

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081123\
 Data File : VX036941.D
 Acq On : 11 Aug 2023 15:15
 Operator : JC/MD
 Sample : 03955-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 11 22:59:50 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)

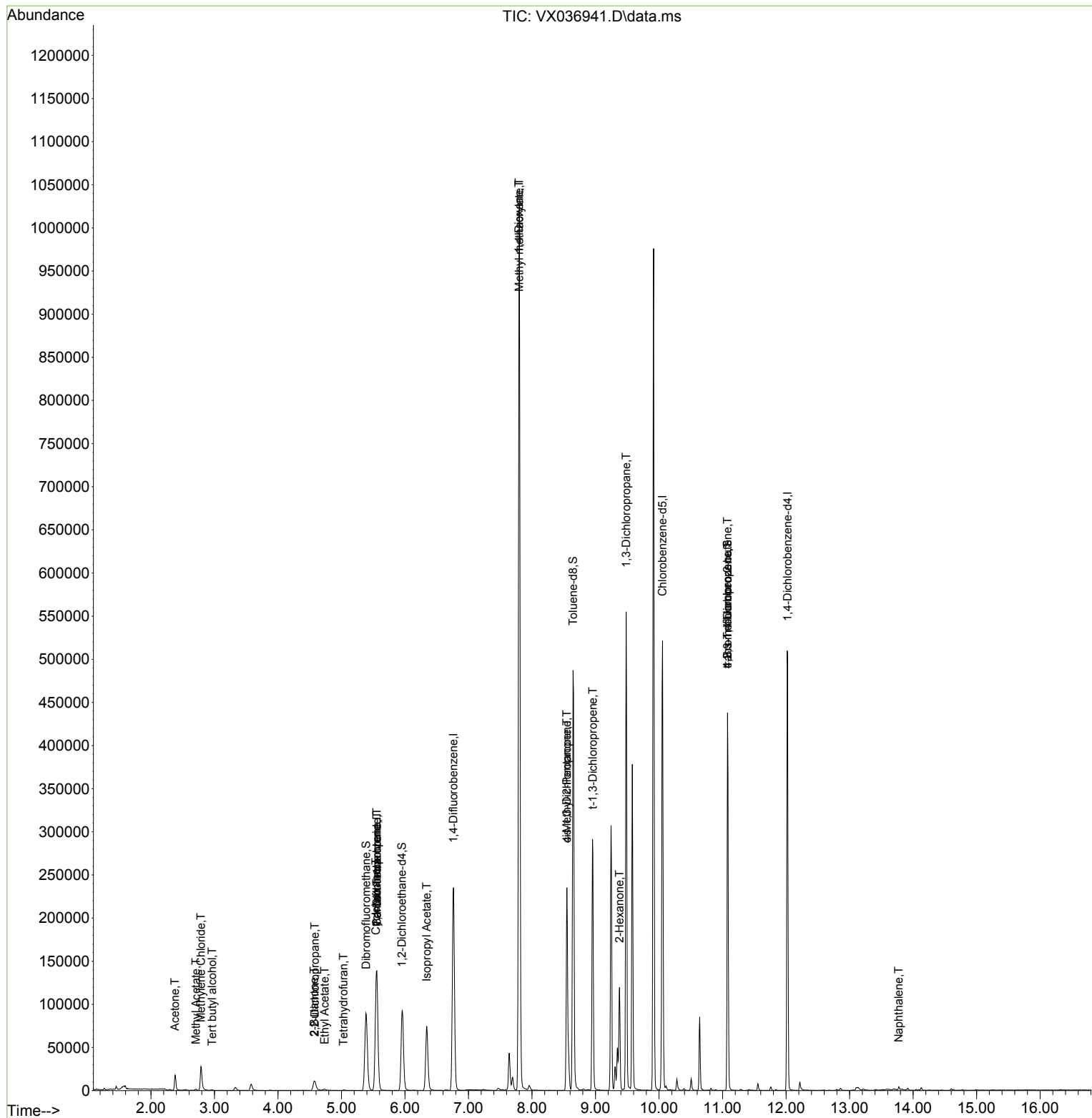
Internal Standards						
1) Pentafluorobenzene	5.556	168	130396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	233645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94064	48.753	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.500%		
35) Dibromofluoromethane	5.385	113	77352	46.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.000%		
50) Toluene-d8	8.647	98	293325	49.725	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.460%		
62) 4-Bromofluorobenzene	11.079	95	115066	51.702	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.400%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	706	1.546	ug/l #	78
16) Acetone	2.380	43	18263	22.811	ug/l	94
18) Methyl Acetate	2.709	43	1812	0.538	ug/l	96
20) Methylene Chloride	2.788	84	14562	8.178	ug/l	89
25) 2-Butanone	4.568	43	6332	4.875	ug/l	94
26) 2,2-Dichloropropane	4.580	77	692	0.240	ug/l #	54
29) Tetrahydrofuran	5.032	42	353	0.422	ug/l #	82
31) Cyclohexane	5.544	56	2886	1.080	ug/l #	2
36) 1,1-Dichloropropene	5.556	75	10889	4.392	ug/l #	50
37) Ethyl Acetate	4.733	43	3084	1.099	ug/l #	89
38) Carbon Tetrachloride	5.556	117	13723	5.206	ug/l #	14
43) Isopropyl Acetate	6.342	43	100171	20.737	ug/l #	94
48) Methyl methacrylate	7.799	41	87738	39.056	ug/l #	48
49) 1,4-Dioxane	7.793	88	152	3.349	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	92882	34.745	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	677	0.216	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39290	11.907	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	5090	1.608	ug/l #	42
59) 2-Hexanone	9.378	43	87125	43.915	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	59913	23.949	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59913	54.283	ug/l #	5
95) Naphthalene	13.774	128	2989	0.389	ug/l #	92

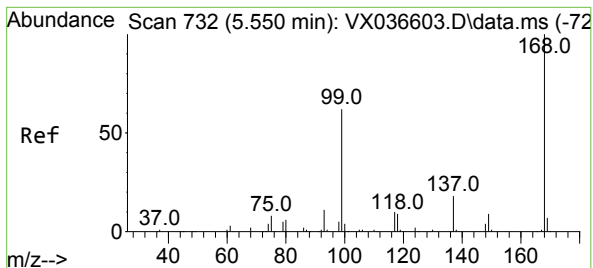
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 11 22:59:50 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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

Instrument :

MSVOA_X

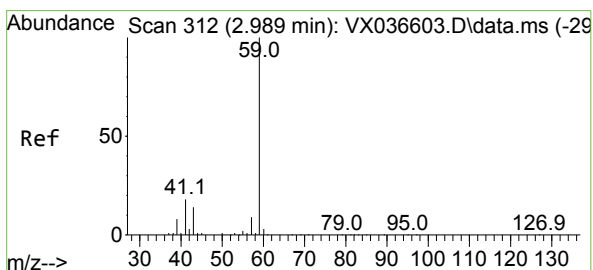
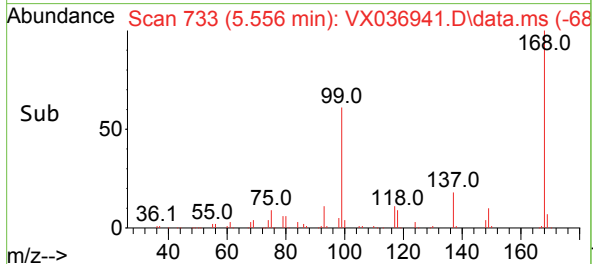
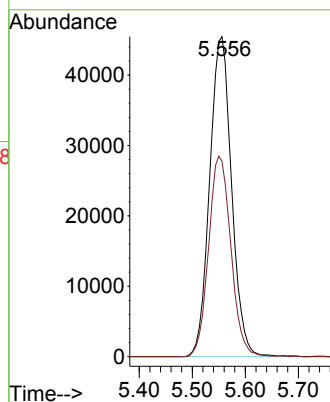
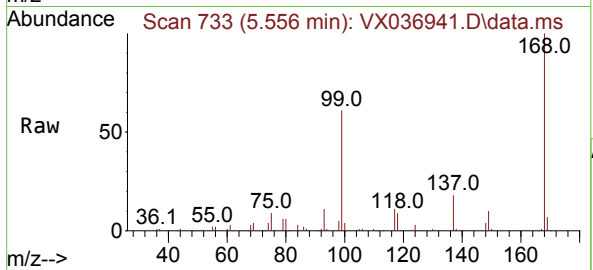
ClientSampleId :

Tgt Ion:168 Resp: 130396

Ion Ratio Lower Upper

168 100

99 61.1 56.6 85.0



#11

Tert butyl alcohol

Concen: 1.546 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.024 min

Lab File: VX036941.D

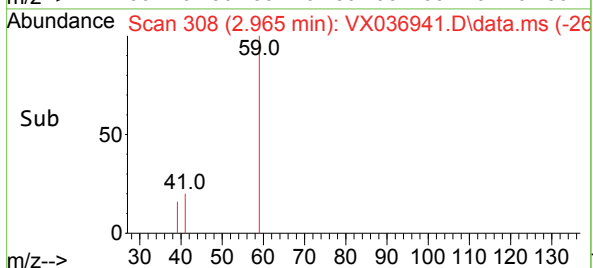
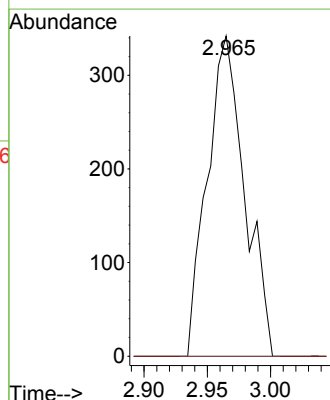
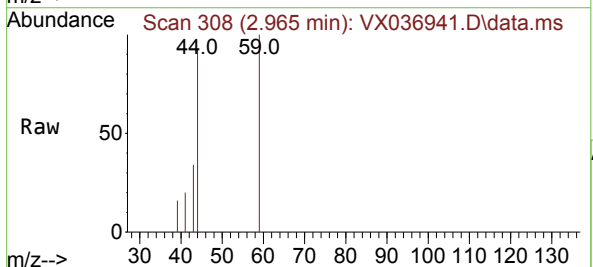
Acq: 11 Aug 2023 15:15

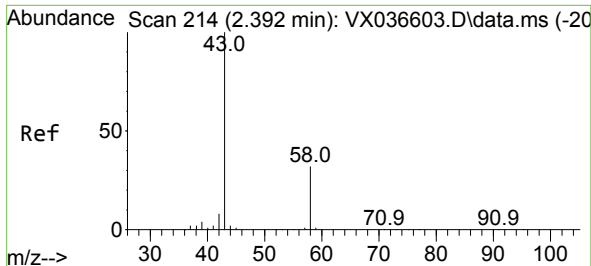
Tgt Ion: 59 Resp: 706

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

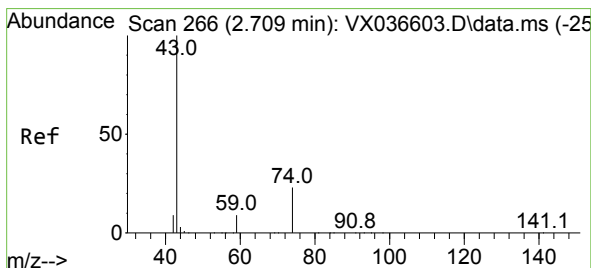
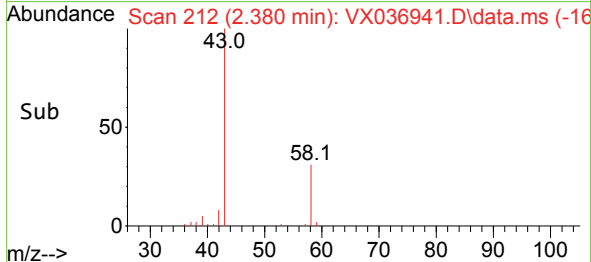
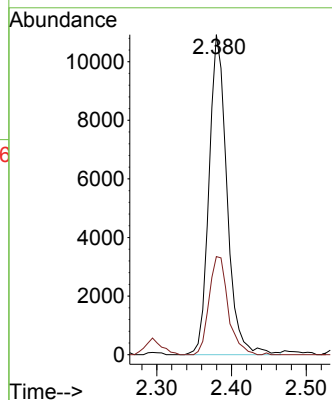
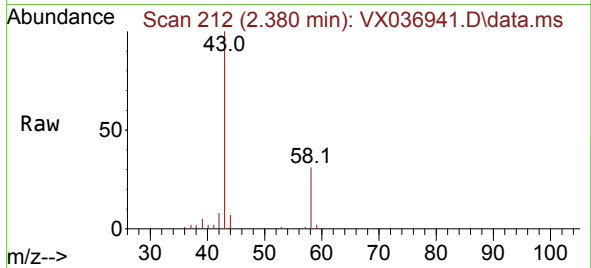




#16
Acetone
Concen: 22.811 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

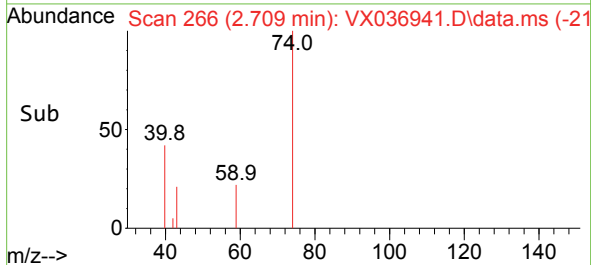
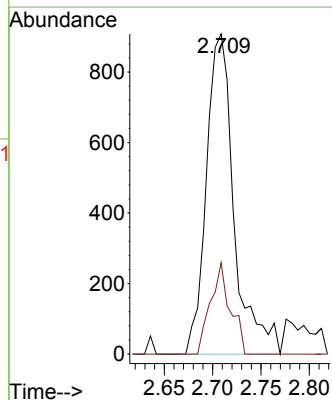
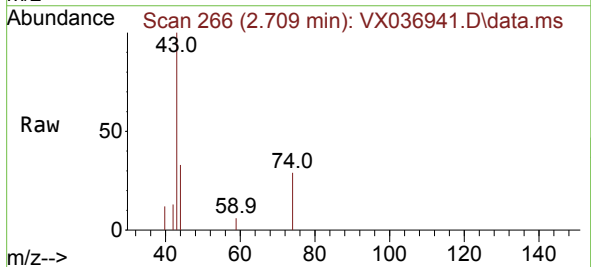
Instrument :
MSVOA_X
ClientSampleId :

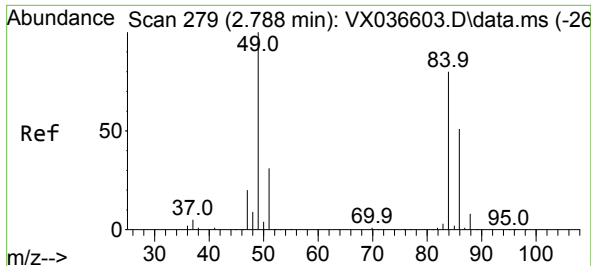
Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.7	21.9	32.9



#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

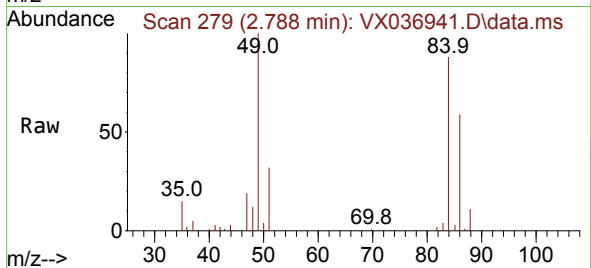
Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	17.8	26.8



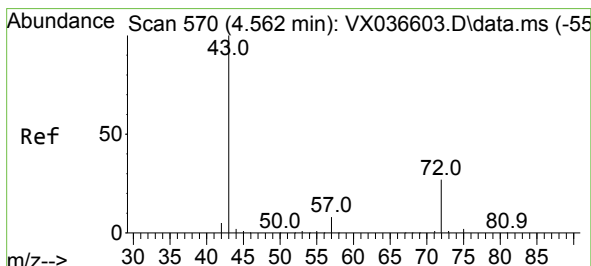
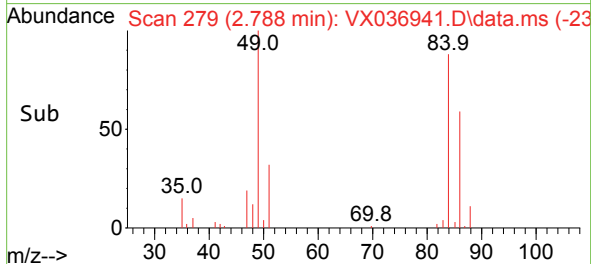
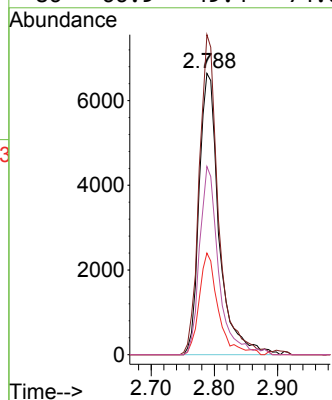


#20
Methylene Chloride
Concen: 8.178 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :

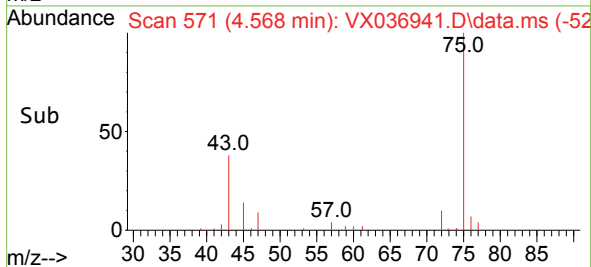
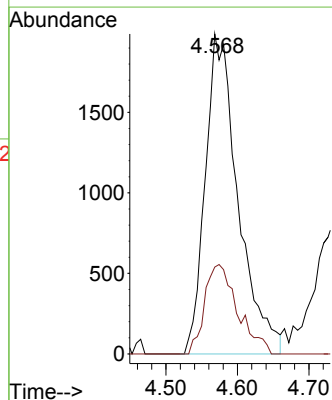
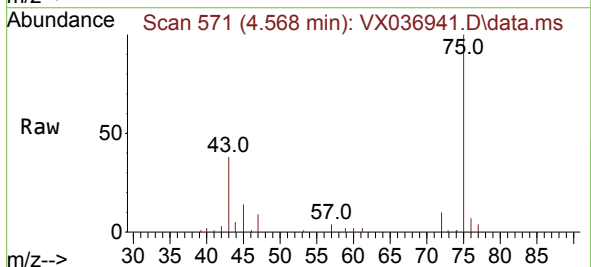


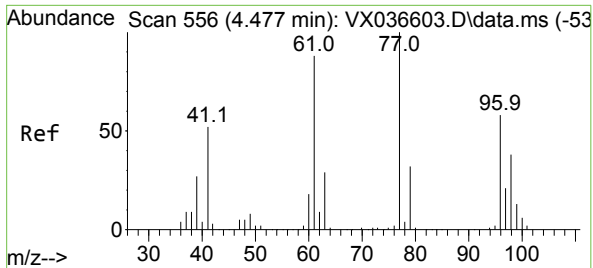
Tgt Ion:	84	Resp:	14562
Ion	Ratio	Lower	Upper
84	100		
49	113.8	103.6	155.4
51	36.1	33.8	50.6
86	66.9	49.4	74.0



#25
2-Butanone
Concen: 4.875 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Tgt Ion:	43	Resp:	6332
Ion	Ratio	Lower	Upper
43	100		
72	27.1	19.4	29.2





#26

2,2-Dichloropropane

Concen: 0.240 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.104 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

Instrument :

MSVOA_X

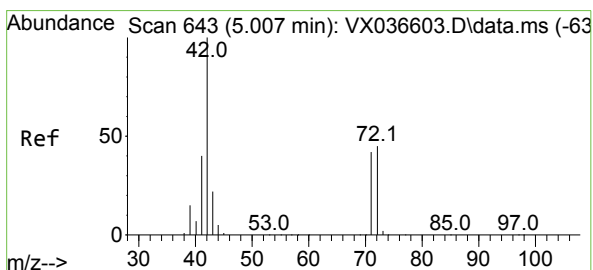
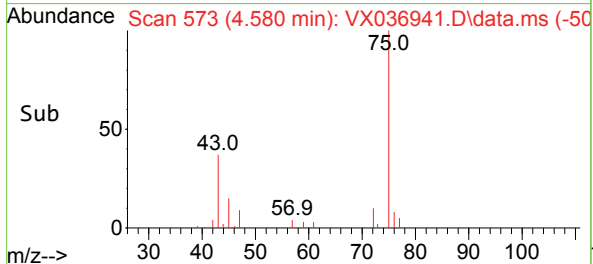
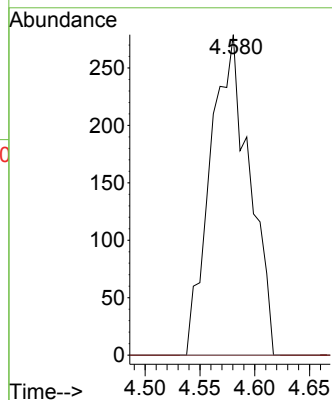
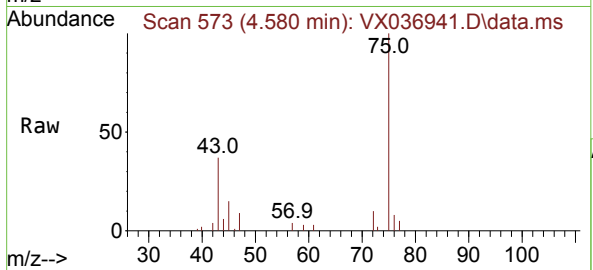
ClientSampleId :

Tgt Ion: 77 Resp: 692

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.422 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

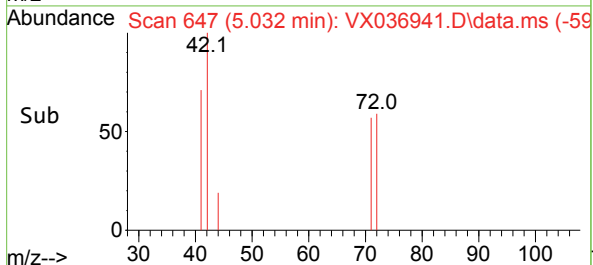
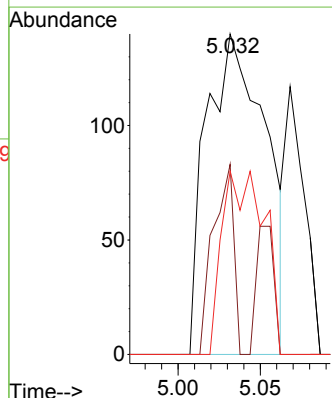
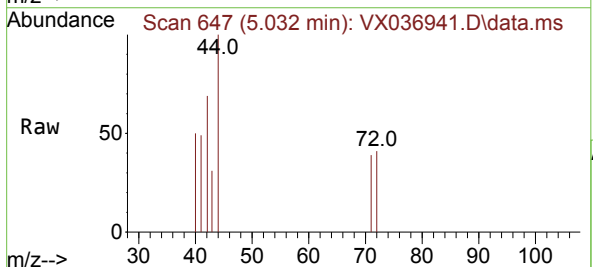
Tgt Ion: 42 Resp: 353

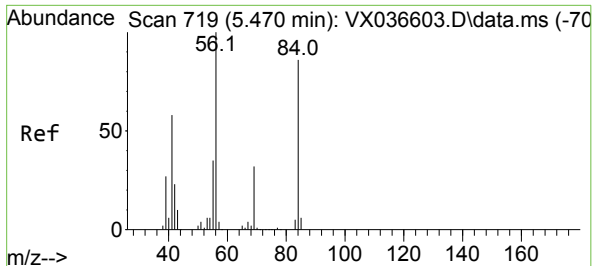
Ion Ratio Lower Upper

42 100

72 20.4 34.2 51.4#

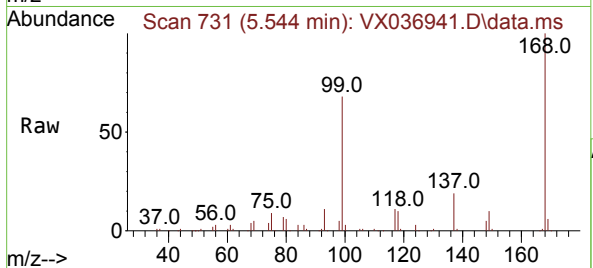
71 40.5 32.2 48.2



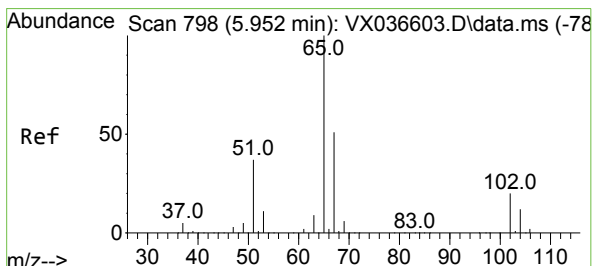
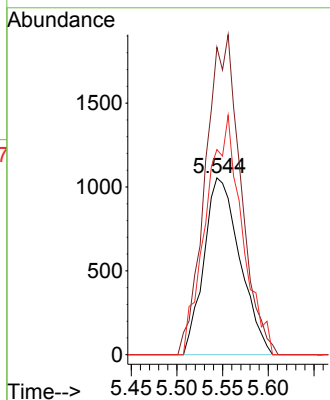
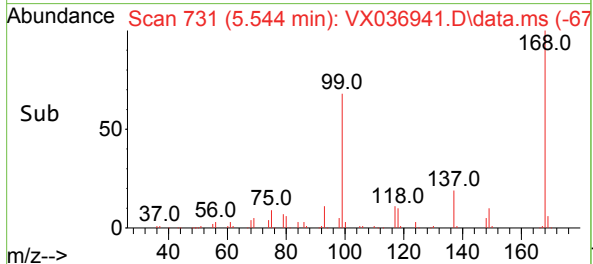


#31
Cyclohexane
Concen: 1.080 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :

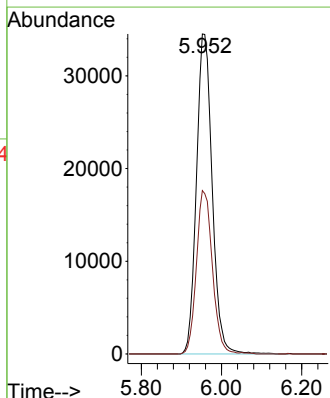
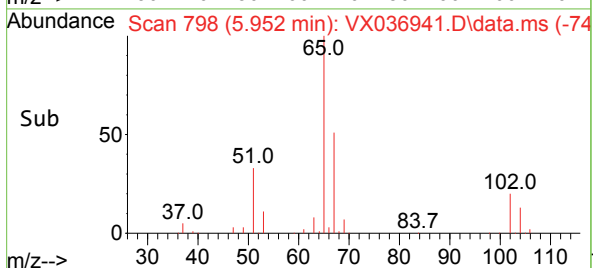
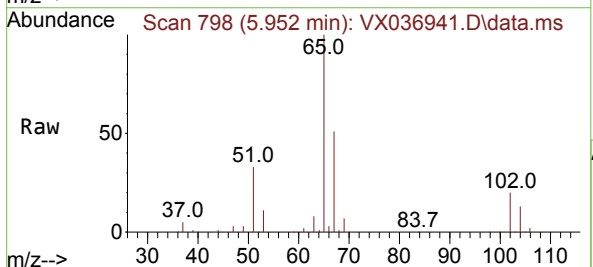


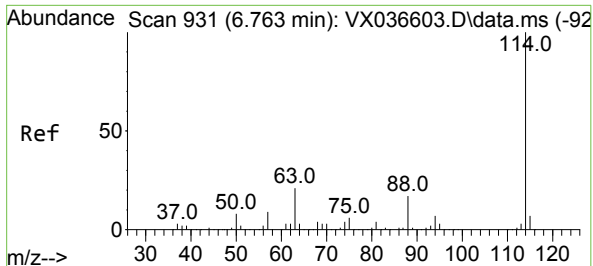
Tgt Ion: 56 Resp: 2886
Ion Ratio Lower Upper
56 100
69 173.9 23.4 35.2#
84 116.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.753 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Tgt Ion: 65 Resp: 94064
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

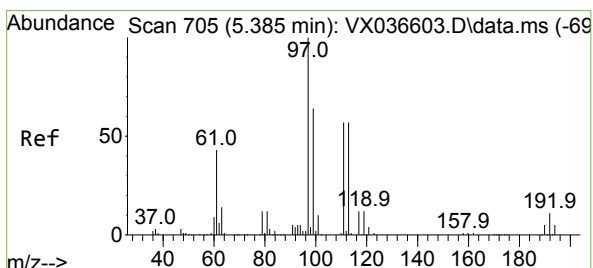
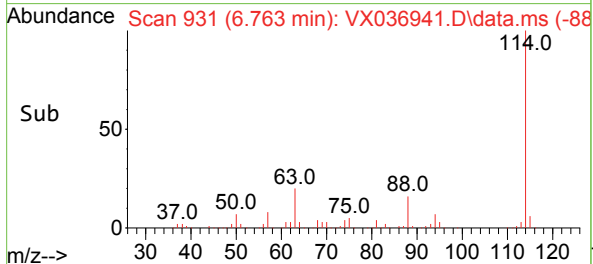
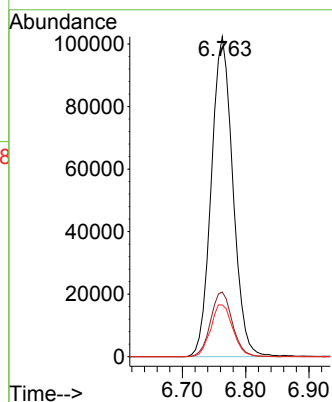
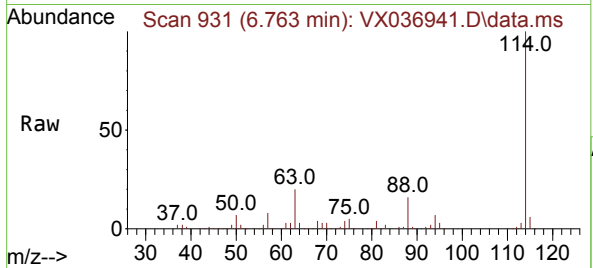




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

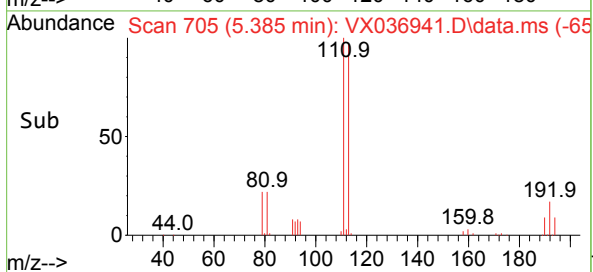
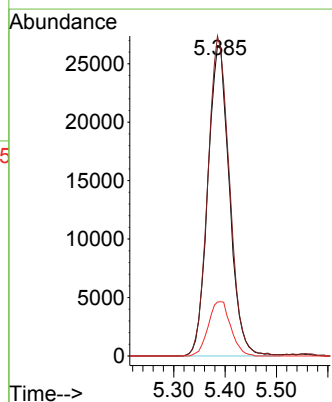
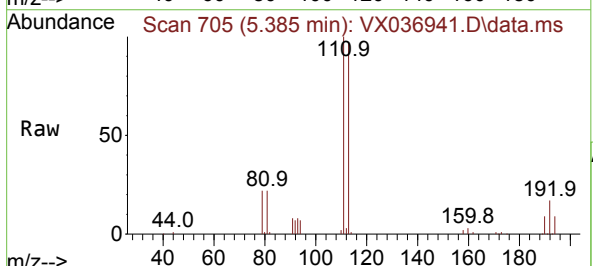
Instrument :
MSVOA_X
ClientSampleId :

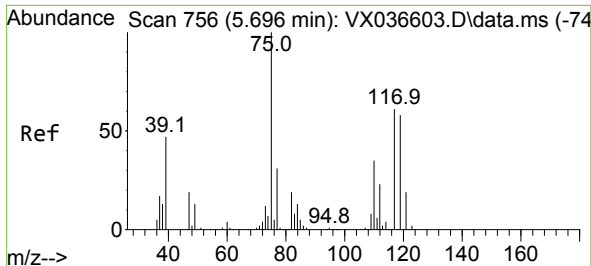
Tgt Ion:114 Resp: 242010
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.501 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

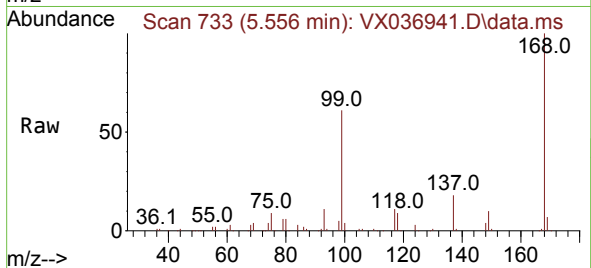
Tgt Ion:113 Resp: 77352
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.2 13.3 19.9



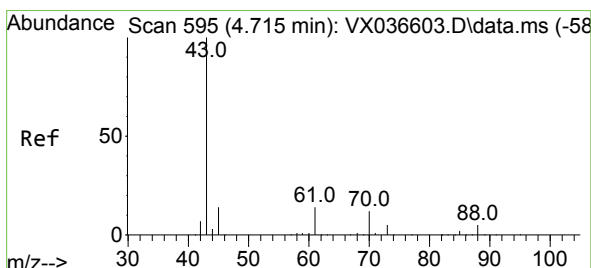
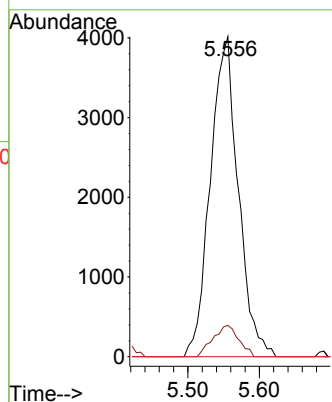
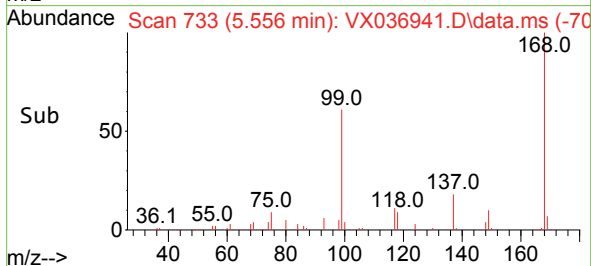


#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :

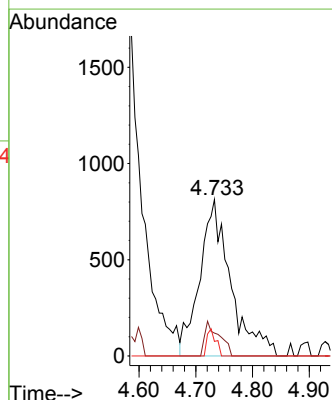
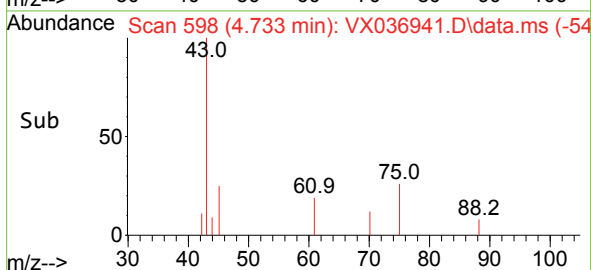
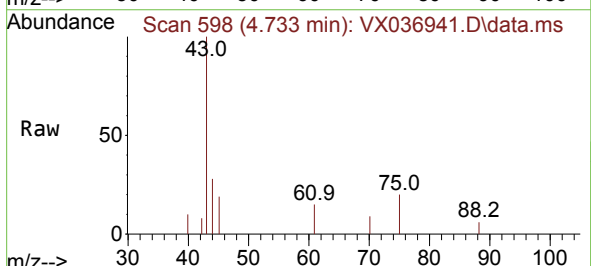


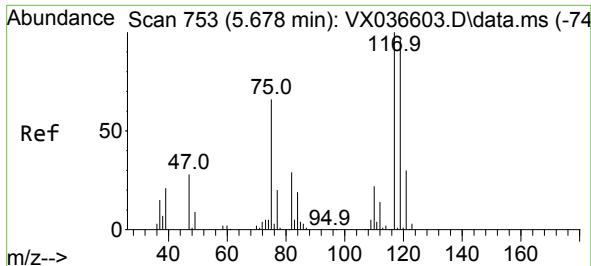
Tgt Ion: 75 Resp: 10889
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.099 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

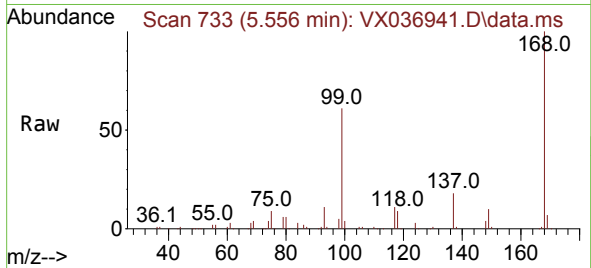
Tgt Ion: 43 Resp: 3084
Ion Ratio Lower Upper
43 100
61 10.4 10.6 16.0#
70 4.9 8.3 12.5#



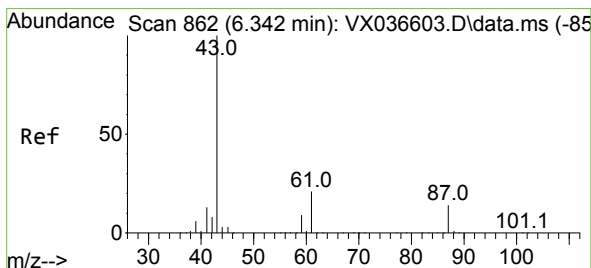
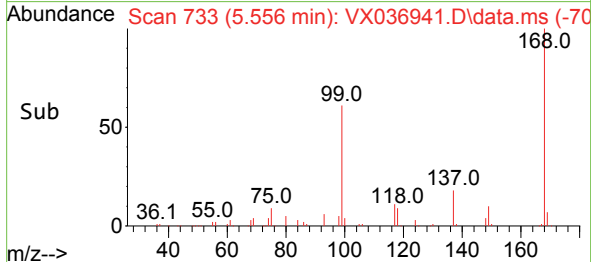
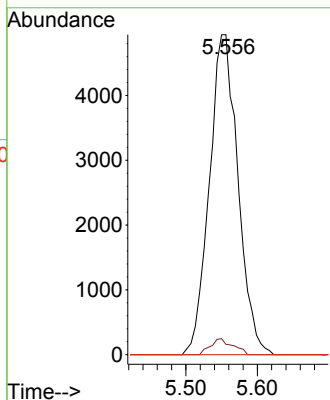


#38
Carbon Tetrachloride
Concen: 5.206 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.122 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :

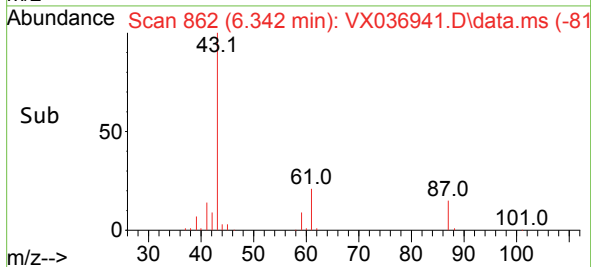
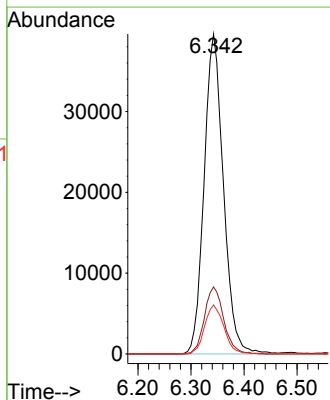
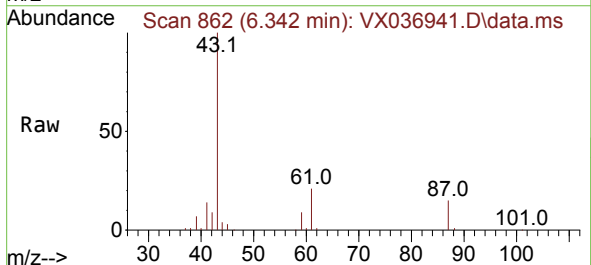


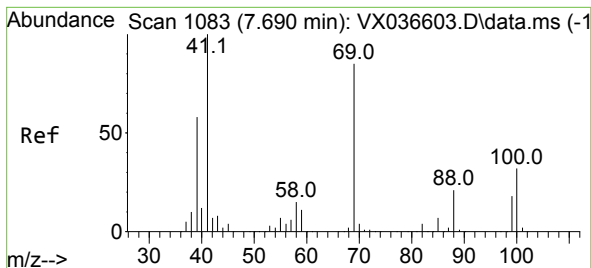
Tgt Ion:117 Resp: 13723
Ion Ratio Lower Upper
117 100
119 3.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 20.737 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Tgt Ion: 43 Resp: 100171
Ion Ratio Lower Upper
43 100
61 21.0 15.2 22.8
87 15.2 9.8 14.6#





#48

Methyl methacrylate

Concen: 39.056 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

Instrument :

MSVOA_X

ClientSampleId :

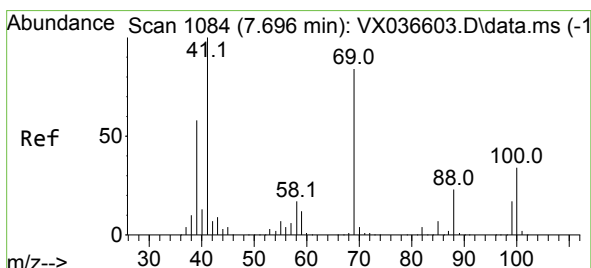
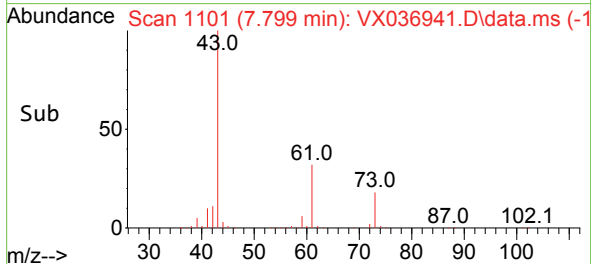
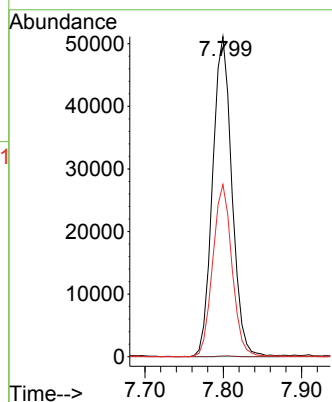
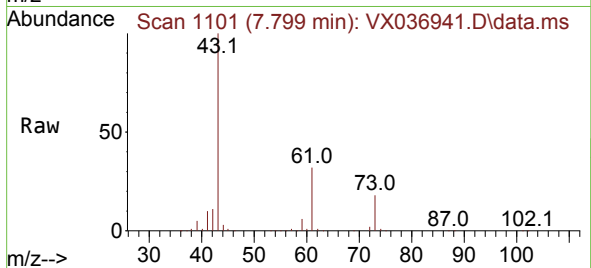
Tgt Ion: 41 Resp: 87738

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 53.6 47.7 71.5



#49

1,4-Dioxane

Concen: 3.349 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.098 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

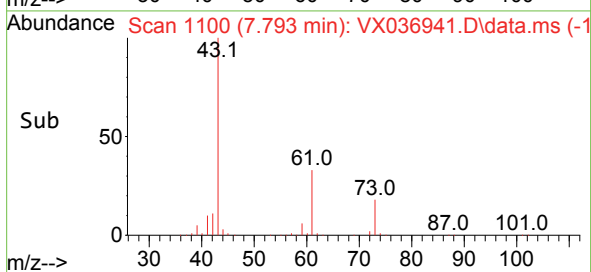
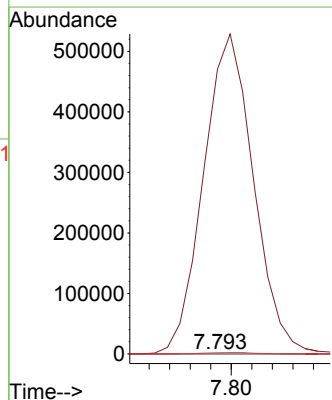
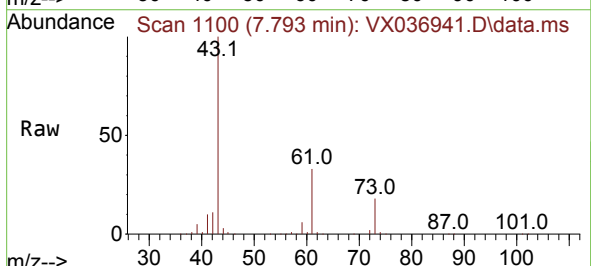
Tgt Ion: 88 Resp: 152

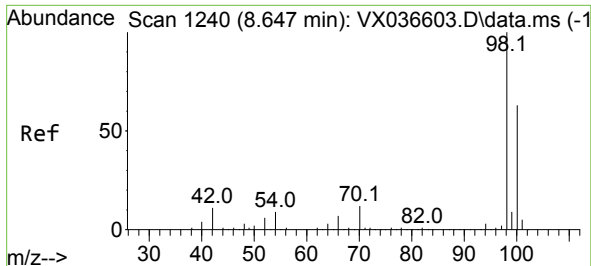
Ion Ratio Lower Upper

88 100

43 592569.7 0.0 0.0#

58 2581.6 60.1 90.1#

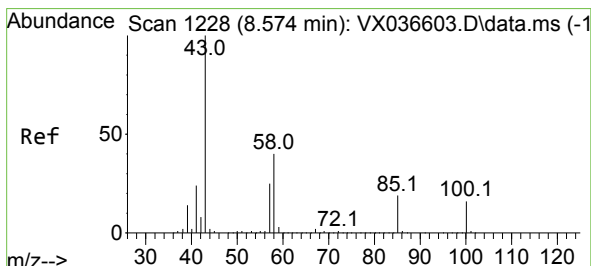
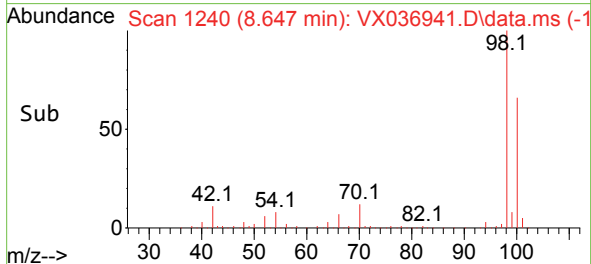
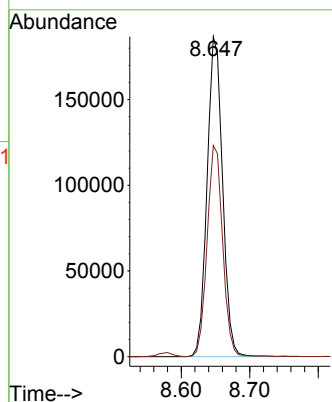
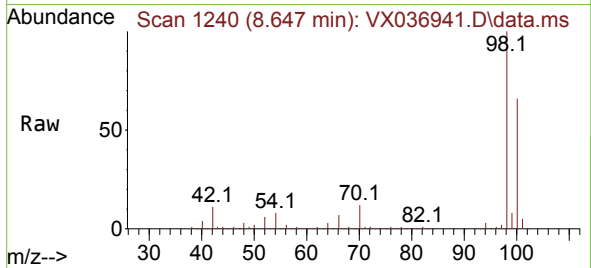




#50
Toluene-d8
Concen: 49.725 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

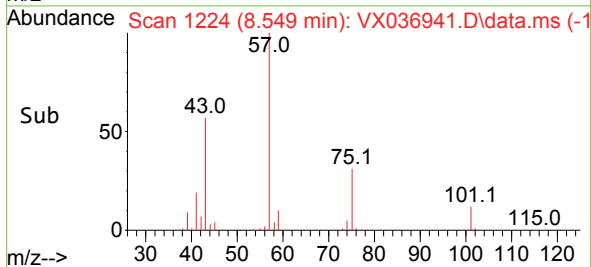
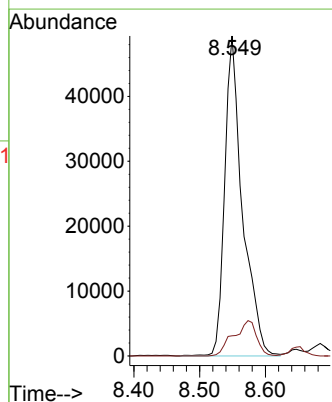
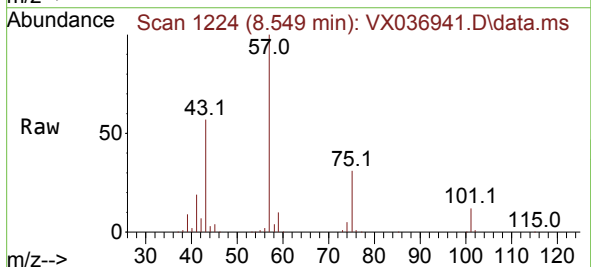
Instrument :
MSVOA_X
ClientSampleId :

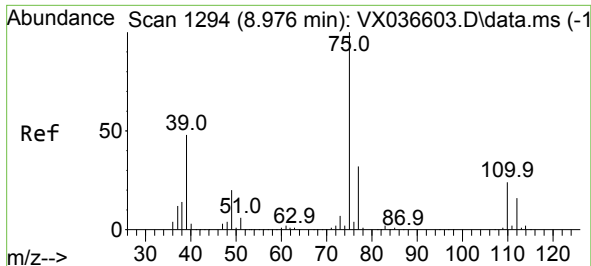
Tgt Ion: 98 Resp: 293325
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 34.745 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Tgt Ion: 43 Resp: 92882
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

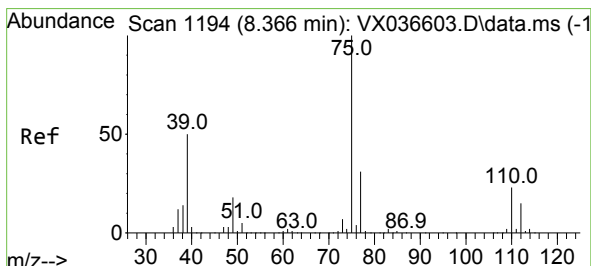
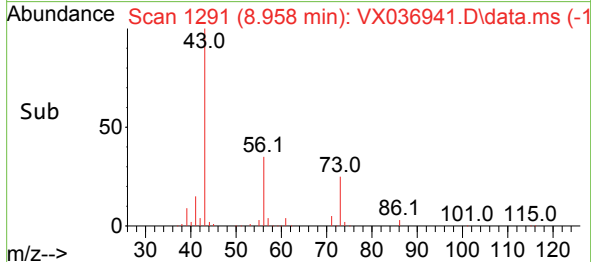
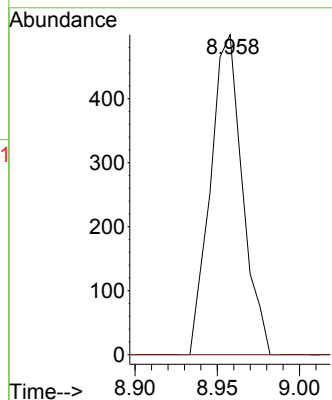
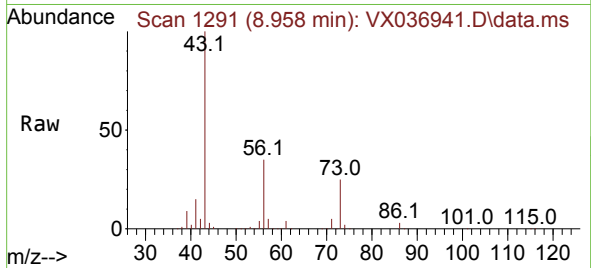




#53
 t-1,3-Dichloropropene
 Concen: 0.216 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX036941.D
 Acq: 11 Aug 2023 15:15

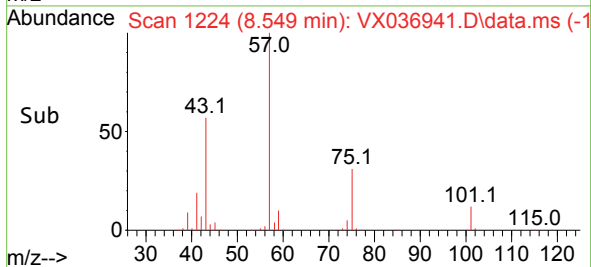
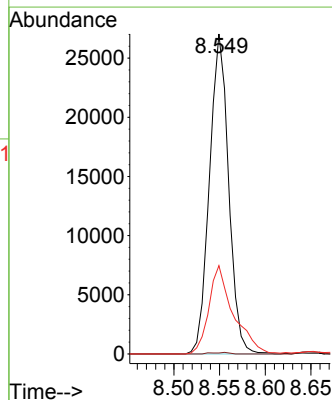
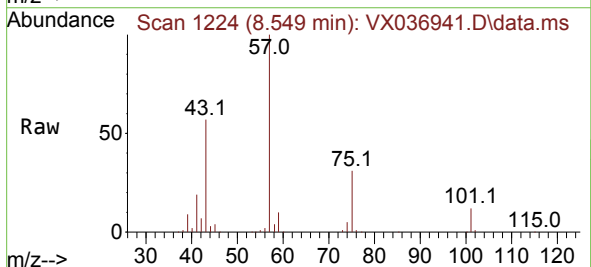
Instrument :
 MSVOA_X
 ClientSampleId :

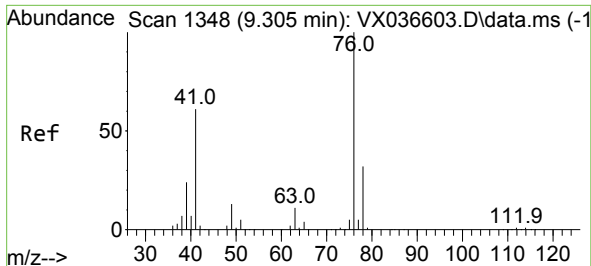
Tgt Ion: 75 Resp: 677
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.907 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036941.D
 Acq: 11 Aug 2023 15:15

Tgt Ion: 75 Resp: 39290
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.3 37.9#
 39 27.6 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.608 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036941.D

Acq: 11 Aug 2023 15:15

Instrument :

MSVOA_X

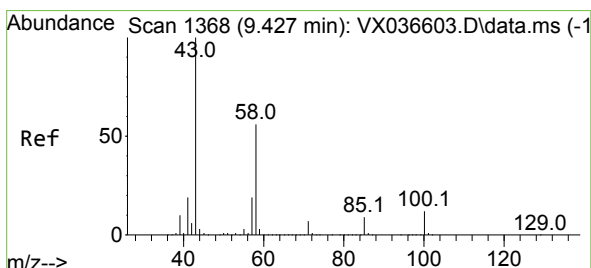
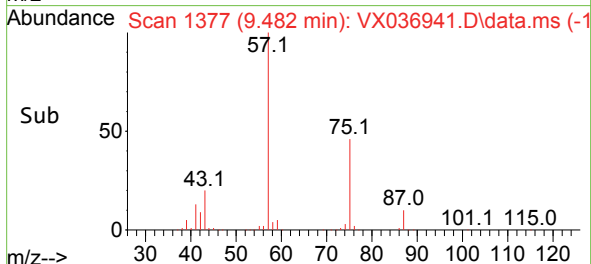
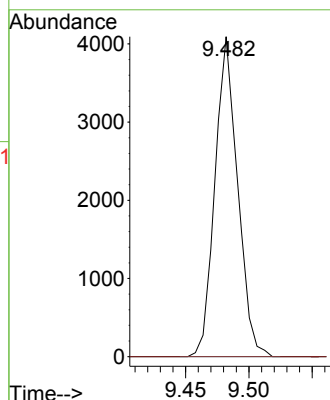
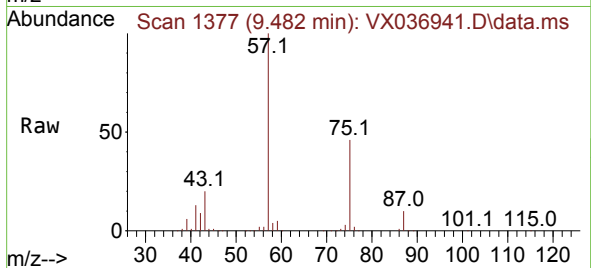
ClientSampleId :

Tgt Ion: 76 Resp: 5090

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.915 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036941.D

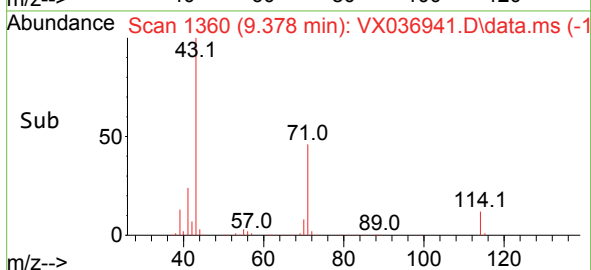
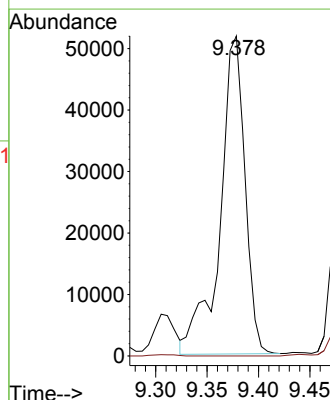
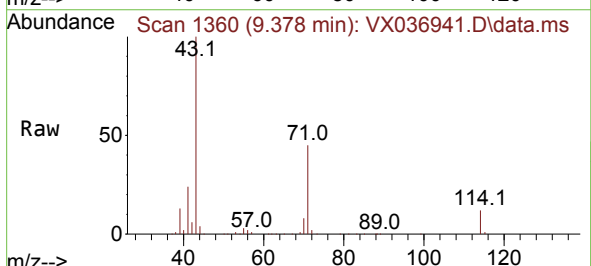
Acq: 11 Aug 2023 15:15

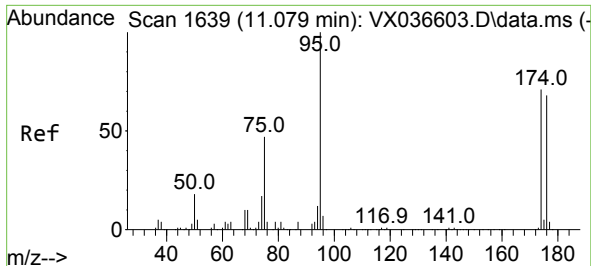
Tgt Ion: 43 Resp: 87125

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

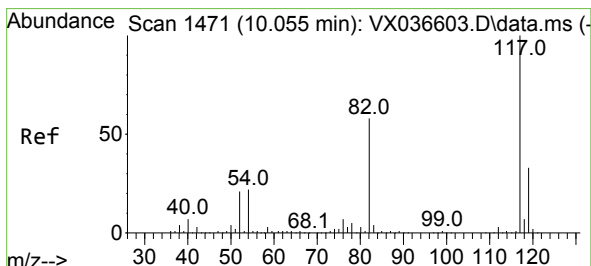
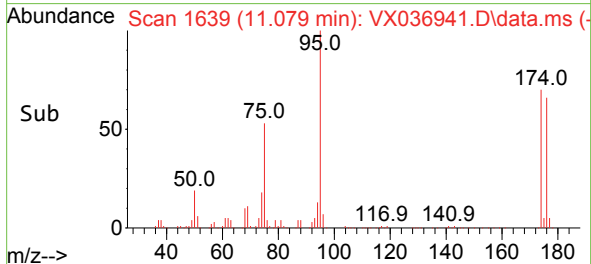
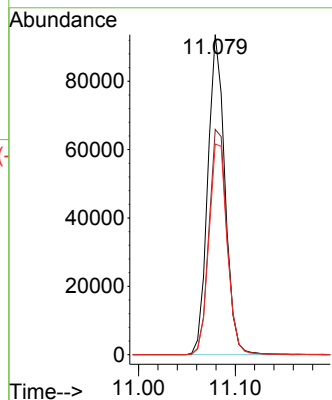
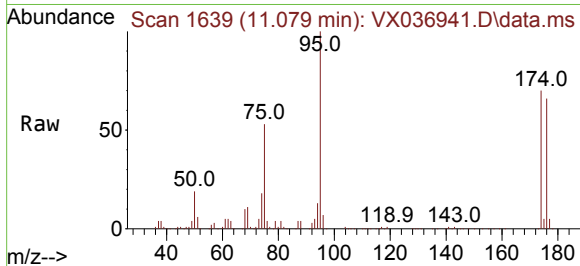




#62
4-Bromofluorobenzene
Concen: 51.702 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

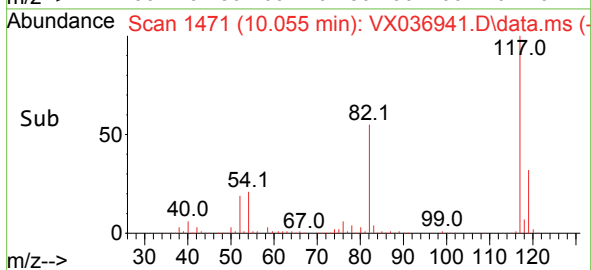
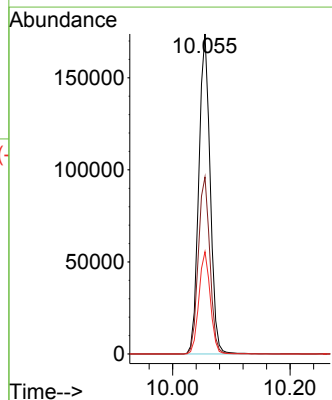
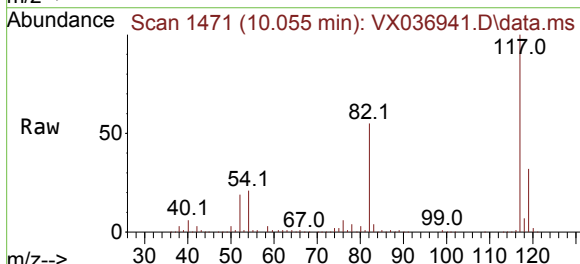
Instrument :
MSVOA_X
ClientSampleId :

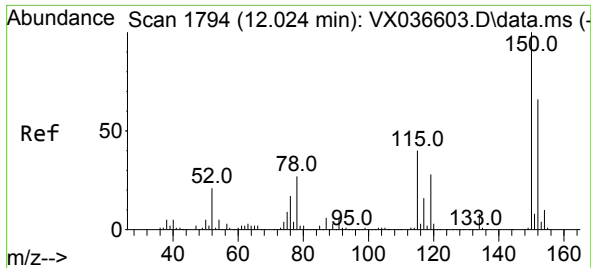
Tgt Ion: 95 Resp: 115066
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 70.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

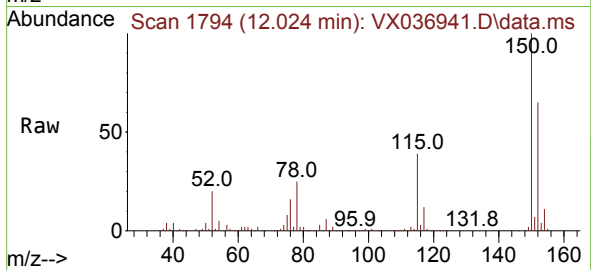
Tgt Ion: 117 Resp: 233645
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.0 25.5 38.3



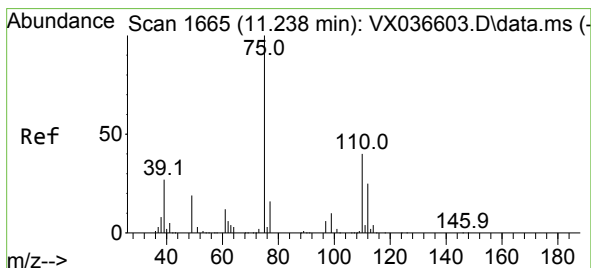
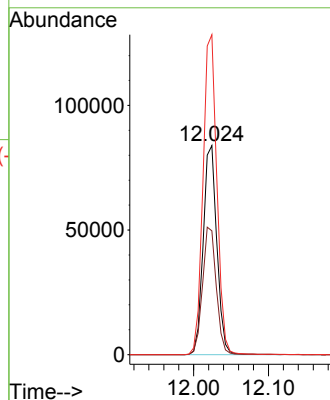
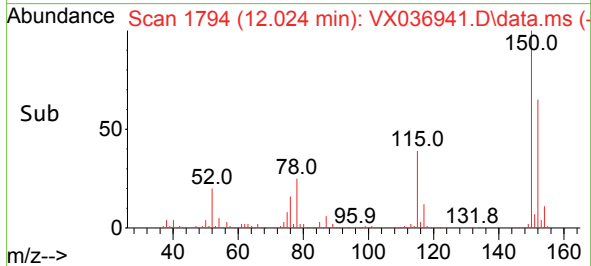


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX036941.D
 Acq: 11 Aug 2023 15:15

Instrument :
 MSVOA_X
 ClientSampleId :

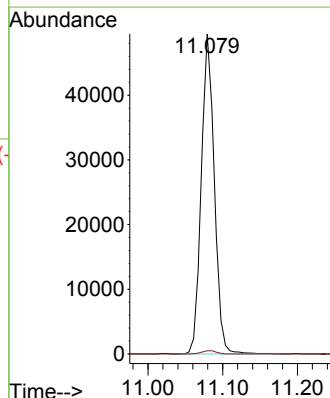
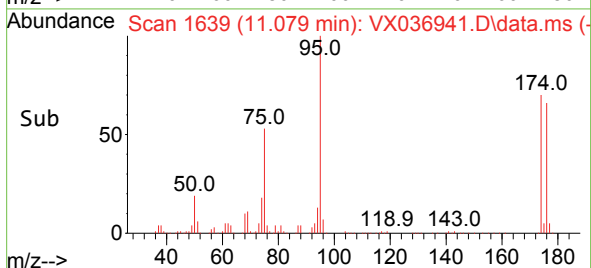
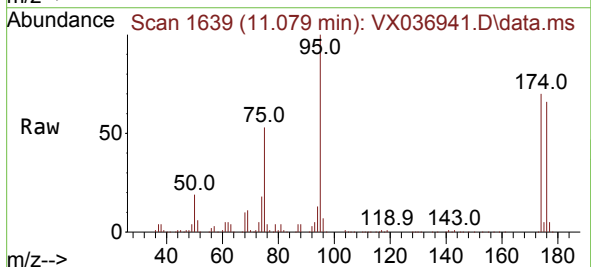


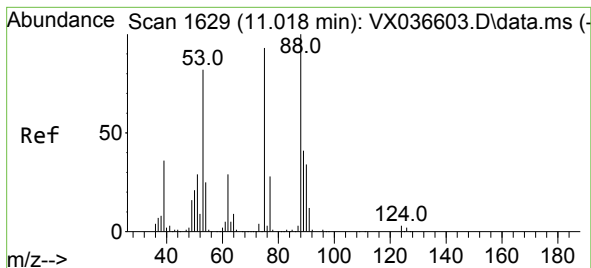
Tgt Ion:152 Resp: 106358
 Ion Ratio Lower Upper
 152 100
 115 61.5 43.3 129.9
 150 155.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 23.949 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036941.D
 Acq: 11 Aug 2023 15:15

Tgt Ion: 75 Resp: 59913
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

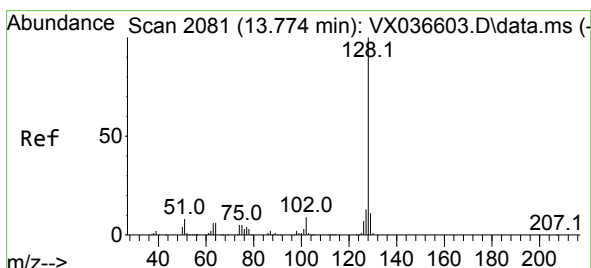
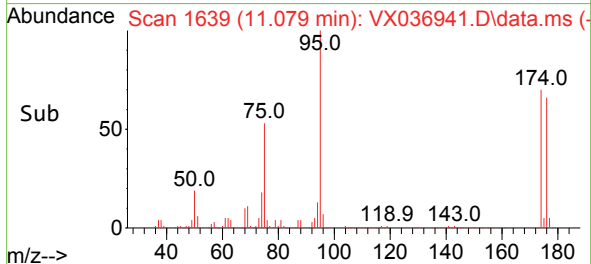
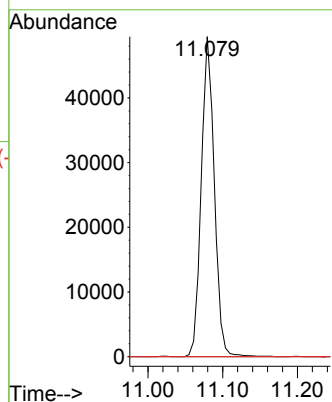
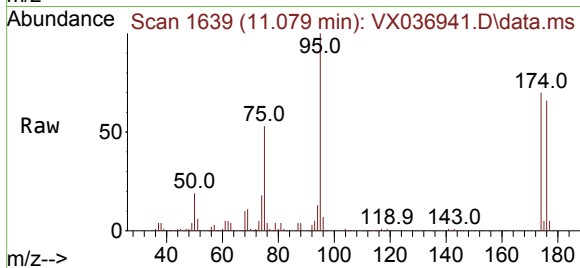




#81
trans-1,4-Dichloro-2-butene
Concen: 54.283 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 59913
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.389 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX036941.D
Acq: 11 Aug 2023 15:15

Tgt Ion: 128 Resp: 2989
Ion Ratio Lower Upper
128 100
127 9.3 10.3 15.5#
129 8.4 8.8 13.2#

