

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036942.D
 Acq On : 11 Aug 2023 15:39
 Operator : JC/MD
 Sample : 03955-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 23:00:19 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	5.550	168	123568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101140	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87623	47.924	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.840%
35) Dibromofluoromethane	5.385	113	74193	46.995	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.000%
50) Toluene-d8	8.647	98	277200	49.513	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.020%
62) 4-Bromofluorobenzene	11.079	95	110946	52.525	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.060%

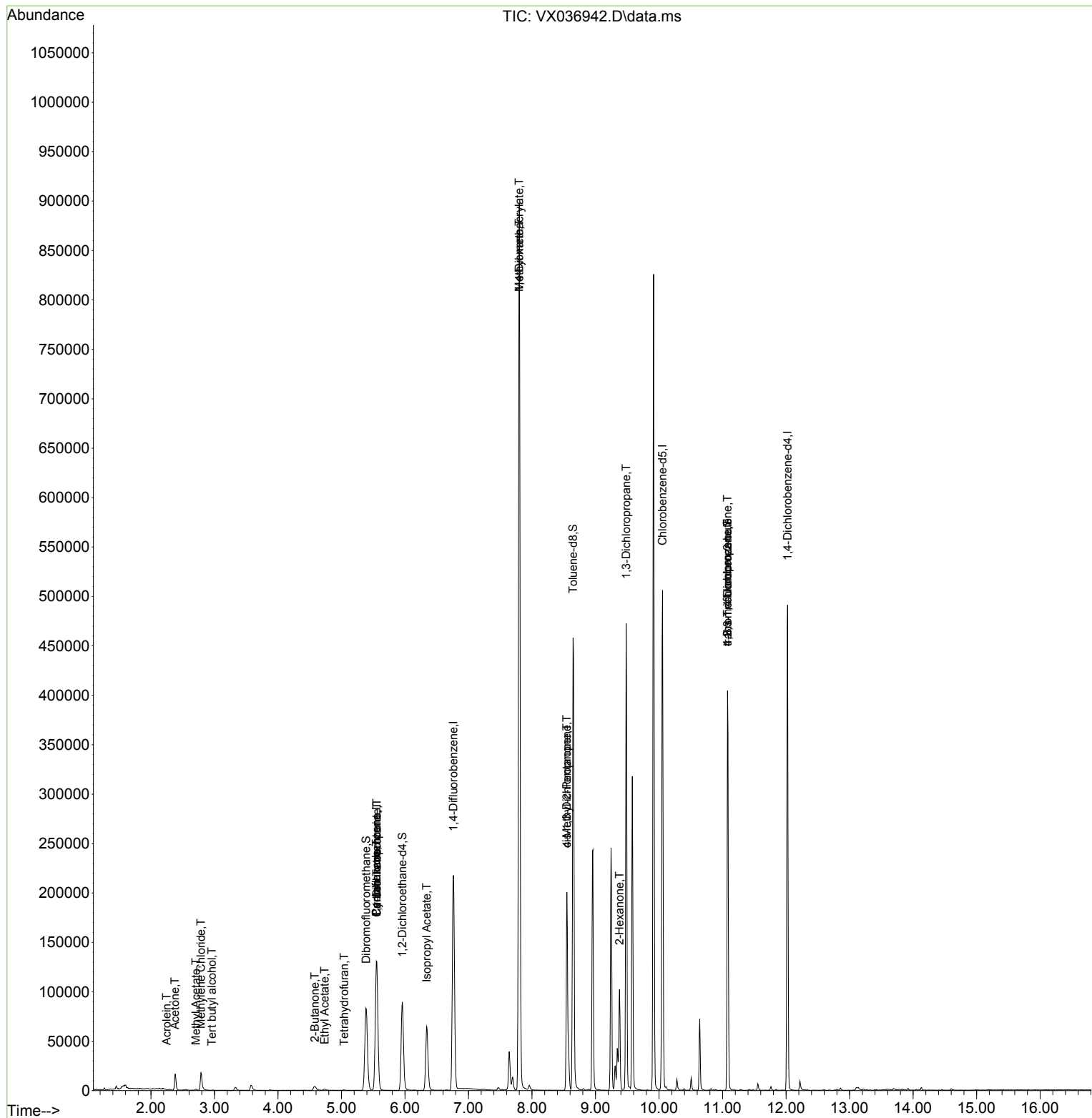
Target Compounds				Qvalue		
11) Tert butyl alcohol	2.959	59	344	0.795	ug/l #	78
13) Acrolein	2.245	56	100	0.405	ug/l #	1
16) Acetone	2.380	43	17928	23.630	ug/l	94
18) Methyl Acetate	2.709	43	1546	0.484	ug/l	96
20) Methylene Chloride	2.788	84	9420	5.583	ug/l	90
25) 2-Butanone	4.580	43	5868	4.767	ug/l	98
29) Tetrahydrofuran	5.044	42	296	0.373	ug/l #	67
31) Cyclohexane	5.550	56	2749	1.086	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10063	4.276	ug/l #	50
37) Ethyl Acetate	4.733	43	2127	0.799	ug/l	99
38) Carbon Tetrachloride	5.556	117	13424	5.366	ug/l #	15
43) Isopropyl Acetate	6.342	43	87384	19.060	ug/l #	94
48) Methyl methacrylate	7.799	41	77101	36.162	ug/l #	48
49) 1,4-Dioxane	7.799	88	125	2.902	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80128	31.583	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	33023	10.545	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	4151	1.382	ug/l #	42
59) 2-Hexanone	9.378	43	74987	39.825	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	58008	24.384	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58008	55.268	ug/l #	5

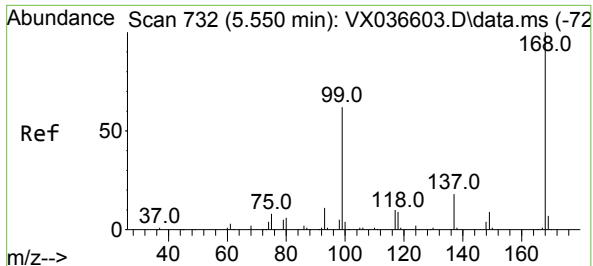
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

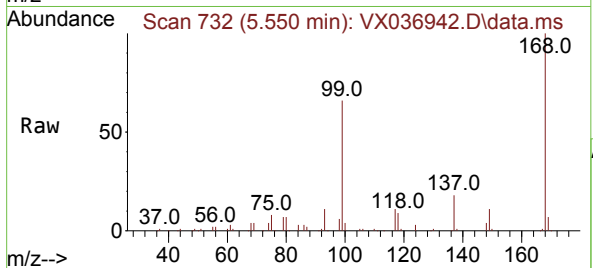
Quant Time: Aug 11 23:00:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration



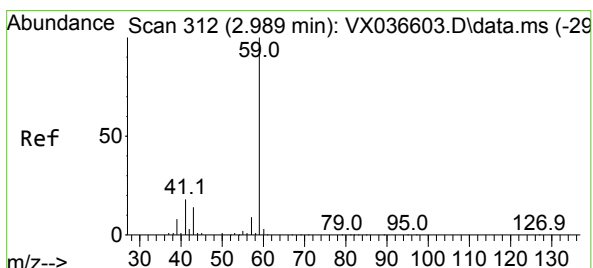
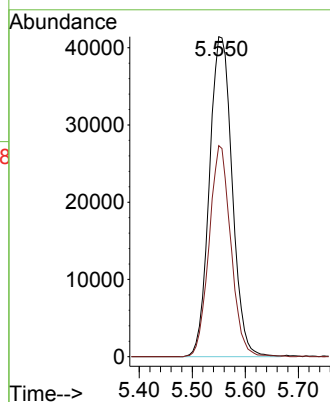
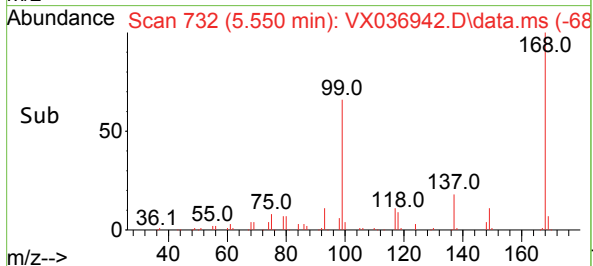


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_X
ClientSampleId :

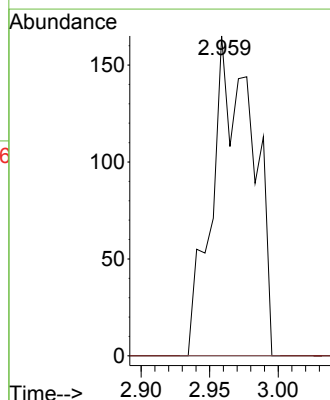
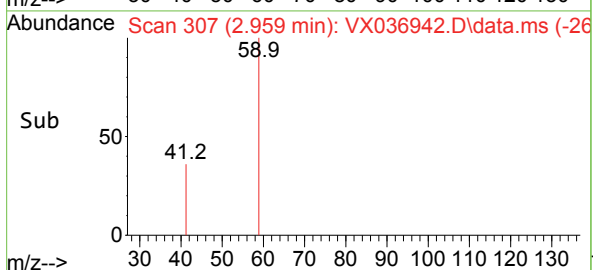
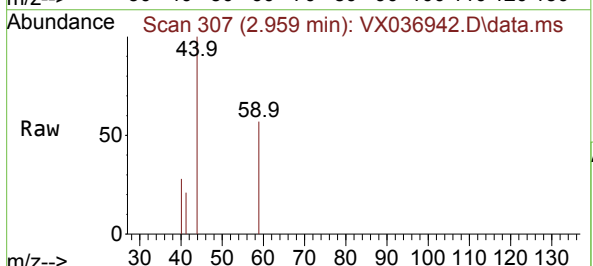


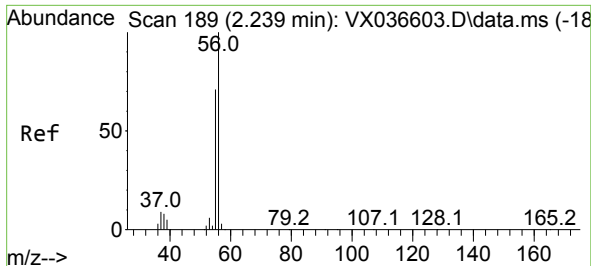
Tgt Ion:168 Resp: 123568
Ion Ratio Lower Upper
168 100
99 66.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.795 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.030 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 59 Resp: 344
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

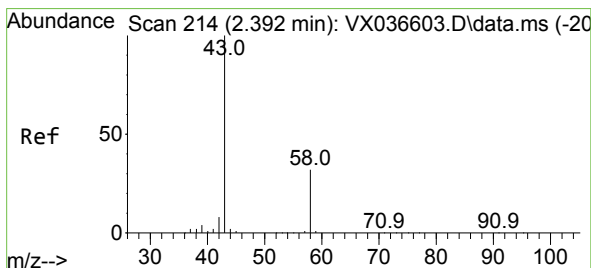
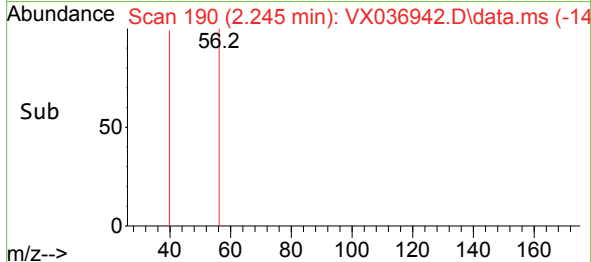
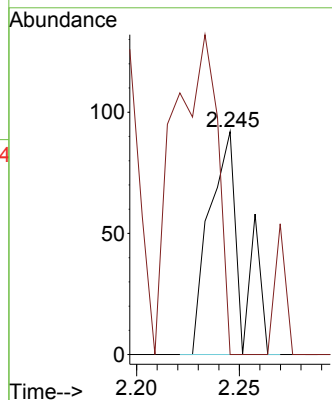
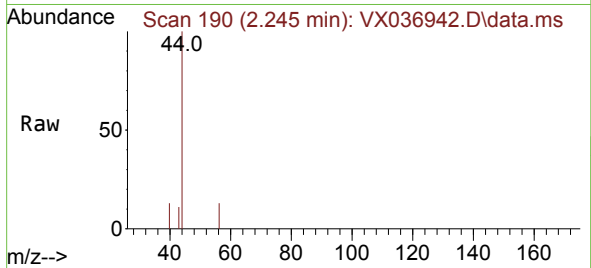




#13
Acrolein
Concen: 0.405 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

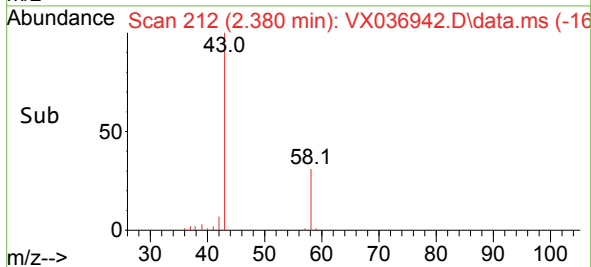
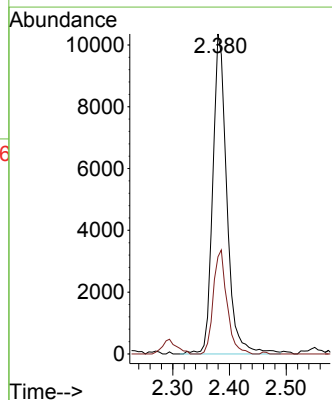
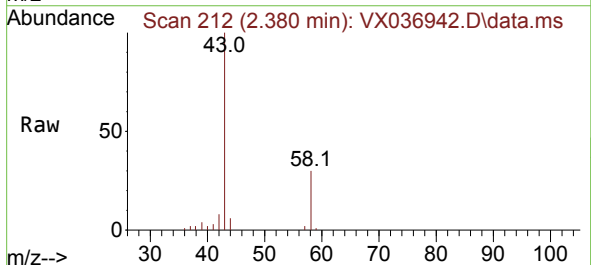
Instrument :
MSVOA_X
ClientSampleId :

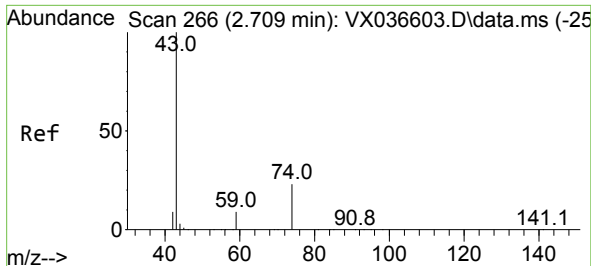
Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 194.0 57.1 85.7#



#16
Acetone
Concen: 23.630 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

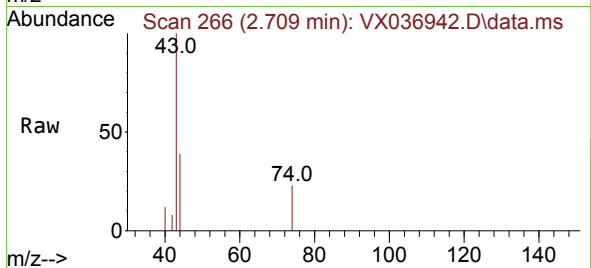
Tgt Ion: 43 Resp: 17928
Ion Ratio Lower Upper
43 100
58 30.3 21.9 32.9



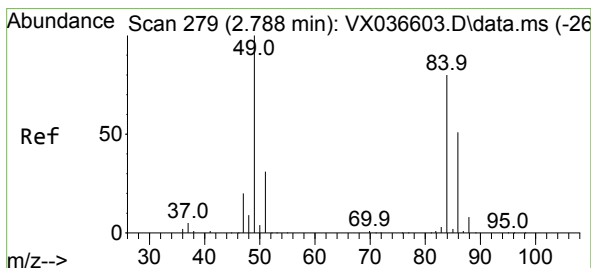
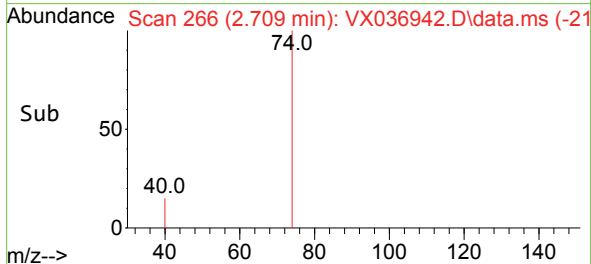
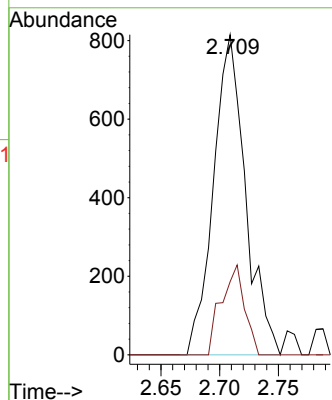


#18
Methyl Acetate
Concen: 0.484 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_X
ClientSampleId :

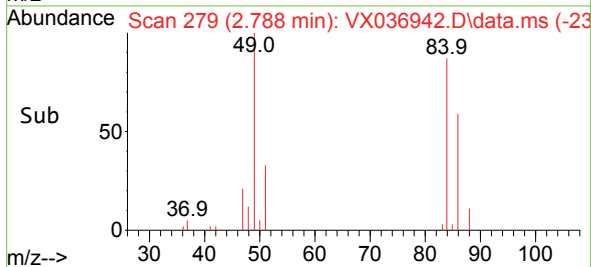
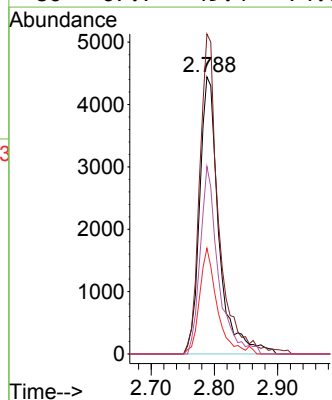
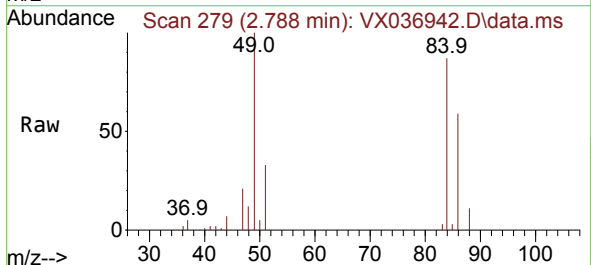


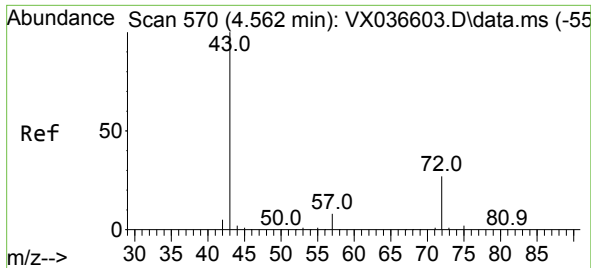
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
74 20.4 17.8 26.8



#20
Methylene Chloride
Concen: 5.583 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 84 Resp: 9420
Ion Ratio Lower Upper
84 100
49 115.5 103.6 155.4
51 38.2 33.8 50.6
86 67.7 49.4 74.0

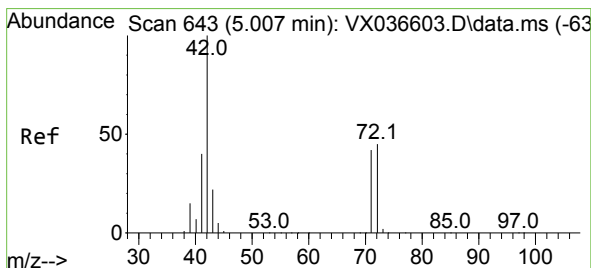
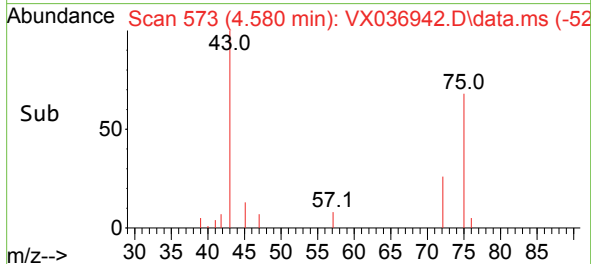
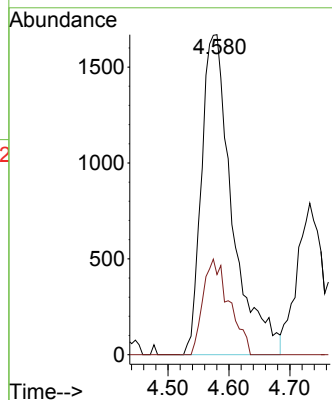
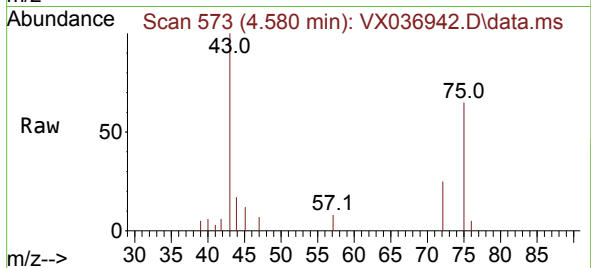




#25
2-Butanone
Concen: 4.767 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

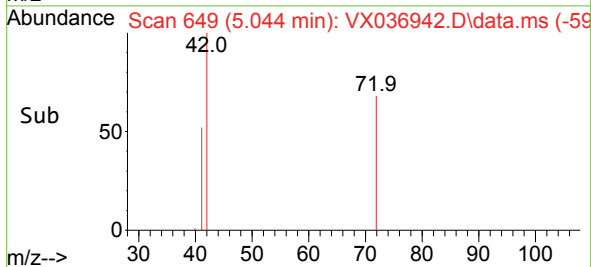
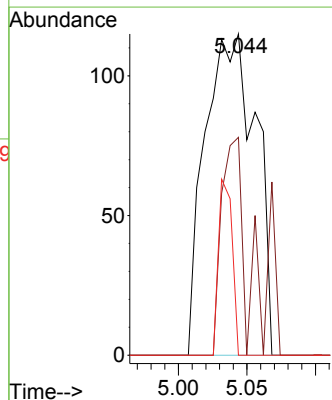
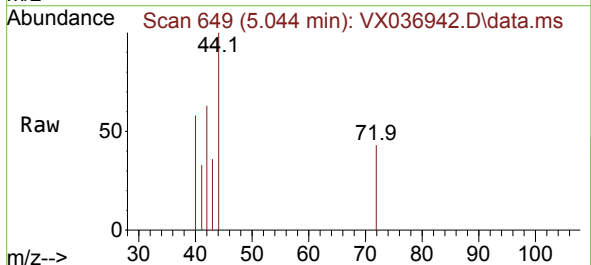
Instrument :
MSVOA_X
ClientSampleId :

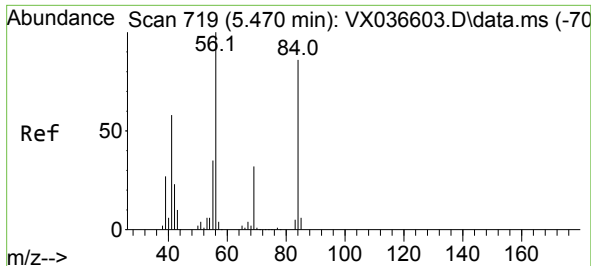
Tgt Ion: 43 Resp: 5868
Ion Ratio Lower Upper
43 100
72 25.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

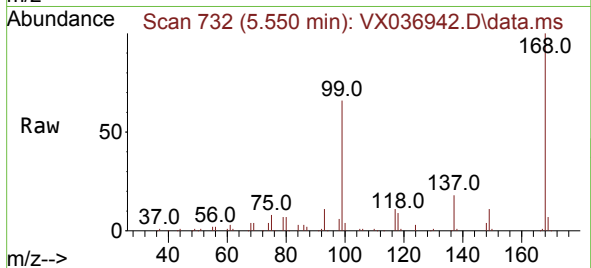
Tgt Ion: 42 Resp: 296
Ion Ratio Lower Upper
42 100
72 26.0 34.2 51.4#
71 14.9 32.2 48.2#



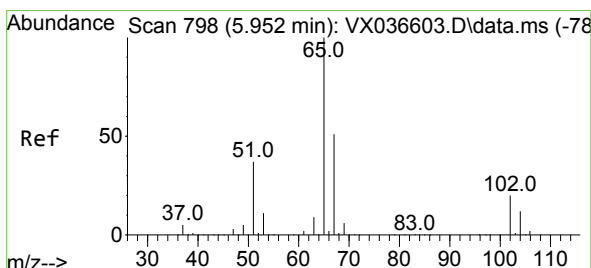
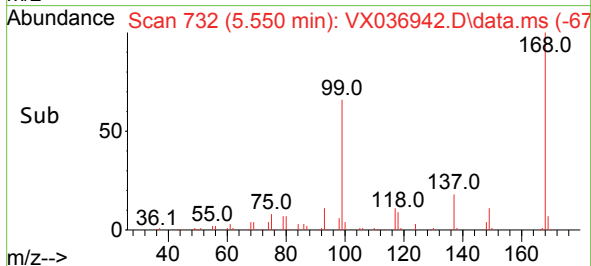
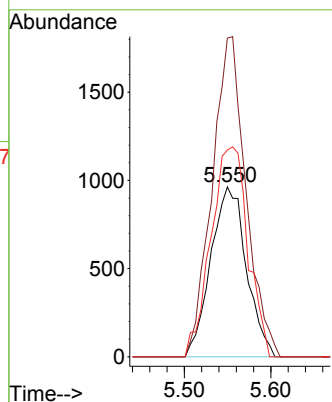


#31
Cyclohexane
Concen: 1.086 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_X
ClientSampleId :

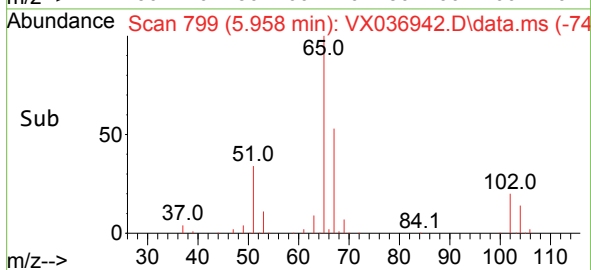
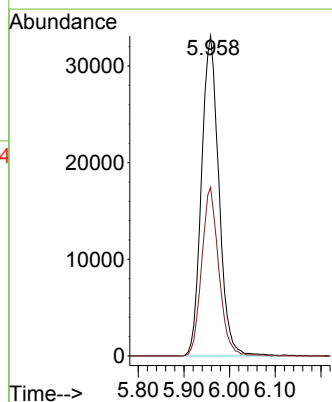
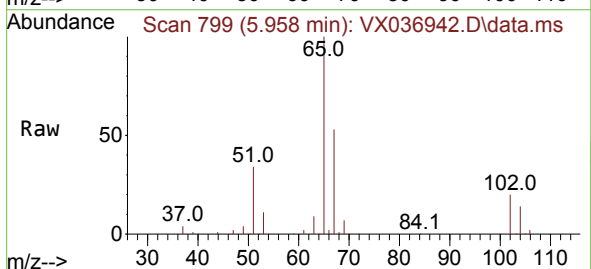


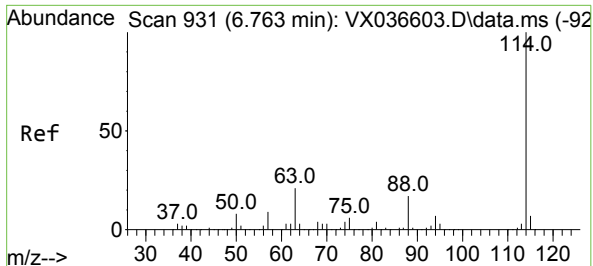
Tgt Ion: 56 Resp: 2749
Ion Ratio Lower Upper
56 100
69 187.6 23.4 35.2#
84 121.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.924 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 65 Resp: 87623
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

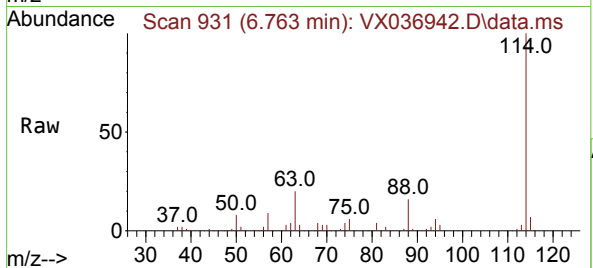
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Acq: 11 Aug 2023 15:39

Instrument :

MSVOA_X

ClientSampleId :



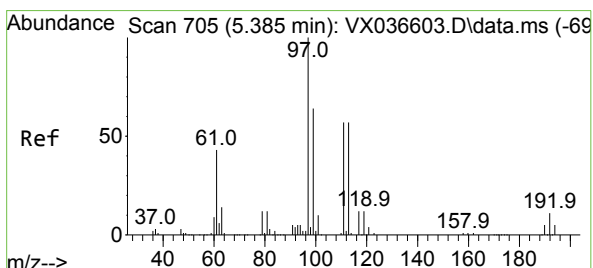
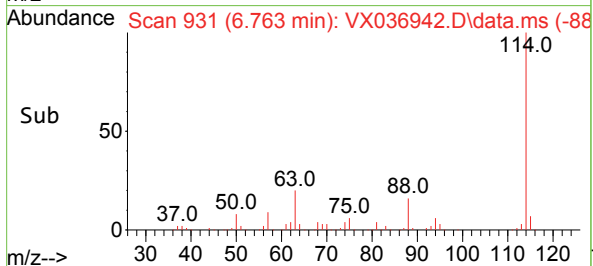
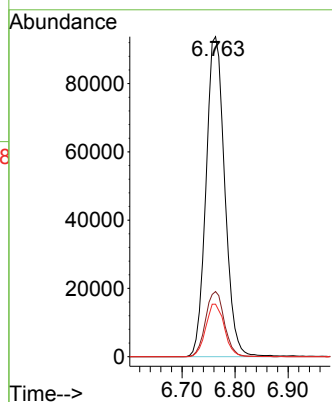
Tgt Ion:114 Resp: 229686

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 16.4 0.0 36.6



#35

Dibromofluoromethane

Concen: 46.995 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036942.D

Acq: 11 Aug 2023 15:39

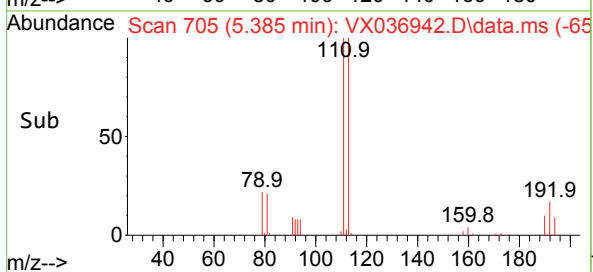
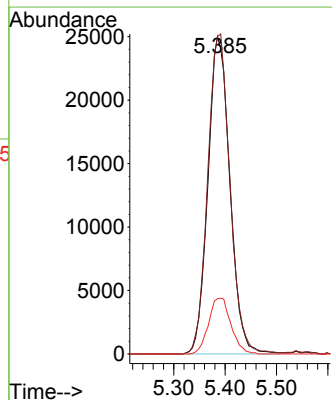
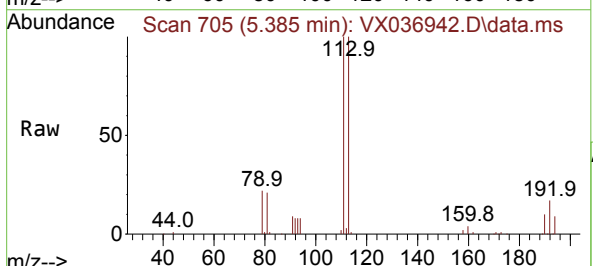
Tgt Ion:113 Resp: 74193

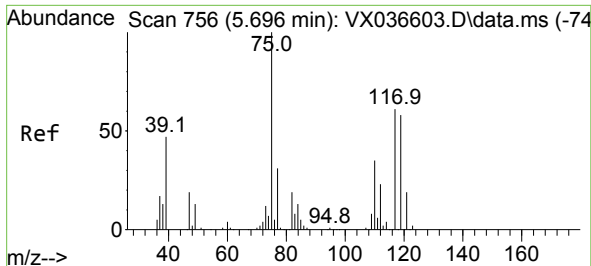
Ion Ratio Lower Upper

113 100

111 102.4 82.9 124.3

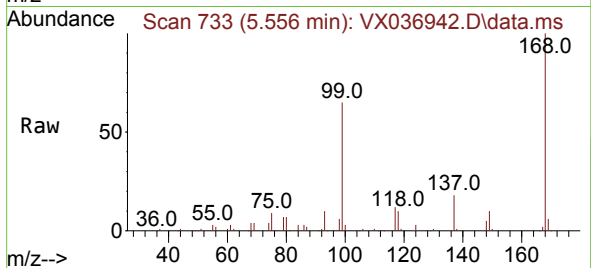
192 17.9 13.3 19.9



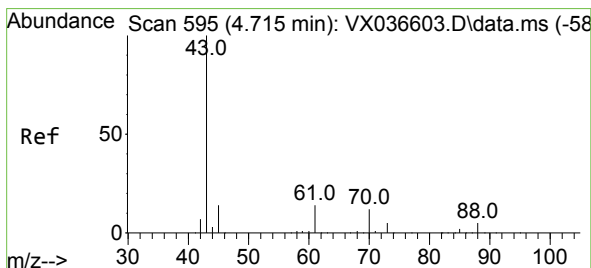
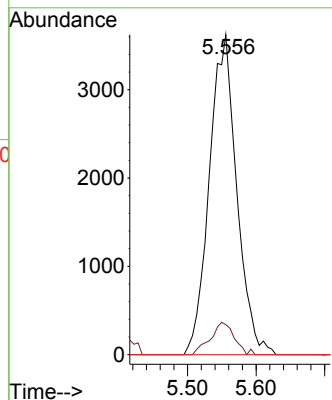
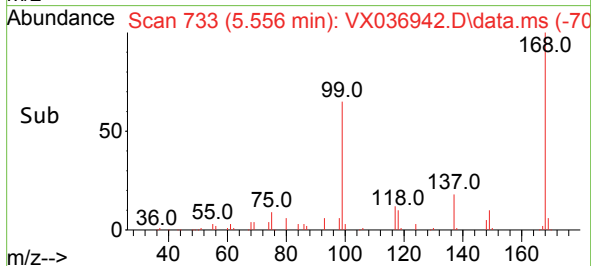


#36
1,1-Dichloropropene
Concen: 4.276 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_X
ClientSampleId :

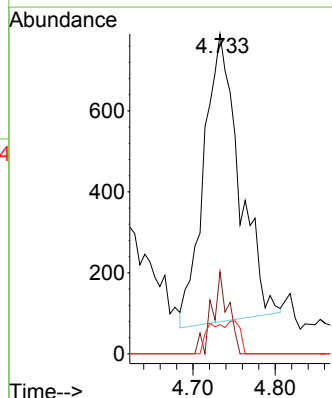
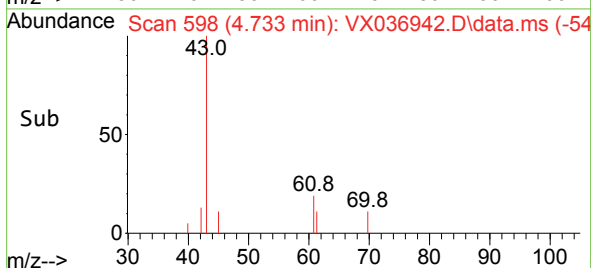
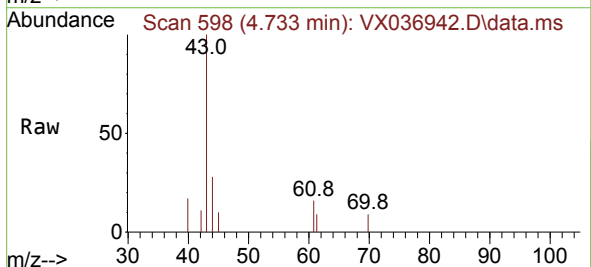


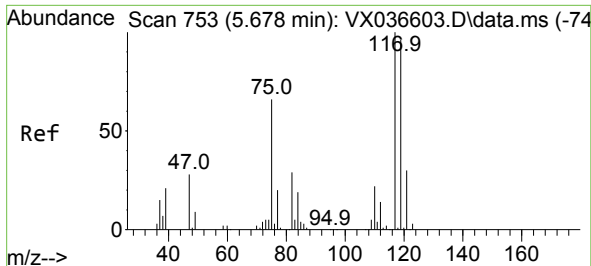
Tgt Ion: 75 Resp: 10063
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.799 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

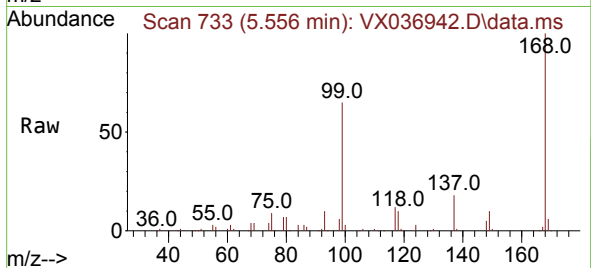
Tgt Ion: 43 Resp: 2127
Ion Ratio Lower Upper
43 100
61 13.0 10.6 16.0
70 9.5 8.3 12.5



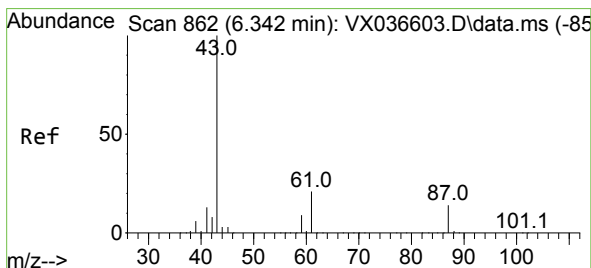
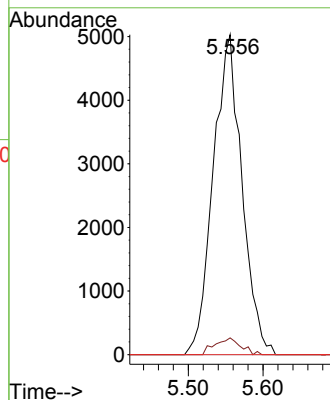
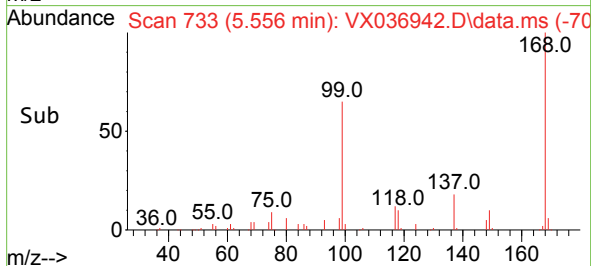


#38
Carbon Tetrachloride
Concen: 5.366 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Instrument :
MSVOA_X
ClientSampleId :

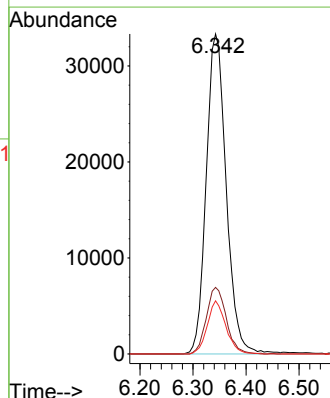
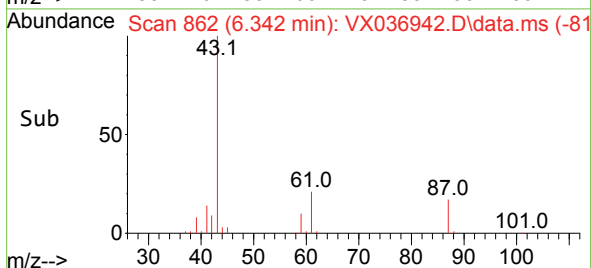
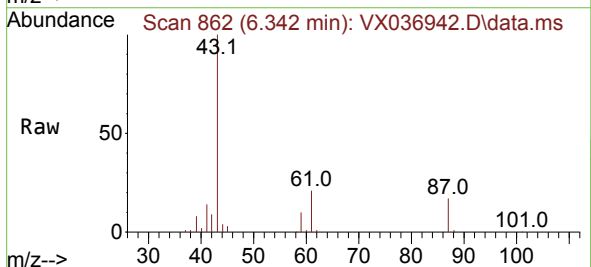


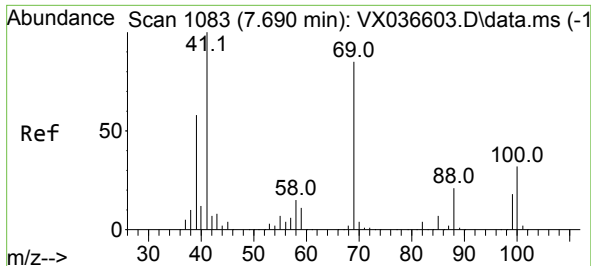
Tgt Ion:117 Resp: 13424
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.060 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 43 Resp: 87384
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 15.4 9.8 14.6#





#48

Methyl methacrylate

Concen: 36.162 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036942.D

Acq: 11 Aug 2023 15:39

Instrument :

MSVOA_X

ClientSampleId :

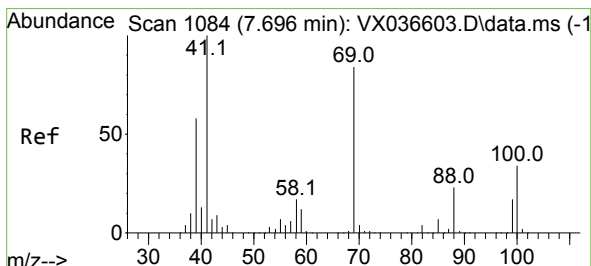
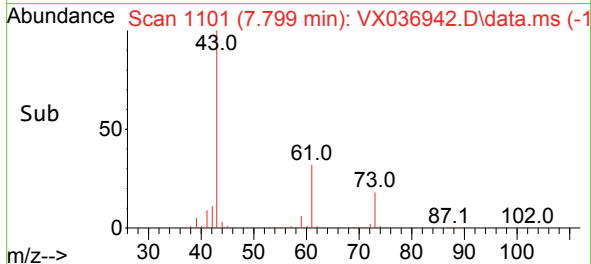
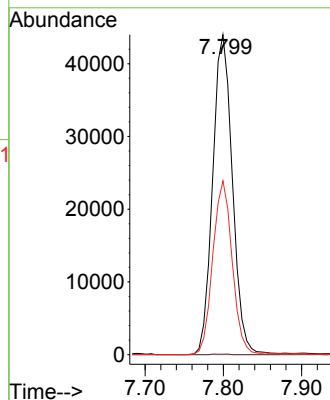
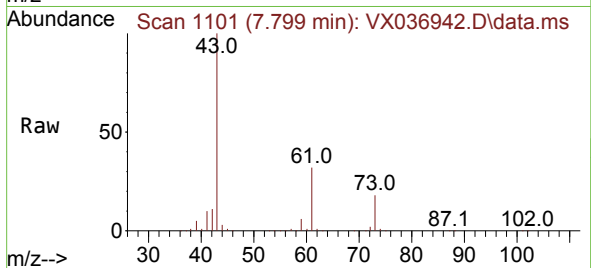
Tgt Ion: 41 Resp: 77101

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 53.5 47.7 71.5



#49

1,4-Dioxane

Concen: 2.902 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX036942.D

Acq: 11 Aug 2023 15:39

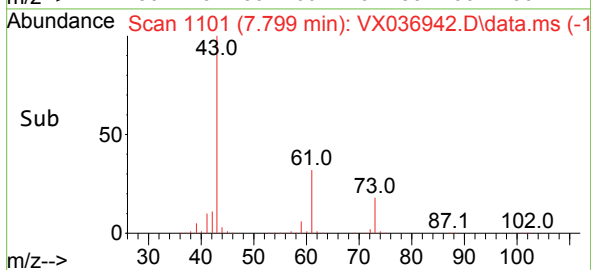
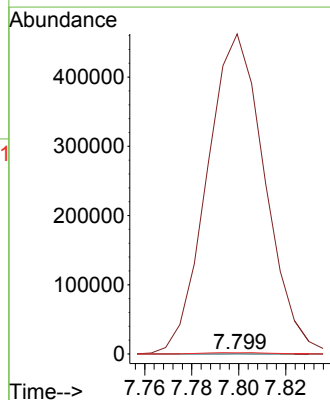
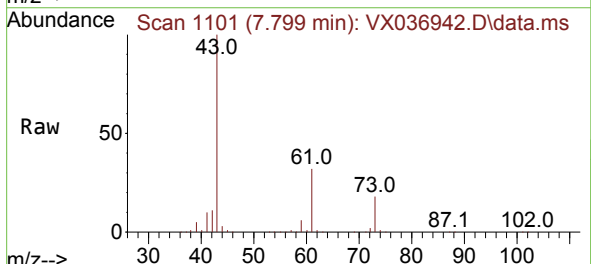
Tgt Ion: 88 Resp: 125

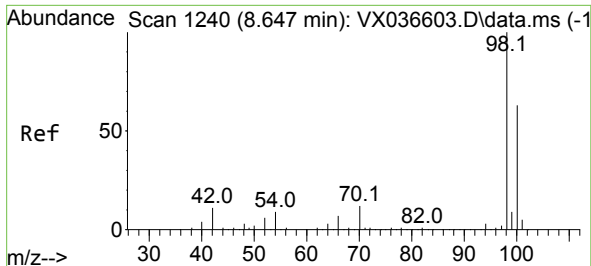
Ion Ratio Lower Upper

88 100

43 639762.4 0.0 0.0#

58 2845.6 60.1 90.1#

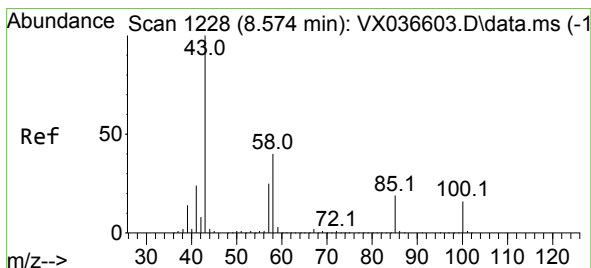
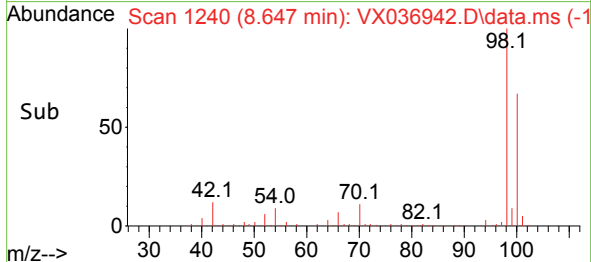
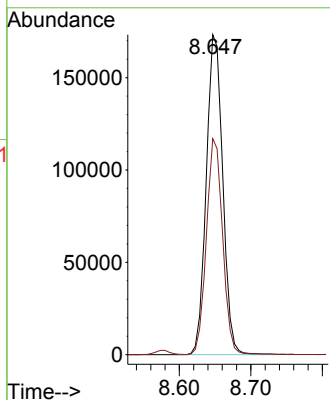
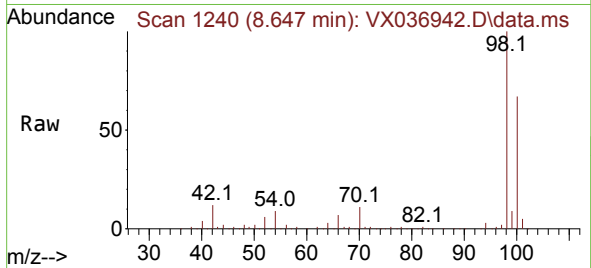




#50
Toluene-d8
Concen: 49.513 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

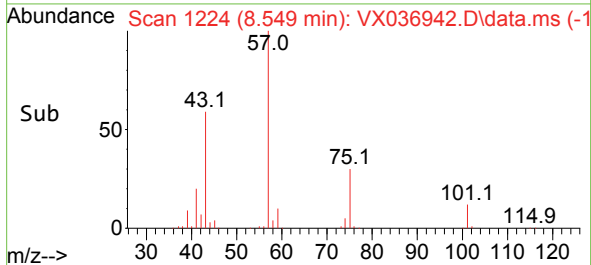
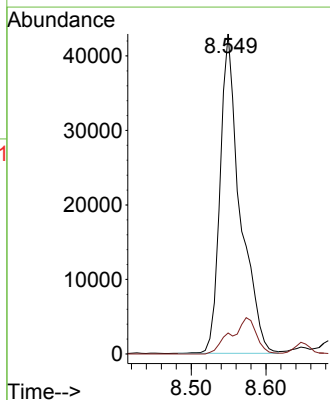
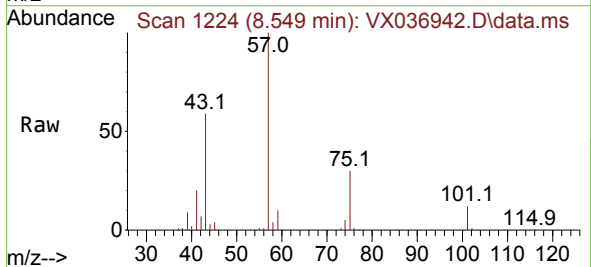
Instrument :
MSVOA_X
ClientSampleId :

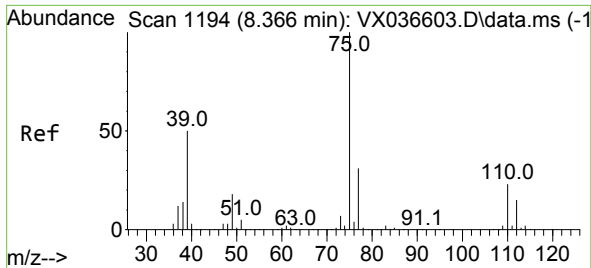
Tgt Ion: 98 Resp: 277200
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 31.583 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 43 Resp: 80128
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

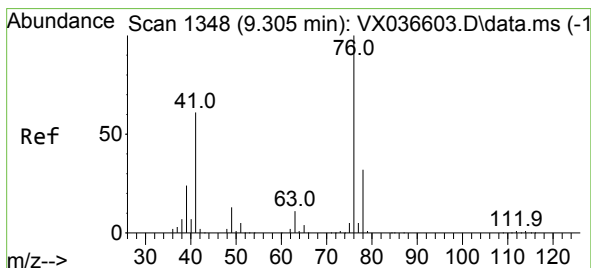
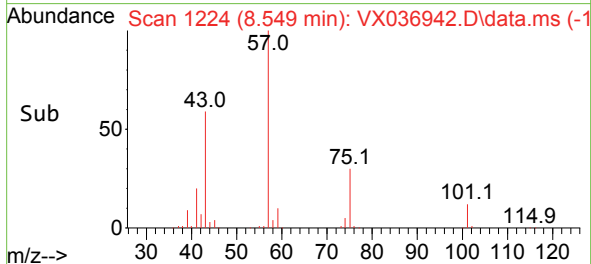
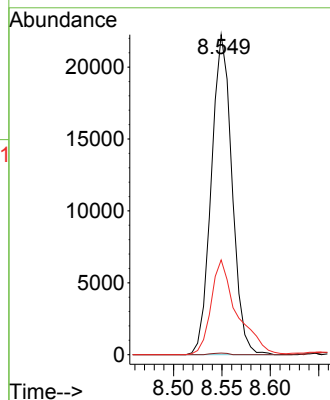
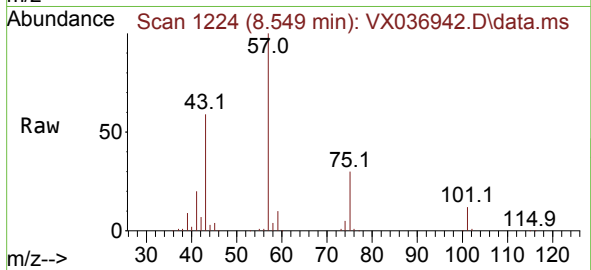




#54
 cis-1,3-Dichloropropene
 Concen: 10.545 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX036942.D
 Acq: 11 Aug 2023 15:39

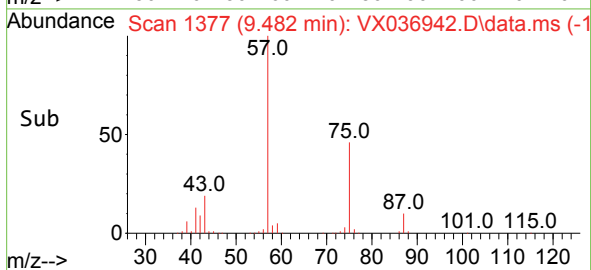
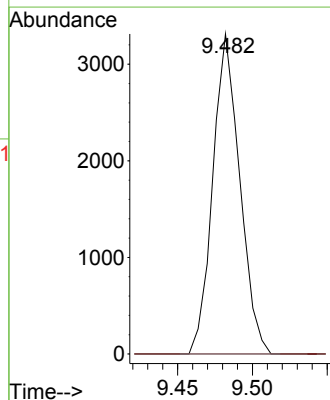
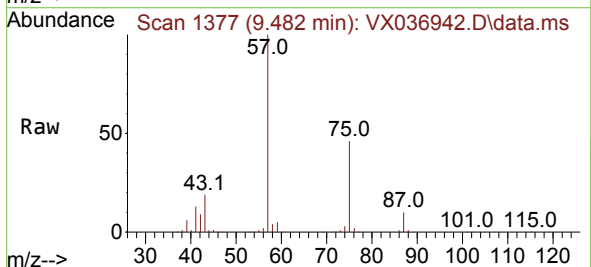
Instrument :
 MSVOA_X
 ClientSampleId :

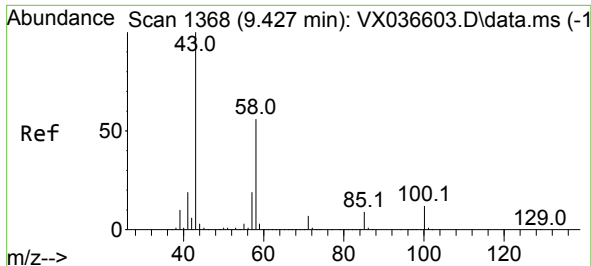
Tgt Ion: 75 Resp: 33023
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 29.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.382 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX036942.D
 Acq: 11 Aug 2023 15:39

Tgt Ion: 76 Resp: 4151
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

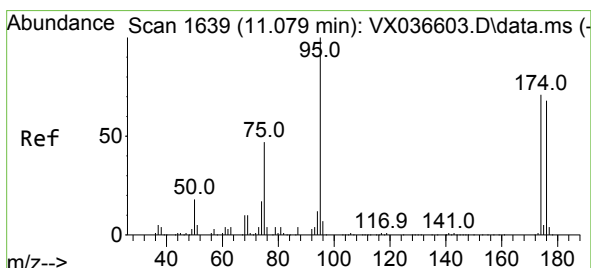
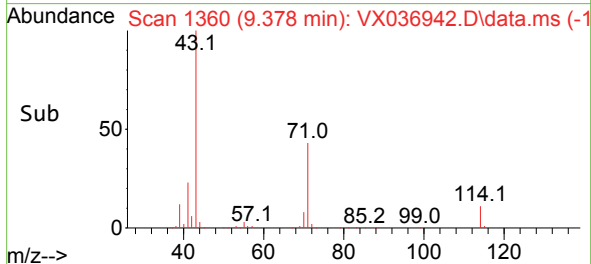
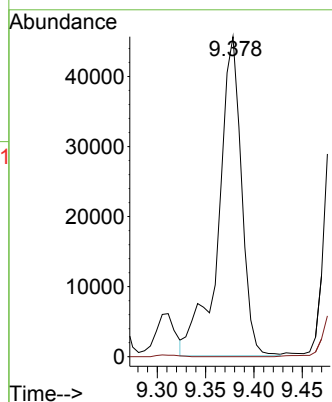
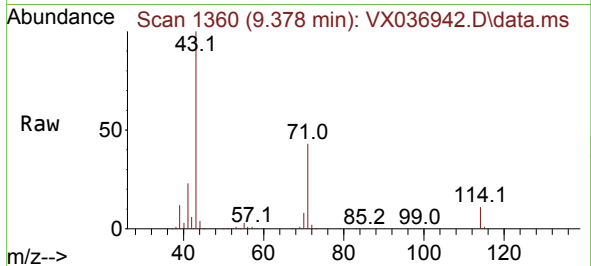




#59
2-Hexanone
Concen: 39.825 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

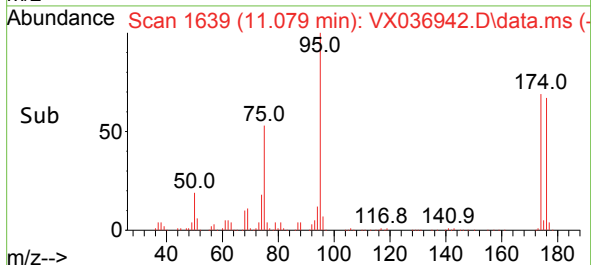
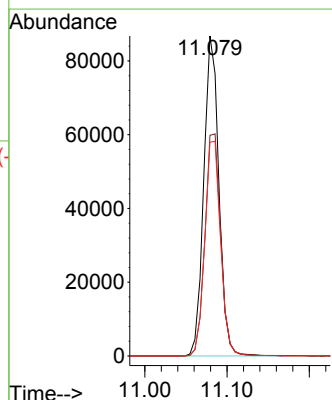
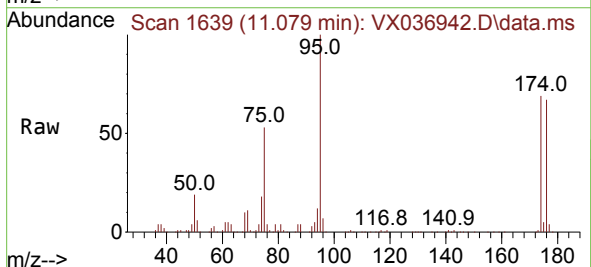
Instrument :
MSVOA_X
ClientSampleId :

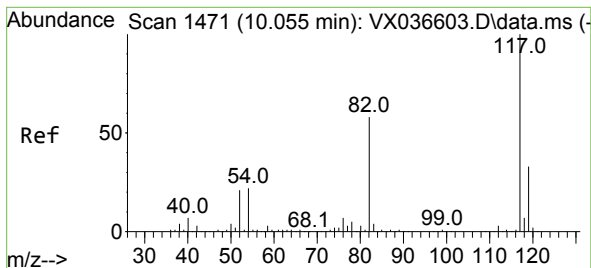
Tgt Ion: 43 Resp: 74987
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 52.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036942.D
Acq: 11 Aug 2023 15:39

Tgt Ion: 95 Resp: 110946
Ion Ratio Lower Upper
95 100
174 72.2 0.0 135.6
176 70.3 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: VX036942.D

Acq: 11 Aug 2023 15:39

Instrument :

MSVOA_X

ClientSampleId :

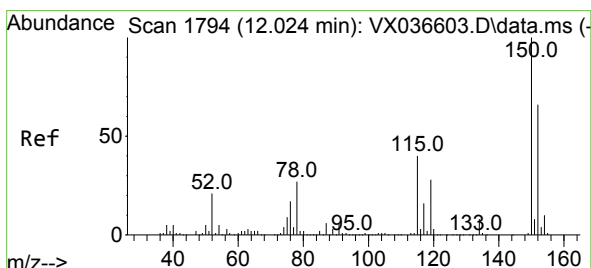
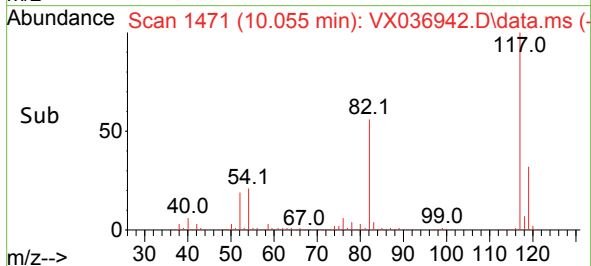
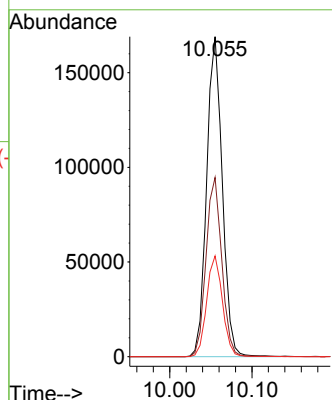
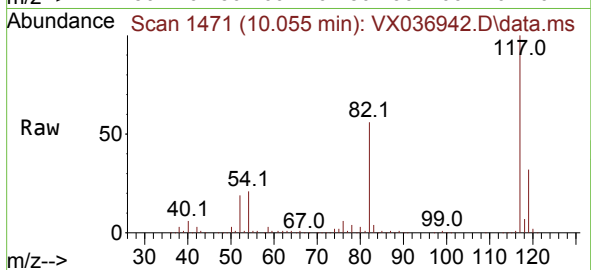
Tgt Ion:117 Resp: 223364

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.4

119 31.5 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: VX036942.D

Acq: 11 Aug 2023 15:39

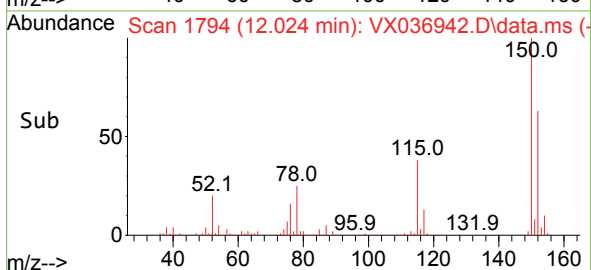
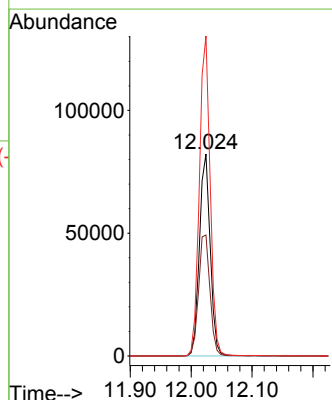
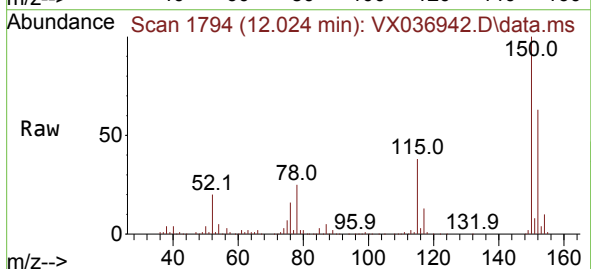
Tgt Ion:152 Resp: 101140

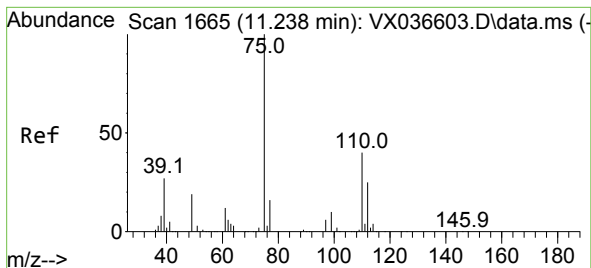
Ion Ratio Lower Upper

152 100

115 63.4 43.3 129.9

150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036942.D

Acq: 11 Aug 2023 15:39

Instrument :

MSVOA_X

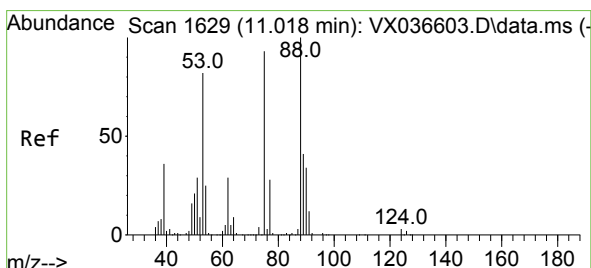
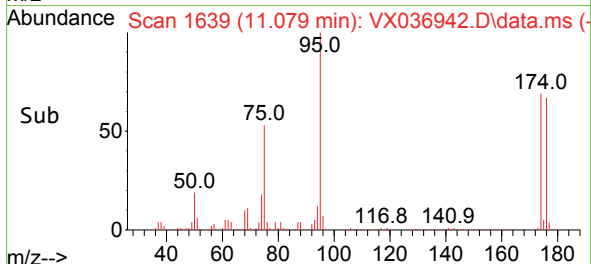
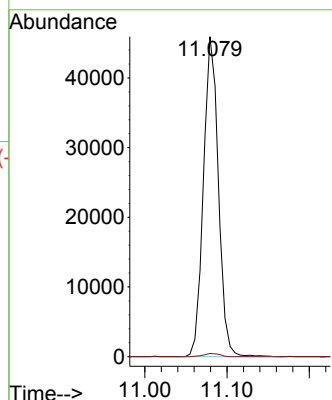
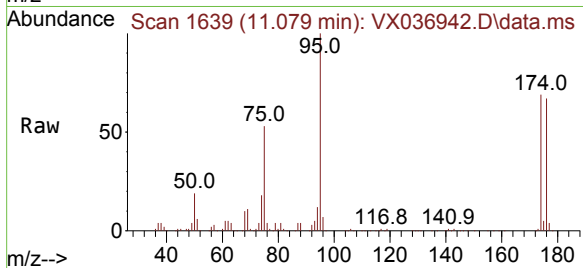
ClientSampleId :

Tgt Ion: 75 Resp: 58008

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.268 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036942.D

Acq: 11 Aug 2023 15:39

Tgt Ion: 75 Resp: 58008

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

