

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037692.D
 Acq On : 13 Sep 2023 14:04
 Operator : JC/MD
 Sample : 04373-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 02:19:59 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)

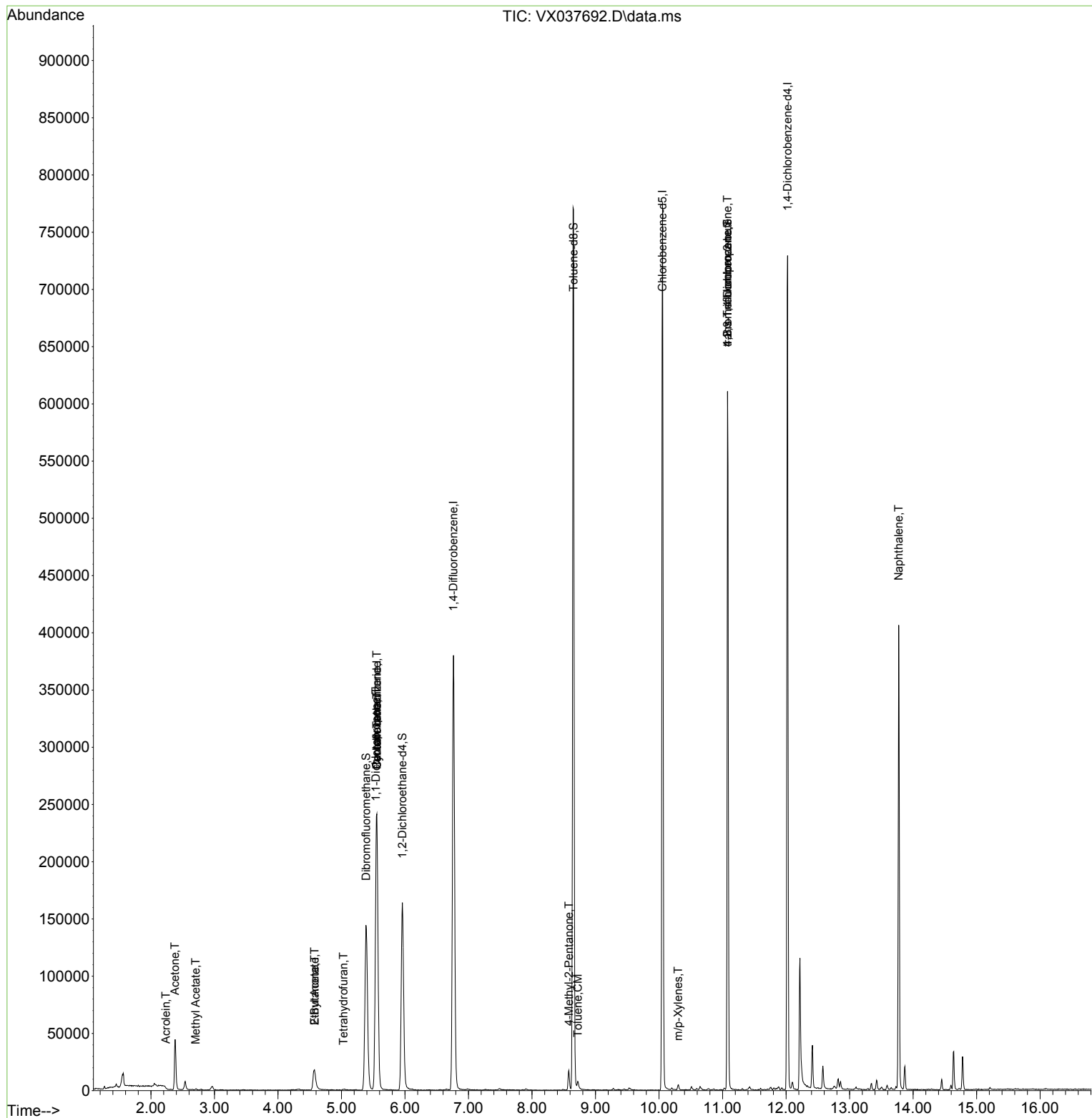
Internal Standards						
1) Pentafluorobenzene	5.556	168	227637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	391228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	349504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	149380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156128	42.391	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.780%
35) Dibromofluoromethane	5.385	113	124848	45.022	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.040%
50) Toluene-d8	8.653	98	472418	45.171	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.340%#
62) 4-Bromofluorobenzene	11.079	95	157212	41.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	3322	Below Cal		97
13) Acrolein	2.233	56	433	0.720	ug/l	92
16) Acetone	2.380	43	46149	30.994	ug/l	92
18) Methyl Acetate	2.703	43	1380	0.219	ug/l #	91
20) Methylene Chloride	2.794	84	312	Below Cal	#	65
25) 2-Butanone	4.574	43	25524	10.513	ug/l	92
29) Tetrahydrofuran	5.032	42	443	0.287	ug/l #	41
31) Cyclohexane	5.556	56	5286	1.246	ug/l #	10
36) 1,1-Dichloropropene	5.544	75	19407	5.144	ug/l #	50
37) Ethyl Acetate	4.574	43	25524	5.913	ug/l #	69
38) Carbon Tetrachloride	5.556	117	24436	6.341	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	10253	2.267	ug/l	97
52) Toluene	8.720	92	2183	0.297	ug/l	76
68) m/p-Xylenes	10.299	106	1101	0.218	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	84274	25.661	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	84274	78.004	ug/l #	5
95) Naphthalene	13.774	128	244401	22.251	ug/l	98

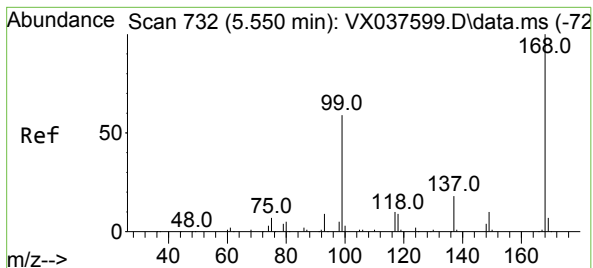
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

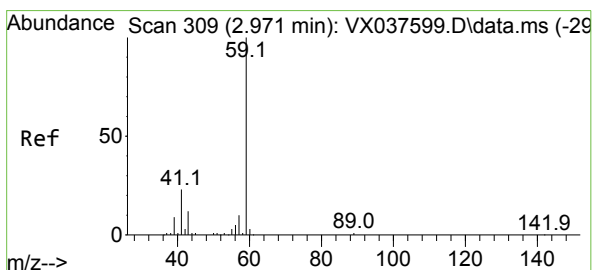
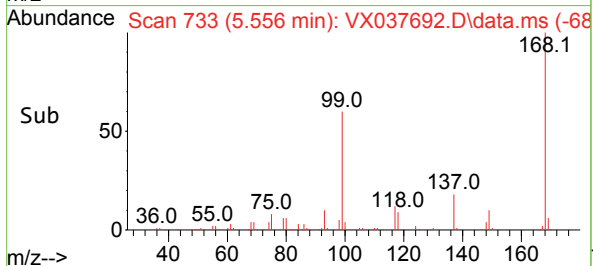
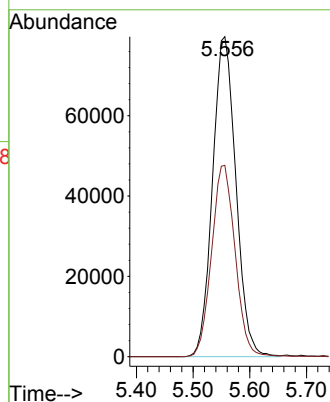
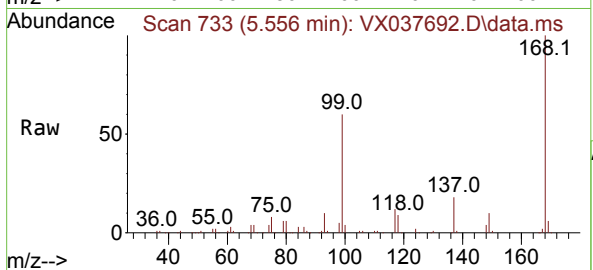
ClientSampleId :

Tgt Ion:168 Resp: 227637

Ion Ratio Lower Upper

168 100

99 59.8 56.6 85.0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.959 min Scan# 307

Delta R.T. -0.012 min

Lab File: VX037692.D

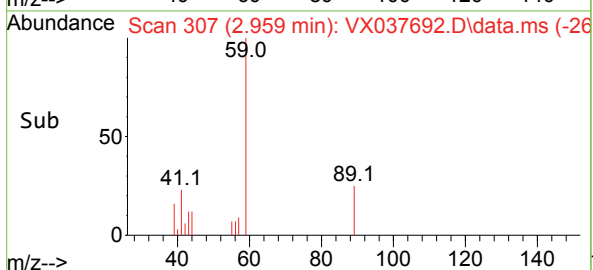
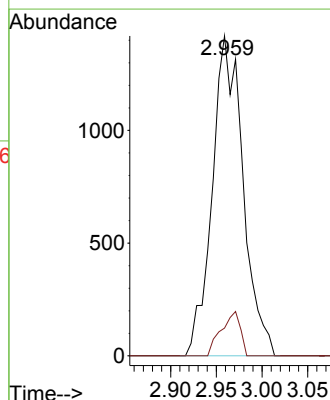
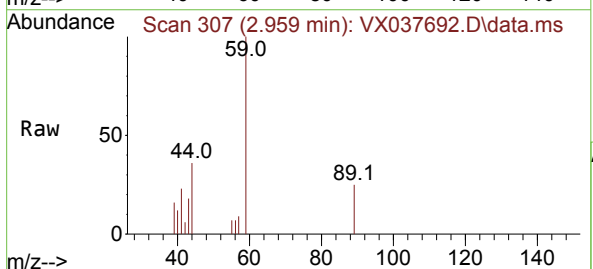
Acq: 13 Sep 2023 14:04

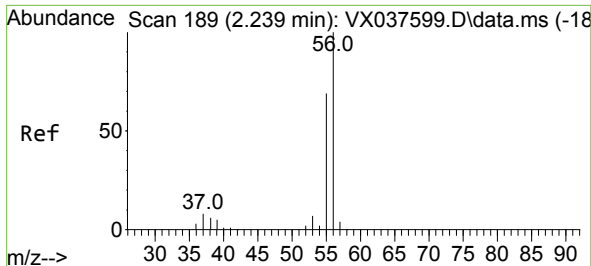
Tgt Ion: 59 Resp: 3322

Ion Ratio Lower Upper

59 100

57 8.6 6.0 9.0

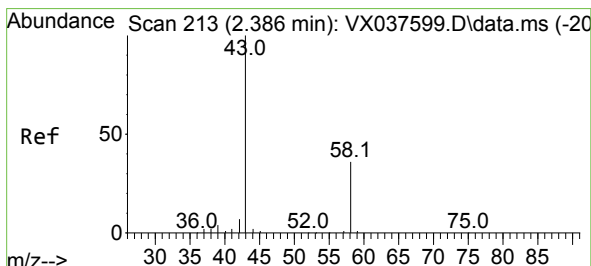
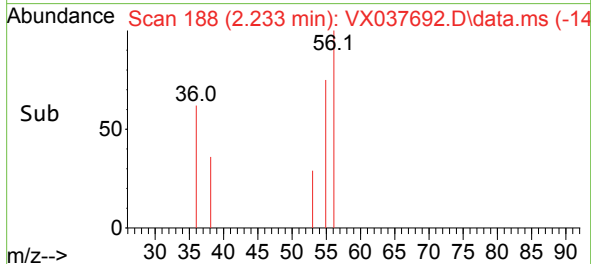
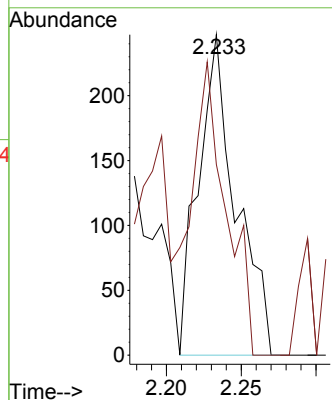
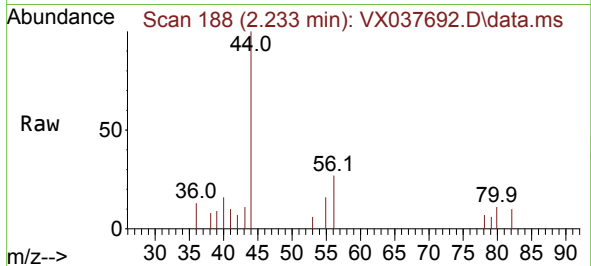




#13
Acrolein
Concen: 0.720 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

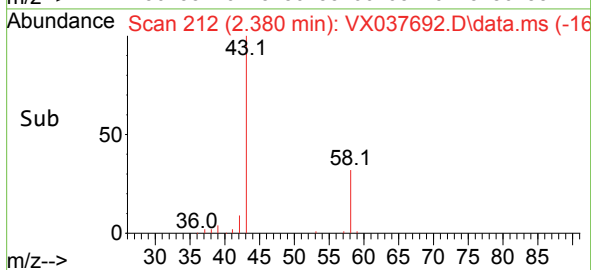
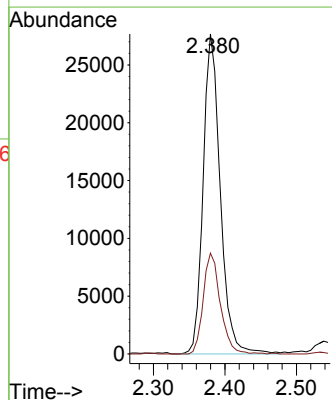
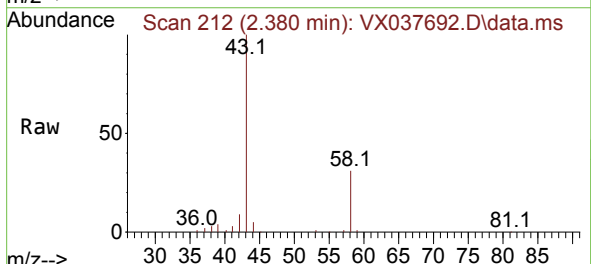
Instrument :
MSVOA_X
ClientSampleId :

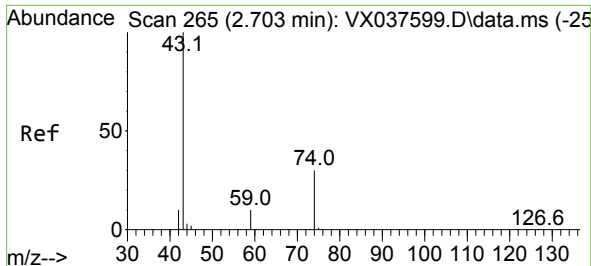
Tgt Ion: 56 Resp: 433
Ion Ratio Lower Upper
56 100
55 78.3 57.1 85.7



#16
Acetone
Concen: 30.994 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 43 Resp: 46149
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9

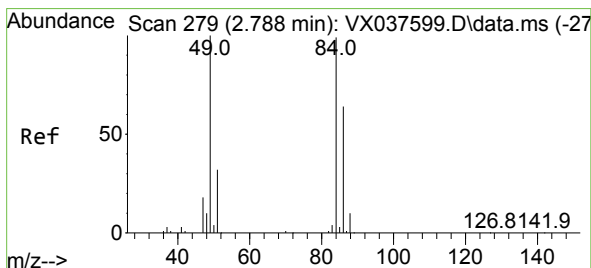
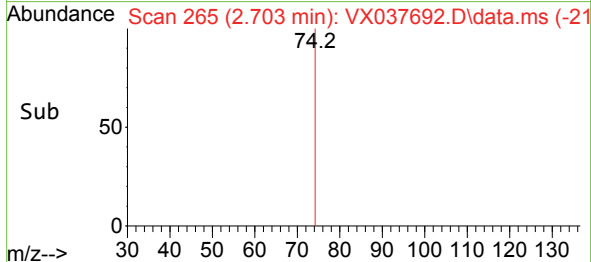
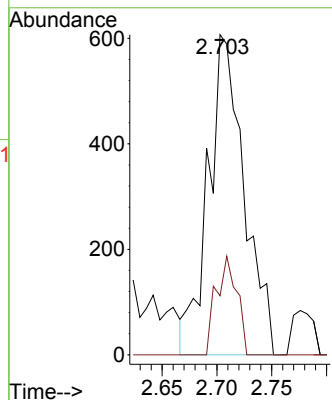
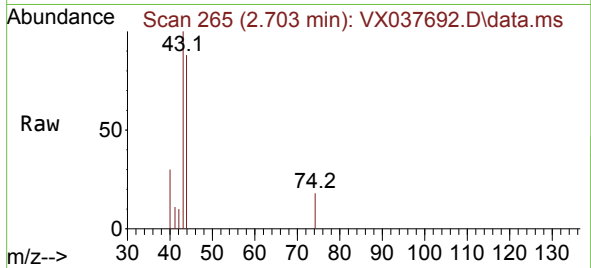




#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

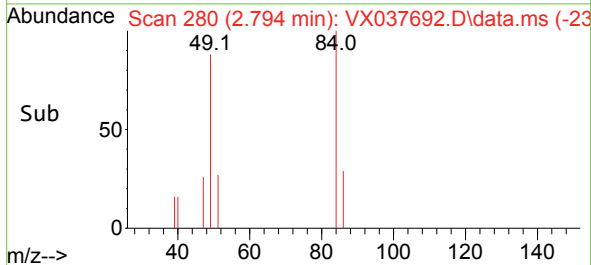
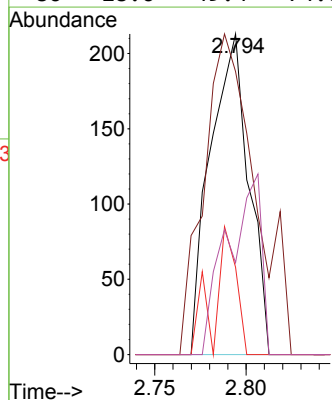
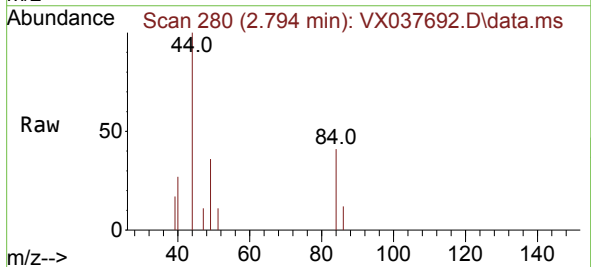
Instrument :
MSVOA_X
ClientSampleId :

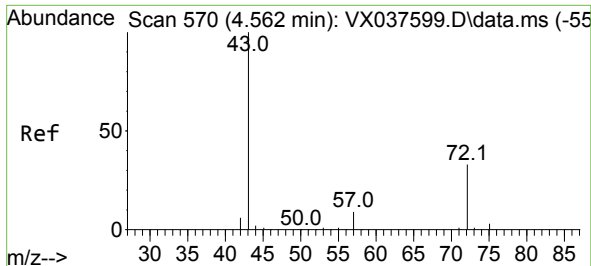
Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
74 17.8 17.8 26.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 84 Resp: 312
Ion Ratio Lower Upper
84 100
49 88.3 103.6 155.4#
51 27.2 33.8 50.6#
86 28.6 49.4 74.0#





#25

2-Butanone

Concen: 10.513 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

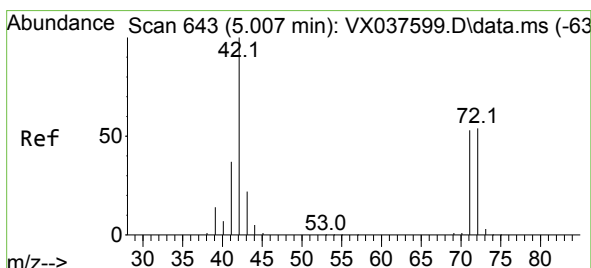
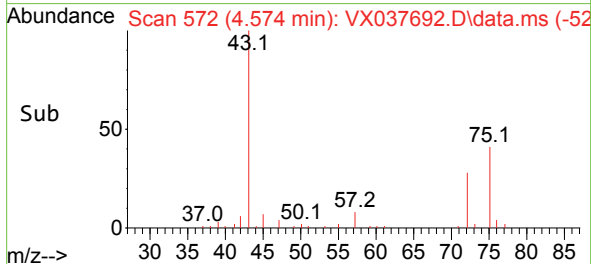
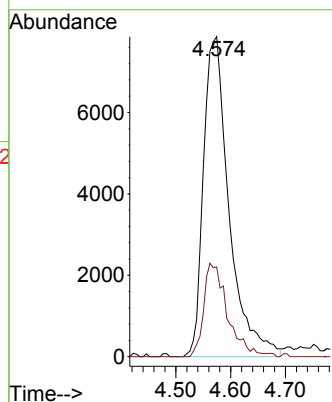
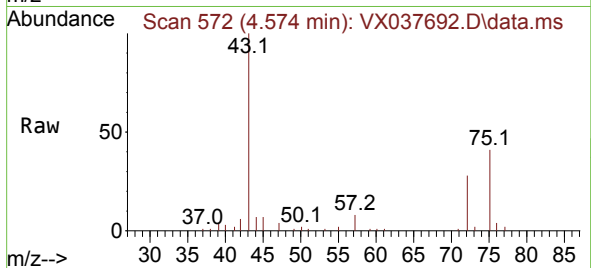
ClientSampleId :

Tgt Ion: 43 Resp: 25524

Ion Ratio Lower Upper

43 100

72 28.0 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.287 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

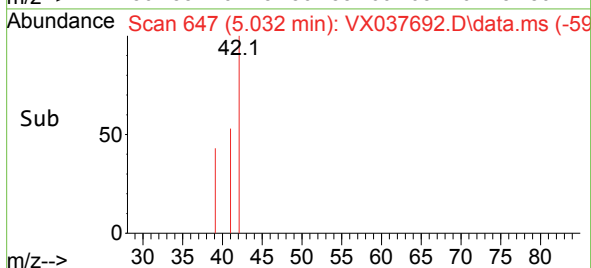
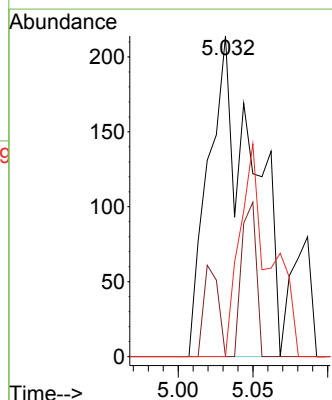
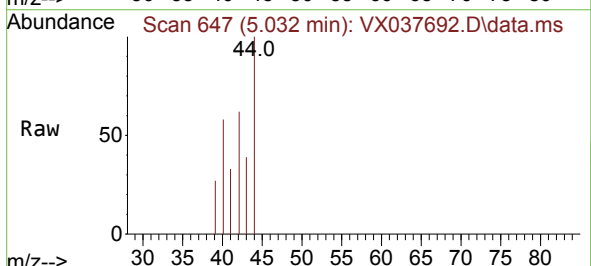
Tgt Ion: 42 Resp: 443

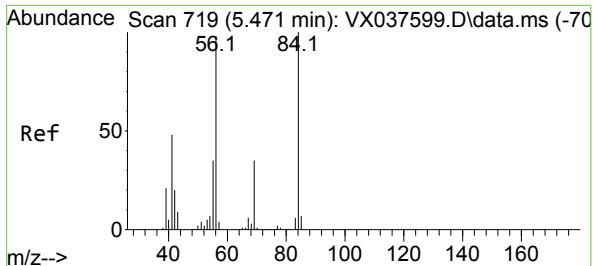
Ion Ratio Lower Upper

42 100

72 9.3 34.2 51.4#

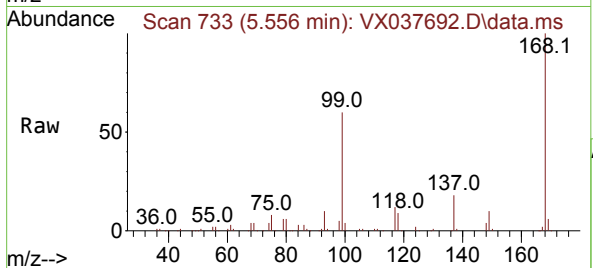
71 0.0 32.2 48.2#



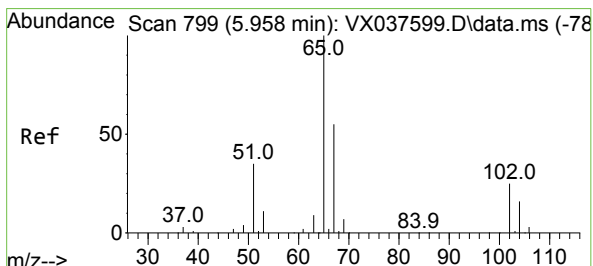
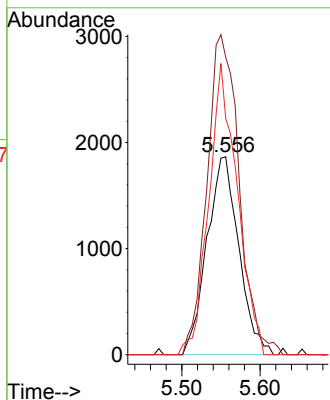
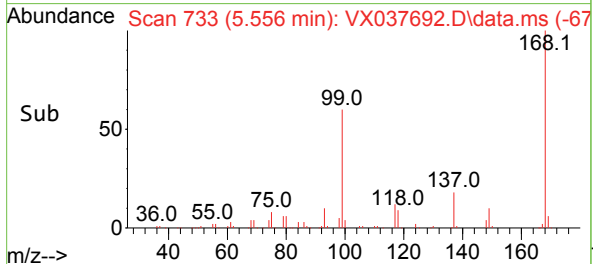


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Instrument :
MSVOA_X
ClientSampleId :

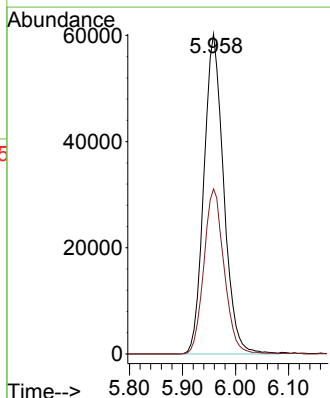
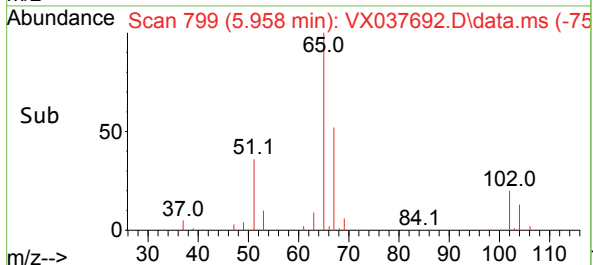
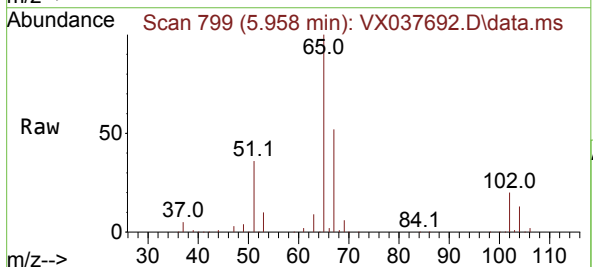


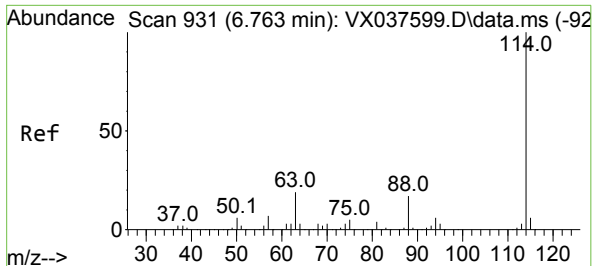
Tgt Ion: 56 Resp: 5286
Ion Ratio Lower Upper
56 100
69 150.2 23.4 35.2#
84 119.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.391 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

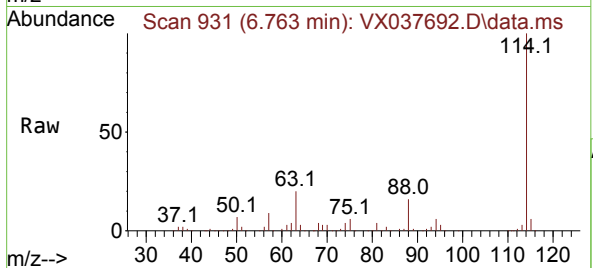
Tgt Ion: 65 Resp: 156128
Ion Ratio Lower Upper
65 100
67 52.6 0.0 100.2



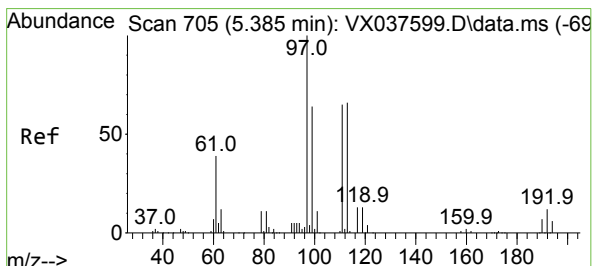
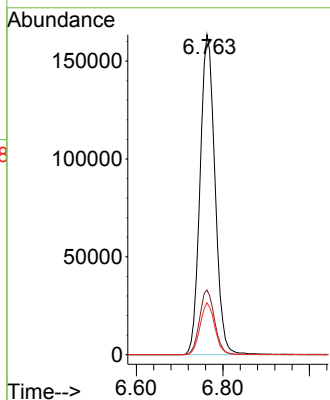
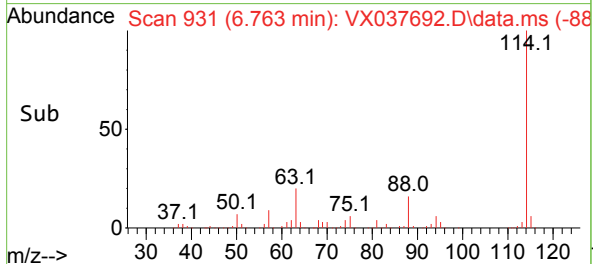


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Instrument :
MSVOA_X
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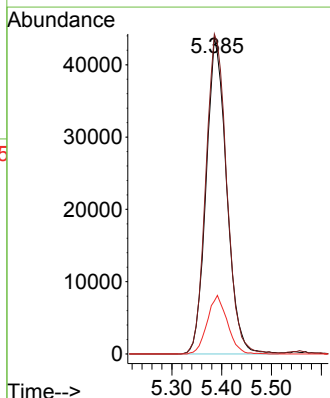
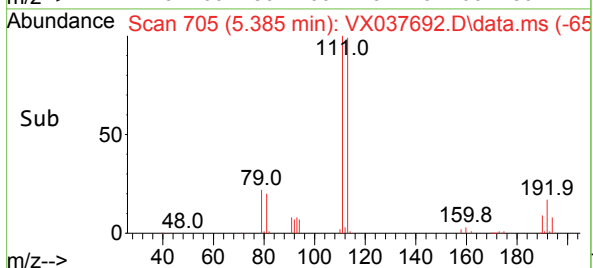
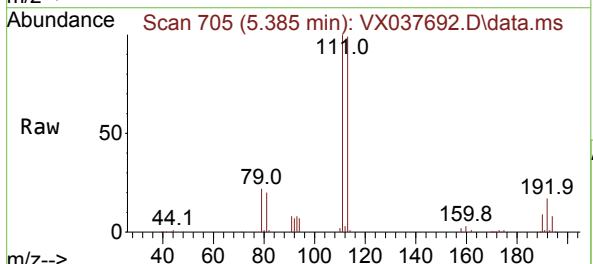


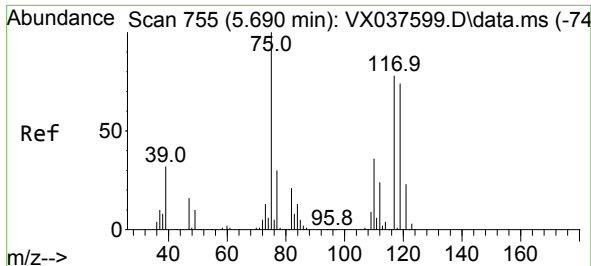
Tgt Ion:114 Resp: 391228
Ion Ratio Lower Upper
114 100
63 20.2 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.022 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion:113 Resp: 124848
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.2 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.144 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

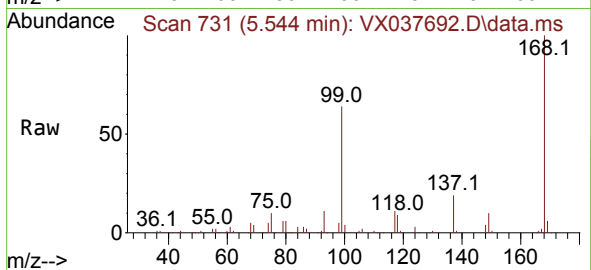
Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :



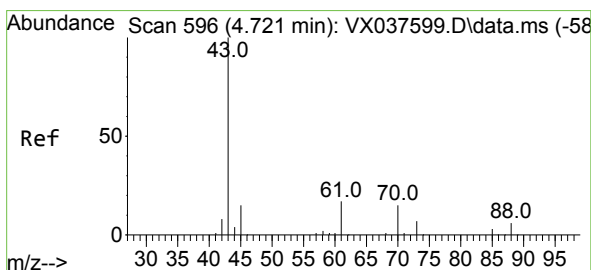
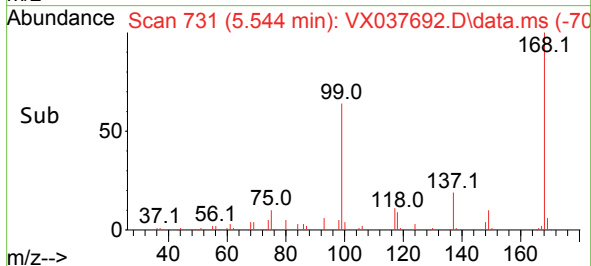
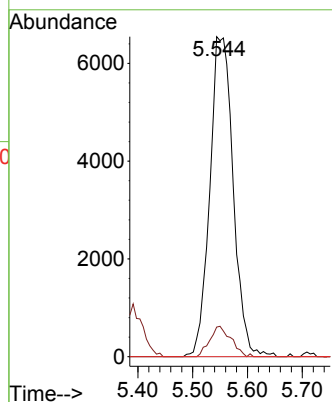
Tgt Ion: 75 Resp: 19407

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 5.913 ug/l

RT: 4.574 min Scan# 572

Delta R.T. -0.146 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

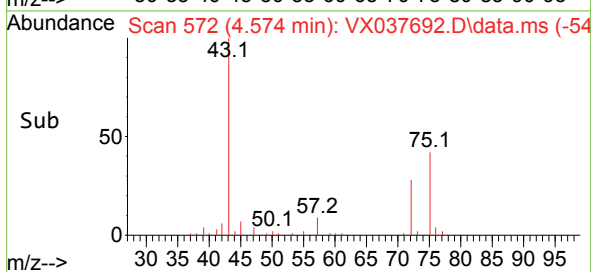
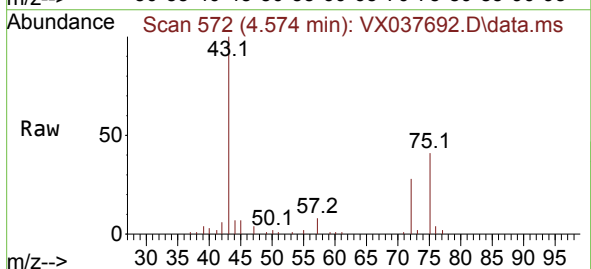
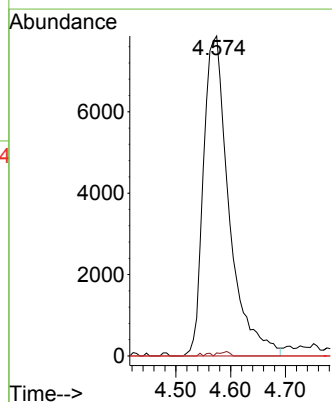
Tgt Ion: 43 Resp: 25524

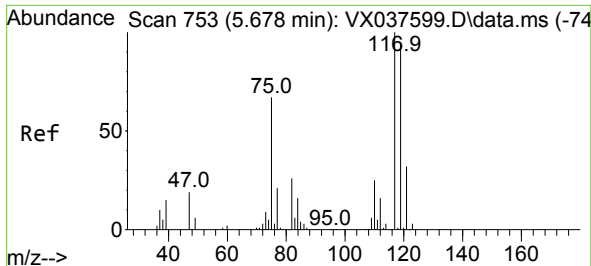
Ion Ratio Lower Upper

43 100

61 0.2 10.6 16.0#

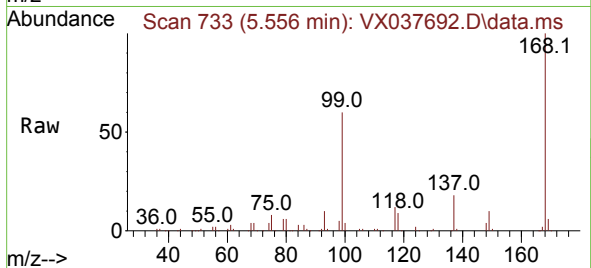
70 0.0 8.3 12.5#



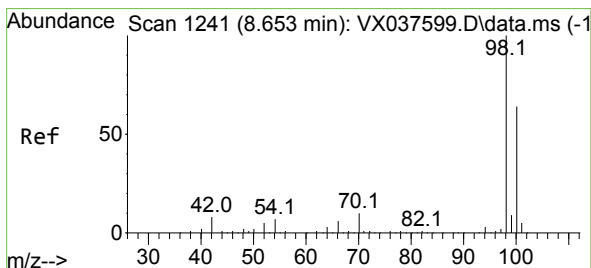
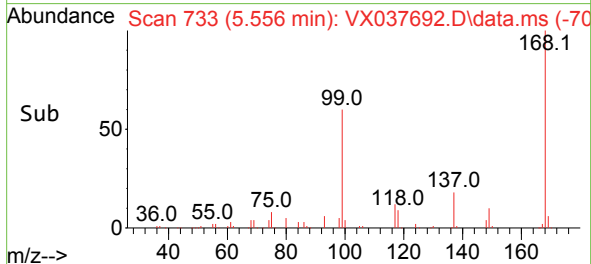
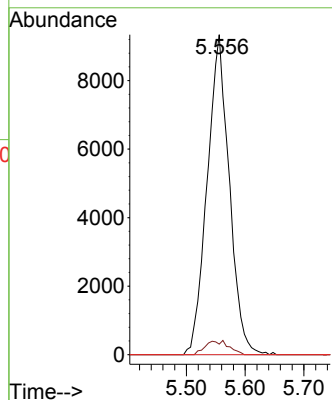


#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Instrument :
MSVOA_X
ClientSampleId :

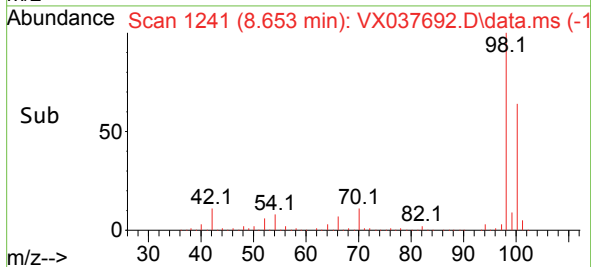
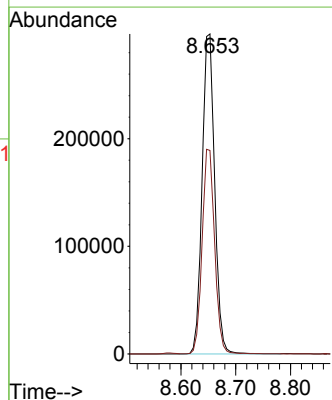
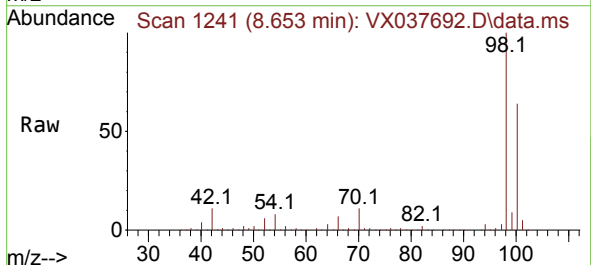


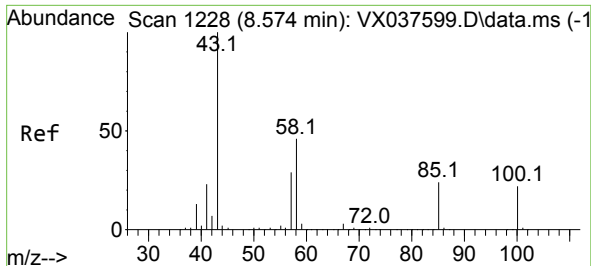
Tgt Ion:117 Resp: 24436
Ion Ratio Lower Upper
117 100
119 3.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.171 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 98 Resp: 472418
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7

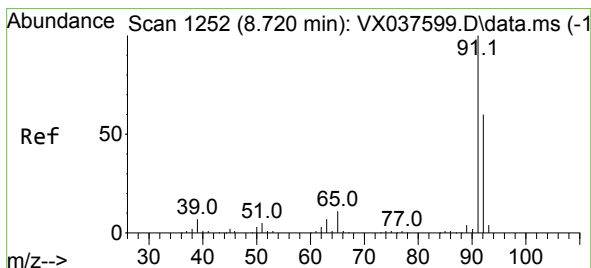
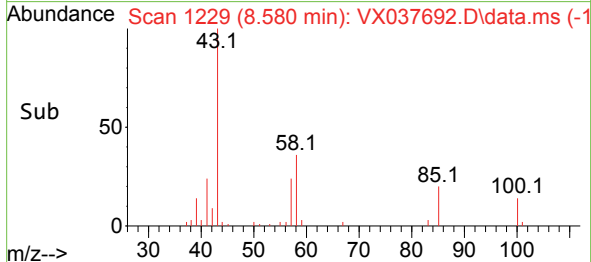
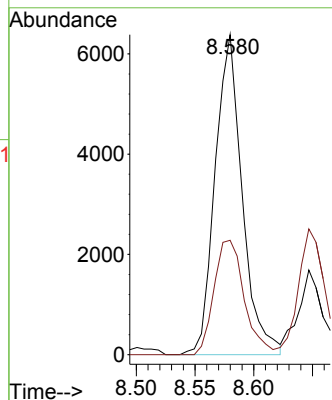
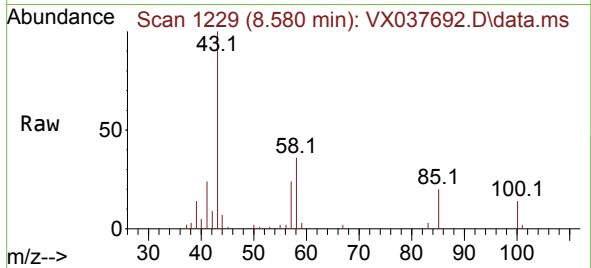




#51
4-Methyl-2-Pentanone
Concen: 2.267 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

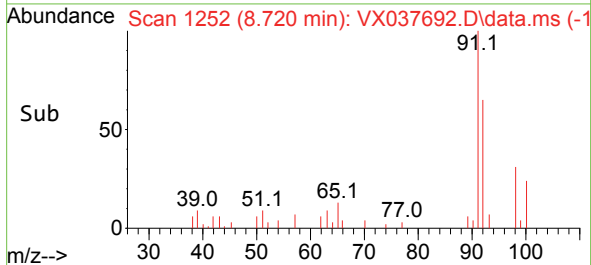
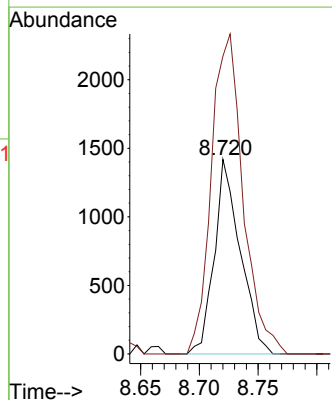
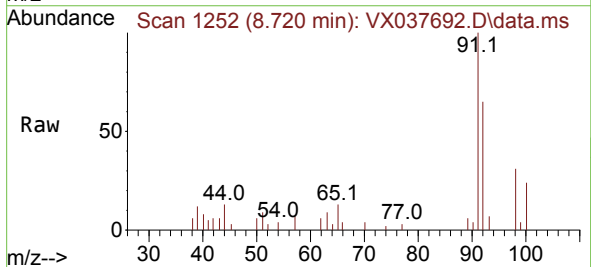
Instrument :
MSVOA_X
ClientSampleId :

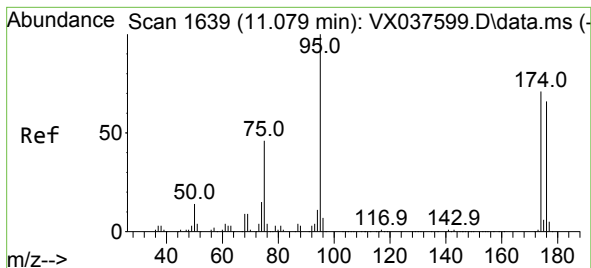
Tgt Ion: 43 Resp: 10253
Ion Ratio Lower Upper
43 100
58 39.7 30.4 45.6



#52
Toluene
Concen: 0.297 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 92 Resp: 2183
Ion Ratio Lower Upper
92 100
91 200.8 134.2 201.2

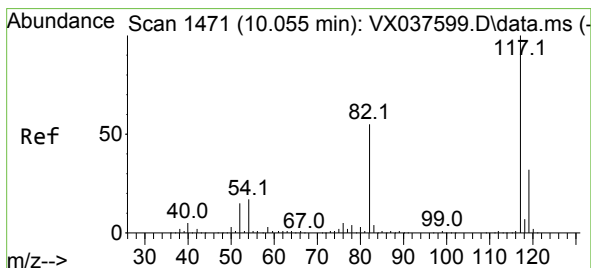
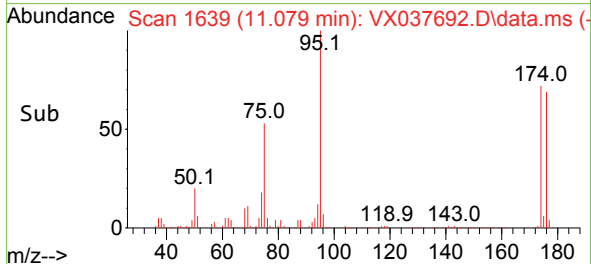
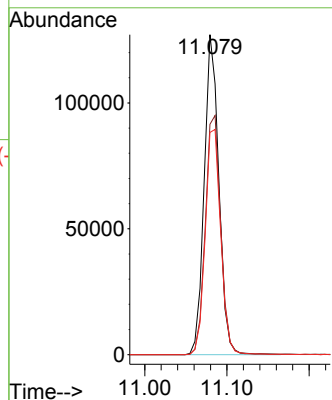
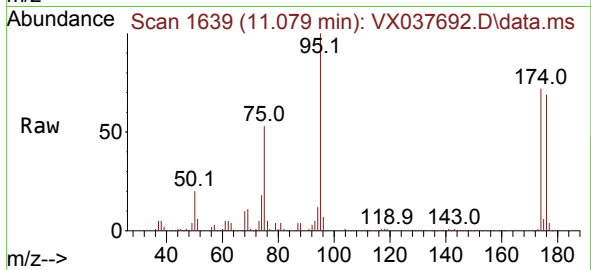




#62
4-Bromofluorobenzene
Concen: 41.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

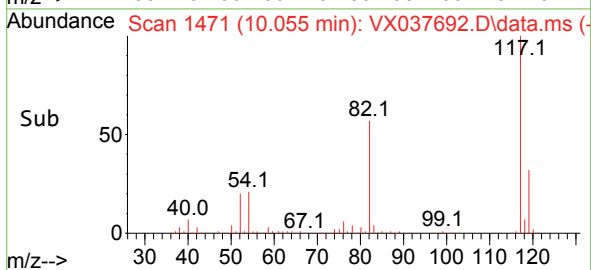
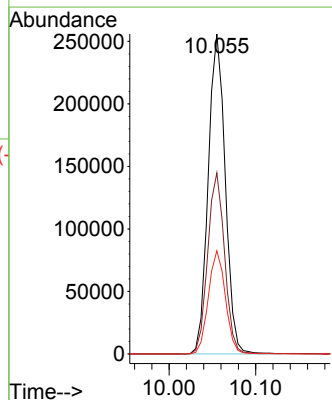
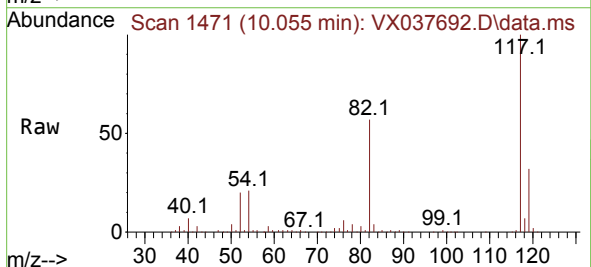
Instrument :
MSVOA_X
ClientSampleId :

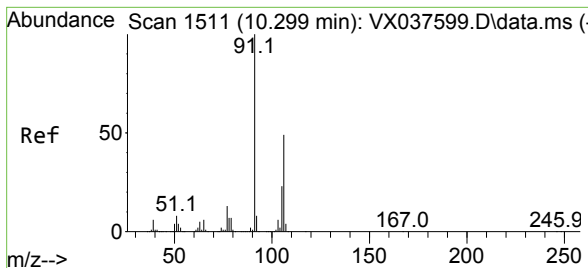
Tgt Ion: 95 Resp: 157212
Ion Ratio Lower Upper
95 100
174 78.9 0.0 135.6
176 74.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion: 117 Resp: 349504
Ion Ratio Lower Upper
117 100
82 56.6 46.2 69.4
119 32.3 25.5 38.3

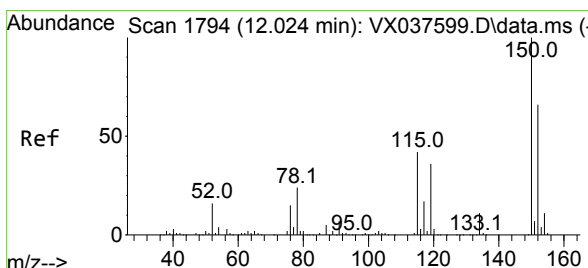
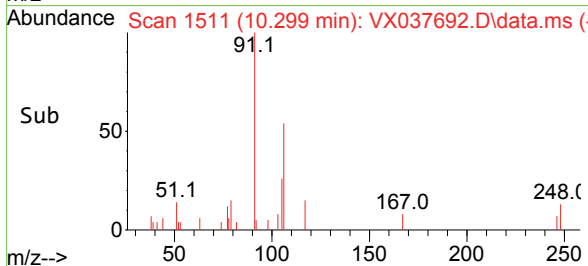
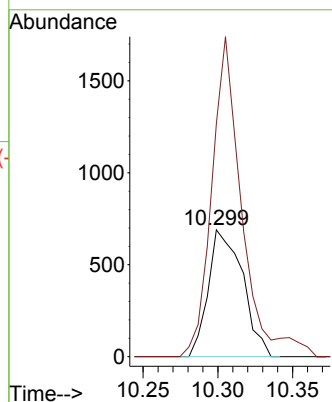
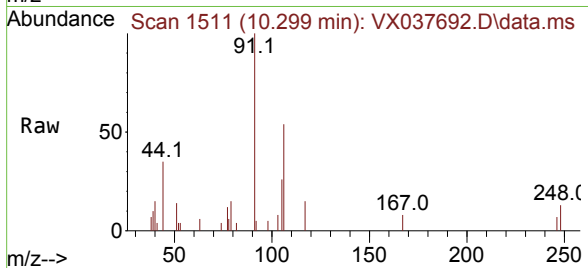




#68
m/p-Xylenes
Concen: 0.218 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

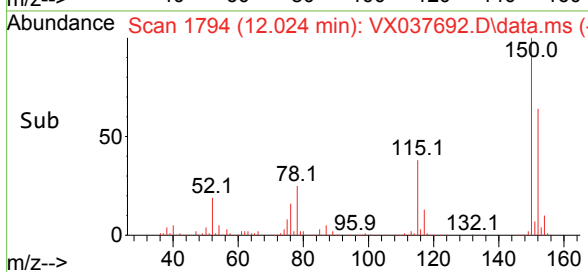
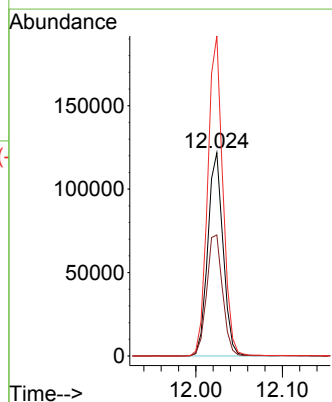
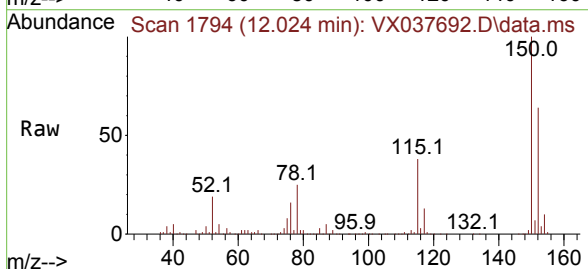
Instrument :
MSVOA_X
ClientSampleId :

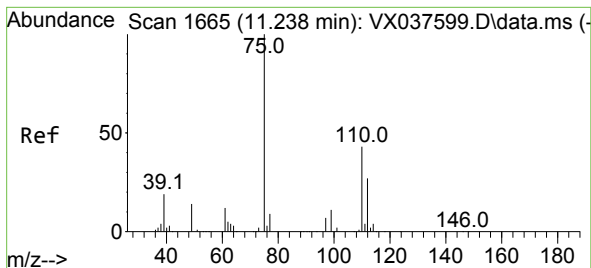
Tgt Ion:106 Resp: 1101
Ion Ratio Lower Upper
106 100
91 220.1 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037692.D
Acq: 13 Sep 2023 14:04

Tgt Ion:152 Resp: 149380
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 155.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.661 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

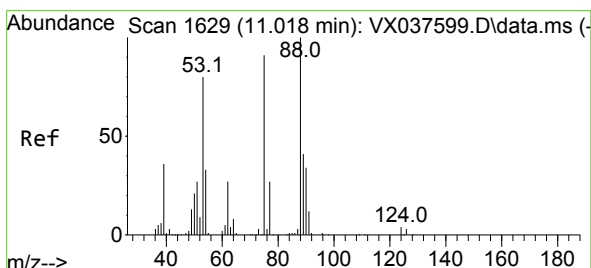
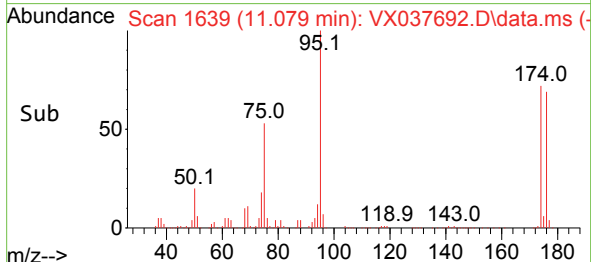
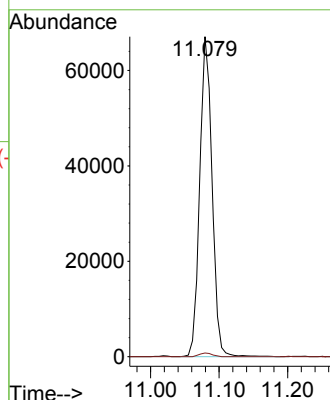
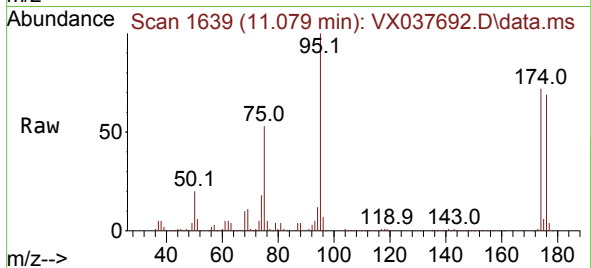
ClientSampleId :

Tgt Ion: 75 Resp: 84274

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.004 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

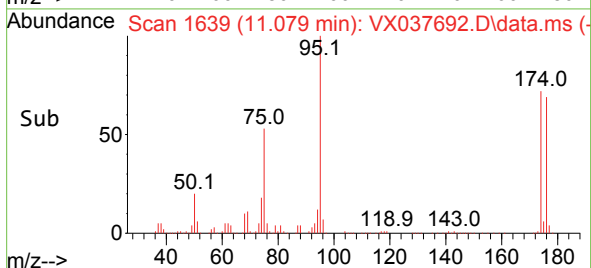
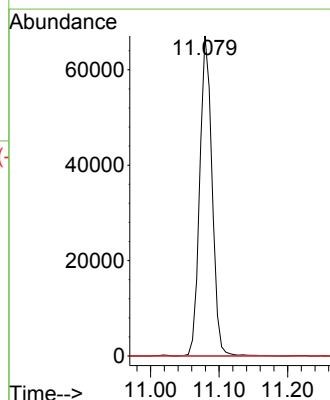
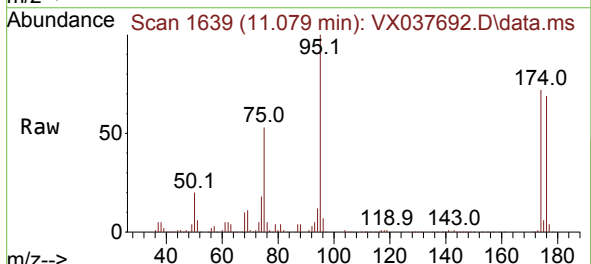
Tgt Ion: 75 Resp: 84274

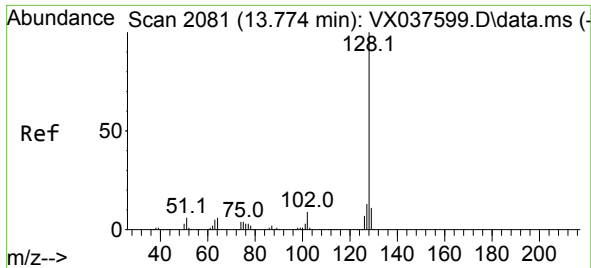
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 22.251 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

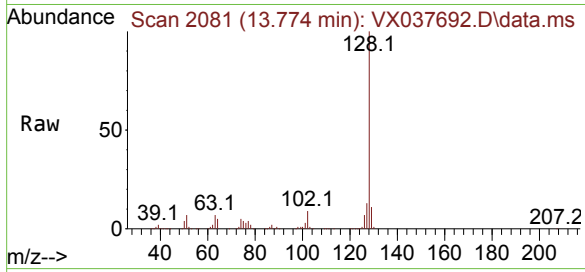
Lab File: VX037692.D

Acq: 13 Sep 2023 14:04

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 244401

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.4 8.8 13.2

