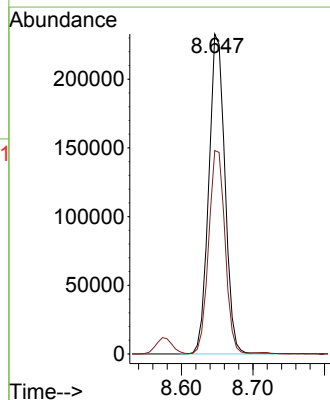
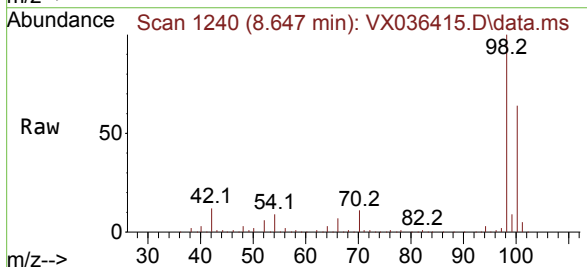
Acq: 05 Jul 2023 19:40

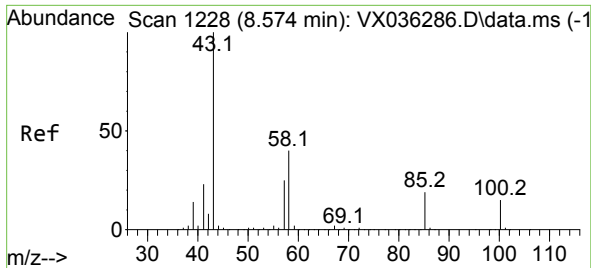
Tgt Ion: 98 Resp: 364767

Ion Ratio Lower Upper

98 100

100 64.1 53.1 79.7

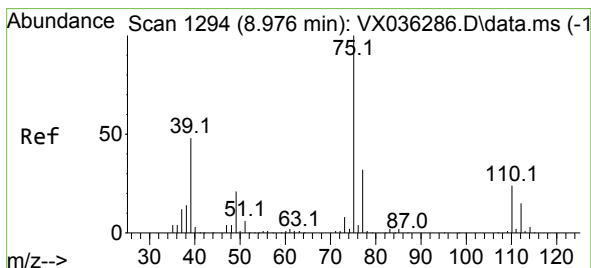
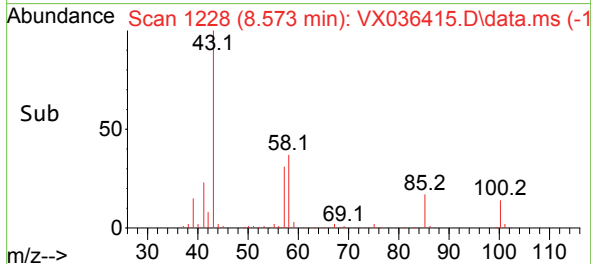
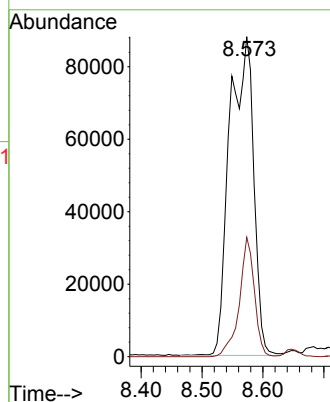
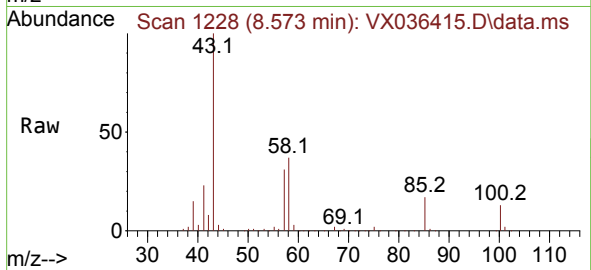




#51
4-Methyl-2-Pentanone
Concen: 76.231 ug/l
RT: 8.573 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

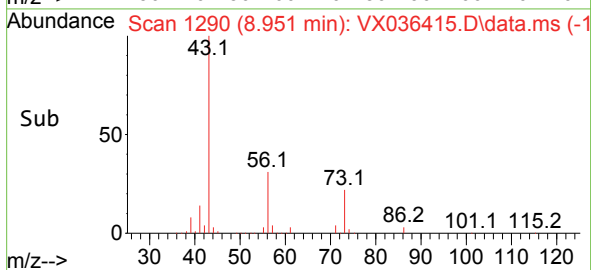
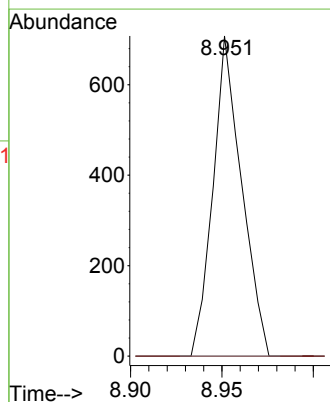
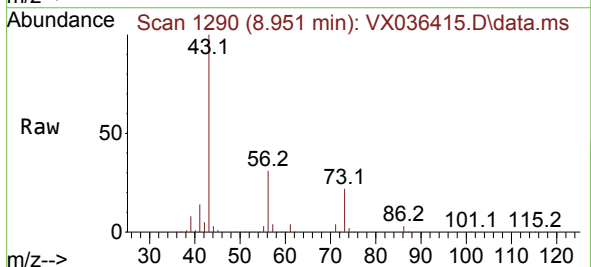
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

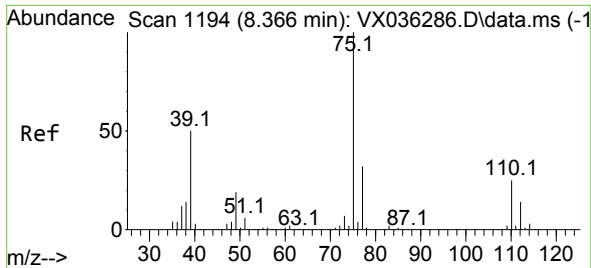
Tgt Ion: 43 Resp: 240769
Ion Ratio Lower Upper
43 100
58 23.6 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.262 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.025 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 75 Resp: 772
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

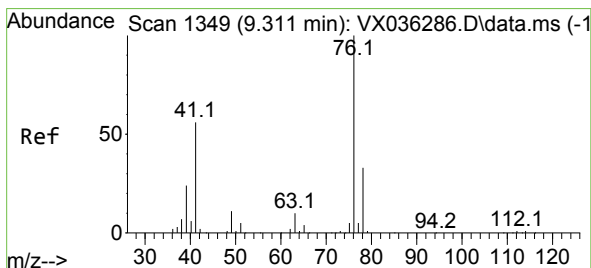
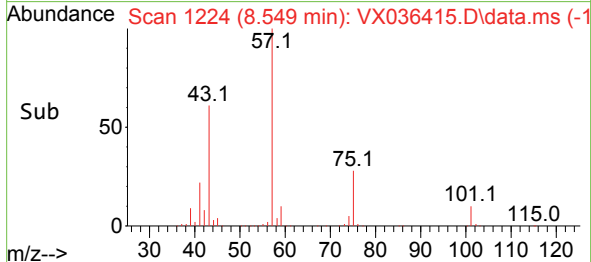
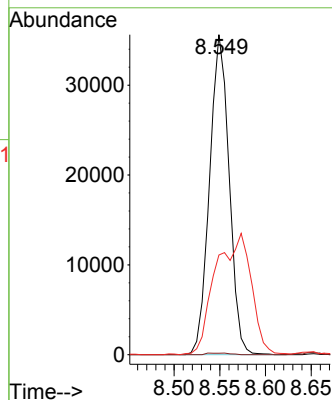
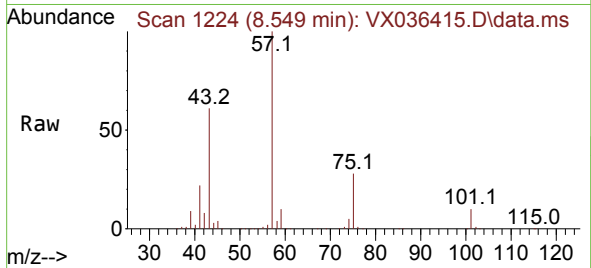




#54
 cis-1,3-Dichloropropene
 Concen: 15.872 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036415.D
 Acq: 05 Jul 2023 19:40

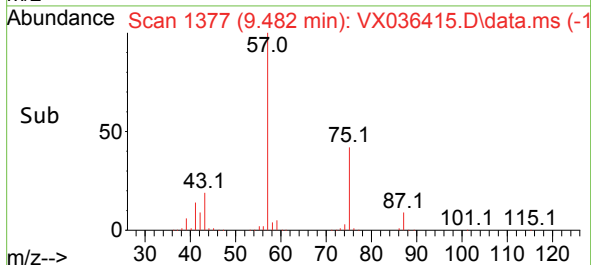
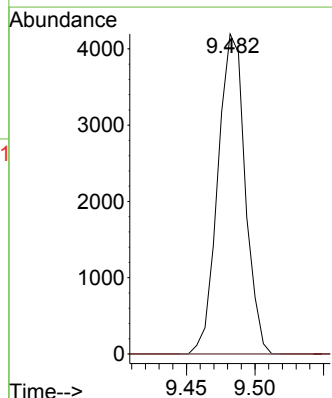
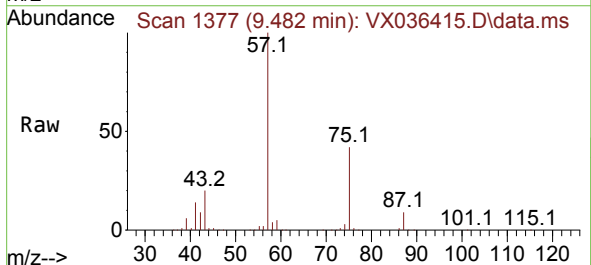
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-TP1

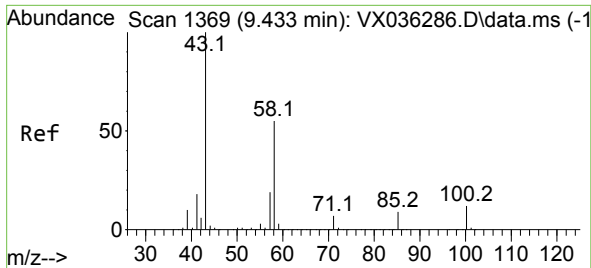
Tgt Ion: 75 Resp: 52924
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 31.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.527 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036415.D
 Acq: 05 Jul 2023 19:40

Tgt Ion: 76 Resp: 5804
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

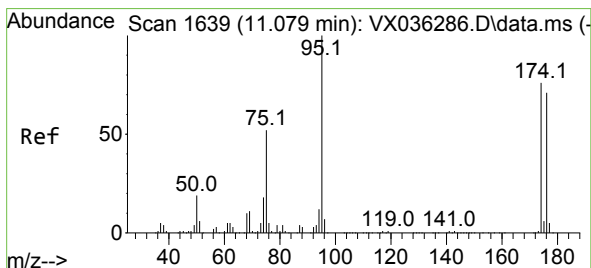
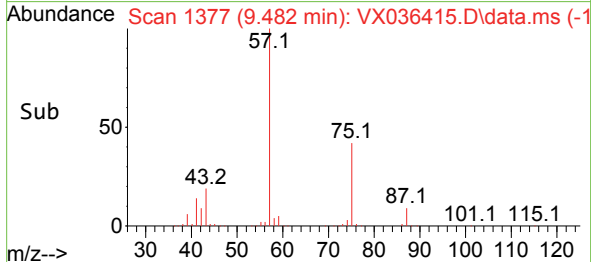
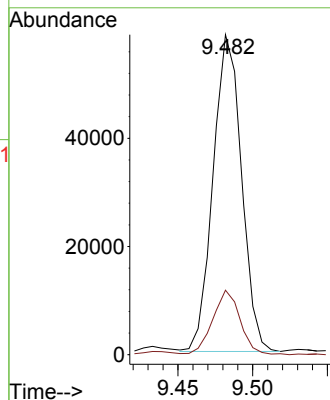
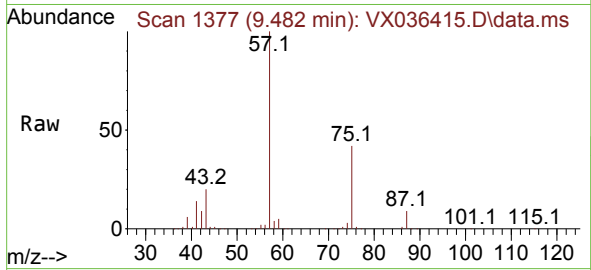




#59
2-Hexanone
Concen: 33.573 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

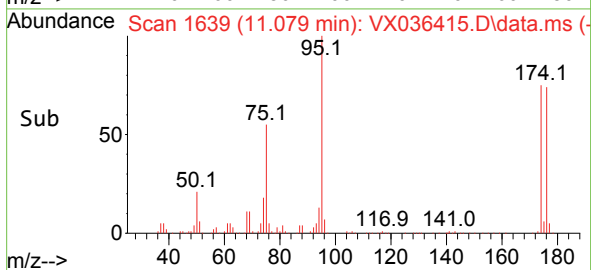
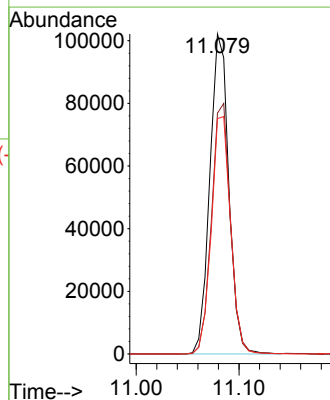
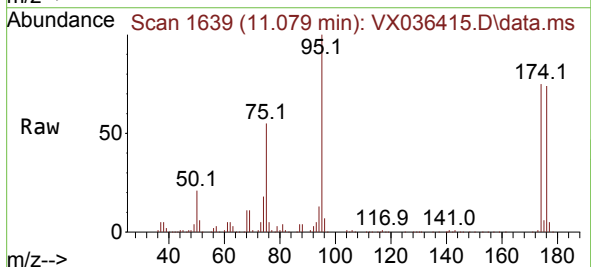
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

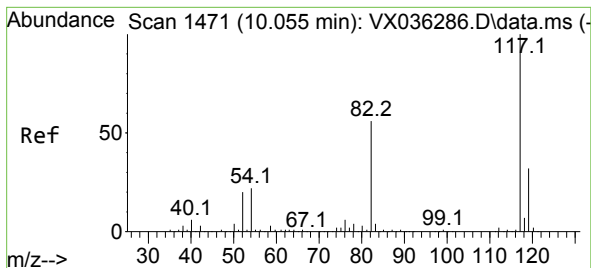
Tgt Ion: 43 Resp: 77435
Ion Ratio Lower Upper
43 100
58 19.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.094 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion: 95 Resp: 130644
Ion Ratio Lower Upper
95 100
174 78.5 0.0 135.6
176 75.5 0.0 131.0

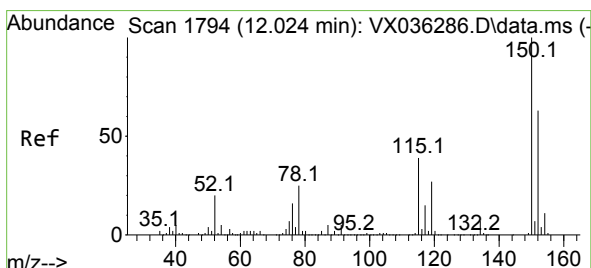
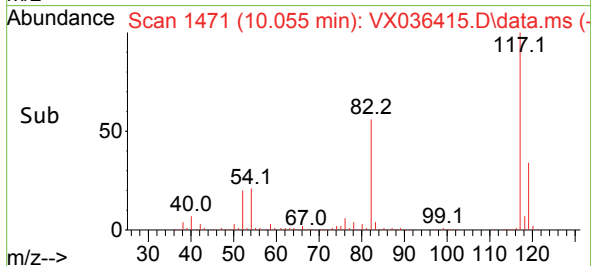
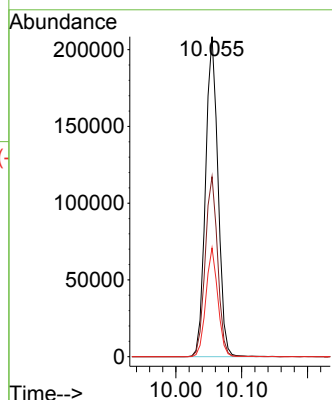
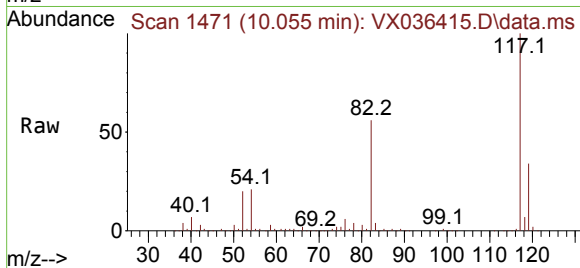




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

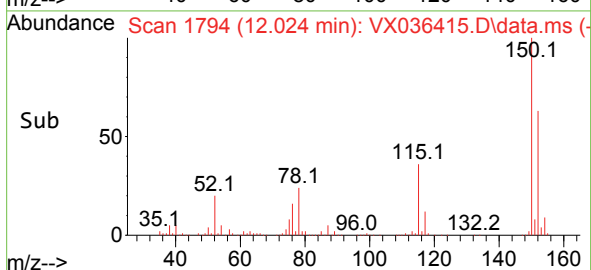
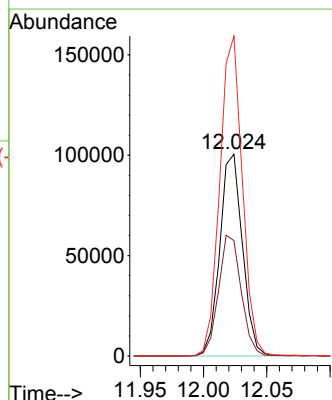
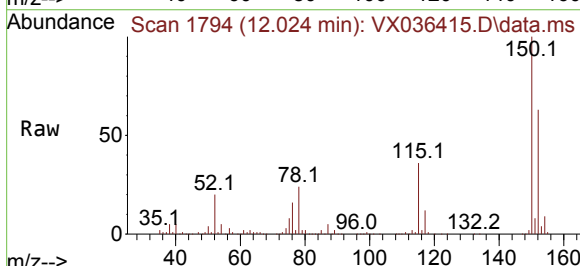
Instrument :
MSVOA_X
ClientSampleId :
TB-TP1

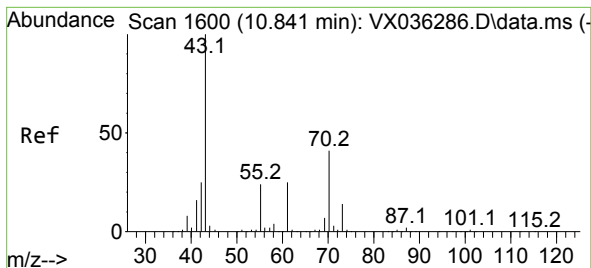
Tgt Ion:117 Resp: 274928
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 34.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036415.D
Acq: 05 Jul 2023 19:40

Tgt Ion:152 Resp: 124966
Ion Ratio Lower Upper
152 100
115 59.9 43.3 129.9
150 157.8 0.0 345.0





#74

N-amy1 acetate

Concen: 0.288 ug/l

RT: 10.817 min Scan# 1

Delta R.T. -0.024 min

Lab File: VX036415.D

Acq: 05 Jul 2023 19:40

Instrument :

MSVOA_X

ClientSampleId :

TB-TP1

Tgt Ion: 43 Resp: 1072

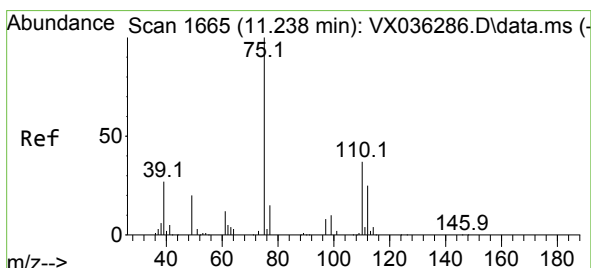
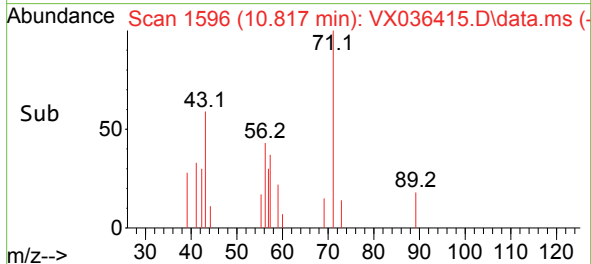
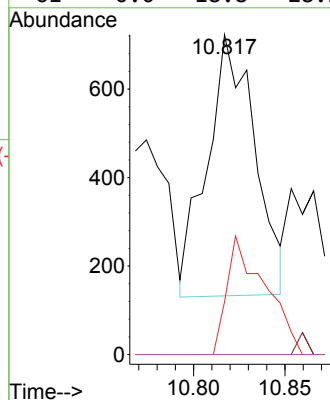
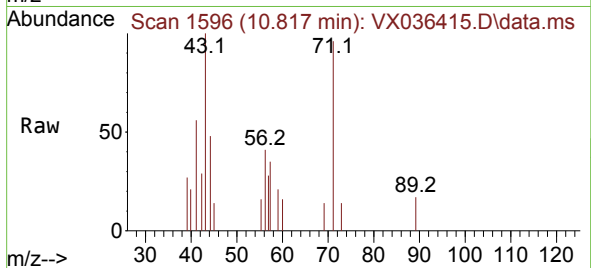
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 36.3 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 25.255 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036415.D

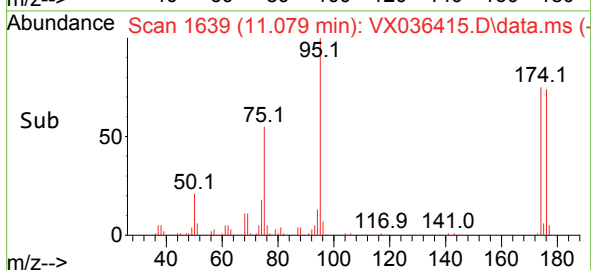
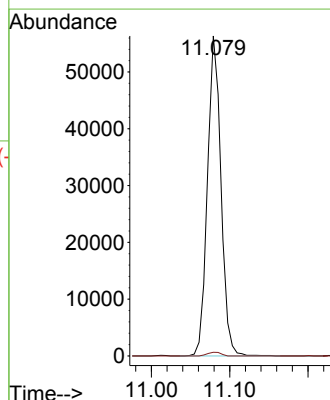
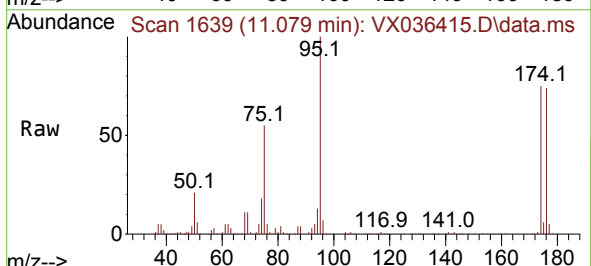
Acq: 05 Jul 2023 19:40

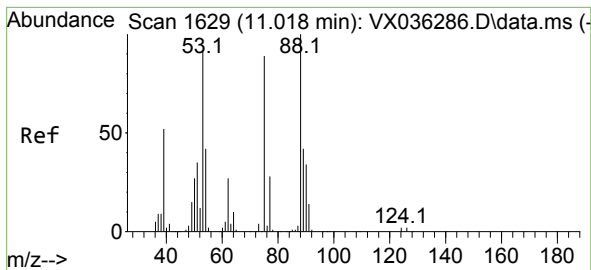
Tgt Ion: 75 Resp: 67319

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.325 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036415.D
 Acq: 05 Jul 2023 19:40

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-TP1

Tgt Ion: 75 Resp: 67319
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.1 36.9 55.3#

