

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037696.D
 Acq On : 13 Sep 2023 15:42
 Operator : JC/MD
 Sample : 04327-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 02:21:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

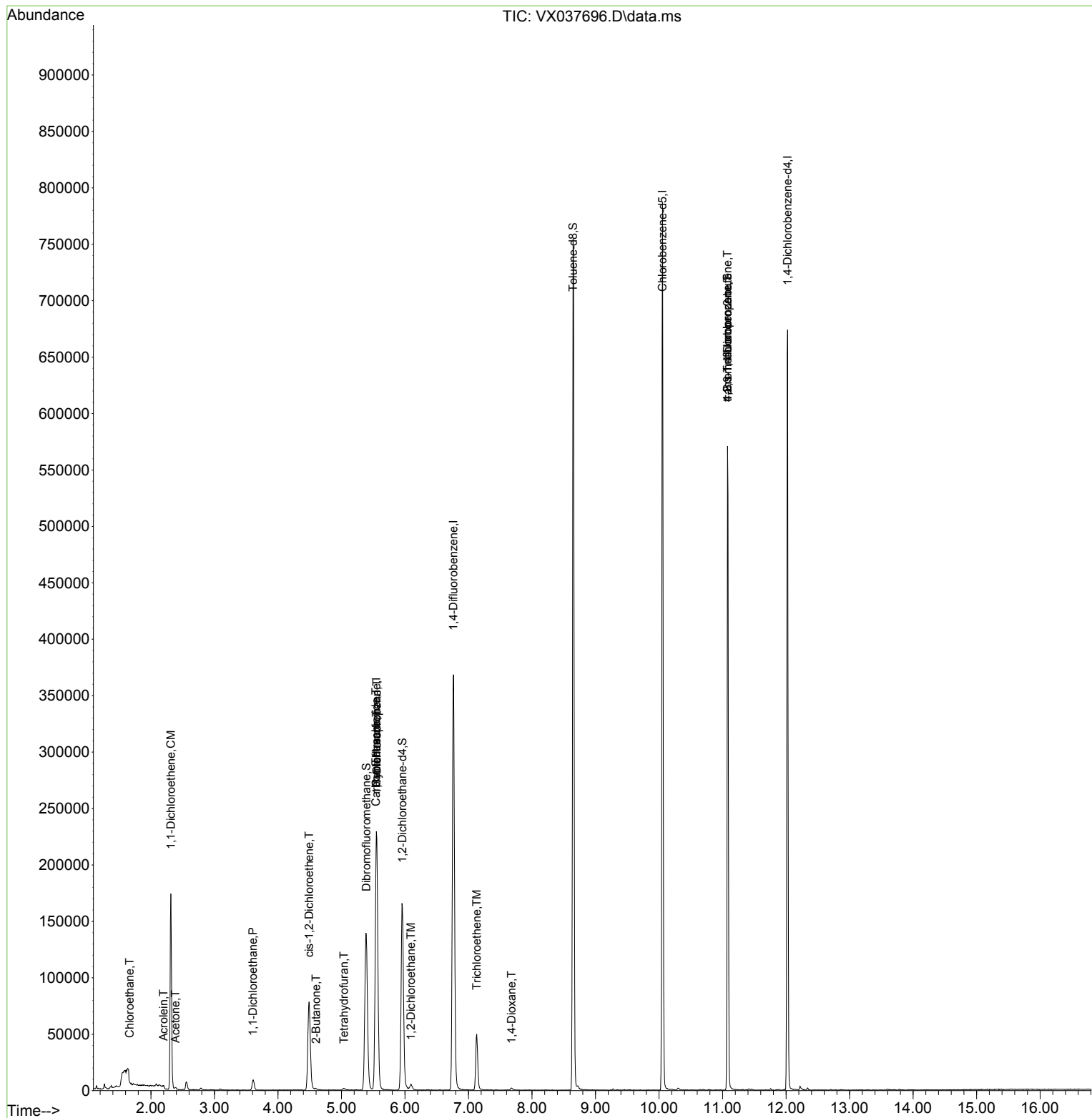
Internal Standards						
1) Pentafluorobenzene	5.550	168	217141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	378722	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	138225	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157863	44.934	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.860%
35) Dibromofluoromethane	5.391	113	123524	46.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.040%
50) Toluene-d8	8.647	98	463665	45.798	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.600%#
62) 4-Bromofluorobenzene	11.079	95	151200	41.396	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.800%#
Target Compounds						
					Qvalue	
6) Chloroethane	1.666	64	459	0.219	ug/l	96
11) Tert butyl alcohol	2.947	59	73	Below Cal	#	78
12) 1,1-Dichloroethene	2.313	96	56026	25.079	ug/l	86
13) Acrolein	2.197	56	276	0.481	ug/l #	59
16) Acetone	2.386	43	2097	1.476	ug/l #	88
20) Methylene Chloride	2.788	84	858	Below Cal		94
24) 1,1-Dichloroethane	3.605	63	10445	2.102	ug/l	98
25) 2-Butanone	4.599	43	1625	0.702	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	50637	16.156	ug/l	83
29) Tetrahydrofuran	5.038	42	1209	0.820	ug/l	90
31) Cyclohexane	5.550	56	5053	1.249	ug/l #	5
36) 1,1-Dichloropropene	5.556	75	17721	4.853	ug/l #	51
38) Carbon Tetrachloride	5.544	117	22034	5.906	ug/l #	14
42) 1,2-Dichloroethane	6.092	62	5745	1.328	ug/l	91
44) Trichloroethene	7.129	130	19430	7.025	ug/l	98
49) 1,4-Dioxane	7.677	88	1500	18.788	ug/l #	96
76) 1,2,3-Trichloropropane	11.079	75	79657	26.213	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	79657	79.680	ug/l #	5

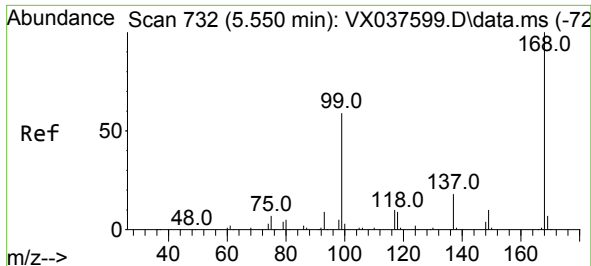
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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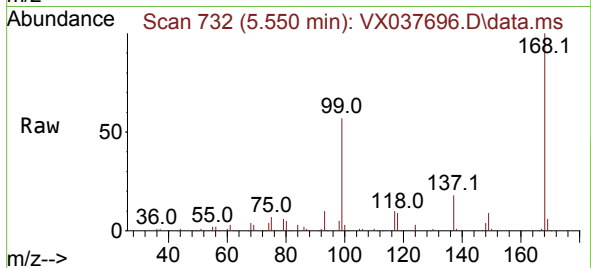
Quant Time: Sep 14 02:21:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



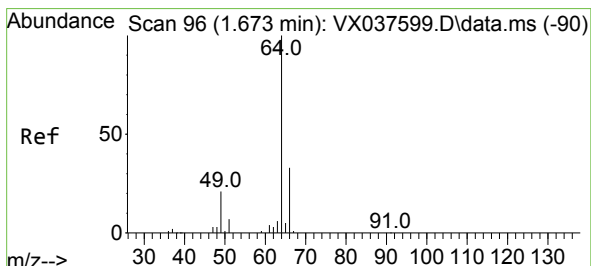
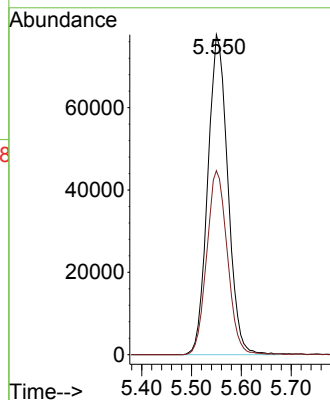
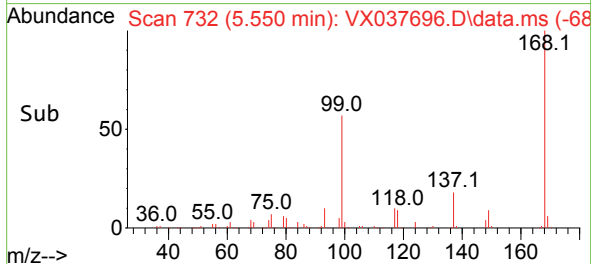


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :

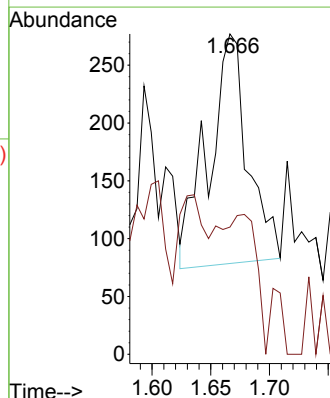
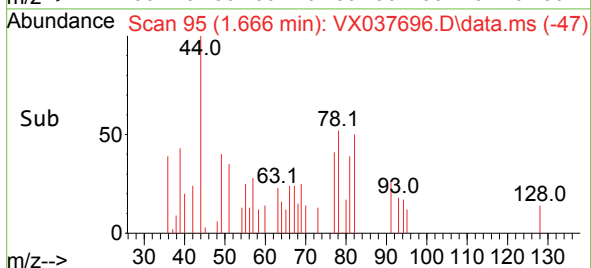
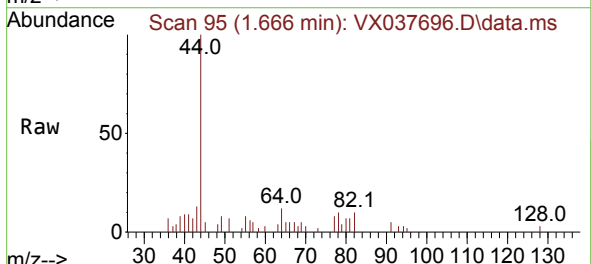


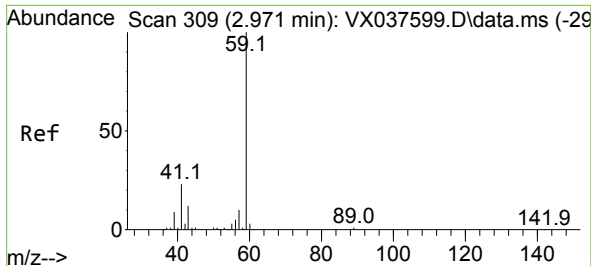
Tgt Ion:168 Resp: 217141
Ion Ratio Lower Upper
168 100
99 57.5 56.6 85.0



#6
Chloroethane
Concen: 0.219 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.007 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

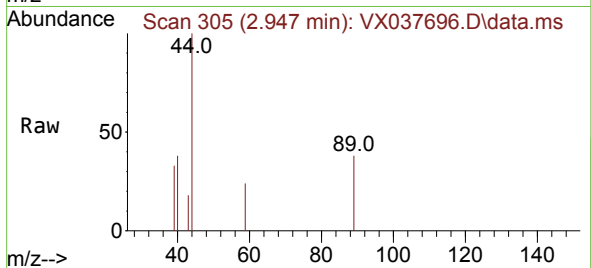
Tgt Ion: 64 Resp: 459
Ion Ratio Lower Upper
64 100
66 29.4 25.1 37.7



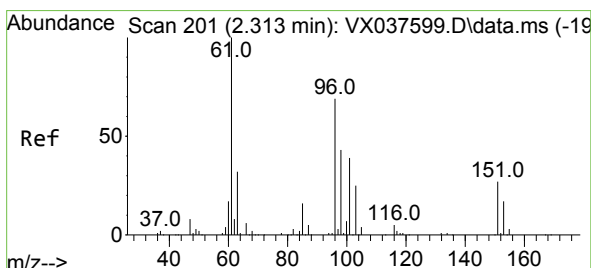
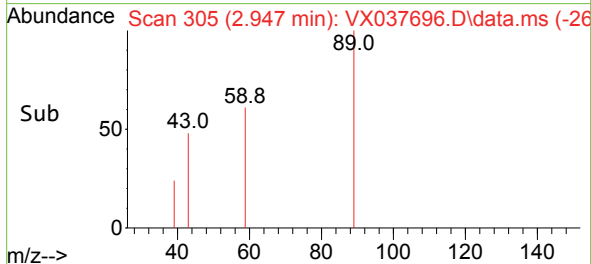
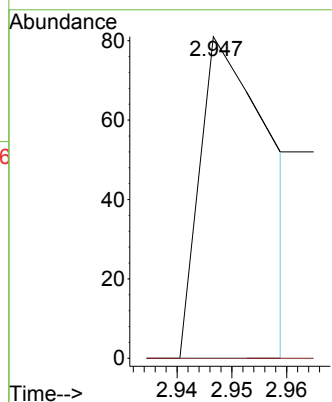


#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :

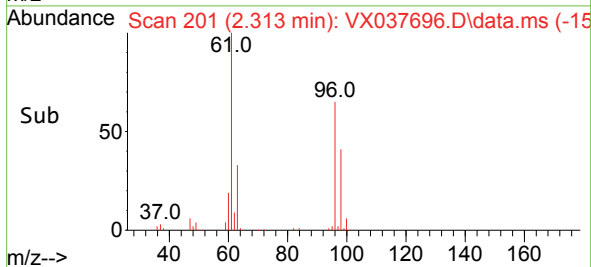
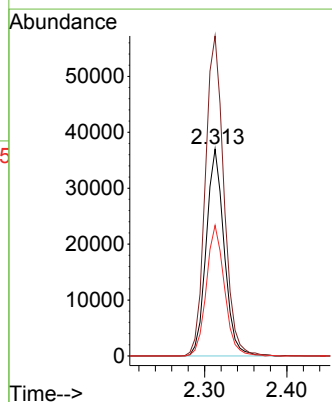
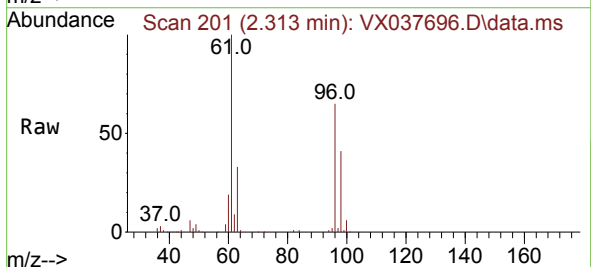


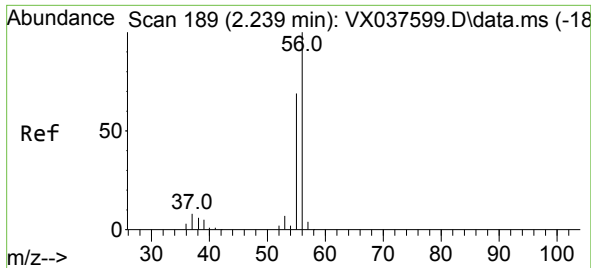
Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 25.079 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

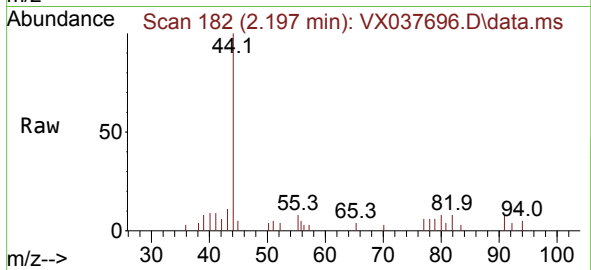
Tgt Ion: 96 Resp: 56026
Ion Ratio Lower Upper
96 100
61 154.7 144.6 216.8
98 63.1 50.4 75.6



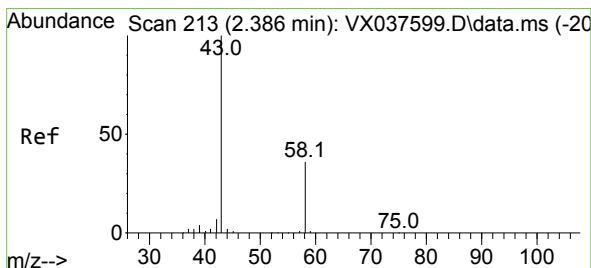
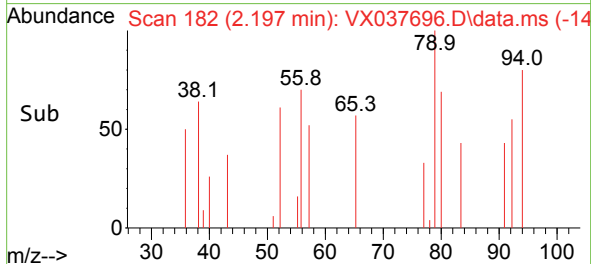
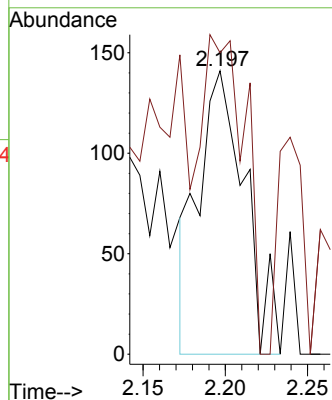


#13
Acrolein
Concen: 0.481 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.043 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument : MSVOA_X
ClientSampleId :

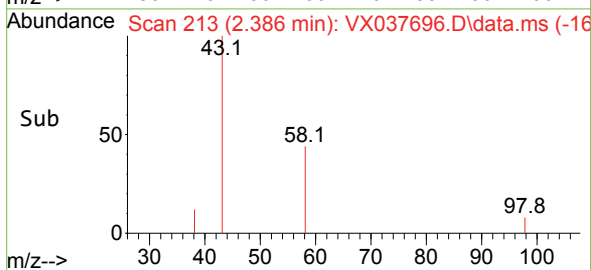
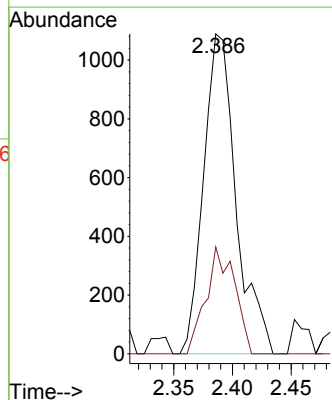
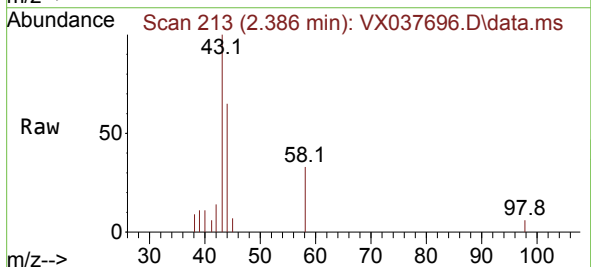


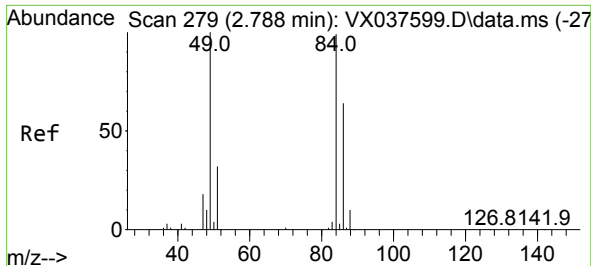
Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 105.8 57.1 85.7#



#16
Acetone
Concen: 1.476 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

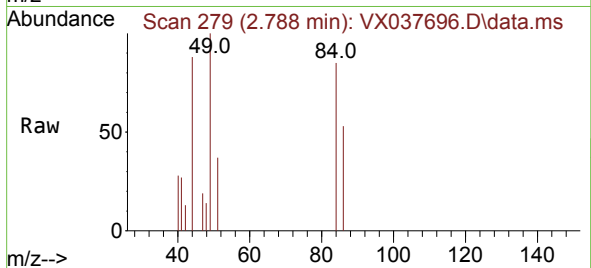
Tgt Ion: 43 Resp: 2097
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



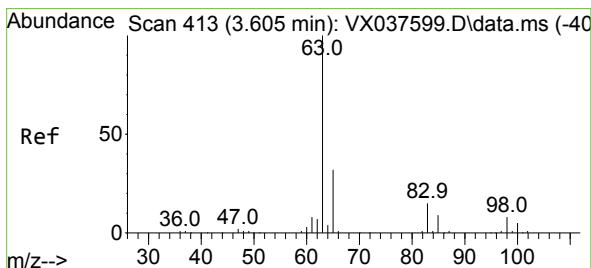
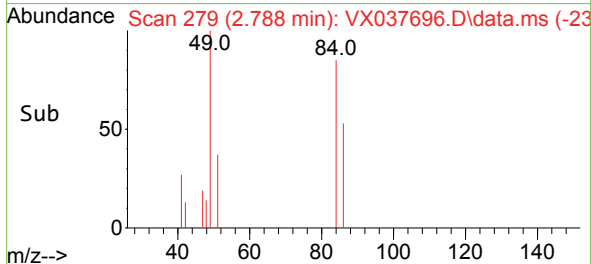
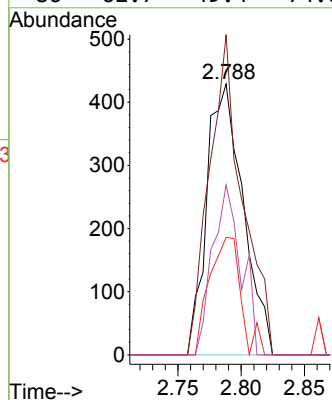


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :

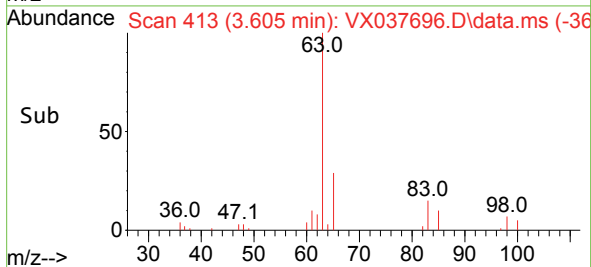
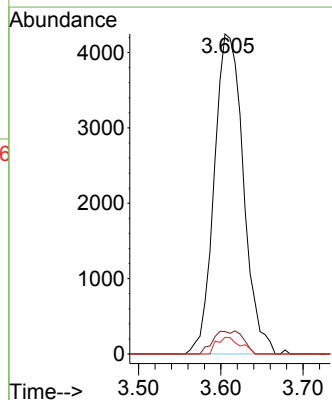
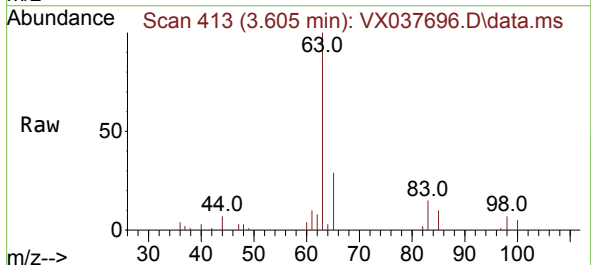


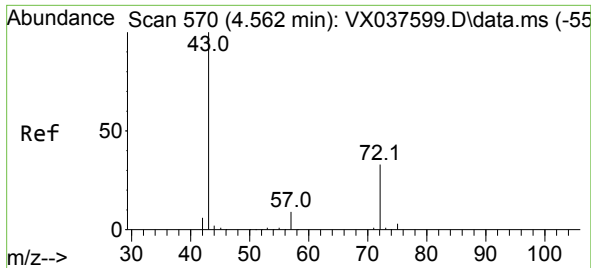
Tgt Ion:	84	Resp:	858
Ion	Ratio	Lower	Upper
84	100		
49	118.2	103.6	155.4
51	43.4	33.8	50.6
86	62.7	49.4	74.0



#24
1,1-Dichloroethane
Concen: 2.102 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Tgt Ion:	63	Resp:	10445
Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.3	9.8
100	5.2	2.1	6.5

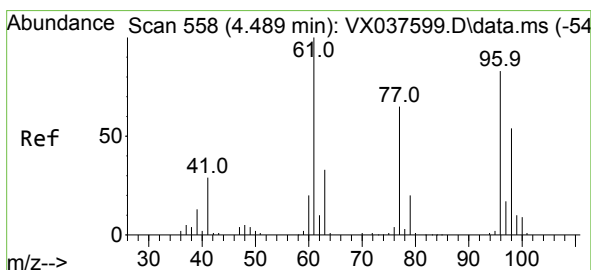
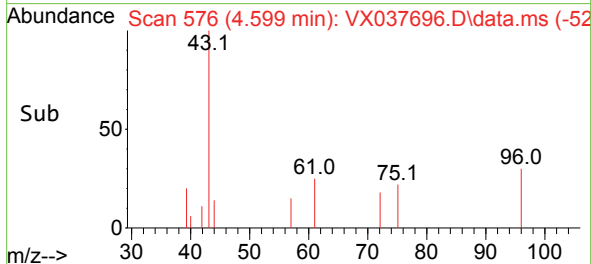
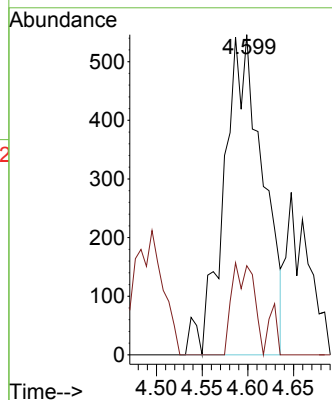
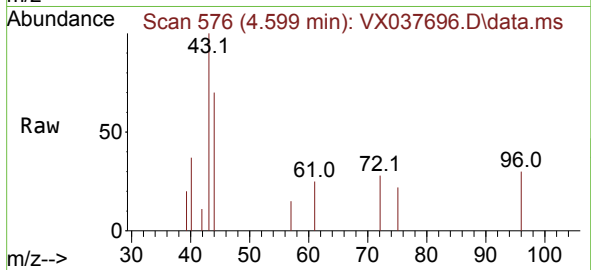




#25
2-Butanone
Concen: 0.702 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

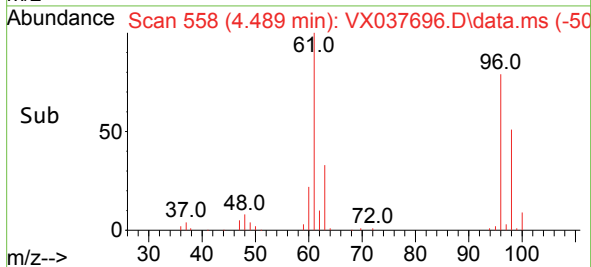
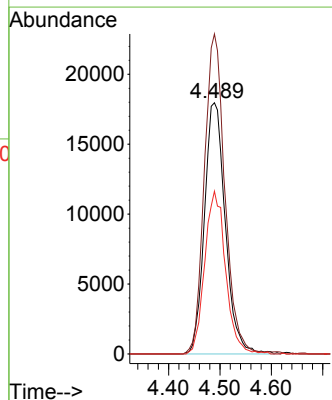
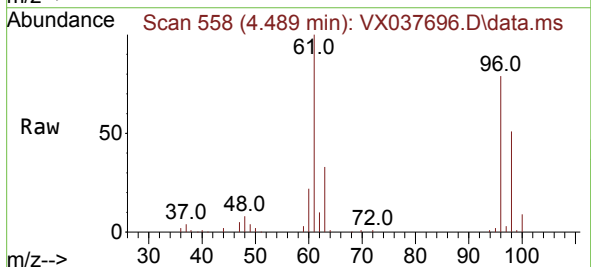
Instrument :
MSVOA_X
ClientSampleId :

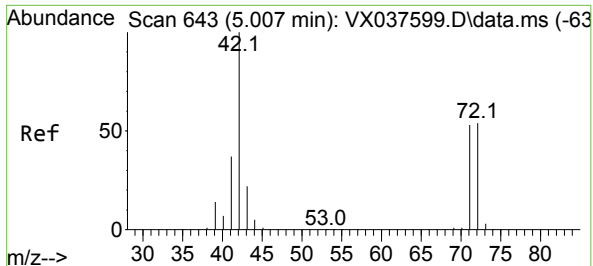
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
72 27.8 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 16.156 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Tgt Ion: 96 Resp: 50637
Ion Ratio Lower Upper
96 100
61 125.1 0.0 312.2
98 64.7 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.820 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.030 min

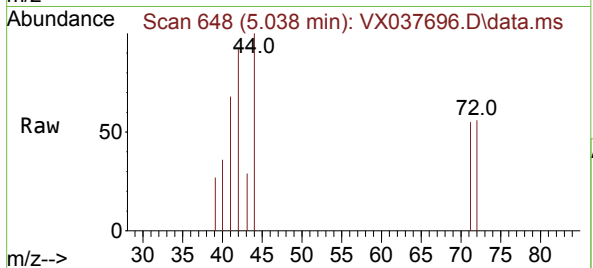
Lab File: VX037696.D

Acq: 13 Sep 2023 15:42

Instrument :

MSVOA_X

ClientSampleId :



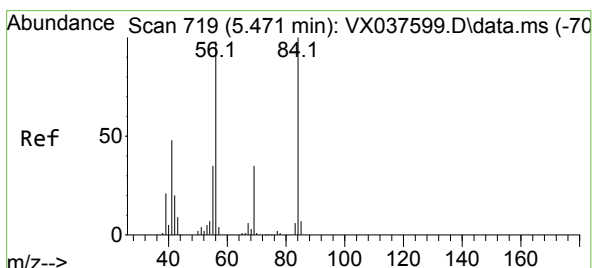
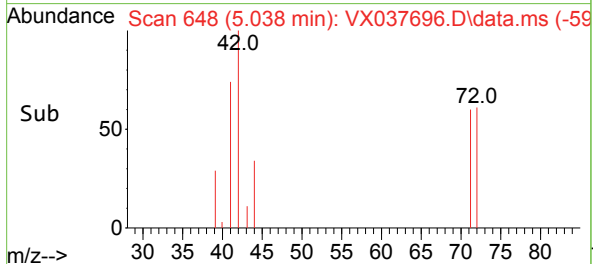
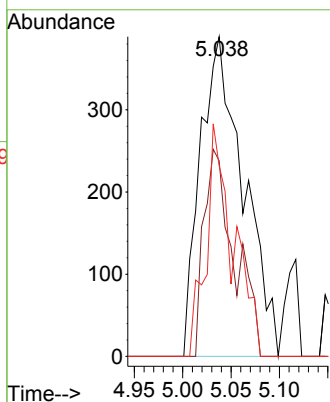
Tgt Ion: 42 Resp: 1209

Ion Ratio Lower Upper

42 100

72 36.3 34.2 51.4

71 45.7 32.2 48.2



#31

Cyclohexane

Concen: 1.249 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037696.D

Acq: 13 Sep 2023 15:42

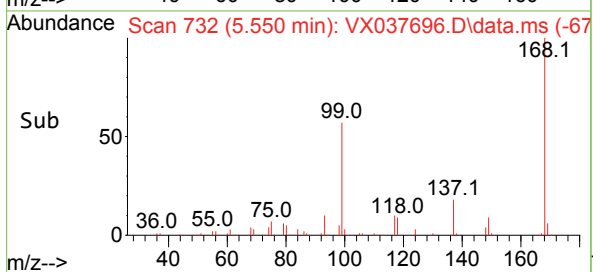
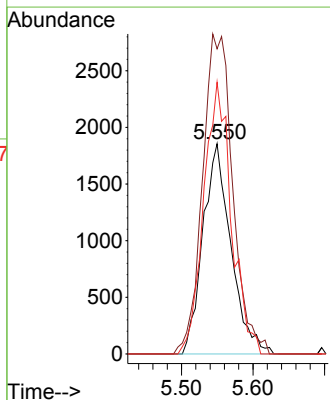
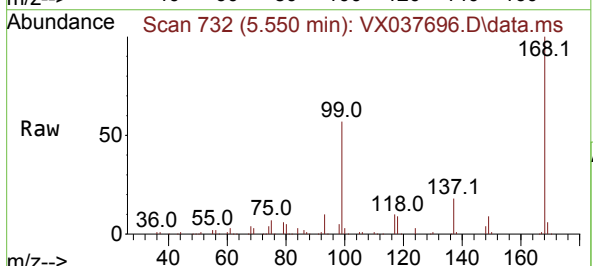
Tgt Ion: 56 Resp: 5053

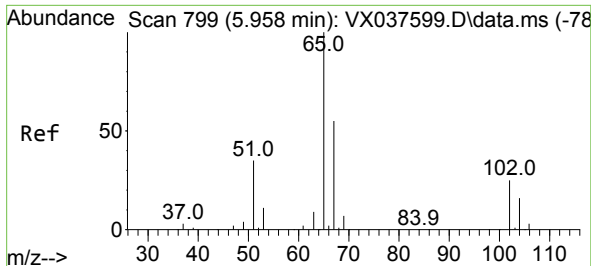
Ion Ratio Lower Upper

56 100

69 145.1 23.4 35.2#

84 129.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.934 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037696.D

Acq: 13 Sep 2023 15:42

Instrument :

MSVOA_X

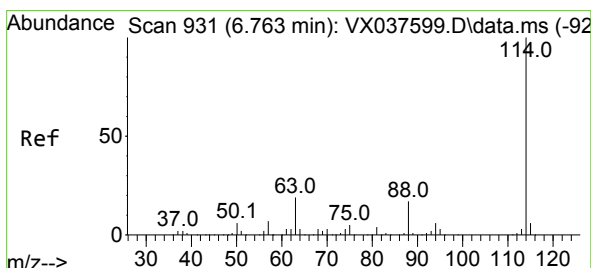
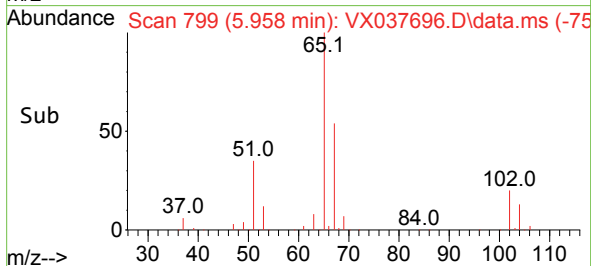
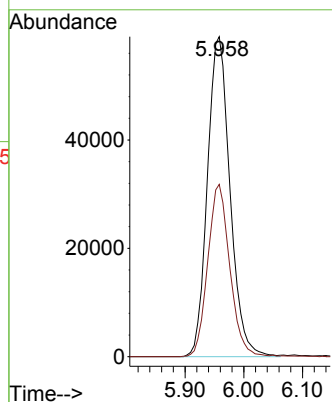
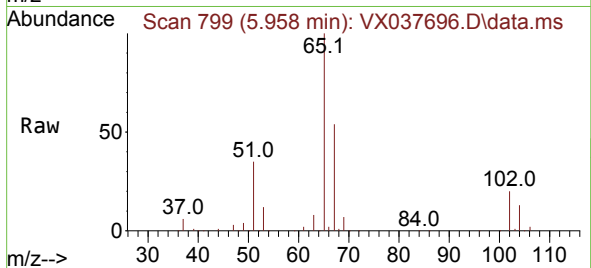
ClientSampleId :

Tgt Ion: 65 Resp: 157863

Ion Ratio Lower Upper

65 100

67 52.8 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: VX037696.D

Acq: 13 Sep 2023 15:42

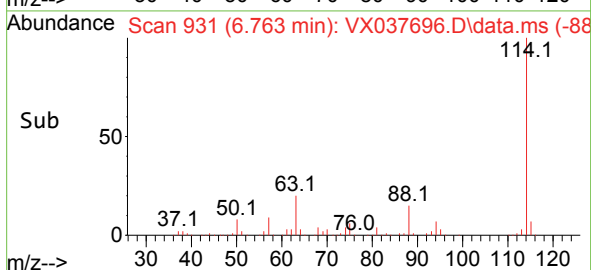
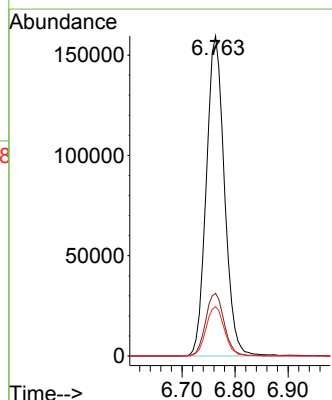
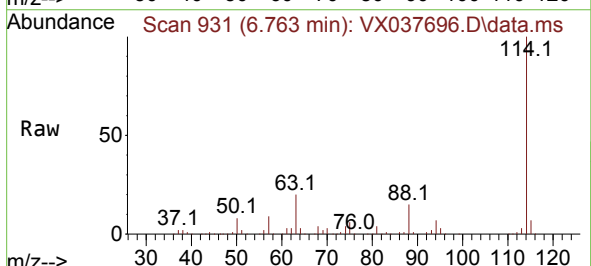
Tgt Ion: 114 Resp: 378722

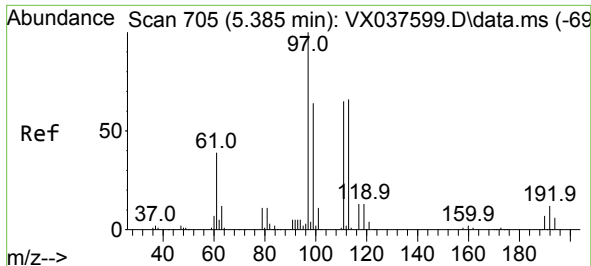
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

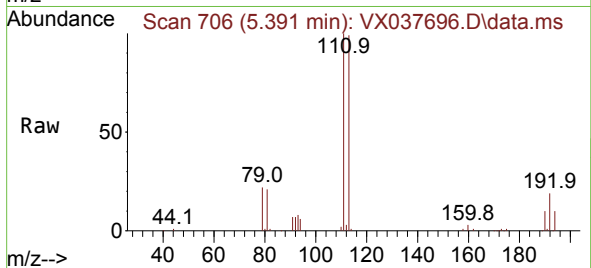
88 15.4 0.0 36.6



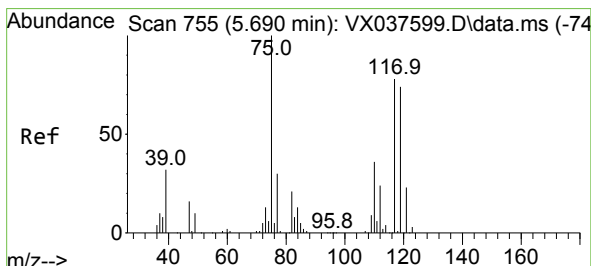
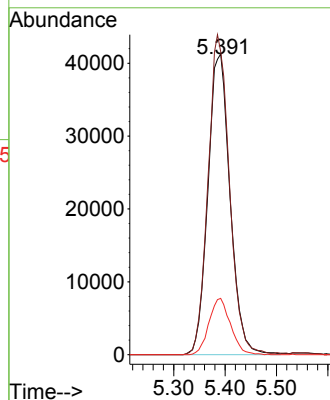
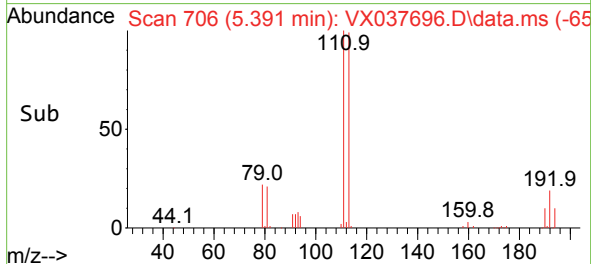


#35
Dibromofluoromethane
Concen: 46.015 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :

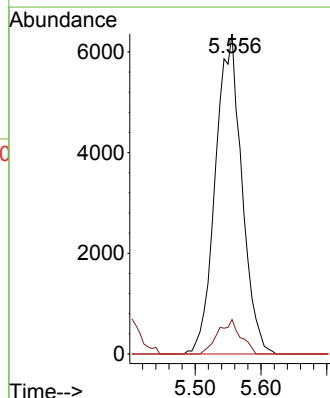
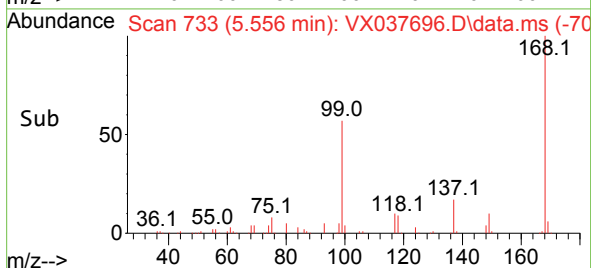
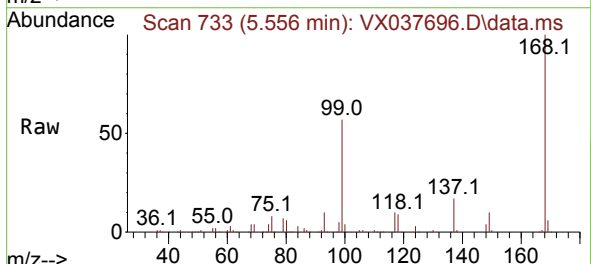


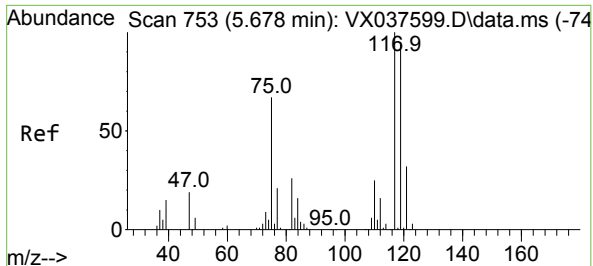
Tgt Ion:113 Resp: 123524
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.853 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

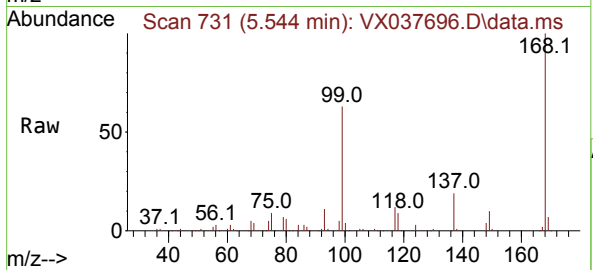
Tgt Ion: 75 Resp: 17721
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



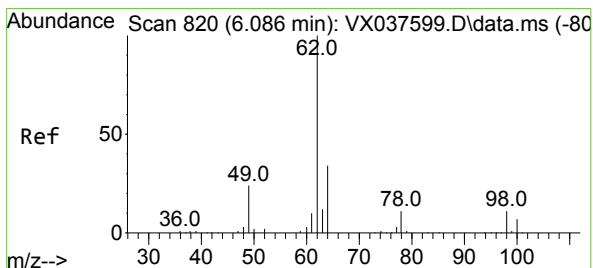
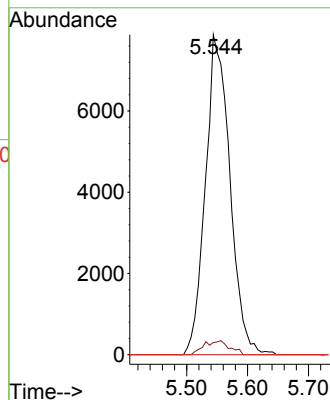
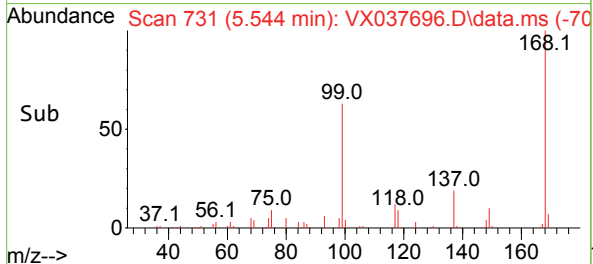


#38
Carbon Tetrachloride
Concen: 5.906 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Instrument :
MSVOA_X
ClientSampleId :

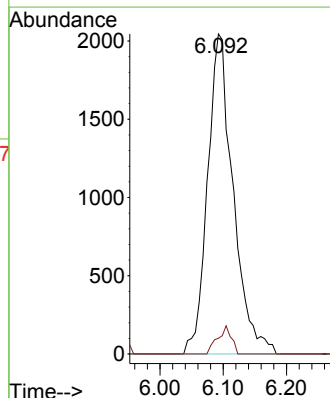
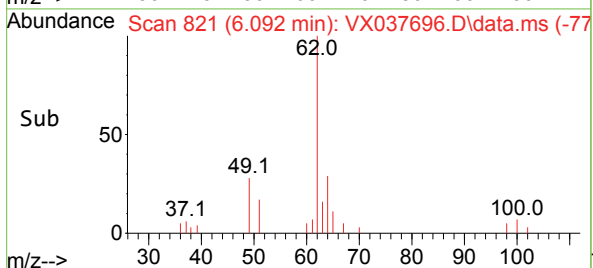
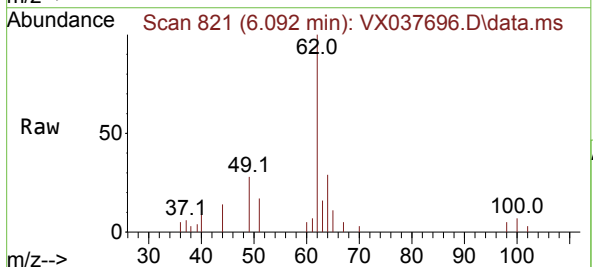


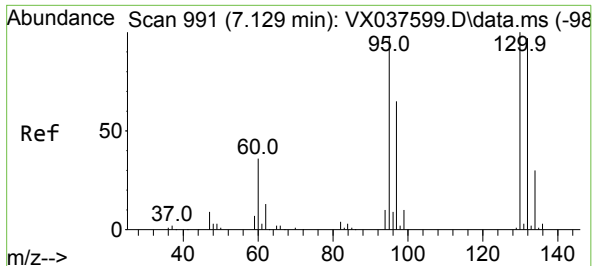
Tgt Ion:117 Resp: 22034
Ion Ratio Lower Upper
117 100
119 3.8 78.2 117.2#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 1.328 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

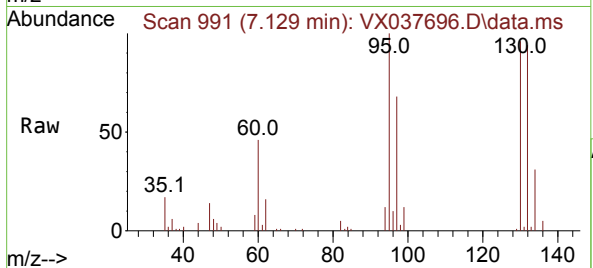
Tgt Ion: 62 Resp: 5745
Ion Ratio Lower Upper
62 100
98 4.7 0.0 16.0



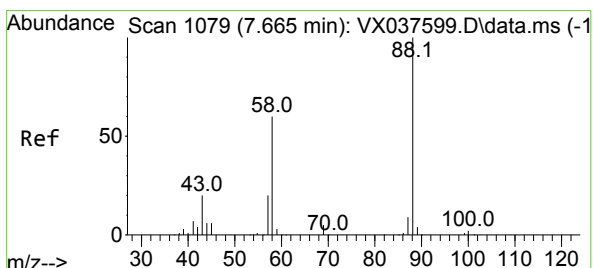
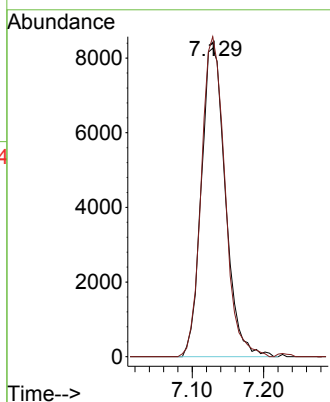
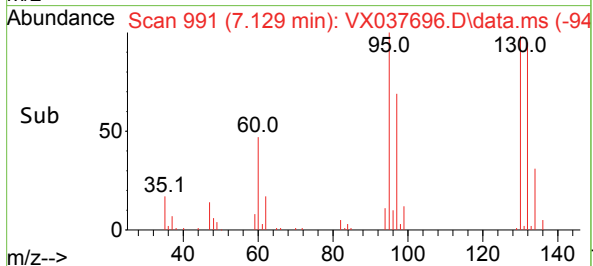


#44
Trichloroethene
Concen: 7.025 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

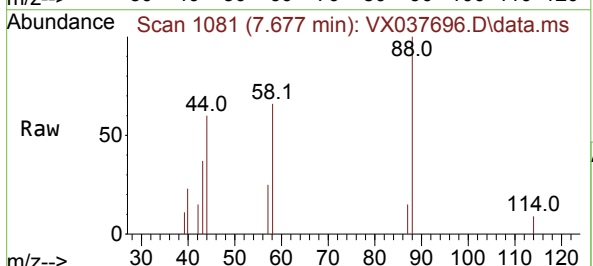
Instrument :
MSVOA_X
ClientSampleId :



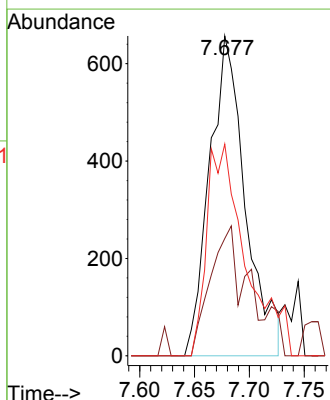
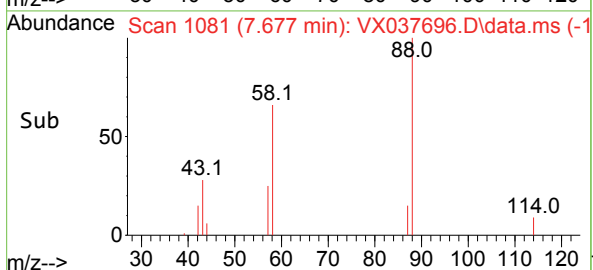
Tgt Ion:130 Resp: 19430
Ion Ratio Lower Upper
130 100
95 103.8 0.0 204.4

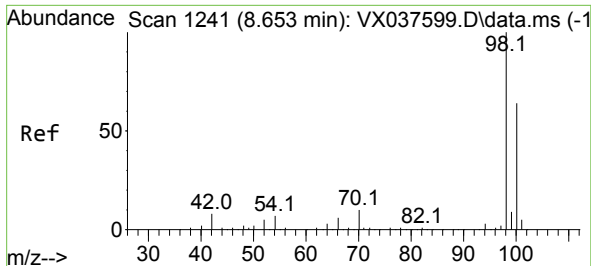


#49
1,4-Dioxane
Concen: 18.788 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. 0.012 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42



Tgt Ion: 88 Resp: 1500
Ion Ratio Lower Upper
88 100
43 45.1 0.0 0.0#
58 71.9 60.1 90.1

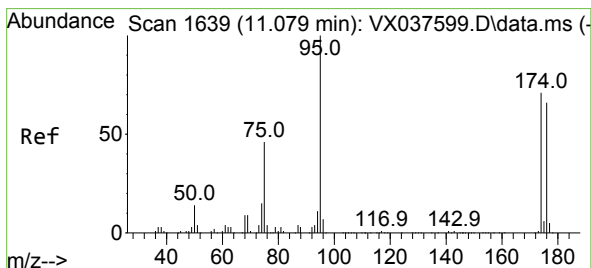
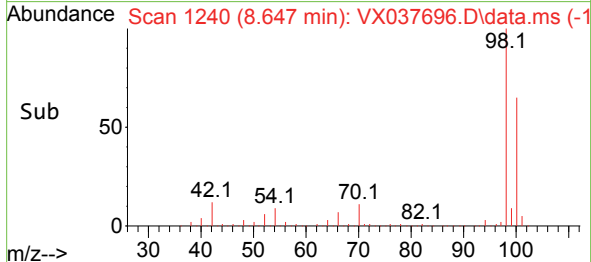
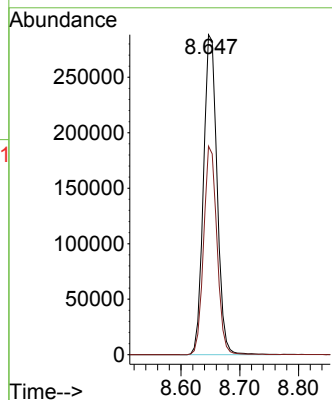
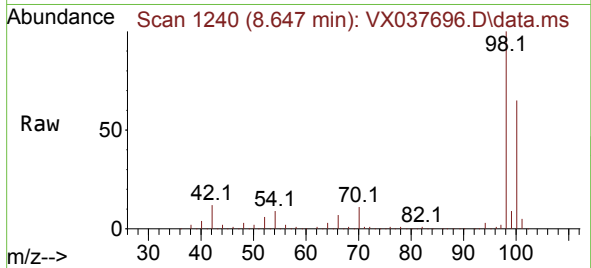




#50
Toluene-d8
Concen: 45.798 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

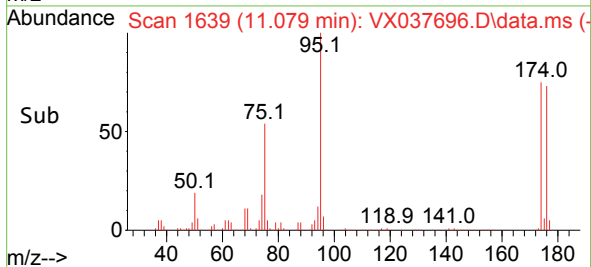
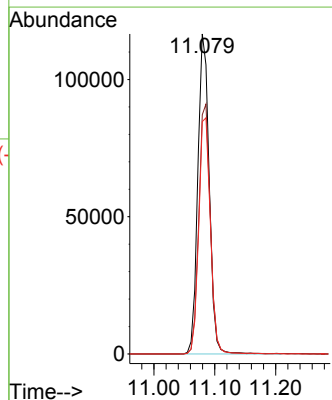
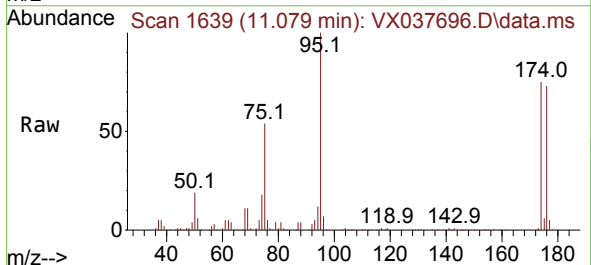
Instrument :
MSVOA_X
ClientSampleId :

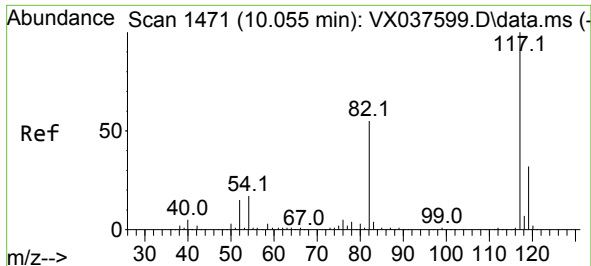
Tgt Ion: 98 Resp: 463665
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 41.396 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Tgt Ion: 95 Resp: 151200
Ion Ratio Lower Upper
95 100
174 79.1 0.0 135.6
176 75.5 0.0 131.0

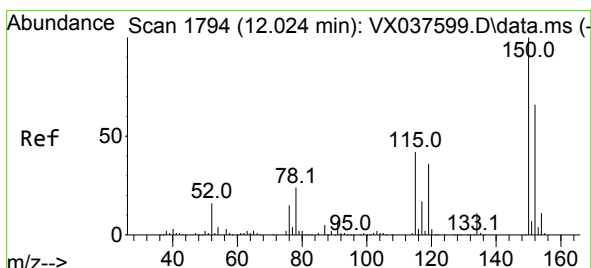
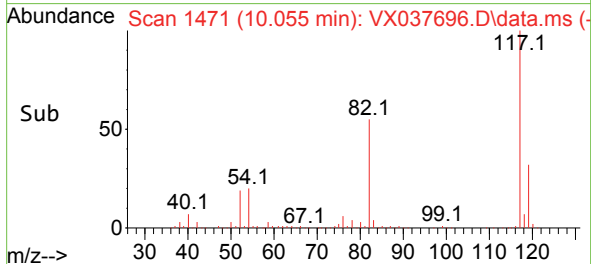
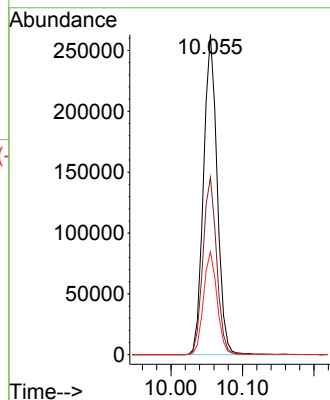
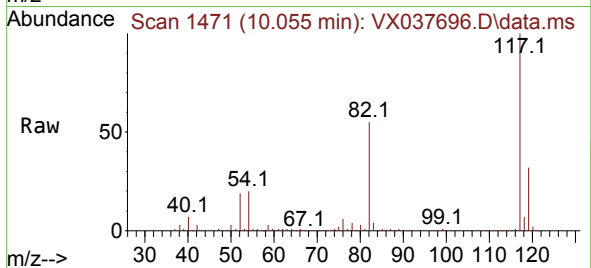




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

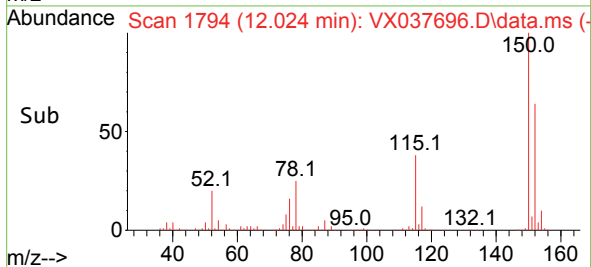
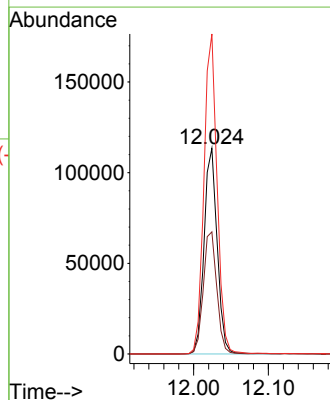
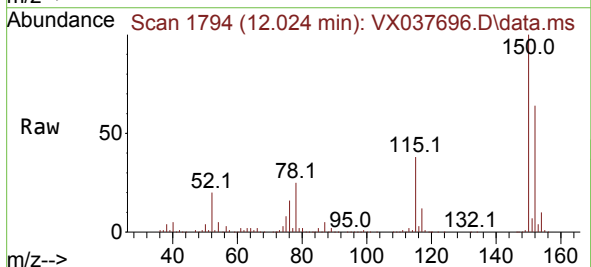
Instrument :
MSVOA_X
ClientSampleId :

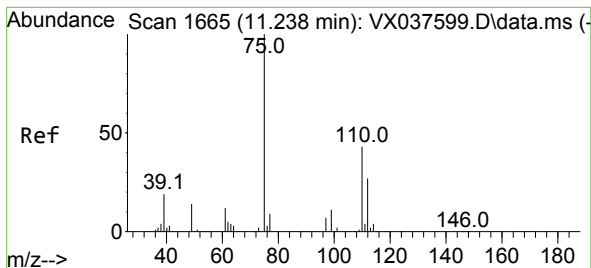
Tgt Ion:117 Resp: 349249
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037696.D
Acq: 13 Sep 2023 15:42

Tgt Ion:152 Resp: 138225
Ion Ratio Lower Upper
152 100
115 61.3 43.3 129.9
150 156.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 26.213 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037696.D

Acq: 13 Sep 2023 15:42

Instrument :

MSVOA_X

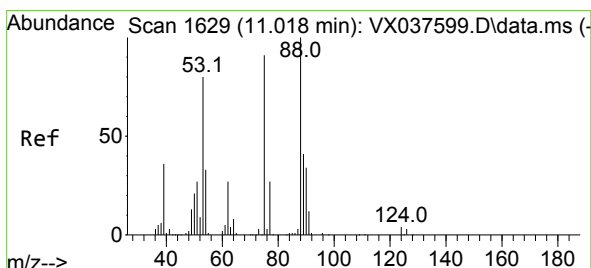
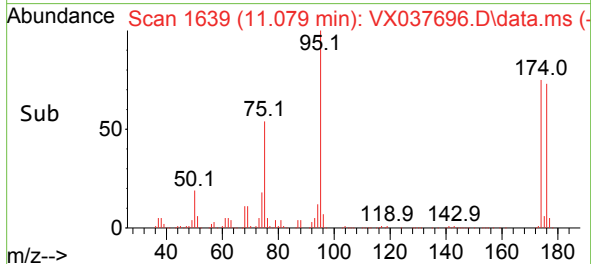
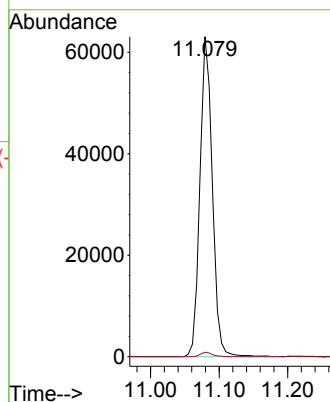
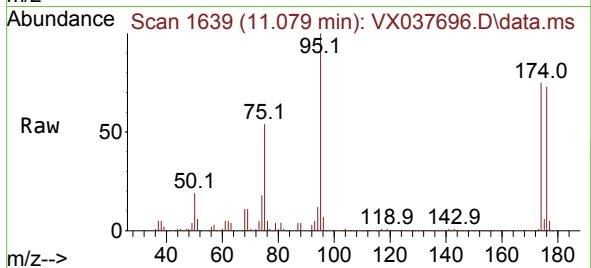
ClientSampleId :

Tgt Ion: 75 Resp: 79657

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.680 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037696.D

Acq: 13 Sep 2023 15:42

Tgt Ion: 75 Resp: 79657

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#

