

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081023\
 Data File : VX036918.D
 Acq On : 10 Aug 2023 17:18
 Operator : JC/MD
 Sample : 03954-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 01:48:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

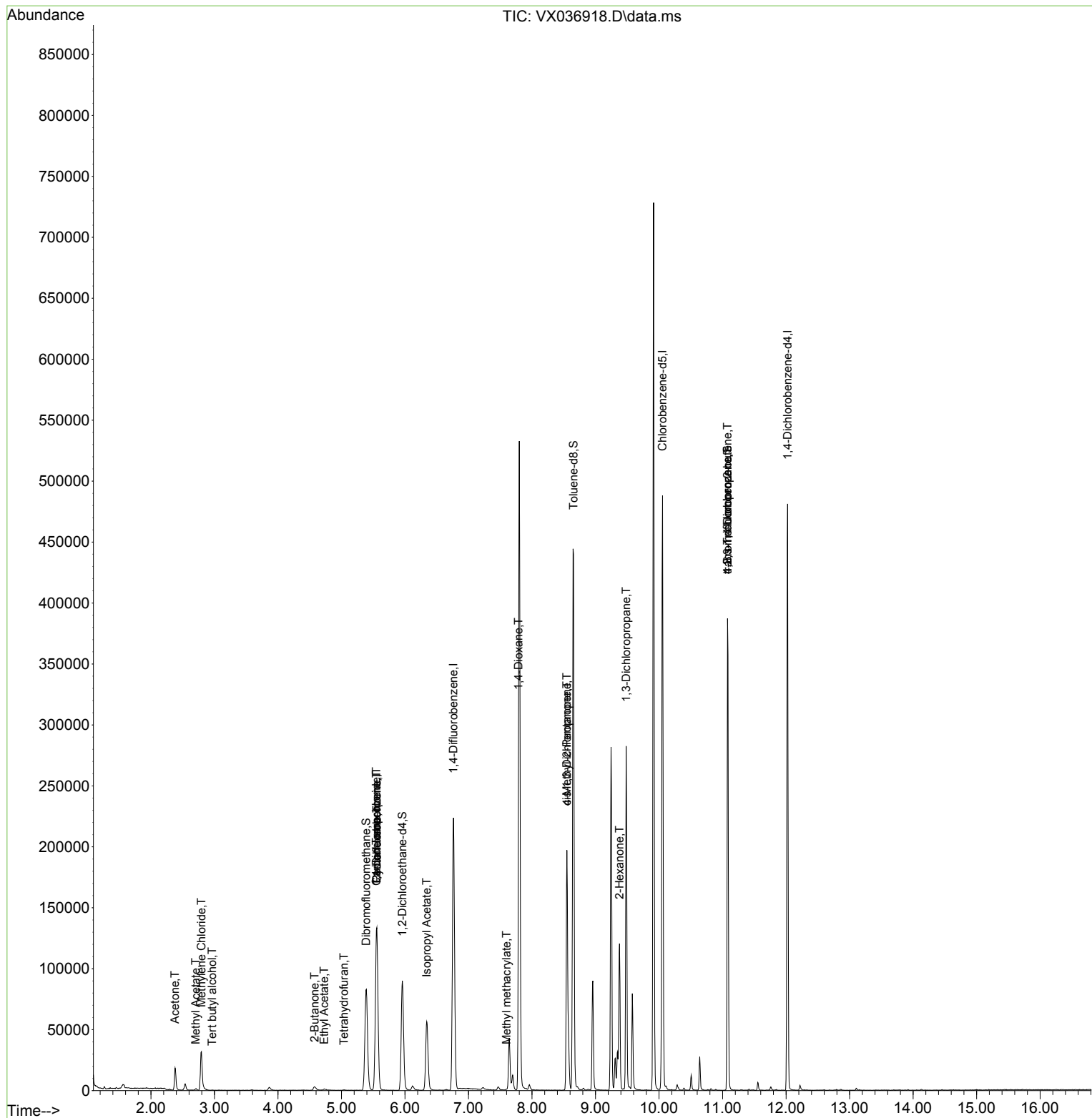
Internal Standards						
1) Pentafluorobenzene	5.556	168	125247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227348	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88350	47.674	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.340%		
35) Dibromofluoromethane	5.385	113	74086	47.410	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.820%		
50) Toluene-d8	8.653	98	274295	49.498	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.000%		
62) 4-Bromofluorobenzene	11.079	95	106250	50.819	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	209	0.476	ug/l #	78
16) Acetone	2.379	43	19609	25.499	ug/l #	88
18) Methyl Acetate	2.702	43	1764	0.545	ug/l	93
20) Methylene Chloride	2.794	84	17233	10.076	ug/l	87
25) 2-Butanone	4.574	43	5864	4.700	ug/l	93
29) Tetrahydrofuran	5.037	42	320	0.398	ug/l #	64
31) Cyclohexane	5.556	56	2590	1.009	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	10127	4.348	ug/l #	51
37) Ethyl Acetate	4.726	43	2000	0.759	ug/l #	85
38) Carbon Tetrachloride	5.549	117	13590	5.488	ug/l #	14
43) Isopropyl Acetate	6.342	43	79232	17.460	ug/l #	94
48) Methyl methacrylate	7.598	41	1508	0.715	ug/l #	16
49) 1,4-Dioxane	7.787	88	40	0.938	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83381	33.203	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	33698	10.871	ug/l #	52
57) 1,3-Dichloropropane	9.482	76	2472	0.832	ug/l #	42
59) 2-Hexanone	9.378	43	84797	45.498	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	55257	23.809	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55257	53.964	ug/l #	5

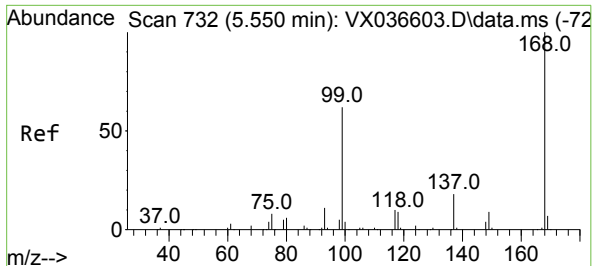
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 21 12:14:12 2023
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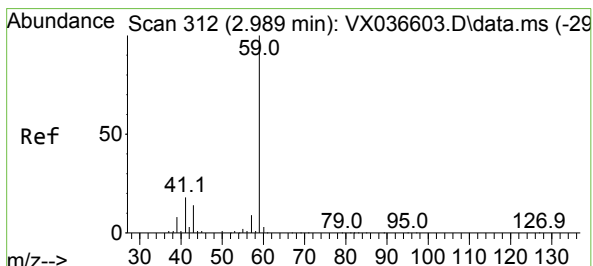
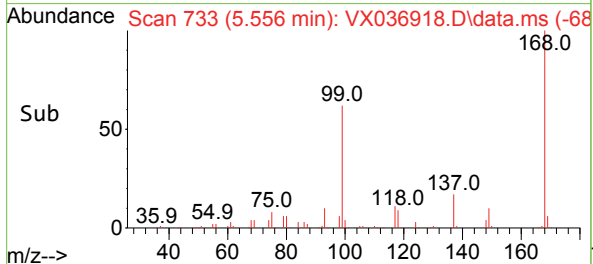
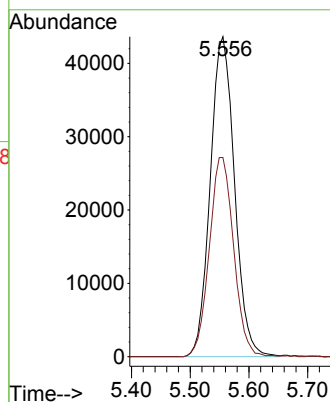
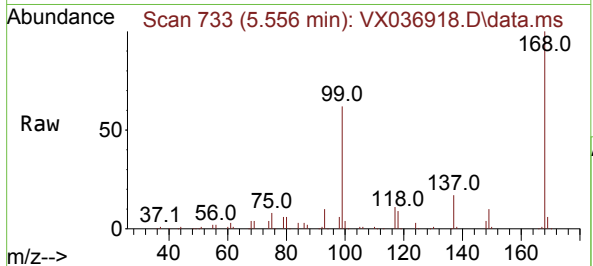




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

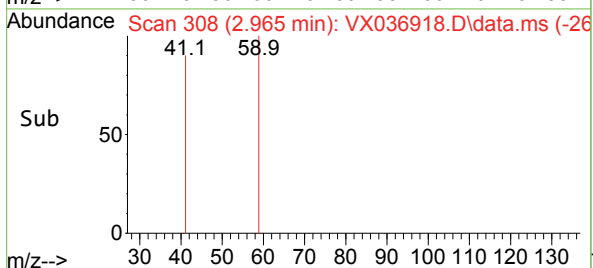
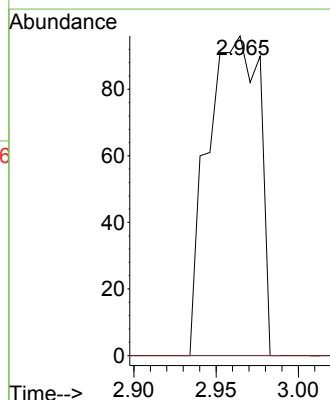
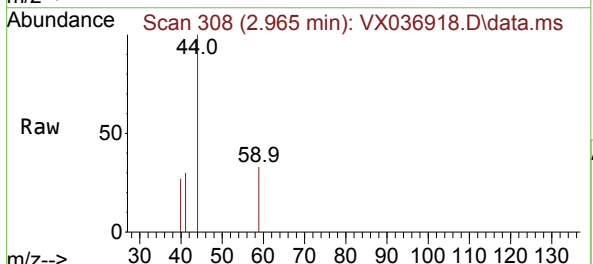
Instrument :
MSVOA_X
ClientSampleId :

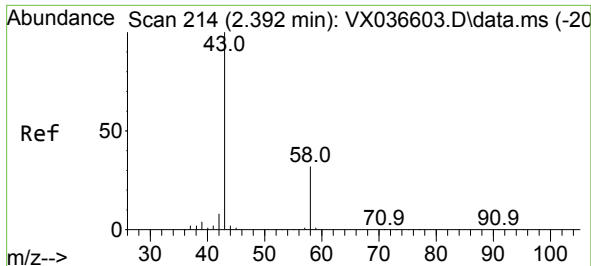
Tgt Ion:168 Resp: 125247
Ion Ratio Lower Upper
168 100
99 62.3 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.476 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

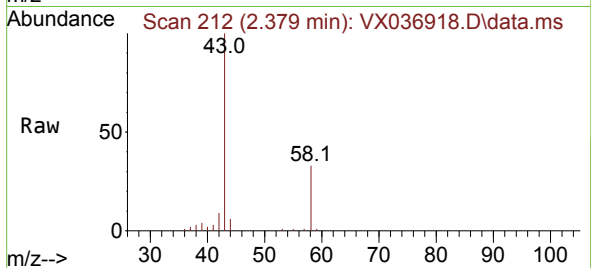
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



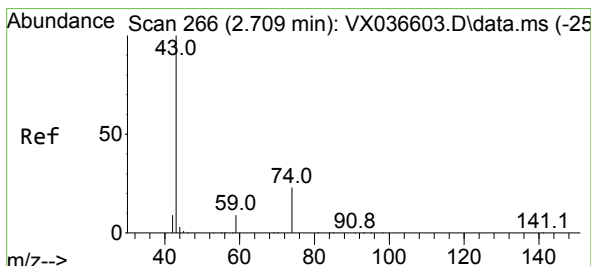
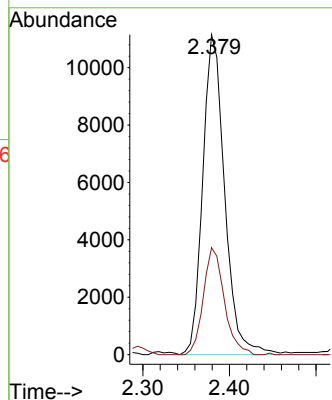
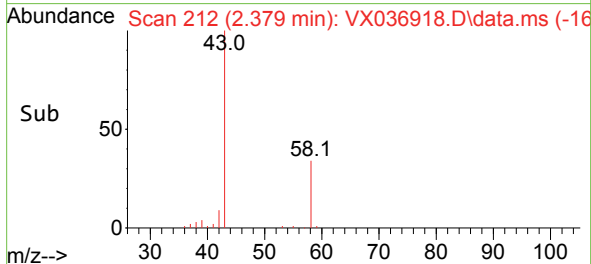


#16
Acetone
Concen: 25.499 ug/l
RT: 2.379 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Instrument :
MSVOA_X
ClientSampleId :

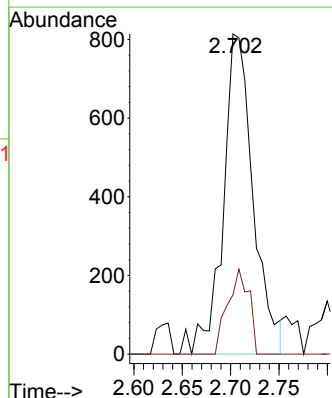
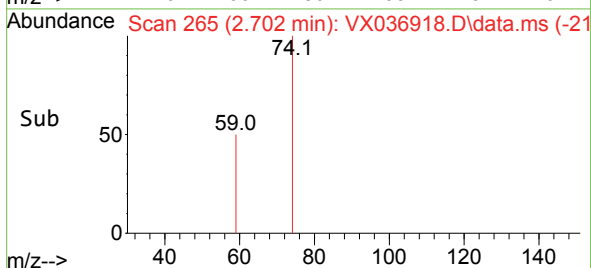
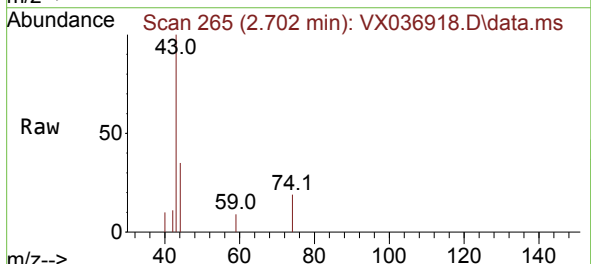


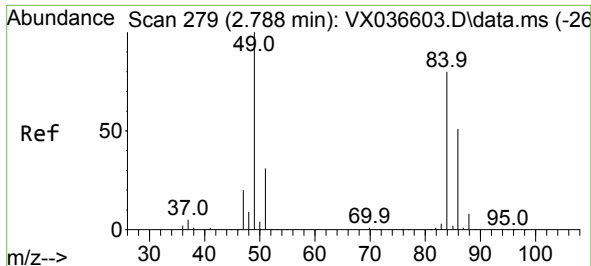
Tgt Ion: 43 Resp: 19609
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#



#18
Methyl Acetate
Concen: 0.545 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
74 18.7 17.8 26.8





#20

Methylene Chloride

Concen: 10.076 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

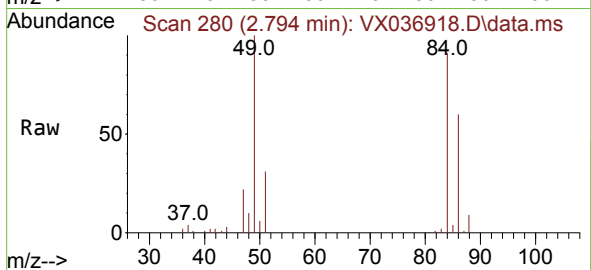
Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 17233

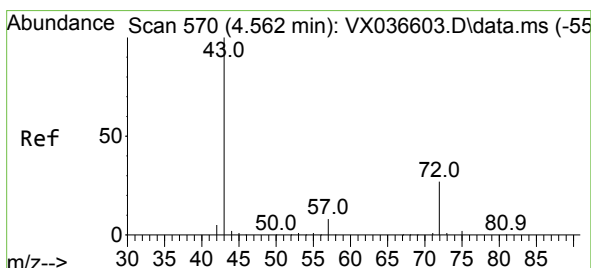
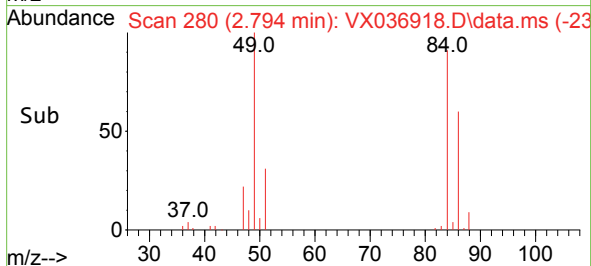
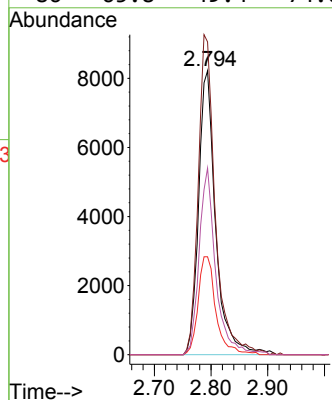
Ion Ratio Lower Upper

84 100

49 110.2 103.6 155.4

51 34.5 33.8 50.6

86 65.8 49.4 74.0



#25

2-Butanone

Concen: 4.700 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX036918.D

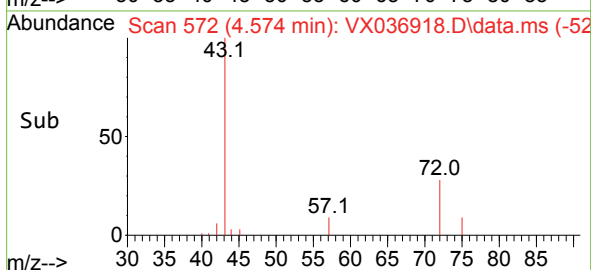
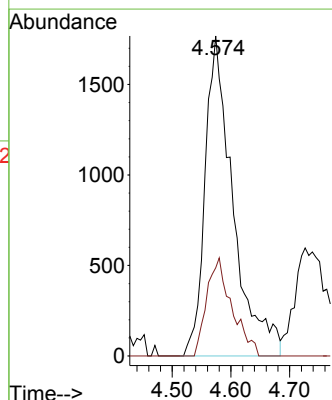
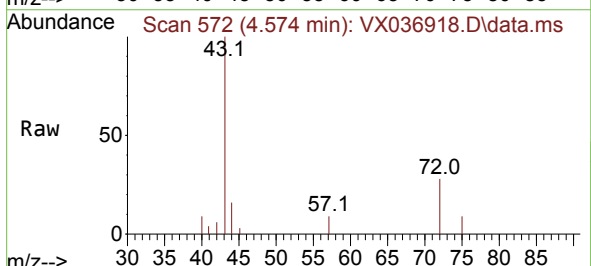
Acq: 10 Aug 2023 17:18

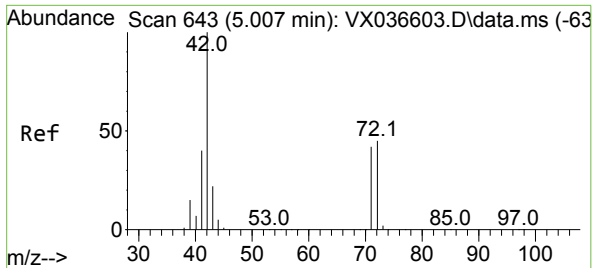
Tgt Ion: 43 Resp: 5864

Ion Ratio Lower Upper

43 100

72 27.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.398 ug/l

RT: 5.037 min Scan# 64

Delta R.T. 0.030 min

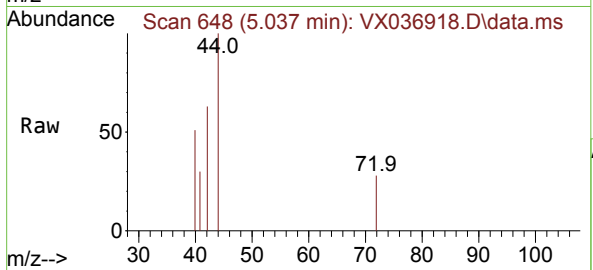
Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

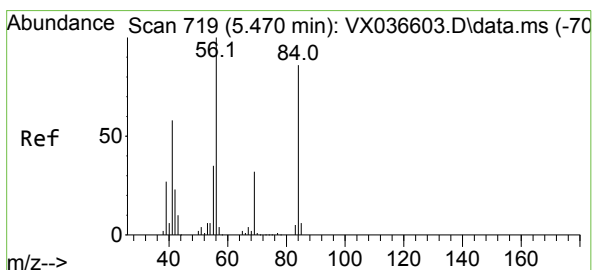
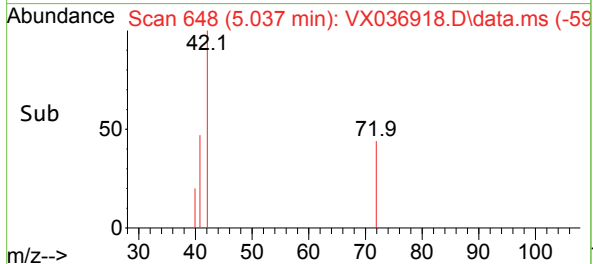
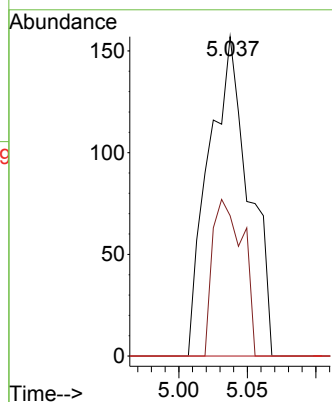
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	320
Ion	Ratio	Lower	Upper
42	100		
72	37.2	34.2	51.4
71	0.0	32.2	48.2#



#31

Cyclohexane

Concen: 1.009 ug/l

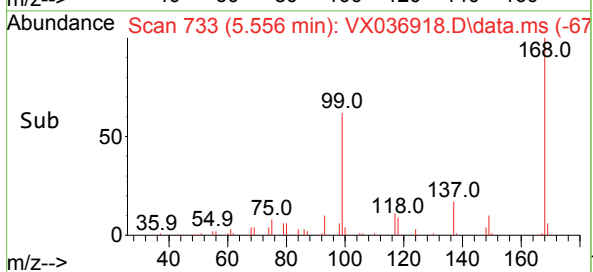
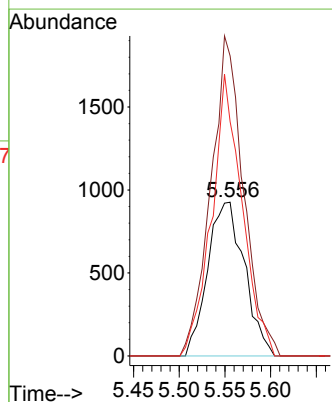
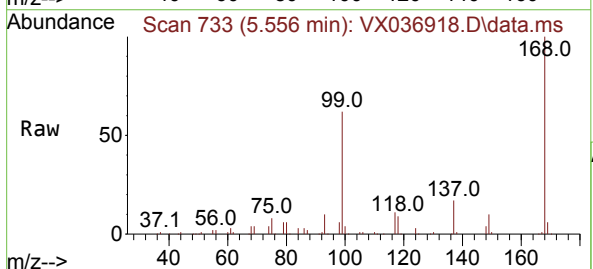
RT: 5.556 min Scan# 733

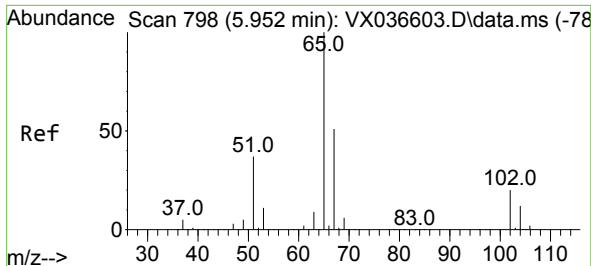
Delta R.T. 0.085 min

Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

Tgt Ion:	56	Resp:	2590
Ion	Ratio	Lower	Upper
56	100		
69	195.2	23.4	35.2#
84	152.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.674 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

Instrument :

MSVOA_X

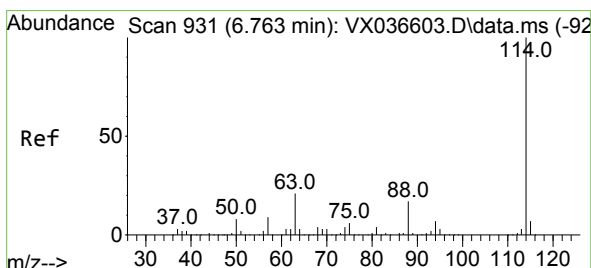
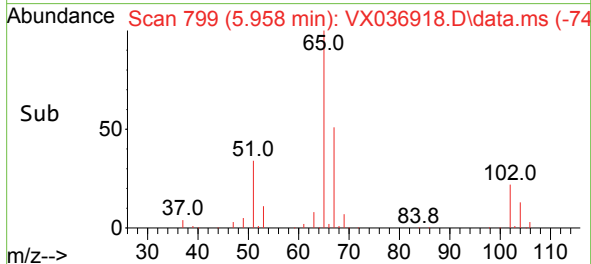
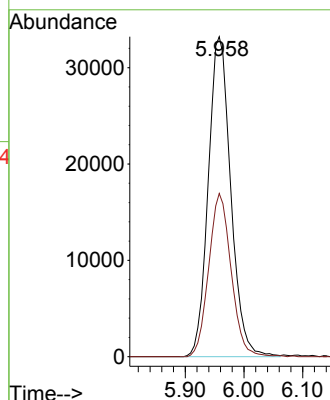
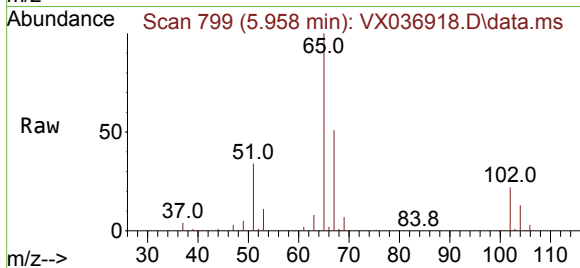
ClientSampleId :

Tgt Ion: 65 Resp: 88350

Ion Ratio Lower Upper

65 100

67 50.8 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: VX036918.D

Acq: 10 Aug 2023 17:18

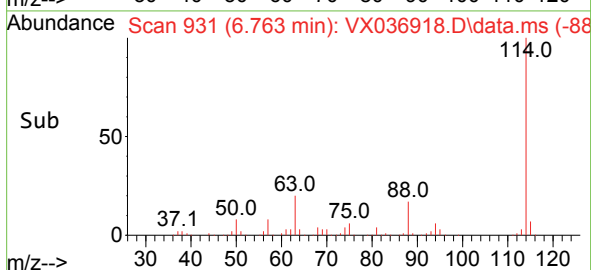
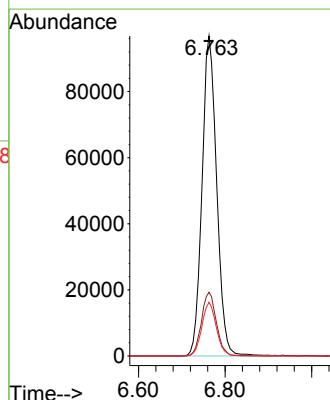
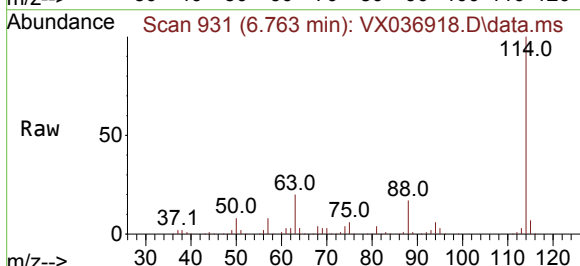
Tgt Ion: 114 Resp: 227348

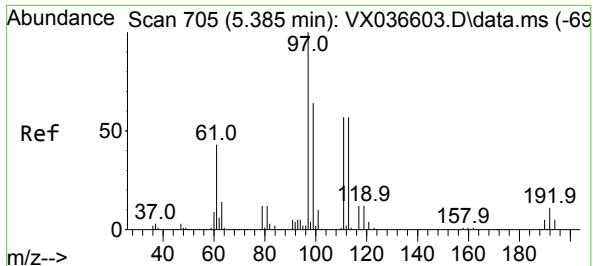
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.0

88 16.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.410 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

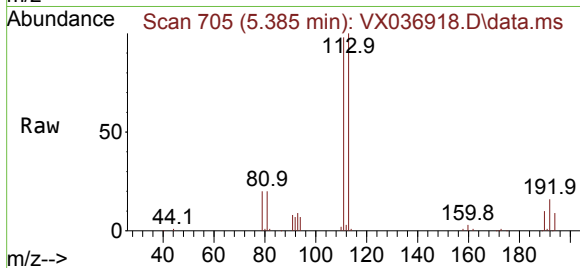
Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

Instrument :

MSVOA_X

ClientSampleId :



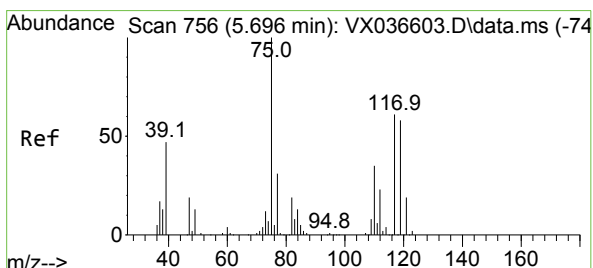
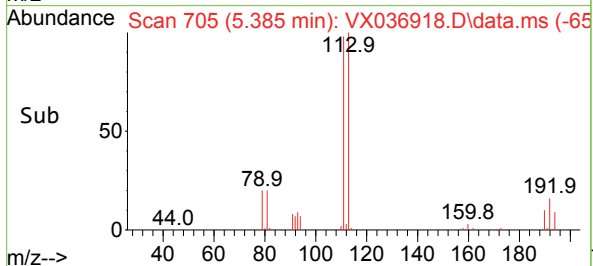
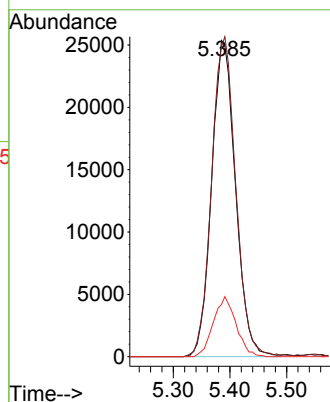
Tgt Ion:113 Resp: 74086

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

192 18.1 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.348 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

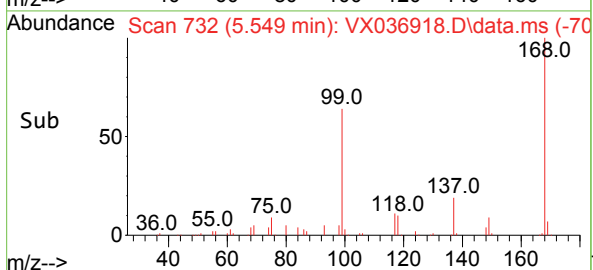
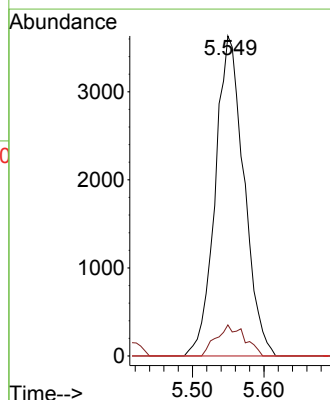
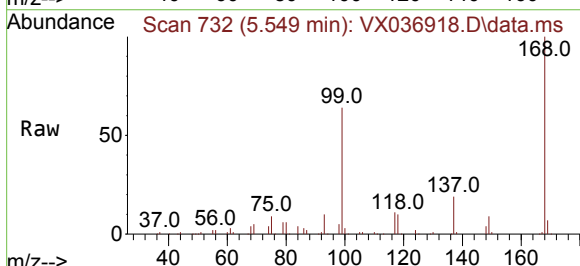
Tgt Ion: 75 Resp: 10127

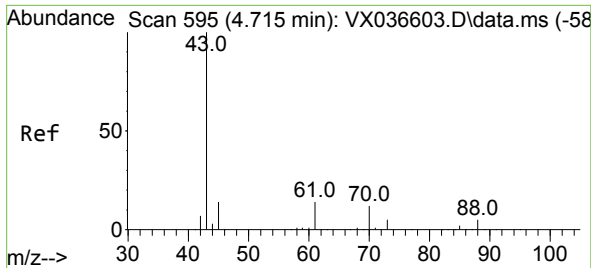
Ion Ratio Lower Upper

75 100

110 9.6 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.759 ug/l

RT: 4.726 min Scan# 597

Delta R.T. 0.012 min

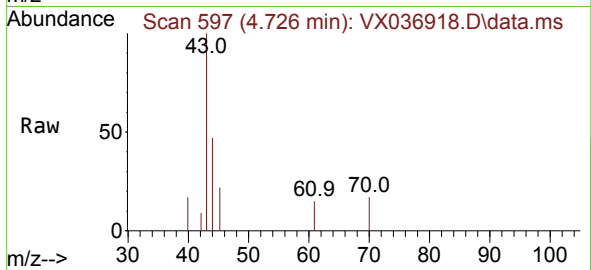
Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

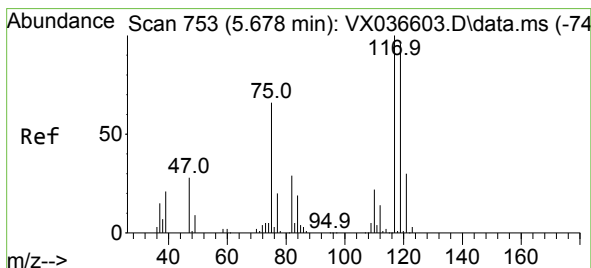
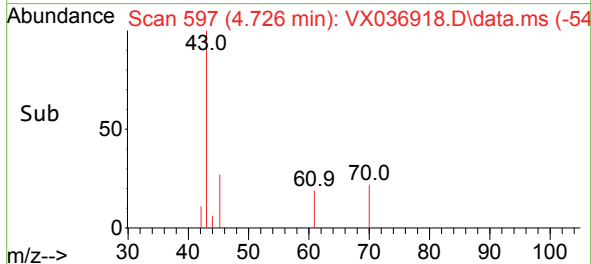
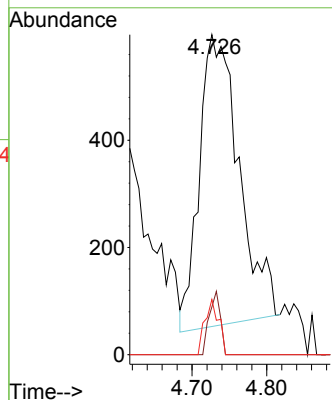
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2000
Ion	Ratio	Lower	Upper
43	100		
61	6.0	10.6	16.0#
70	6.6	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.488 ug/l

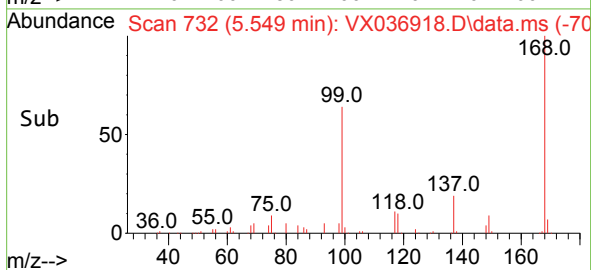
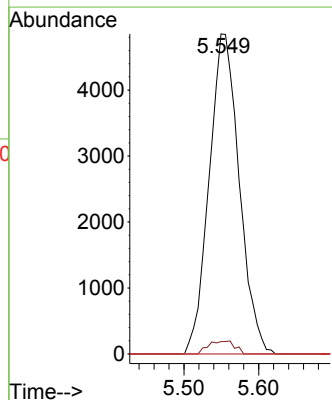
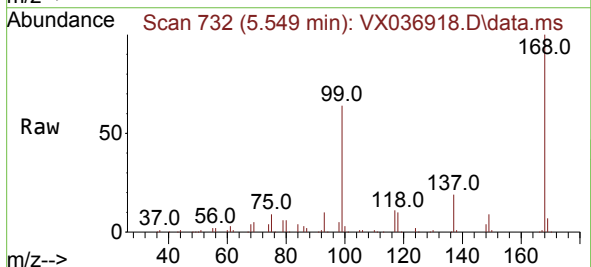
RT: 5.549 min Scan# 732

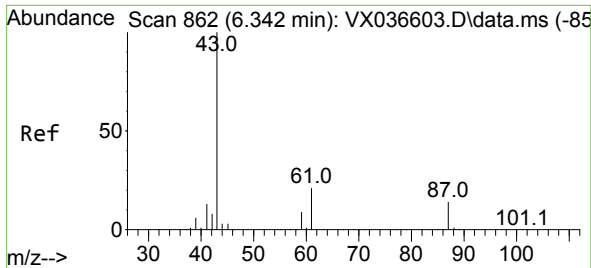
Delta R.T. -0.128 min

Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

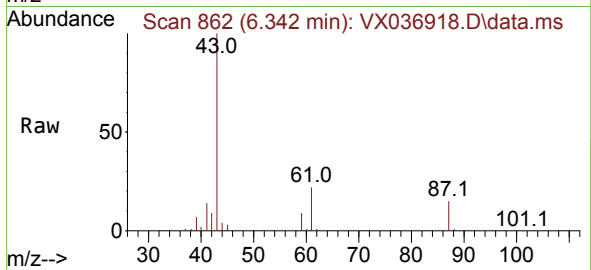
Tgt Ion:	117	Resp:	13590
Ion	Ratio	Lower	Upper
117	100		
119	3.8	78.2	117.2#
121	0.0	24.4	36.6#



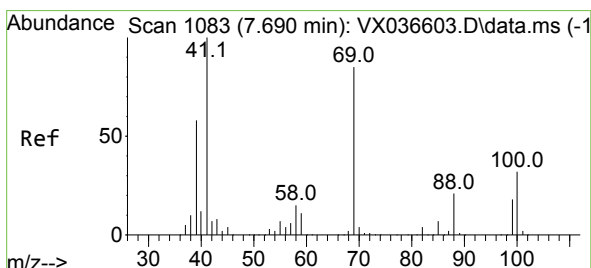
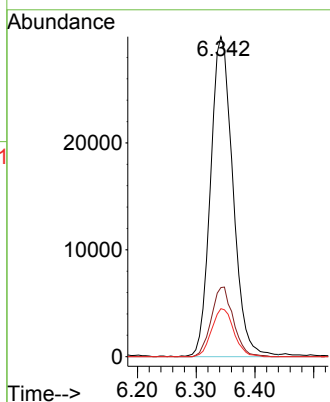
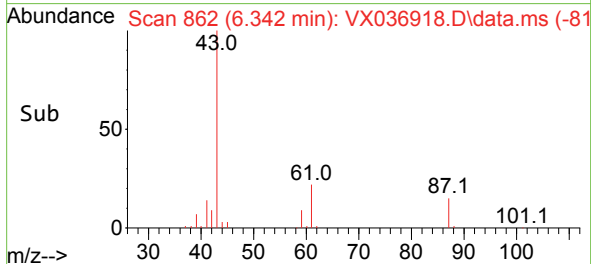


#43
Isopropyl Acetate
Concen: 17.460 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Instrument :
MSVOA_X
ClientSampleId :

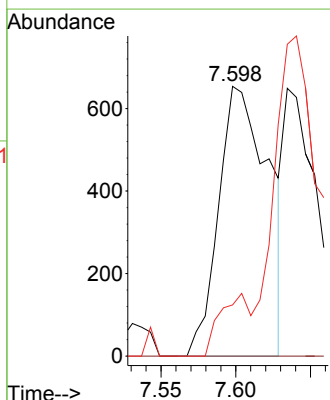
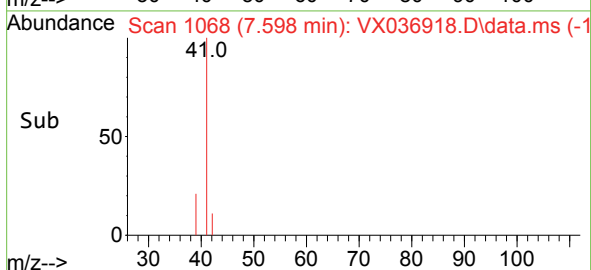
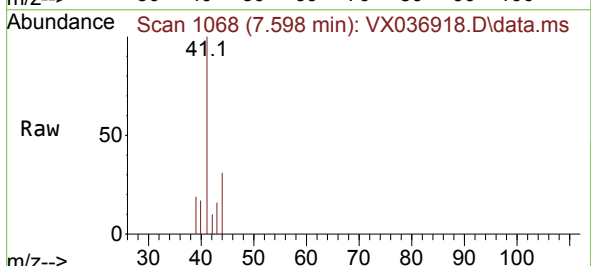


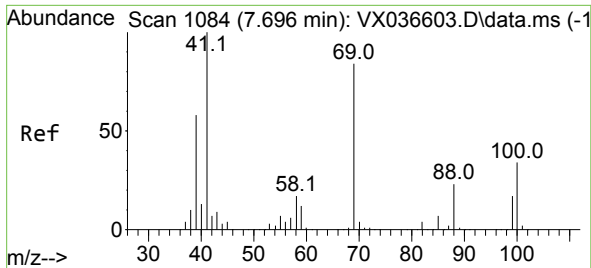
Tgt Ion: 43 Resp: 79232
Ion Ratio Lower Upper
43 100
61 21.4 15.2 22.8
87 14.8 9.8 14.6#



#48
Methyl methacrylate
Concen: 0.715 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.092 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Tgt Ion: 41 Resp: 1508
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

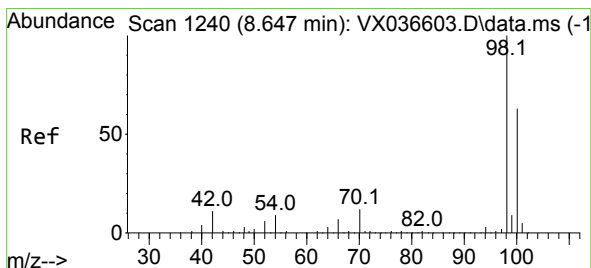
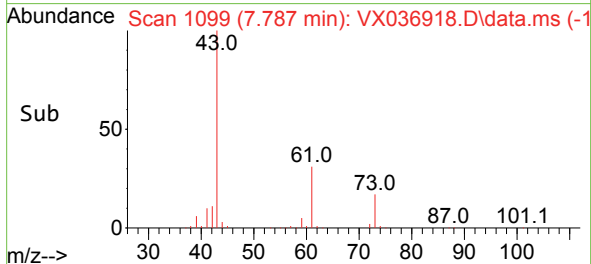
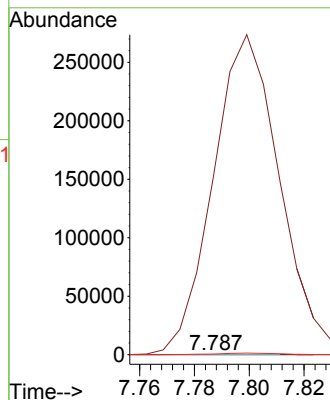
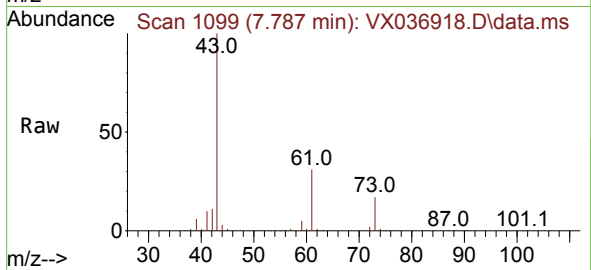




#49
1,4-Dioxane
Concen: 0.938 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.091 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

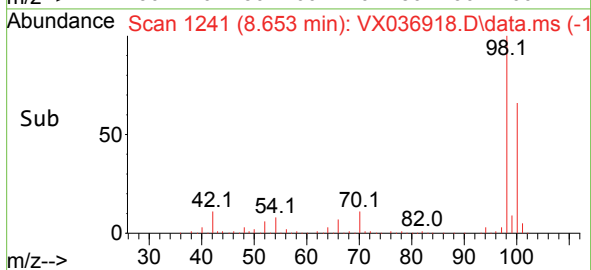
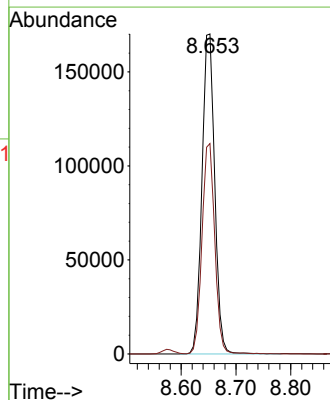
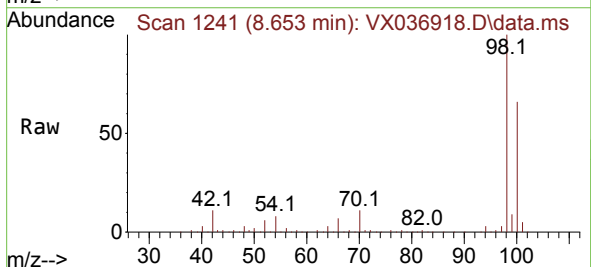
Instrument :
MSVOA_X
ClientSampleId :

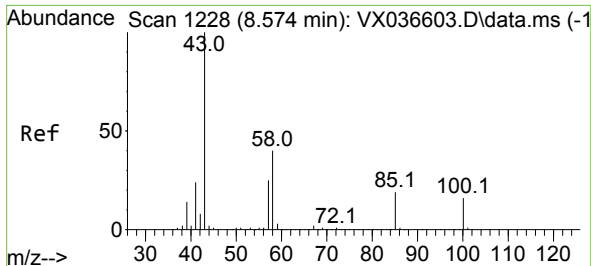
Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 1169197.5 0.0 0.0#
58 5465.0 60.1 90.1#



#50
Toluene-d8
Concen: 49.498 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Tgt Ion: 98 Resp: 274295
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

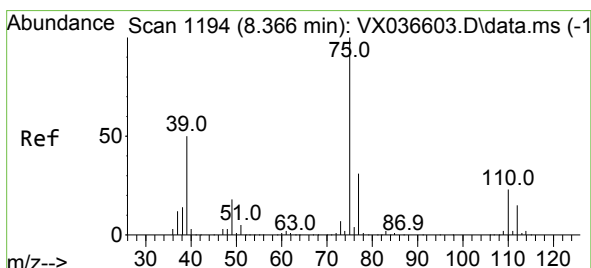
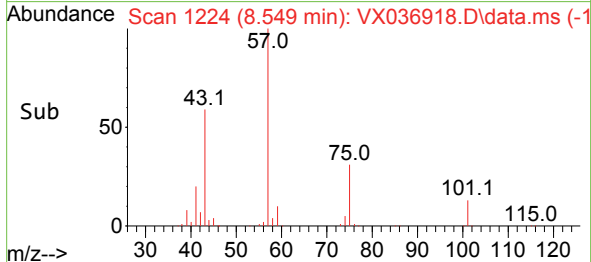
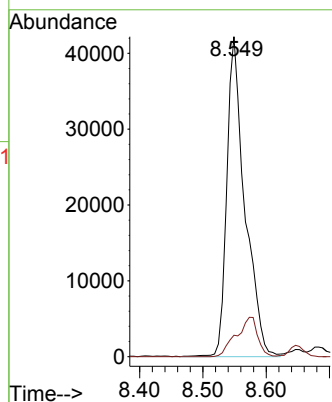
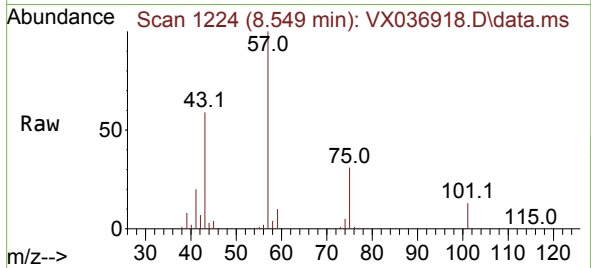




#51
4-Methyl-2-Pentanone
Concen: 33.203 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

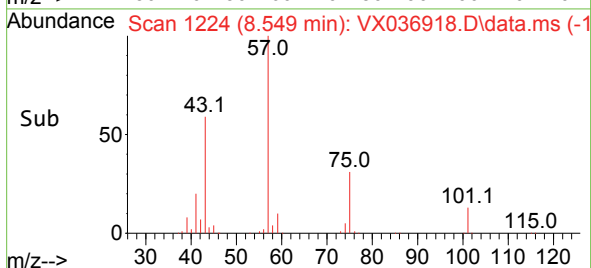
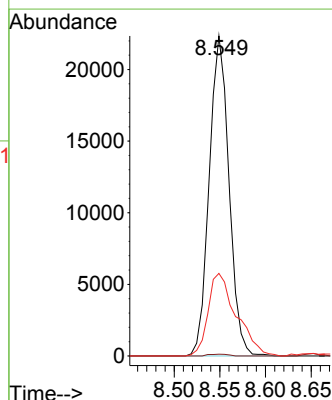
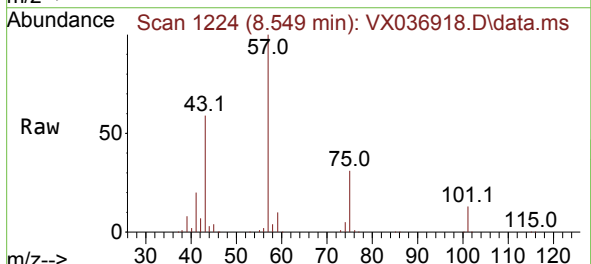
Instrument :
MSVOA_X
ClientSampleId :

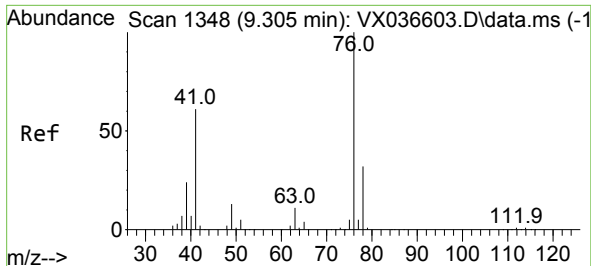
Tgt Ion: 43 Resp: 83381
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 10.871 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

Tgt Ion: 75 Resp: 33698
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 25.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.832 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036918.D

Acq: 10 Aug 2023 17:18

Instrument :

MSVOA_X

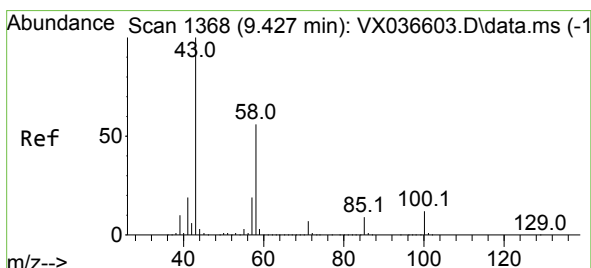
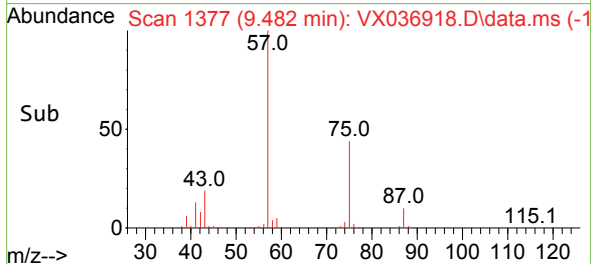
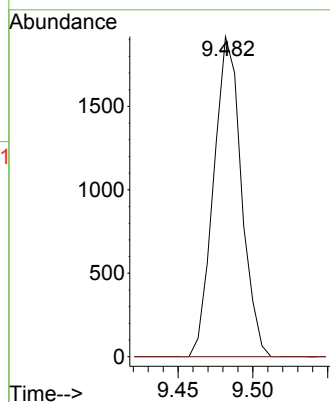
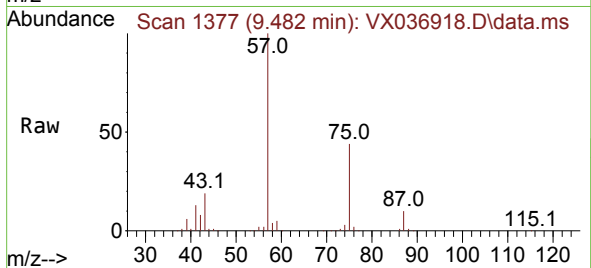
ClientSampleId :

Tgt Ion: 76 Resp: 2472

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 45.498 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036918.D

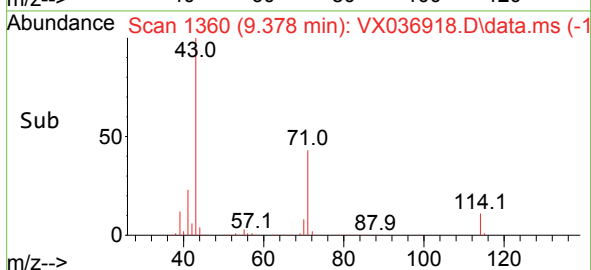
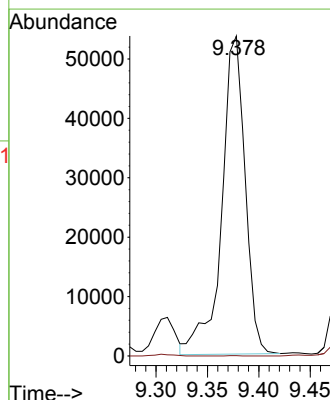
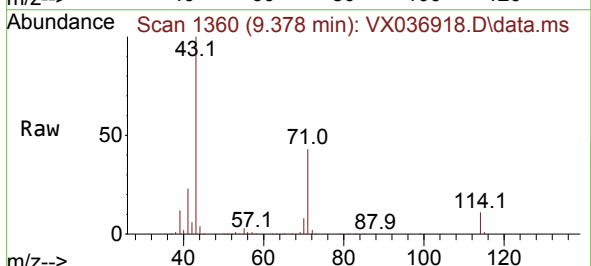
Acq: 10 Aug 2023 17:18

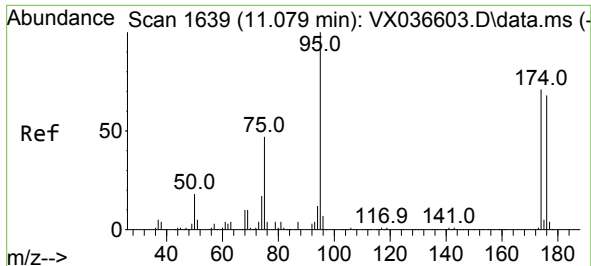
Tgt Ion: 43 Resp: 84797

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

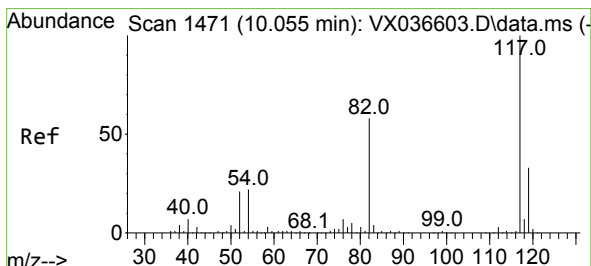
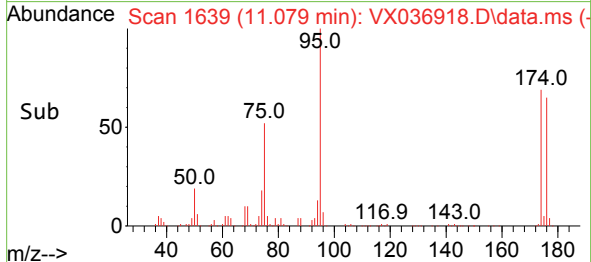
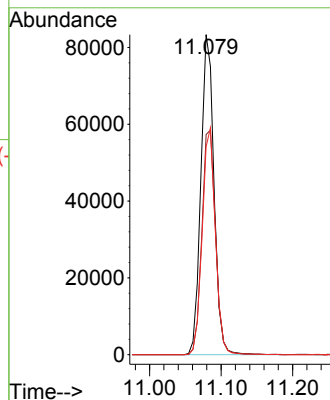
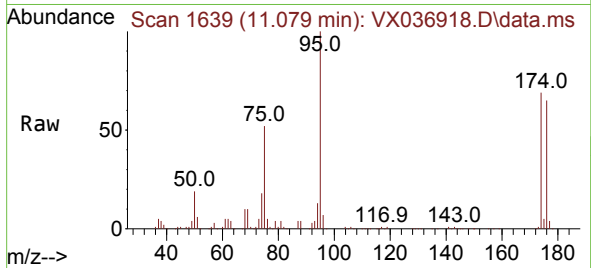




#62
4-Bromofluorobenzene
Concen: 50.819 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

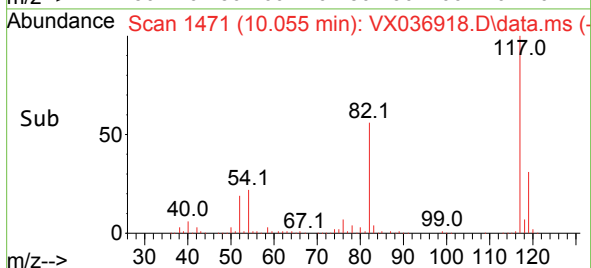
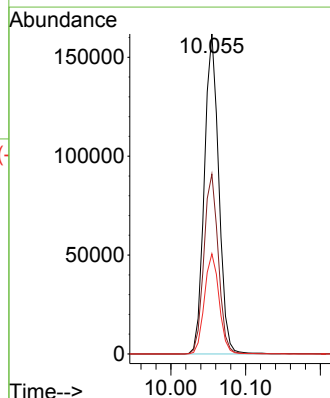
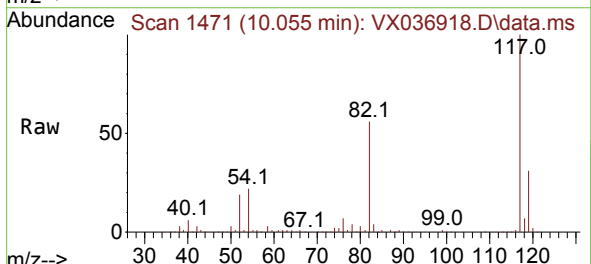
Instrument :
MSVOA_X
ClientSampleId :

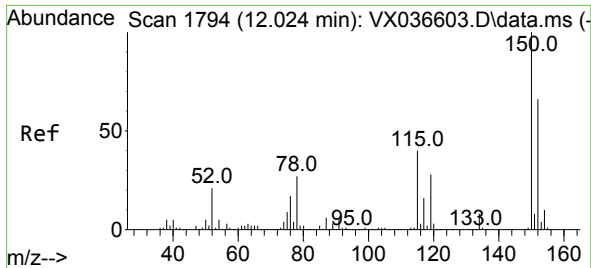
Tgt Ion: 95 Resp: 106250
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036918.D
Acq: 10 Aug 2023 17:18

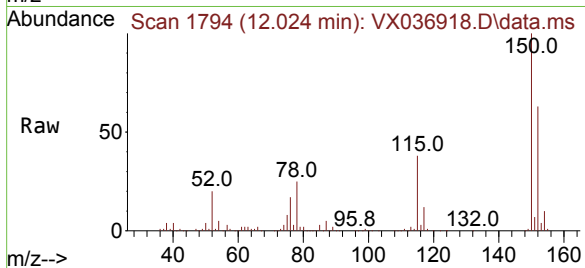
Tgt Ion: 117 Resp: 216588
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 31.3 25.5 38.3



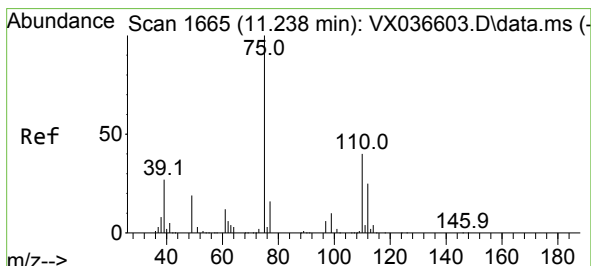
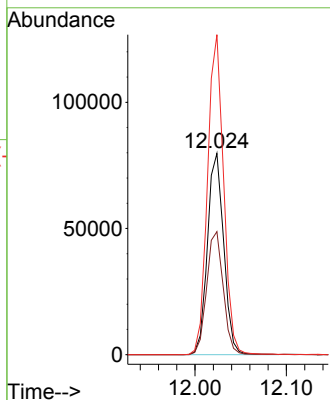
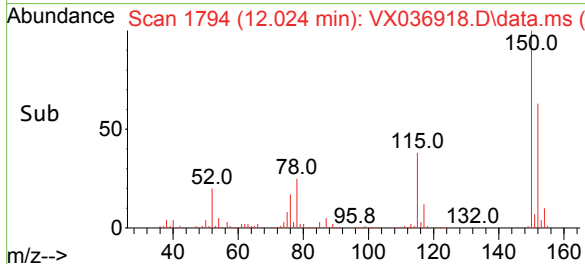


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX036918.D
 Acq: 10 Aug 2023 17:18

Instrument :
 MSVOA_X
 ClientSampleId :

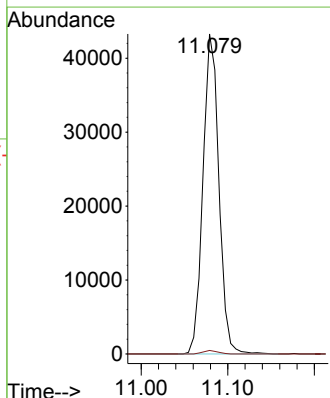
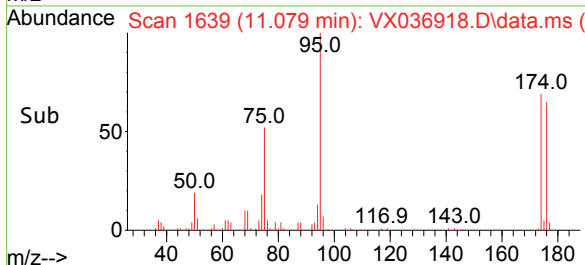
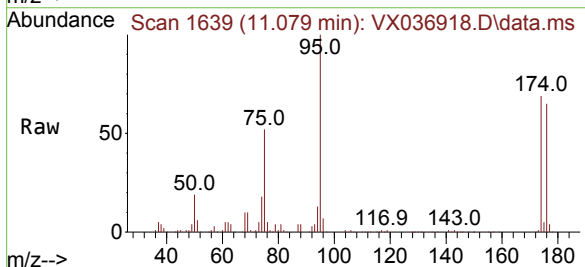


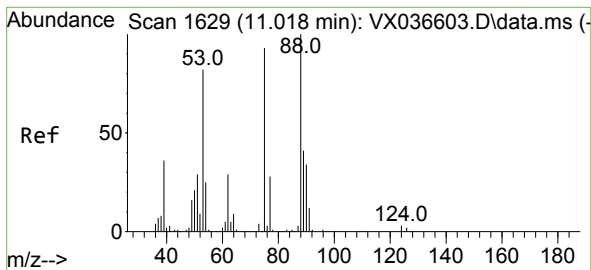
Tgt Ion:152 Resp: 98672
 Ion Ratio Lower Upper
 152 100
 115 62.3 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.809 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX036918.D
 Acq: 10 Aug 2023 17:18

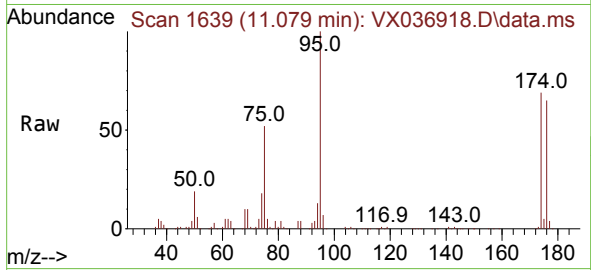
Tgt Ion: 75 Resp: 55257
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.964 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036918.D
 Acq: 10 Aug 2023 17:18

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 55257
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

