

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091423\
 Data File : VX037737.D
 Acq On : 14 Sep 2023 18:40
 Operator : JC/MD
 Sample : 04327-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 15 01:34:48 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)

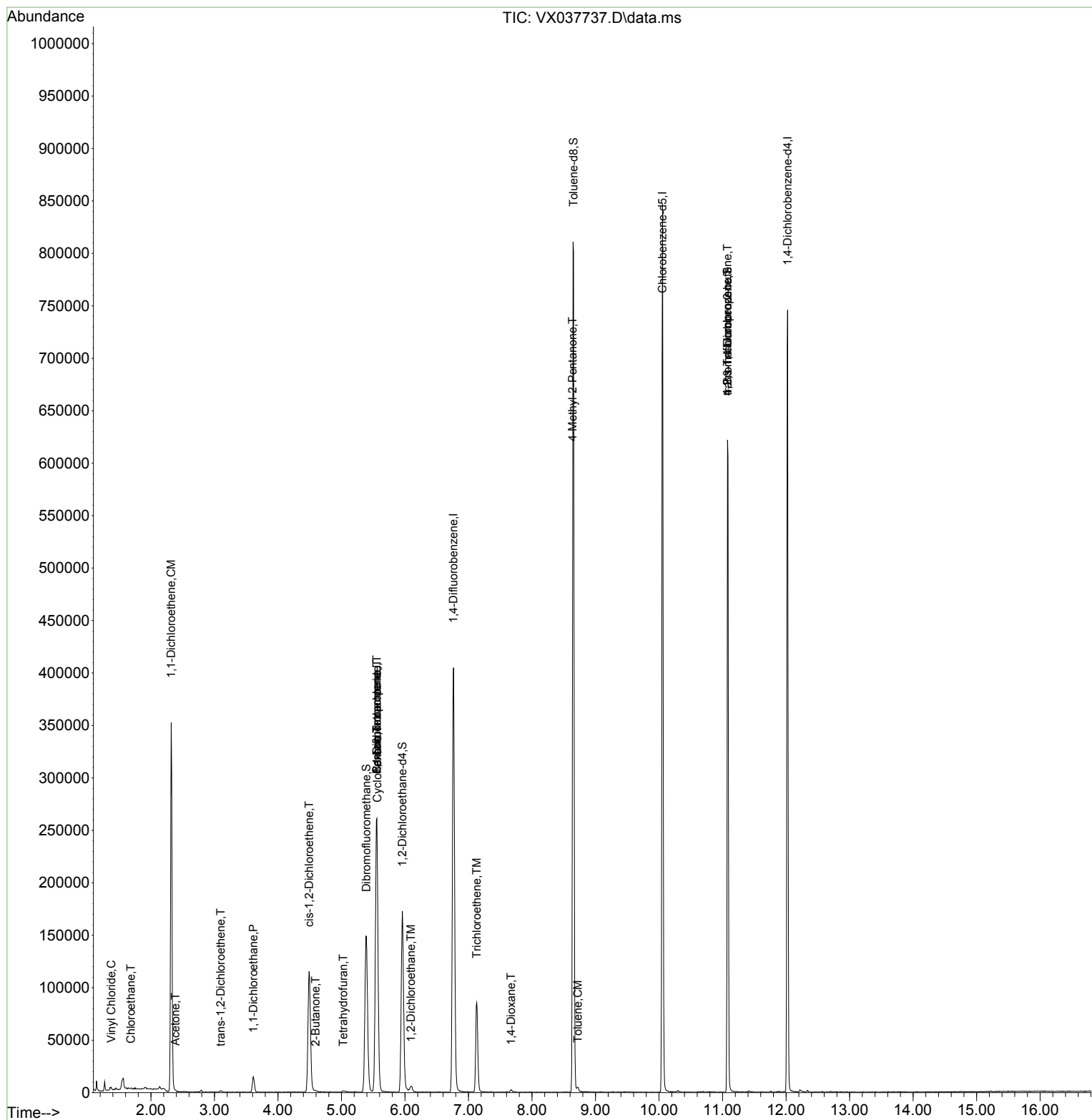
Internal Standards						
1) Pentafluorobenzene	5.556	168	251764	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	420667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	159581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160056	39.293	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	78.580%
35) Dibromofluoromethane	5.391	113	131721	44.176	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.360%
50) Toluene-d8	8.653	98	500992	44.551	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.100%#
62) 4-Bromofluorobenzene	11.079	95	169341	41.740	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.480%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.374	62	1063	0.301	ug/l	99
6) Chloroethane	1.685	64	515	0.212	ug/l	# 62
11) Tert butyl alcohol	2.965	59	131	Below Cal	#	78
12) 1,1-Dichloroethene	2.319	96	116508	44.980	ug/l	88
16) Acetone	2.386	43	1500	0.911	ug/l	90
20) Methylene Chloride	2.800	84	905	Below Cal	#	63
21) trans-1,2-Dichloroethene	3.099	96	631	0.212	ug/l	# 67
24) 1,1-Dichloroethane	3.611	63	16266	2.824	ug/l	98
25) 2-Butanone	4.593	43	1613	0.601	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	75027	20.646	ug/l	81
29) Tetrahydrofuran	5.026	42	598	0.350	ug/l	# 64
31) Cyclohexane	5.562	56	5529	1.179	ug/l	# 26
36) 1,1-Dichloropropene	5.556	75	19429	4.790	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	25484	6.150	ug/l	# 16
42) 1,2-Dichloroethane	6.092	62	6497	1.352	ug/l	98
44) Trichloroethene	7.129	130	34531	11.239	ug/l	98
49) 1,4-Dioxane	7.671	88	1866	21.042	ug/l	# 89
51) 4-Methyl-2-Pentanone	8.641	43	2087	0.429	ug/l	# 1
52) Toluene	8.720	92	1613	0.204	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	85931	24.493	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	85931	74.453	ug/l	# 5

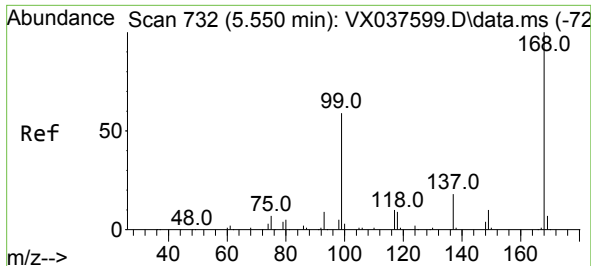
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration

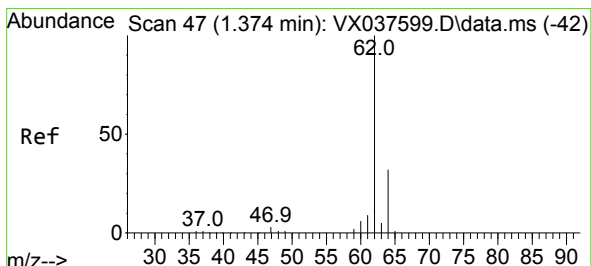
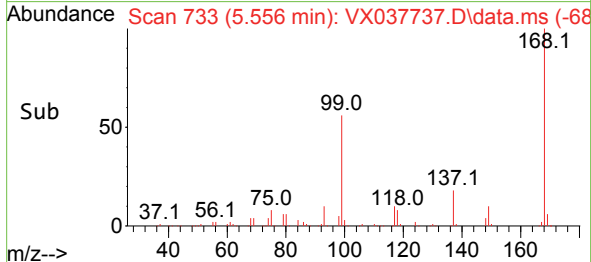
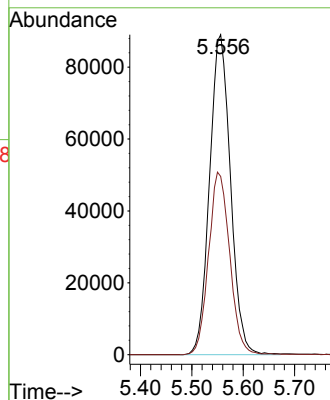
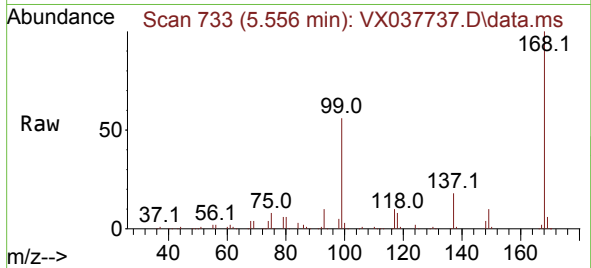




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

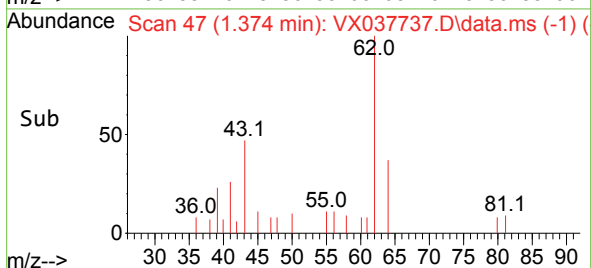
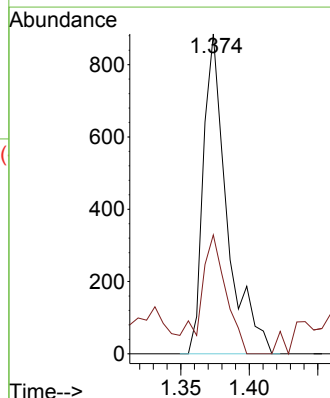
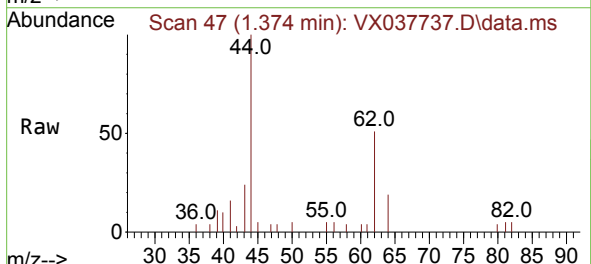
Instrument :
MSVOA_X
ClientSampleId :

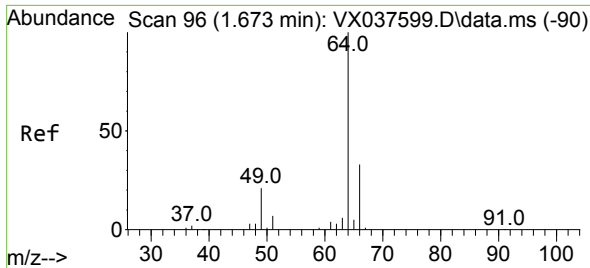
Tgt Ion:168 Resp: 251764
Ion Ratio Lower Upper
168 100
99 55.7 56.6 85.0#



#4
Vinyl Chloride
Concen: 0.301 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 62 Resp: 1063
Ion Ratio Lower Upper
62 100
64 31.4 25.4 38.0

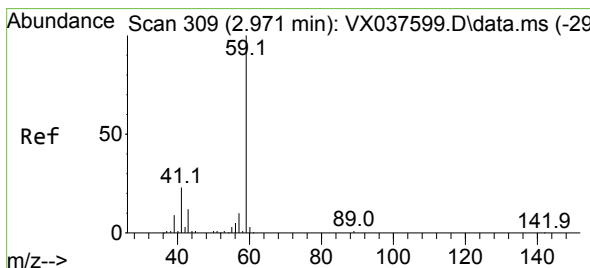
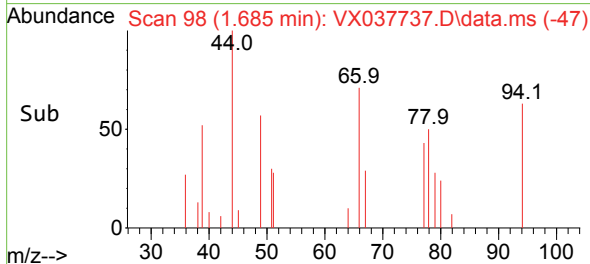
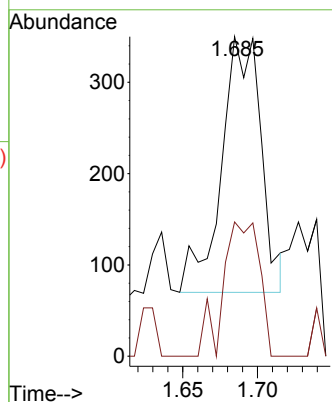
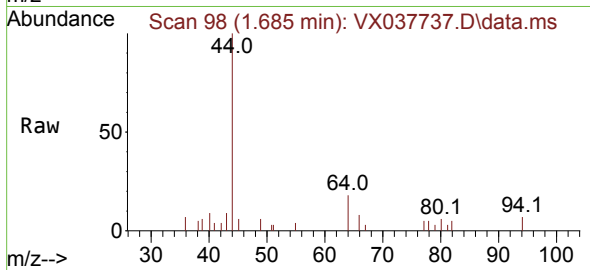




#6
Chloroethane
Concen: 0.212 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

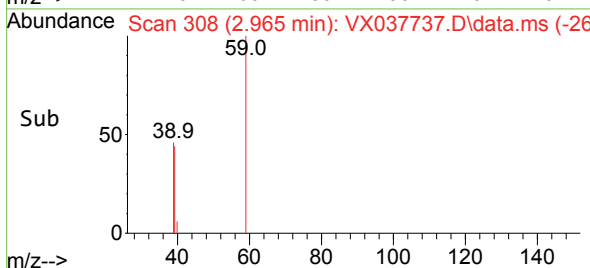
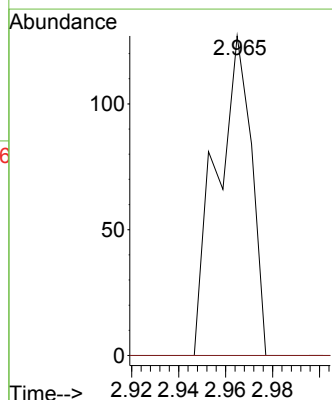
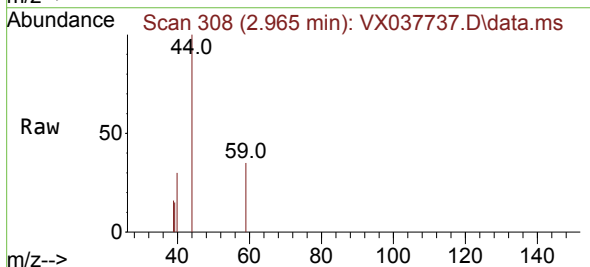
Instrument :
MSVOA_X
ClientSampleId :

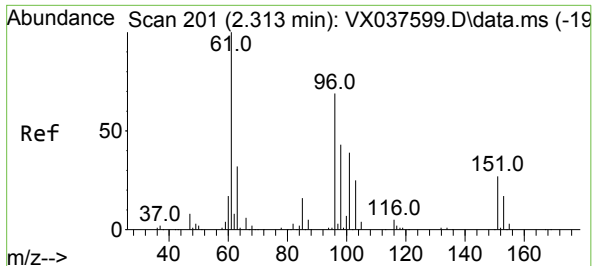
Tgt Ion: 64 Resp: 515
Ion Ratio Lower Upper
64 100
66 52.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.965 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

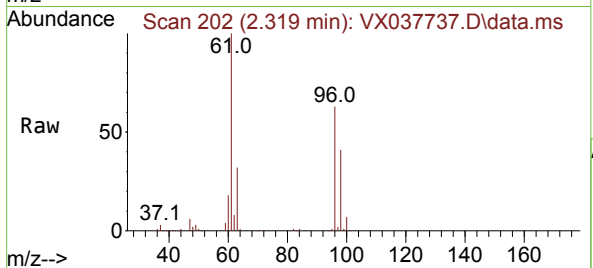
Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



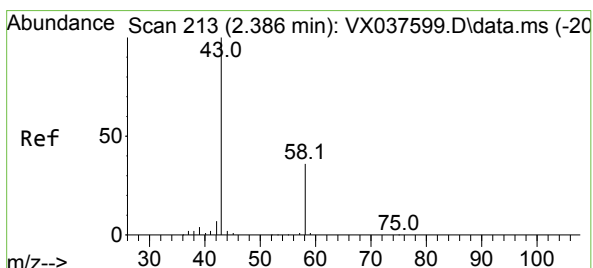
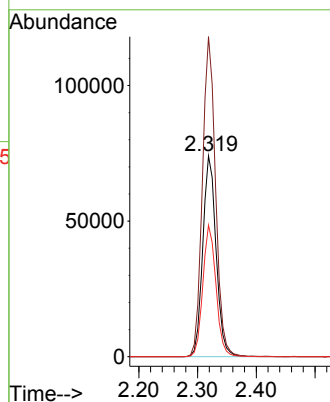
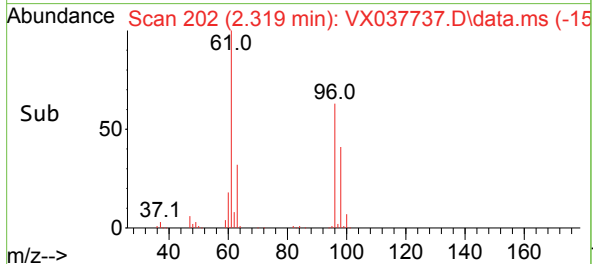


#12
1,1-Dichloroethene
Concen: 44.980 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Instrument :
MSVOA_X
ClientSampleId :

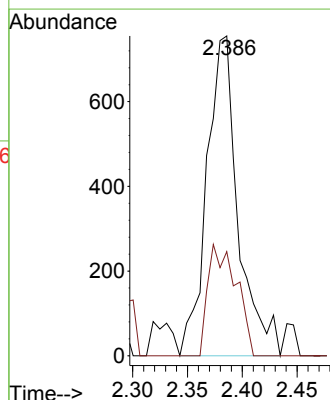
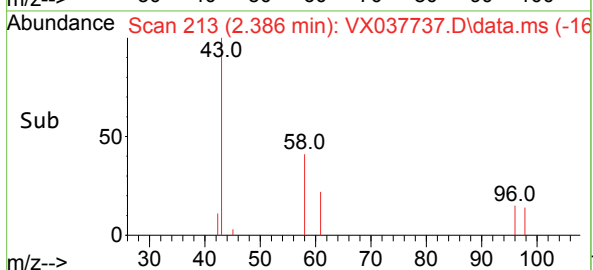
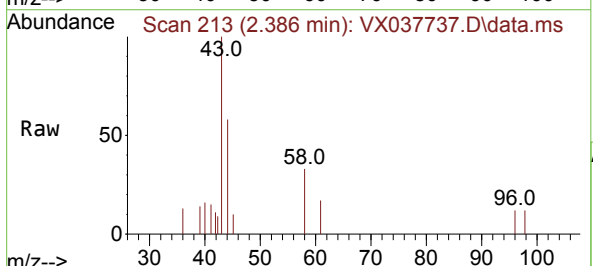


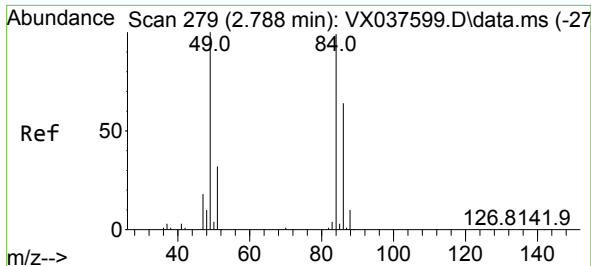
Tgt Ion: 96 Resp: 116508
Ion Ratio Lower Upper
96 100
61 159.4 144.6 216.8
98 65.5 50.4 75.6



#16
Acetone
Concen: 0.911 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

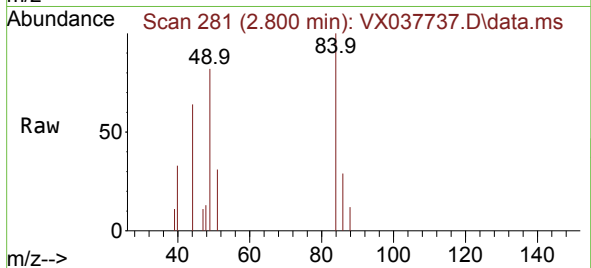
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
58 32.6 21.9 32.9



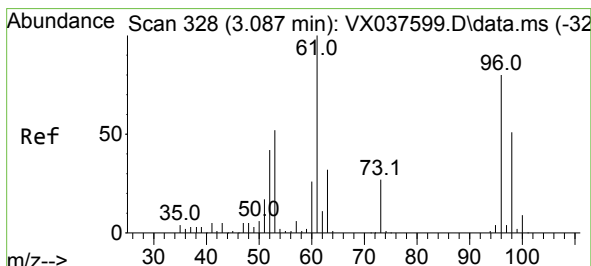
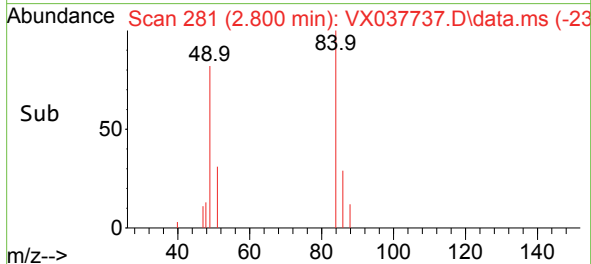
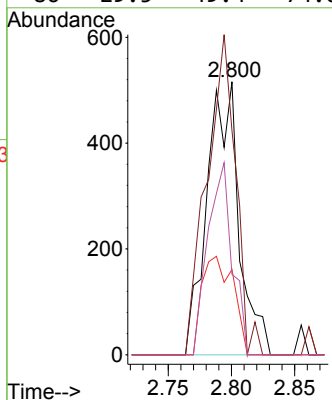


#20
Methylene Chloride
Concen: Below Cal
RT: 2.800 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Instrument :
MSVOA_X
ClientSampleId :

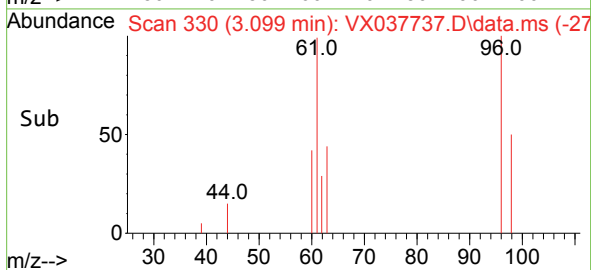
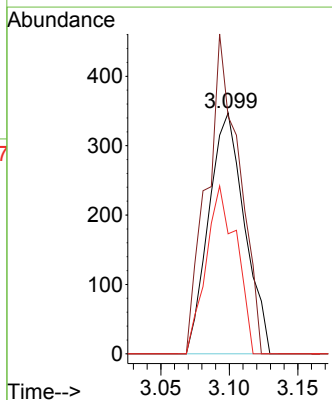
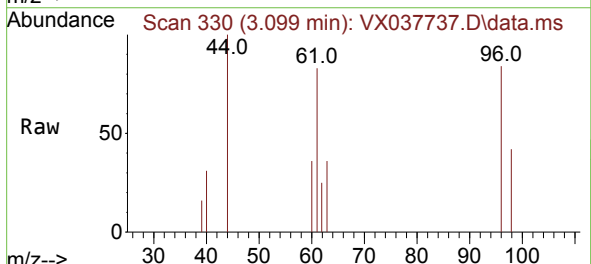


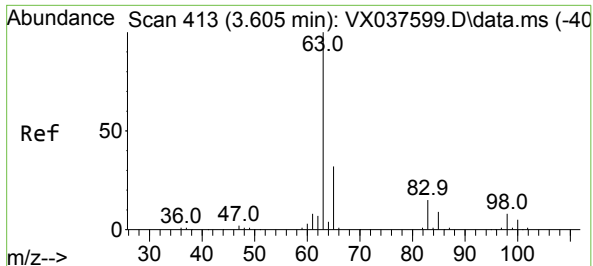
Tgt Ion: 84 Resp: 905
Ion Ratio Lower Upper
84 100
49 82.2 103.6 155.4#
51 31.2 33.8 50.6#
86 29.5 49.4 74.0#



#21
trans-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.012 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 96 Resp: 631
Ion Ratio Lower Upper
96 100
61 98.6 119.2 178.8#
98 49.9 48.7 73.1





#24

1,1-Dichloroethane

Concen: 2.824 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX037737.D

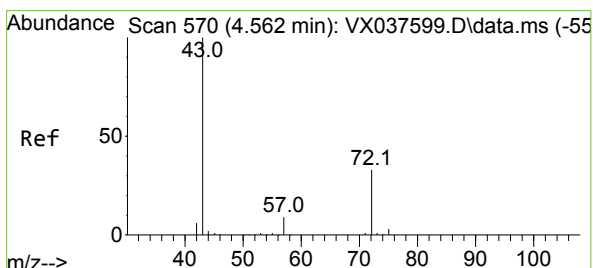
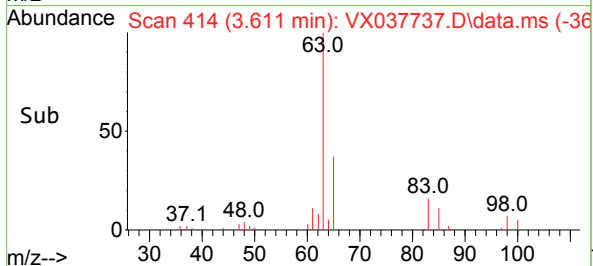
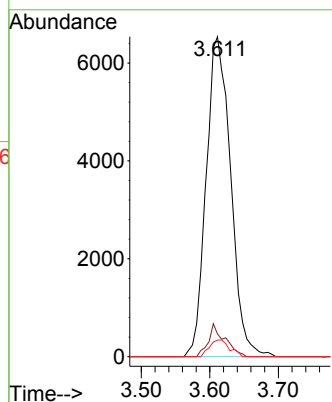
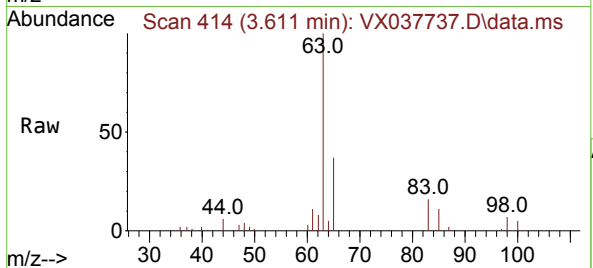
Acq: 14 Sep 2023 18:40

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	63	Resp:	16266
Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.3	9.8
100	5.2	2.1	6.5



#25

2-Butanone

Concen: 0.601 ug/l

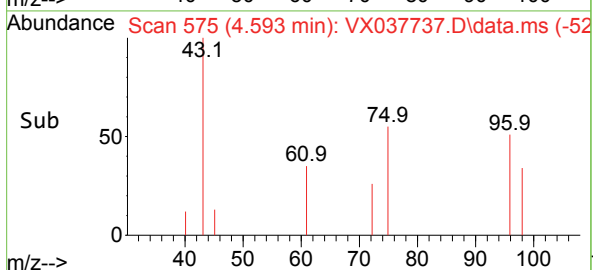
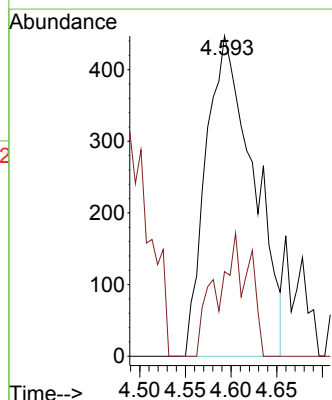
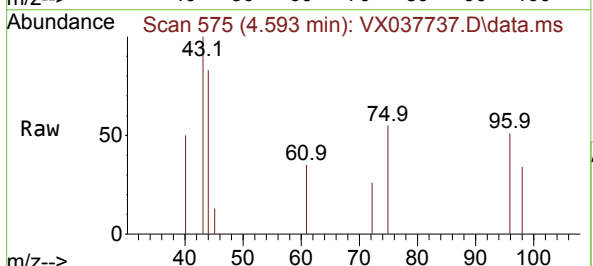
RT: 4.593 min Scan# 575

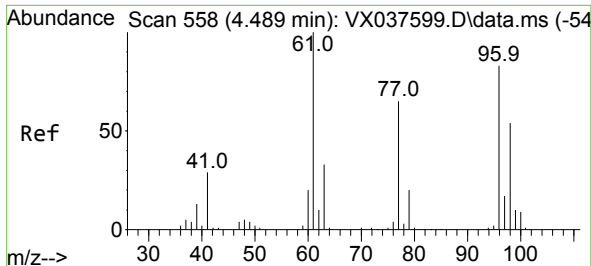
Delta R.T. 0.030 min

Lab File: VX037737.D

Acq: 14 Sep 2023 18:40

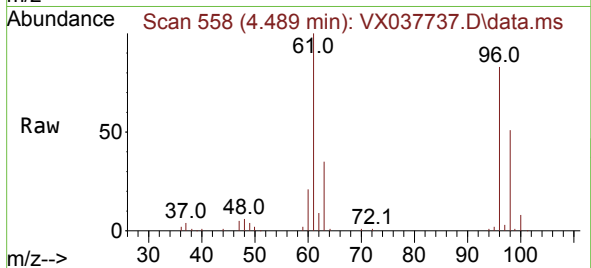
Tgt Ion:	43	Resp:	1613
Ion	Ratio	Lower	Upper
43	100		
72	26.4	19.4	29.2



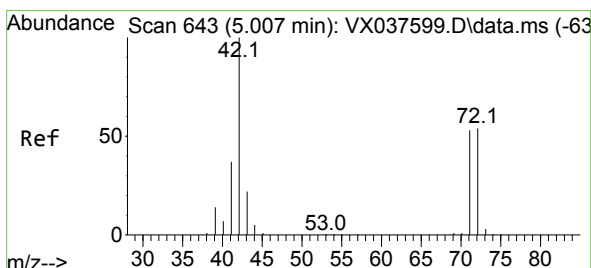
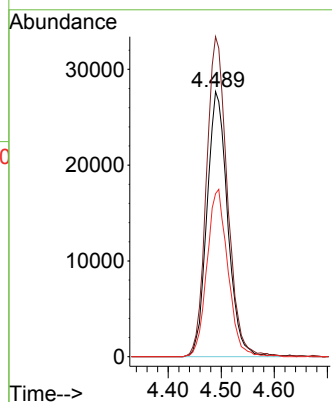
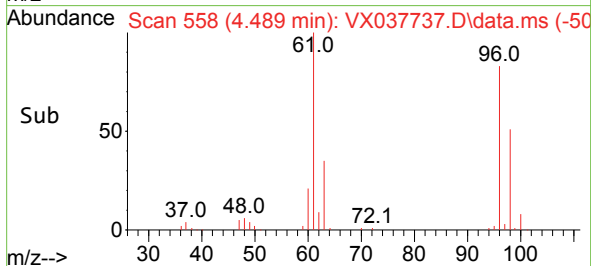


#27
 cis-1,2-Dichloroethene
 Concen: 20.646 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX037737.D
 Acq: 14 Sep 2023 18:40

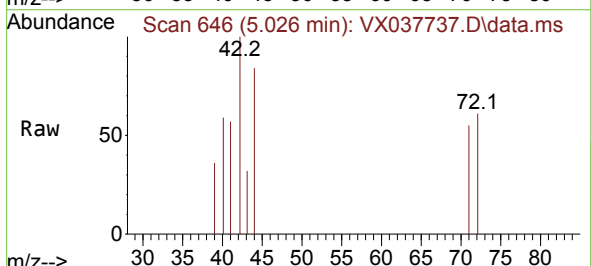
Instrument :
 MSVOA_X
 ClientSampleId :



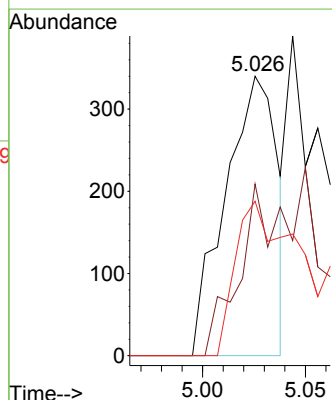
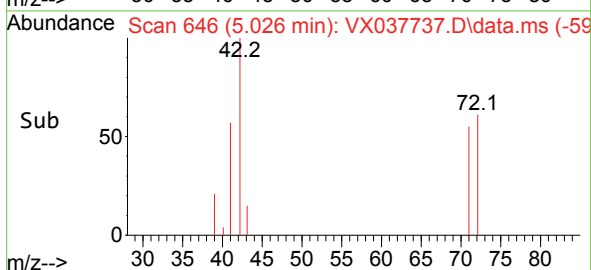
Tgt Ion:	96	Resp:	75027
Ion	Ratio	Lower	Upper
96	100		
61	122.1	0.0	312.2
98	63.9	0.0	129.0

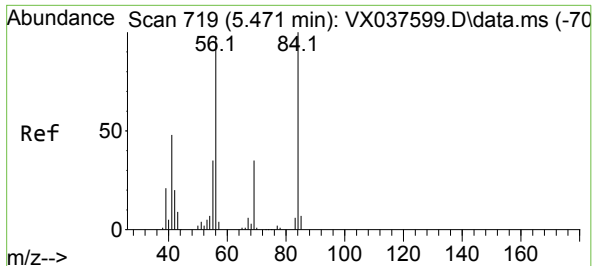


#29
 Tetrahydrofuran
 Concen: 0.350 ug/l
 RT: 5.026 min Scan# 646
 Delta R.T. 0.018 min
 Lab File: VX037737.D
 Acq: 14 Sep 2023 18:40



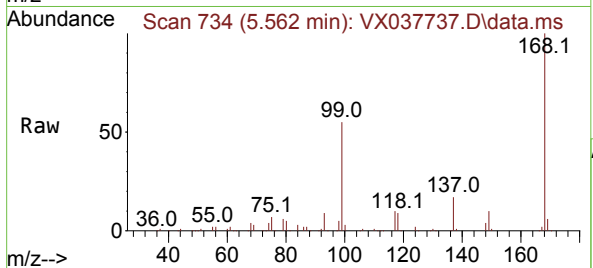
Tgt Ion:	42	Resp:	598
Ion	Ratio	Lower	Upper
42	100		
72	34.9	34.2	51.4
71	78.6	32.2	48.2#



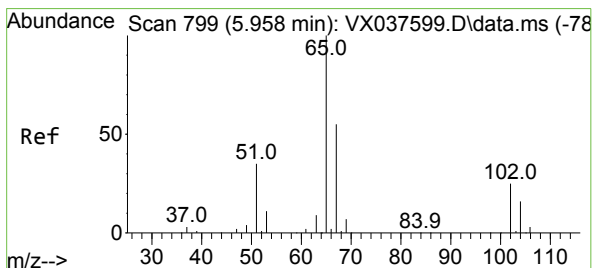
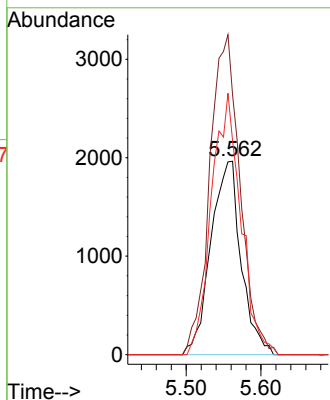
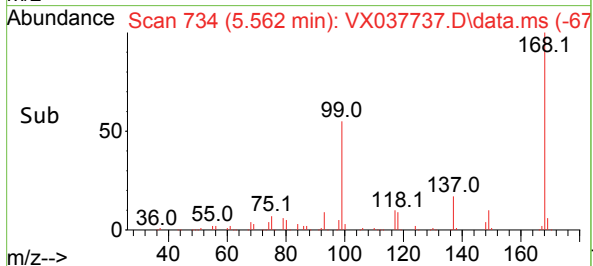


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Instrument :
MSVOA_X
ClientSampleId :

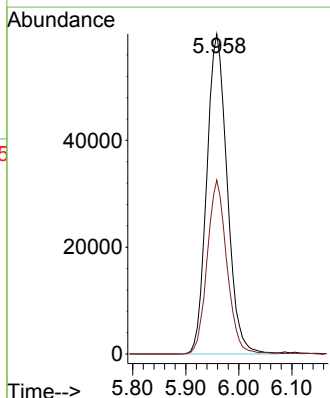
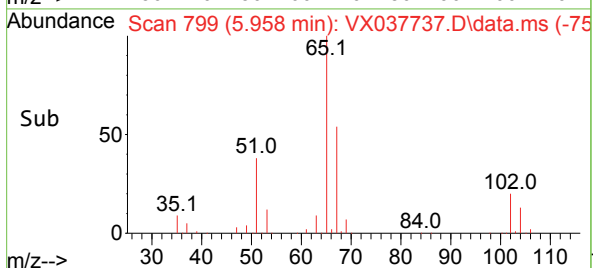
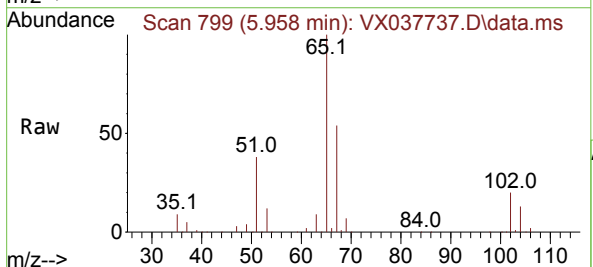


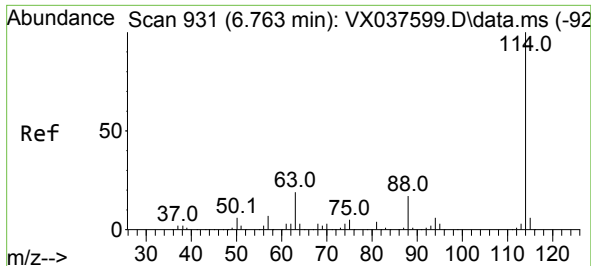
Tgt Ion: 56 Resp: 5529
Ion Ratio Lower Upper
56 100
69 134.2 23.4 35.2#
84 110.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 39.293 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 65 Resp: 160056
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

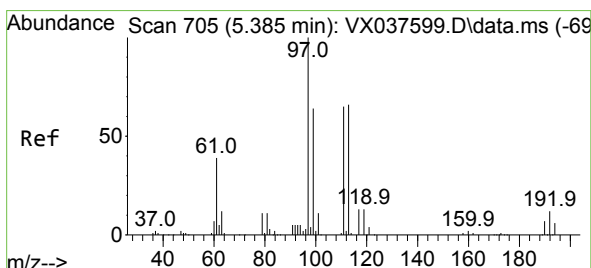
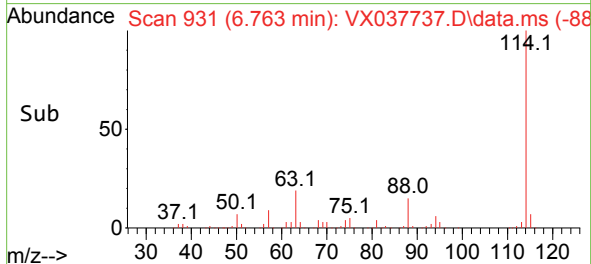
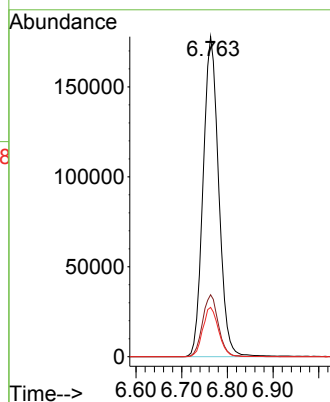
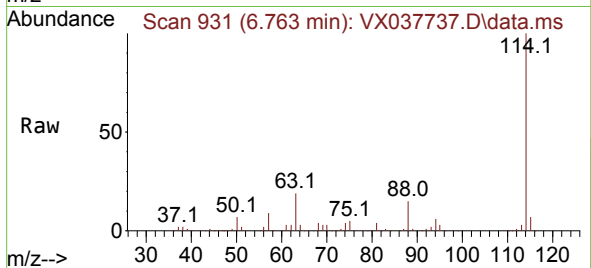




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

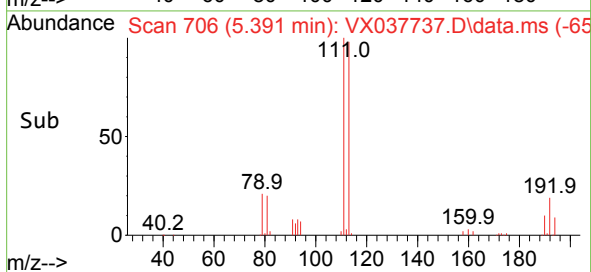
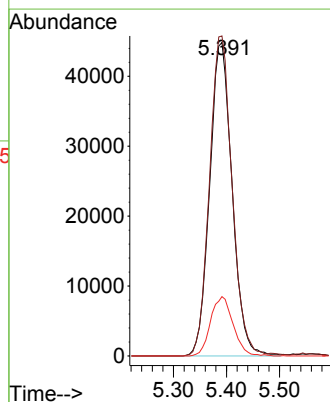
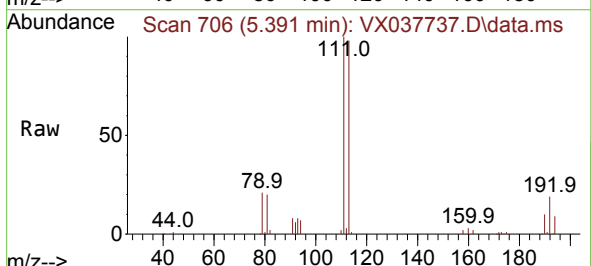
Instrument :
MSVOA_X
ClientSampleId :

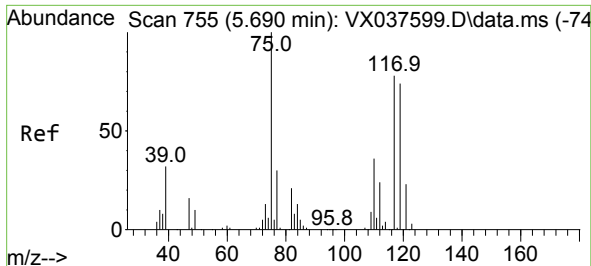
Tgt Ion:114 Resp: 420667
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.176 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion:113 Resp: 131721
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 19.1 13.3 19.9

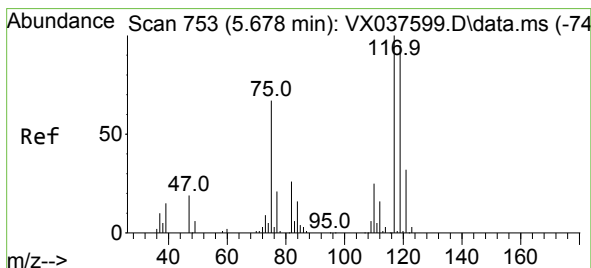
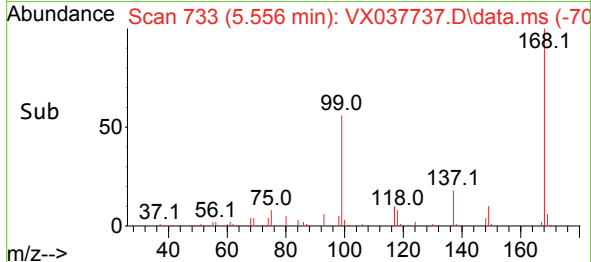
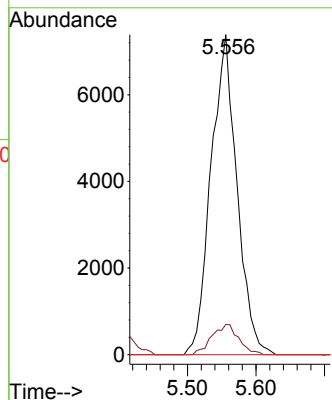
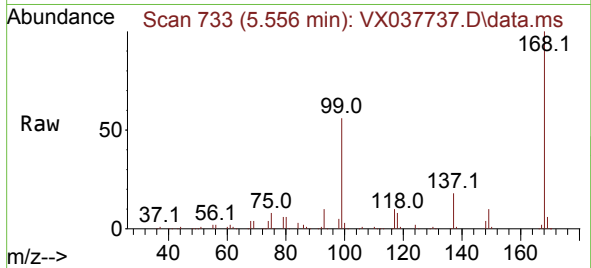




#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

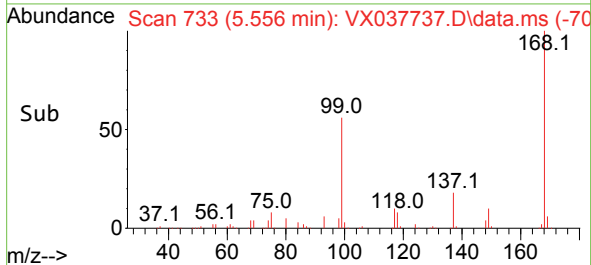
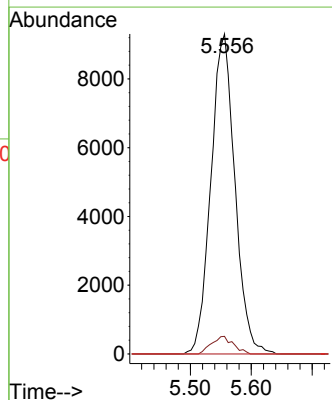
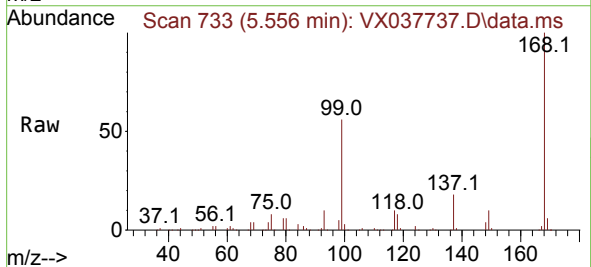
Instrument :
MSVOA_X
ClientSampleId :

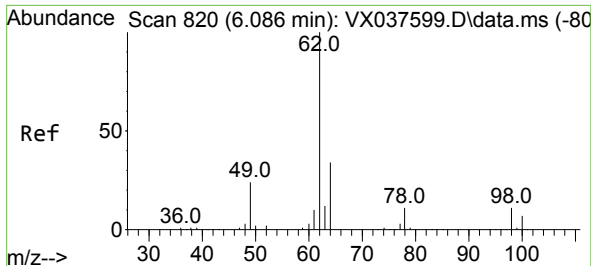
Tgt Ion: 75 Resp: 19429
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.150 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 117 Resp: 25484
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 1.352 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX037737.D

Acq: 14 Sep 2023 18:40

Instrument :

MSVOA_X

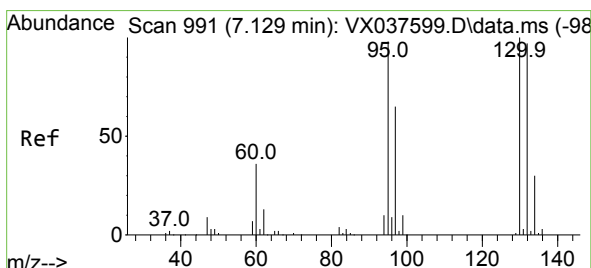
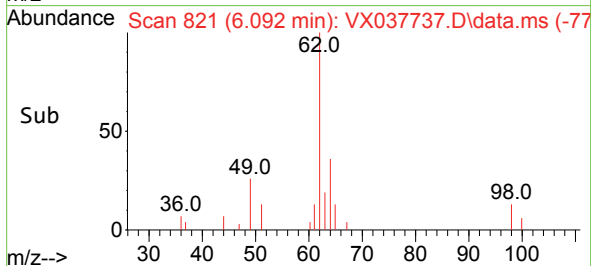
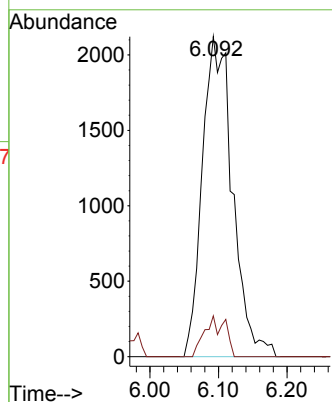
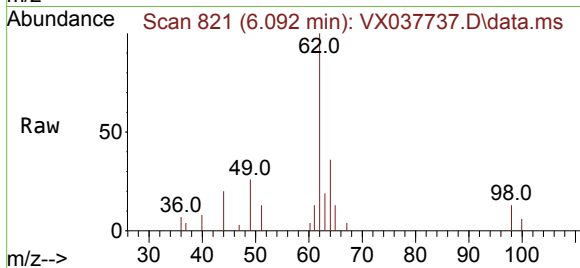
ClientSampleId :

Tgt Ion: 62 Resp: 6497

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.0



#44

Trichloroethene

Concen: 11.239 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX037737.D

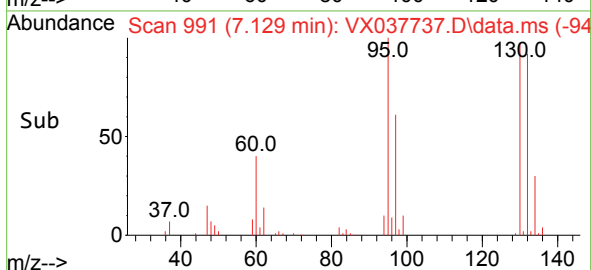
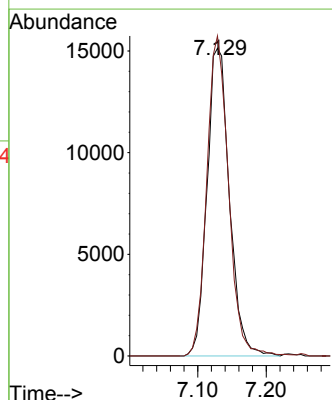
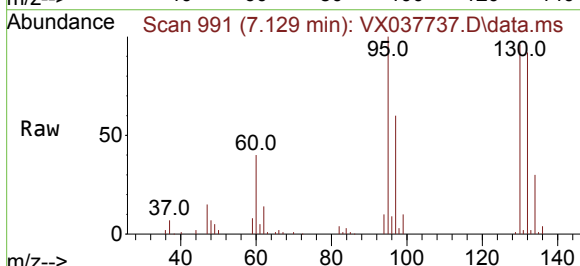
Acq: 14 Sep 2023 18:40

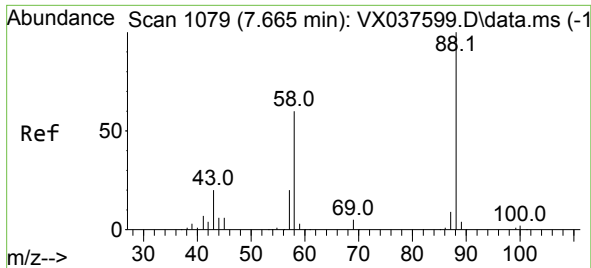
Tgt Ion:130 Resp: 34531

Ion Ratio Lower Upper

130 100

95 104.0 0.0 204.4

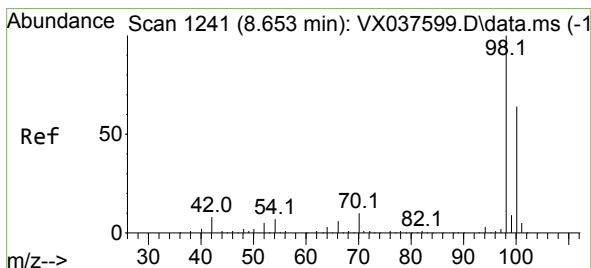
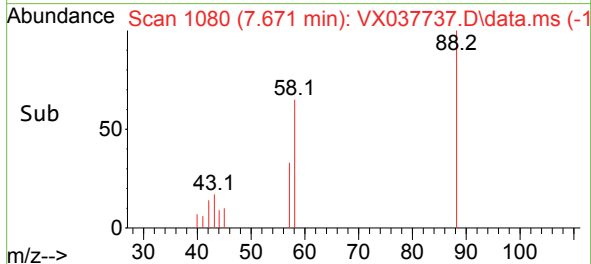
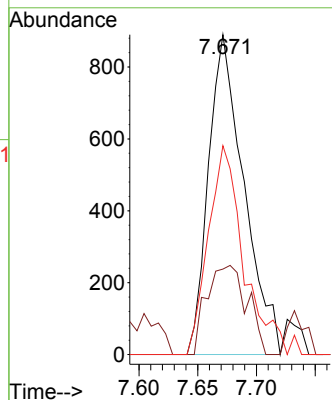
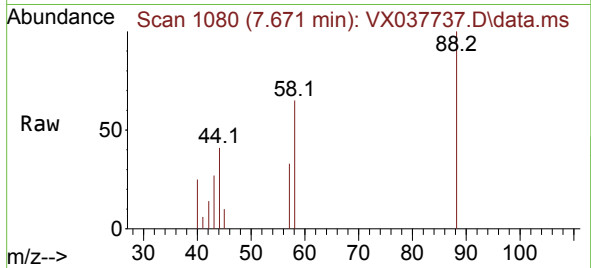




#49
1,4-Dioxane
Concen: 21.042 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

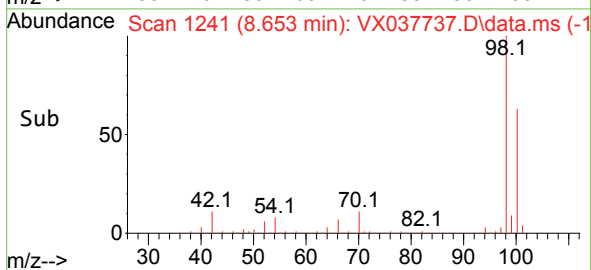
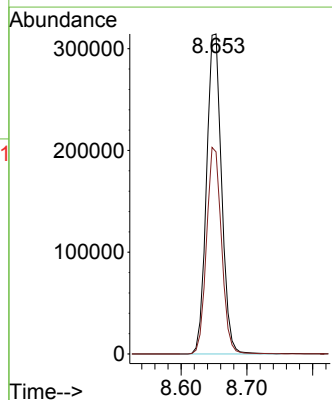
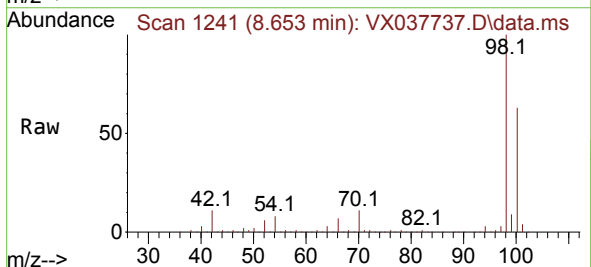
Instrument :
MSVOA_X
ClientSampleId :

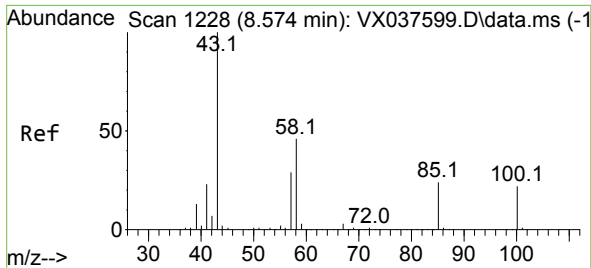
Tgt Ion: 88 Resp: 1866
Ion Ratio Lower Upper
88 100
43 31.7 0.0 0.0#
58 65.9 60.1 90.1



#50
Toluene-d8
Concen: 44.551 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 98 Resp: 500992
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

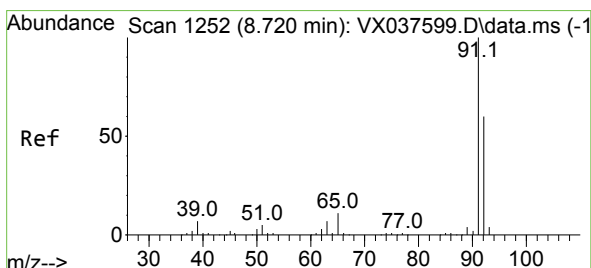
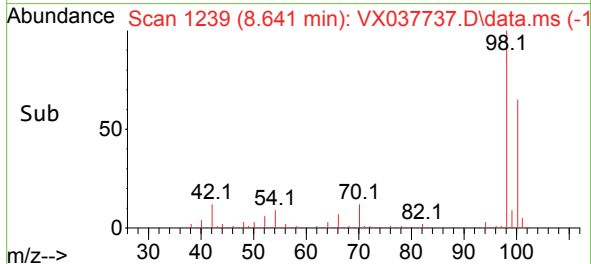
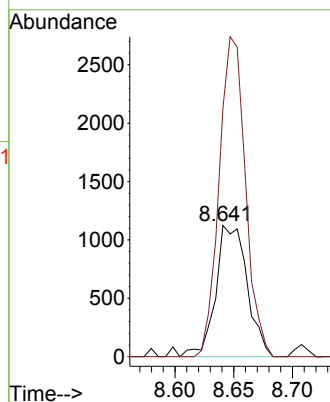
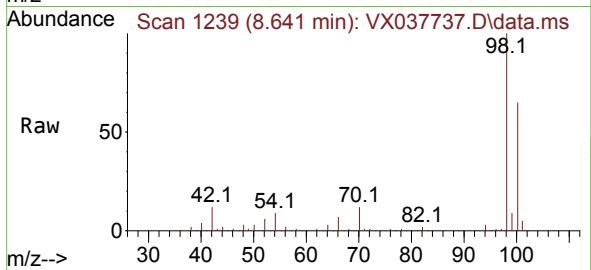




#51
4-Methyl-2-Pentanone
Concen: 0.429 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

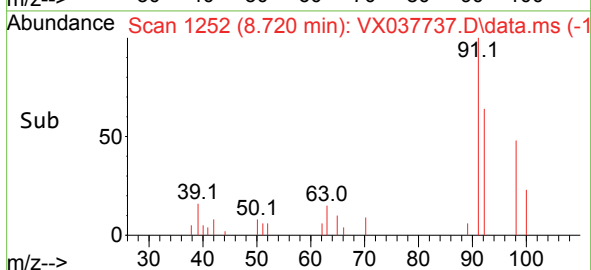
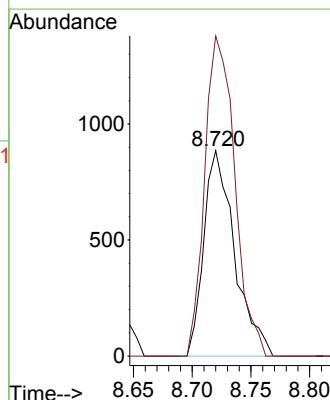
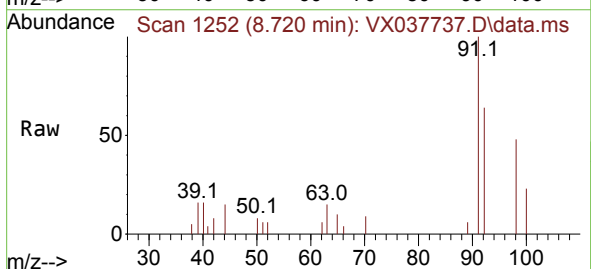
Instrument :
MSVOA_X
ClientSampleId :

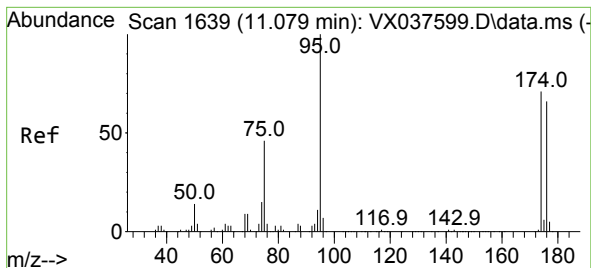
Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
58 205.2 30.4 45.6#



#52
Toluene
Concen: 0.204 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 92 Resp: 1613
Ion Ratio Lower Upper
92 100
91 152.1 134.2 201.2

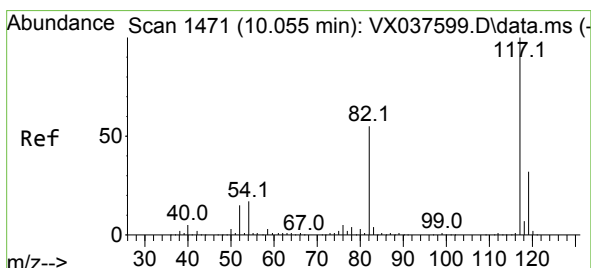
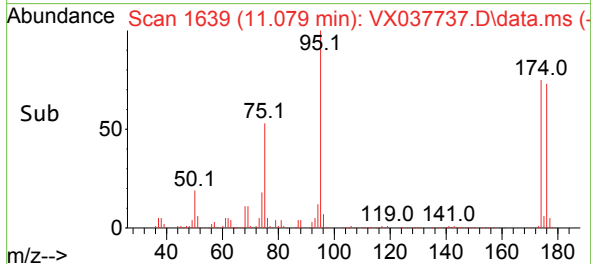
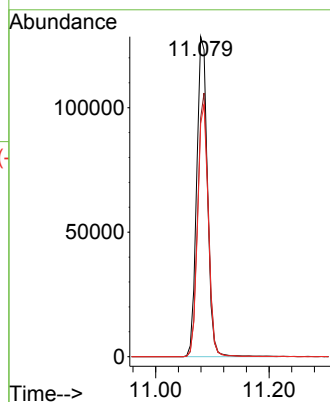
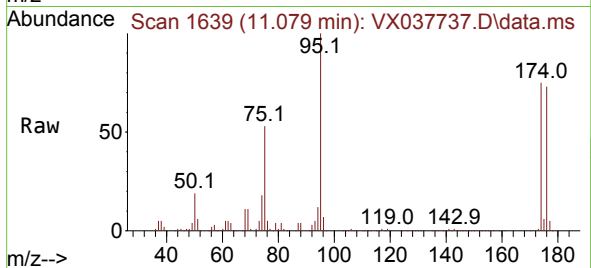




#62
4-Bromofluorobenzene
Concen: 41.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

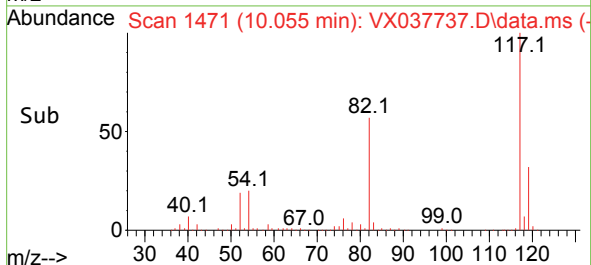
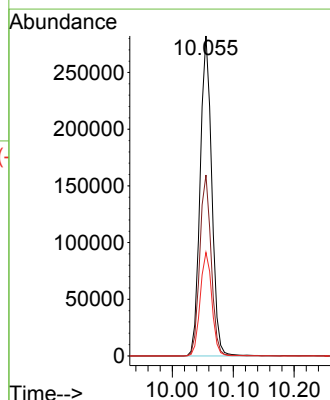
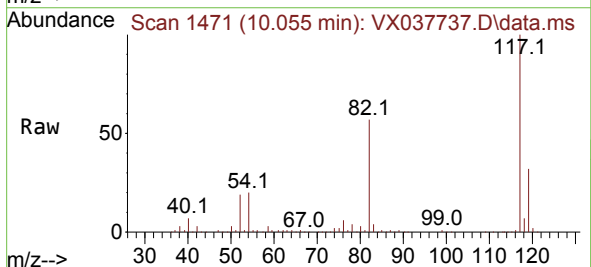
Instrument :
MSVOA_X
ClientSampleId :

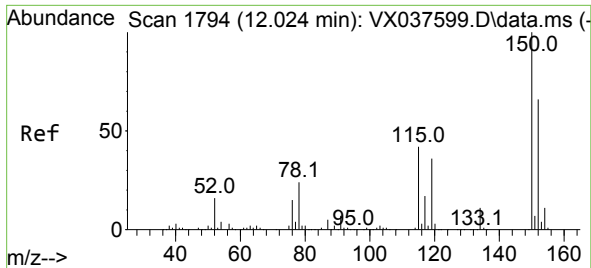
Tgt Ion: 95 Resp: 169341
Ion Ratio Lower Upper
95 100
174 81.5 0.0 135.6
176 78.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037737.D
Acq: 14 Sep 2023 18:40

Tgt Ion: 117 Resp: 372919
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.4
119 32.4 25.5 38.3

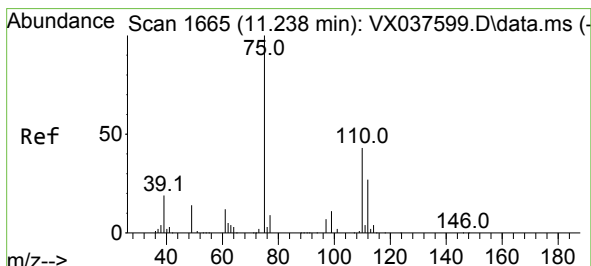
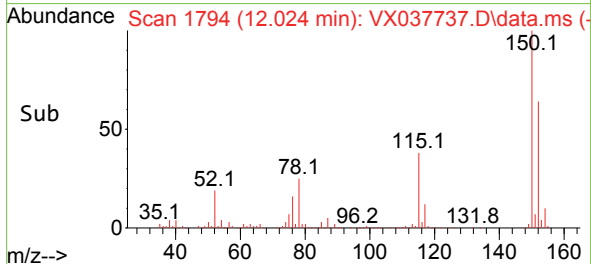
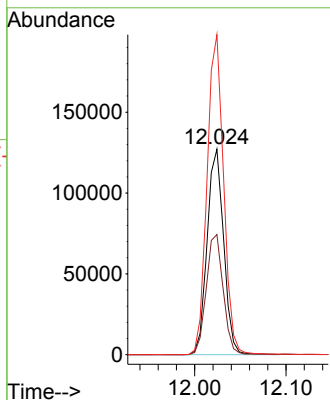
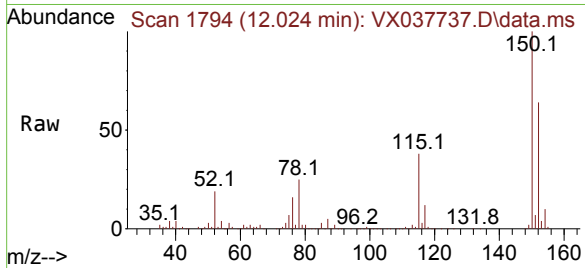




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037737.D
 Acq: 14 Sep 2023 18:40

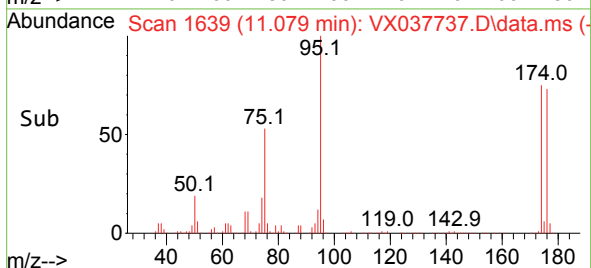
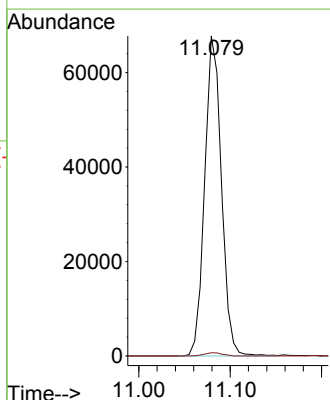
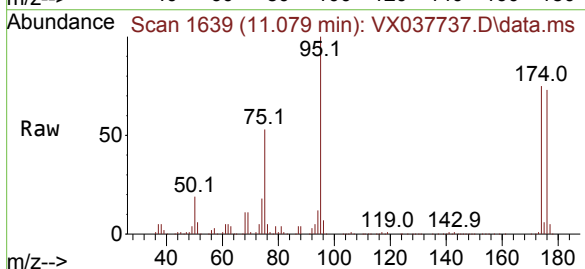
Instrument :
 MSVOA_X
 ClientSampleId :

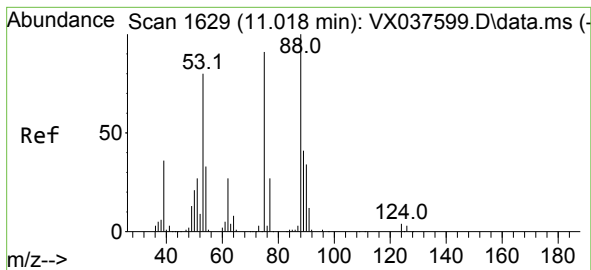
Tgt Ion:152 Resp: 159581
 Ion Ratio Lower Upper
 152 100
 115 59.9 43.3 129.9
 150 155.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.493 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037737.D
 Acq: 14 Sep 2023 18:40

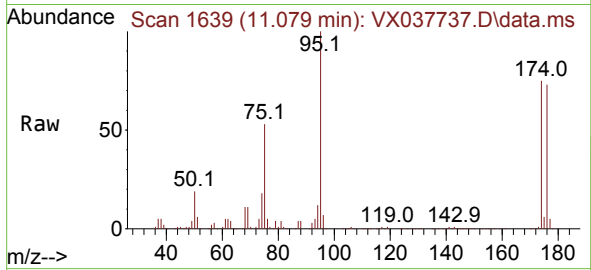
Tgt Ion: 75 Resp: 85931
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.453 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037737.D
 Acq: 14 Sep 2023 18:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 85931
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

