

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
 Data File : VX037503.D
 Acq On : 05 Sep 2023 11:24
 Operator : JC/MD
 Sample : VX0905WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 06 02:50:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

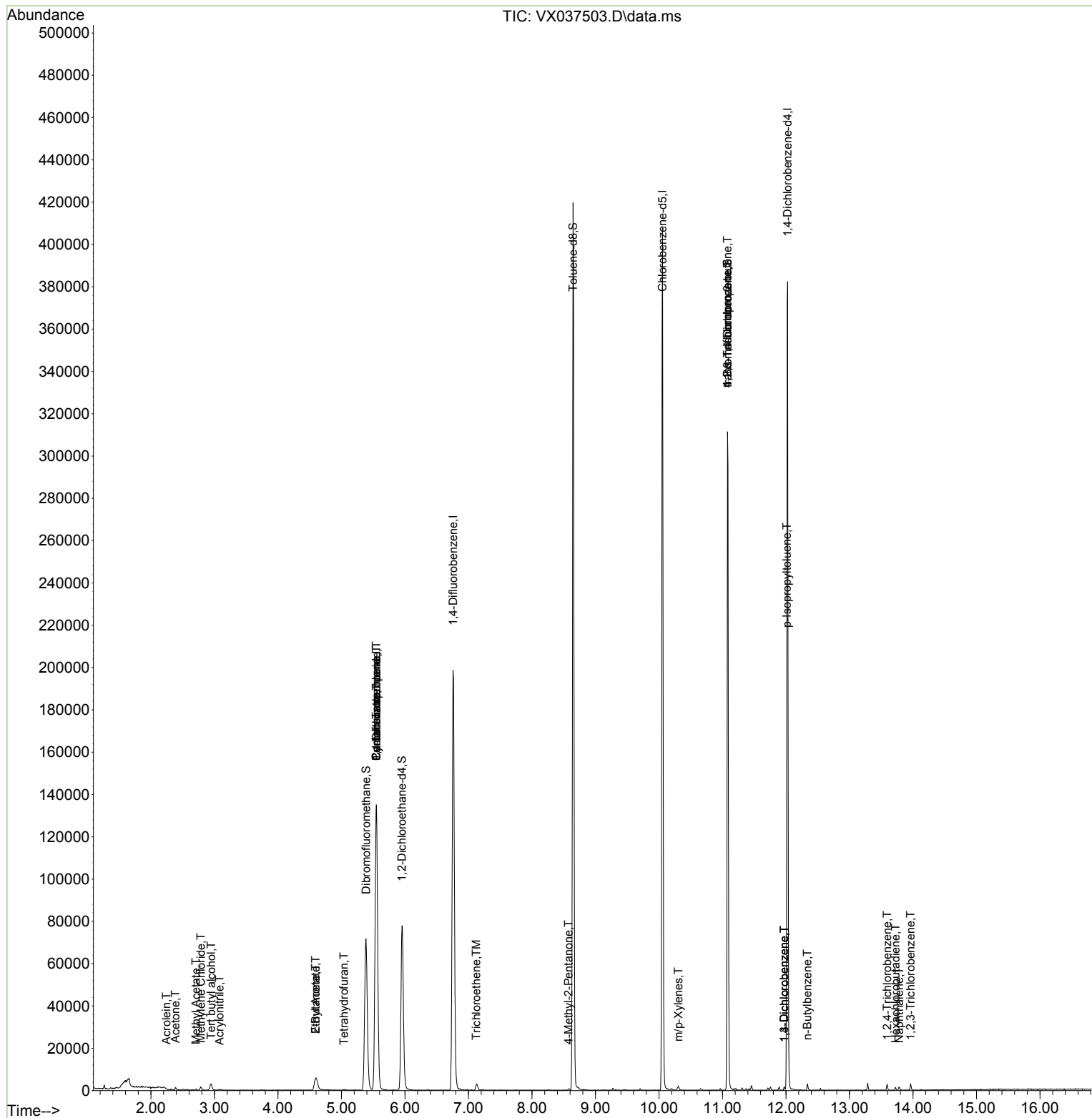
Internal Standards						
1) Pentafluorobenzene	5.550	168	131826	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	215644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77348	40.699	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	81.400%		
35) Dibromofluoromethane	5.385	113	65234	45.677	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.360%		
50) Toluene-d8	8.647	98	252815	48.801	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.600%		
62) 4-Bromofluorobenzene	11.079	95	90927	44.663	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.320%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2104	4.719	ug/l #	78
13) Acrolein	2.240	56	214	0.631	ug/l	87
15) Acrylonitrile	3.081	53	280	0.352	ug/l #	82
16) Acetone	2.386	43	1093	1.470	ug/l	92
18) Methyl Acetate	2.709	43	599	0.214	ug/l #	85
20) Methylene Chloride	2.788	84	872	0.524	ug/l #	82
25) 2-Butanone	4.593	43	652	0.582	ug/l #	51
29) Tetrahydrofuran	5.038	42	186	0.261	ug/l #	67
31) Cyclohexane	5.550	56	2359	1.104	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9915	4.887	ug/l #	51
37) Ethyl Acetate	4.593	43	652	0.315	ug/l #	78
38) Carbon Tetrachloride	5.550	117	13419	6.088	ug/l #	14
44) Trichloroethene	7.123	130	1504	0.911	ug/l	86
51) 4-Methyl-2-Pentanone	8.574	43	557	0.279	ug/l	98
68) m/p-Xylenes	10.305	106	593	0.215	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	45190	24.692	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45190	68.966	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1044	0.209	ug/l #	75
87) 1,3-Dichlorobenzene	11.969	146	704	0.246	ug/l	91
88) 1,4-Dichlorobenzene	11.969	146	704	0.239	ug/l	92
89) n-Butylbenzene	12.335	91	1173	0.283	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	838	0.512	ug/l	91
94) Hexachlorobutadiene	13.725	225	339	0.536	ug/l	85
95) Naphthalene	13.780	128	1490	0.208	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	838	0.515	ug/l	98

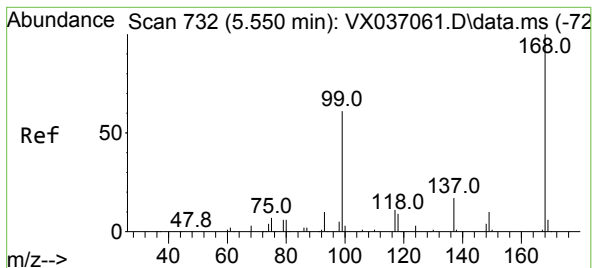
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090523\
Data File : VX037503.D
Acq On : 05 Sep 2023 11:24
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ClientSampleId :

Quant Time: Sep 06 02:50:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

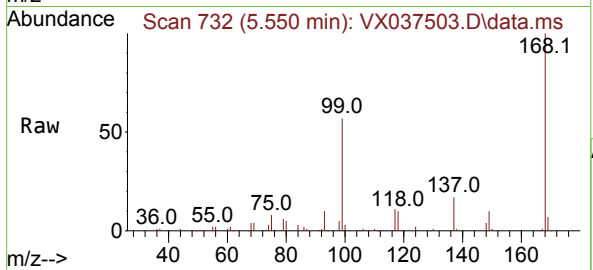
Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

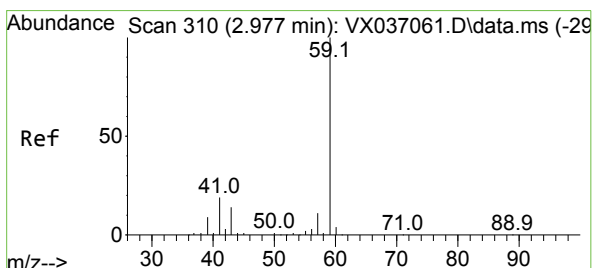
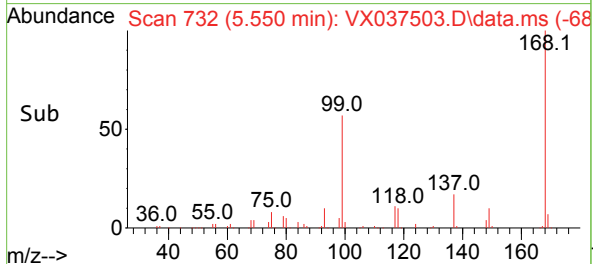
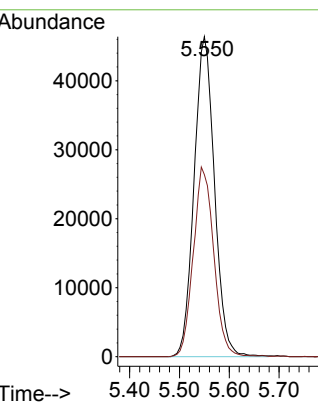


Tgt Ion:168 Resp: 131826

Ion Ratio Lower Upper

168 100

99 56.9 56.6 85.0



#11

Tert butyl alcohol

Concen: 4.719 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037503.D

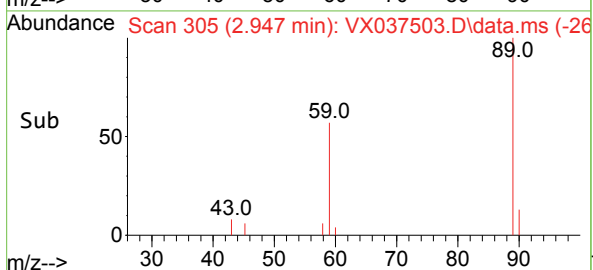
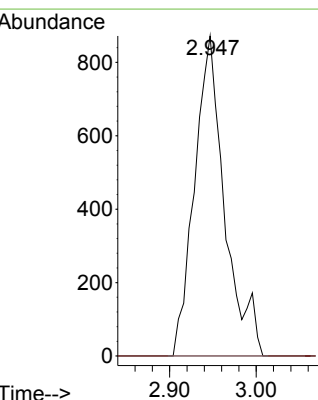
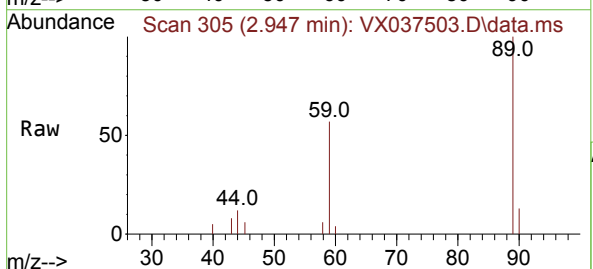
Acq: 05 Sep 2023 11:24

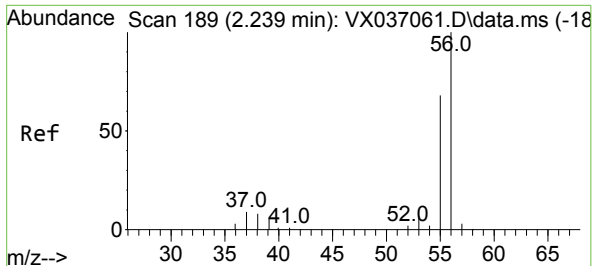
Tgt Ion: 59 Resp: 2104

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.631 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.000 min

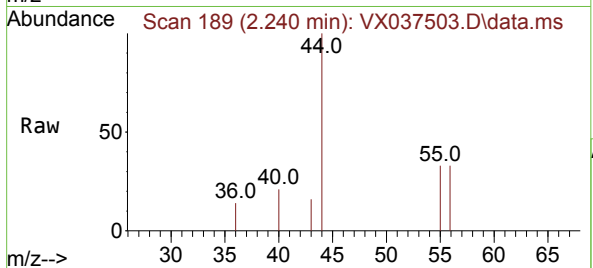
Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

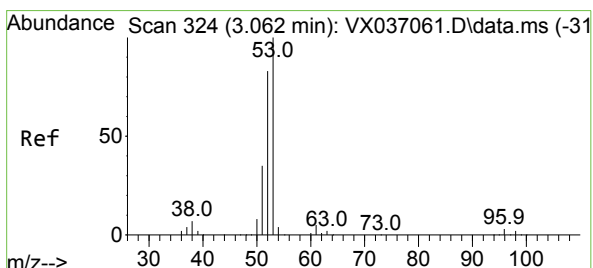
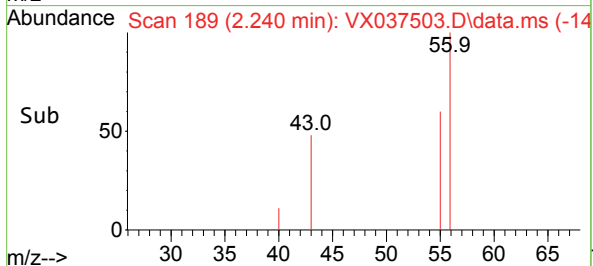
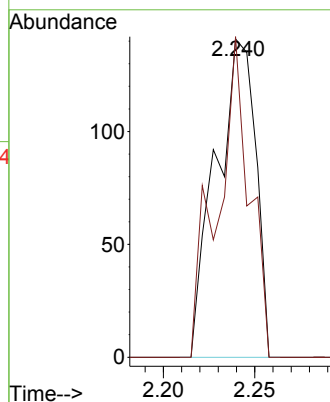


Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

56 100

55 81.8 57.1 85.7



#15

Acrylonitrile

Concen: 0.352 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.018 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

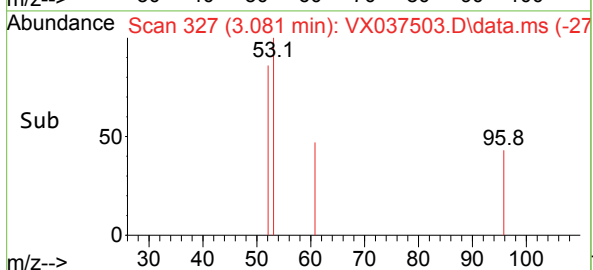
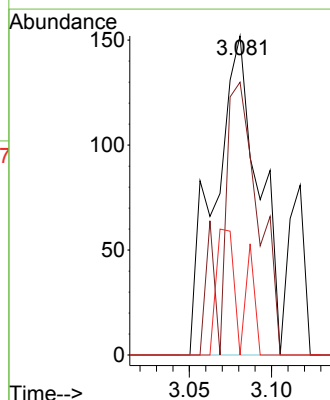
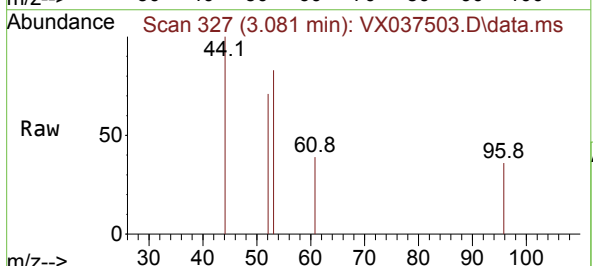
Tgt Ion: 53 Resp: 280

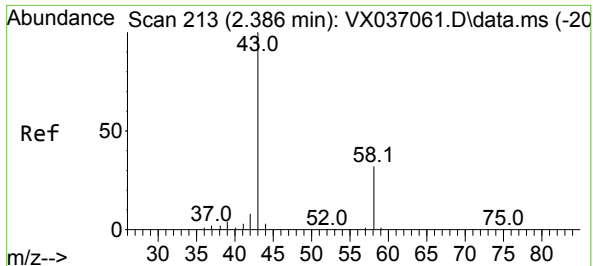
Ion Ratio Lower Upper

53 100

52 69.3 66.0 99.0

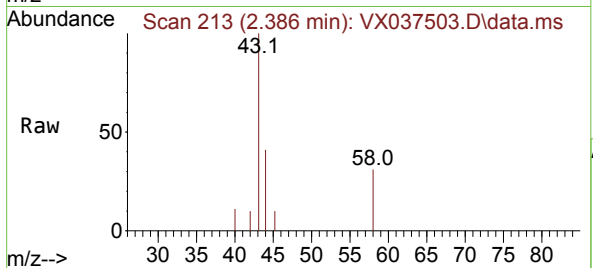
51 22.5 29.8 44.6#



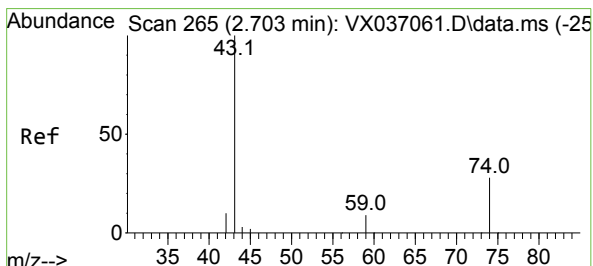
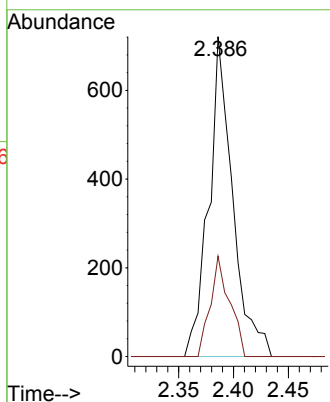
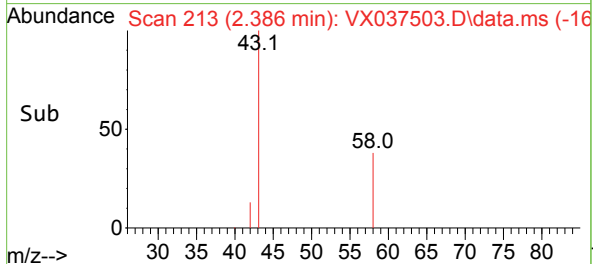


#16
Acetone
Concen: 1.470 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Instrument :
MSVOA_X
ClientSampleId :

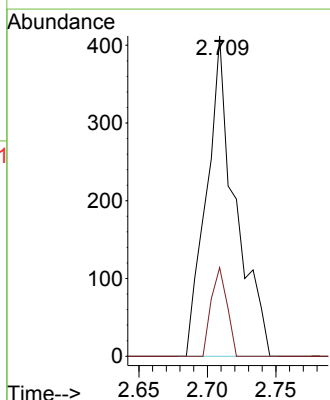
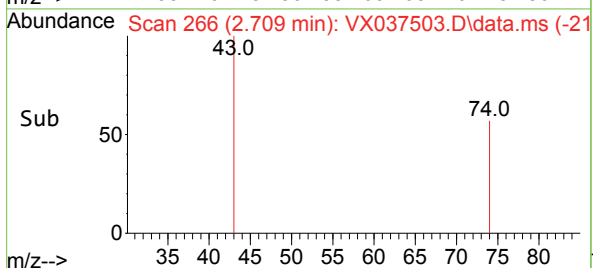
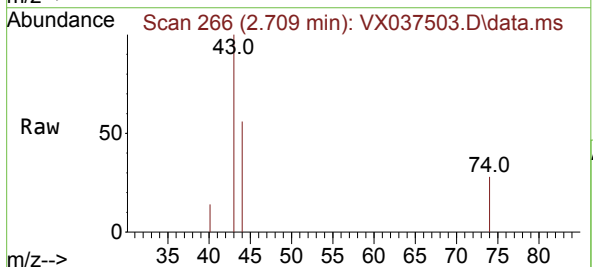


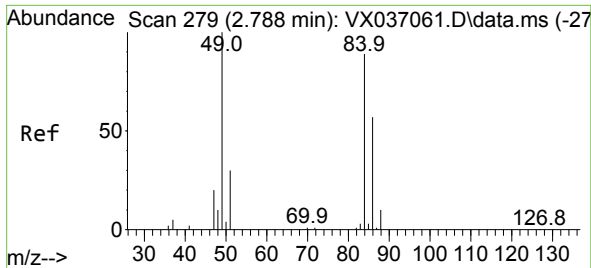
Tgt Ion: 43 Resp: 1093
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9



#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
74 15.2 17.8 26.8#





#20

Methylene Chloride

Concen: 0.524 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

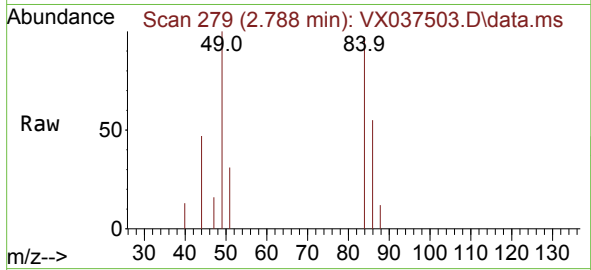
Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 872

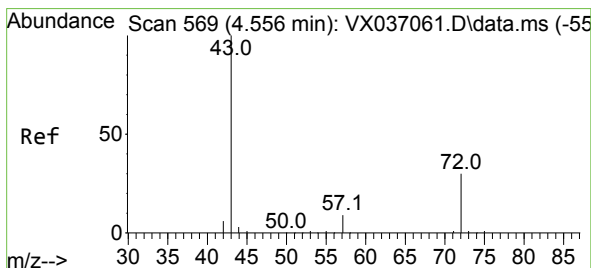
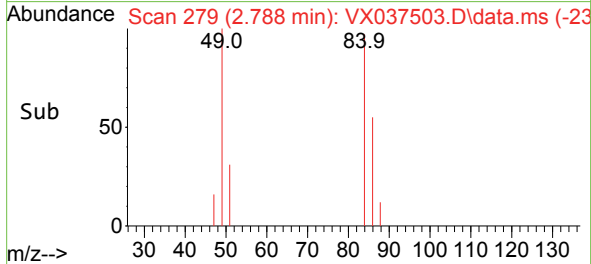
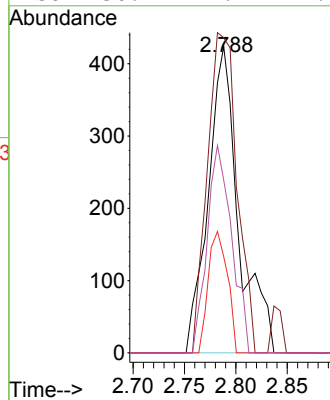
Ion Ratio Lower Upper

84 100

49 102.8 103.6 155.4#

51 31.4 33.8 50.6#

86 56.4 49.4 74.0



#25

2-Butanone

Concen: 0.582 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.037 min

Lab File: VX037503.D

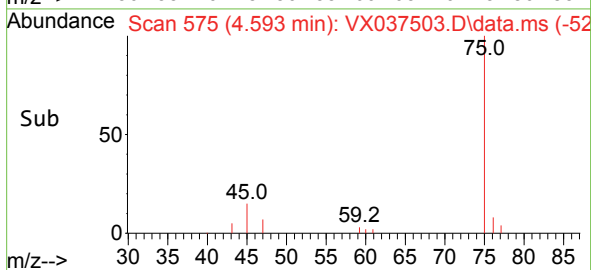
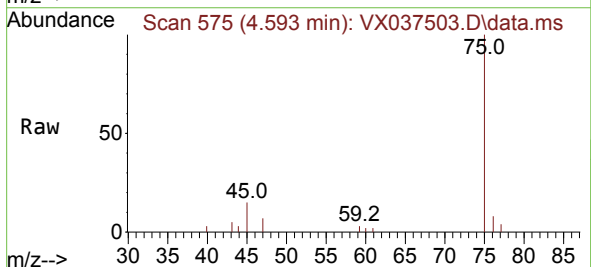
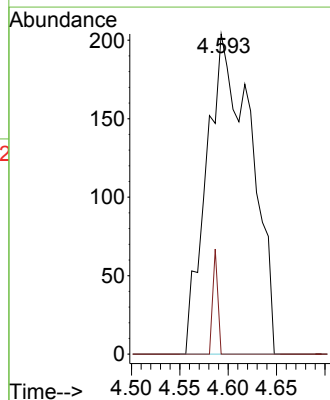
Acq: 05 Sep 2023 11:24

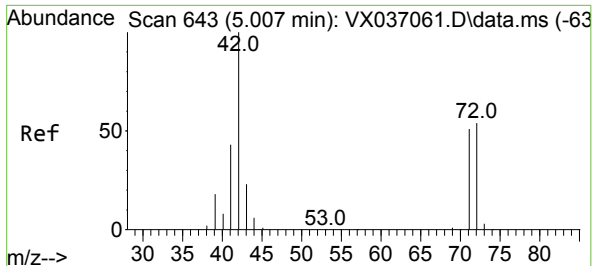
Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.261 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

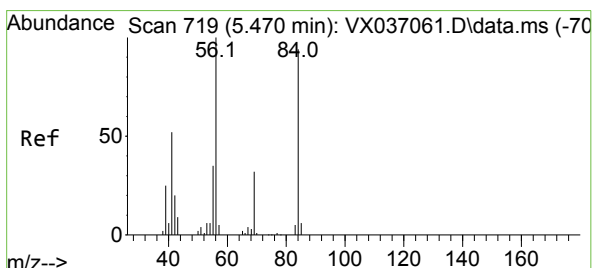
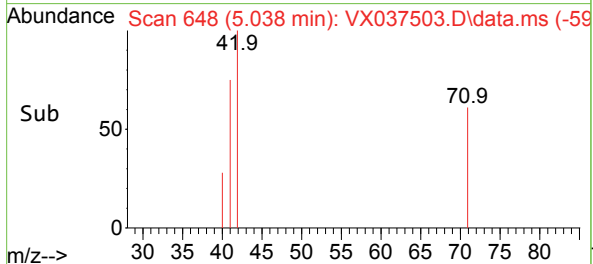
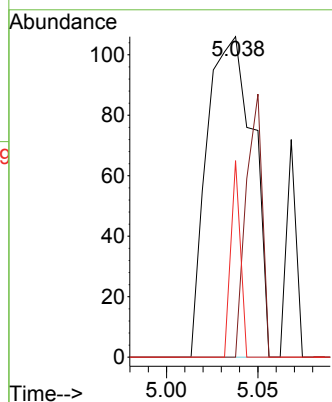
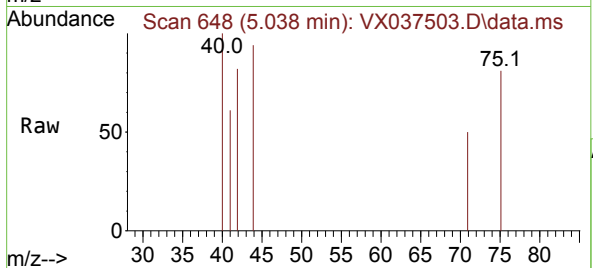
Tgt Ion: 42 Resp: 186

Ion Ratio Lower Upper

42 100

72 28.5 34.2 51.4#

71 12.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

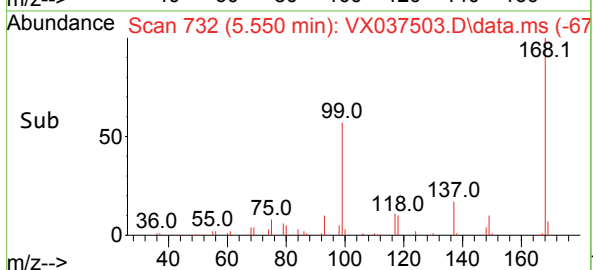
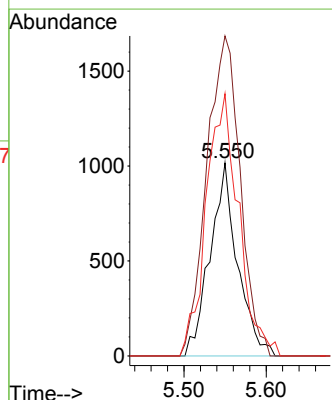
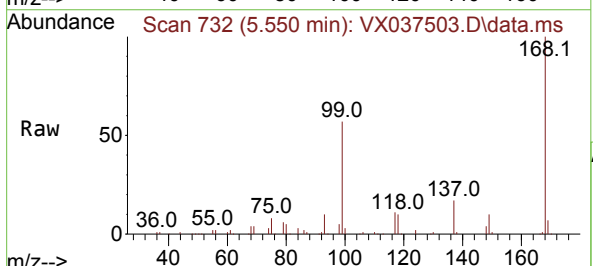
Tgt Ion: 56 Resp: 2359

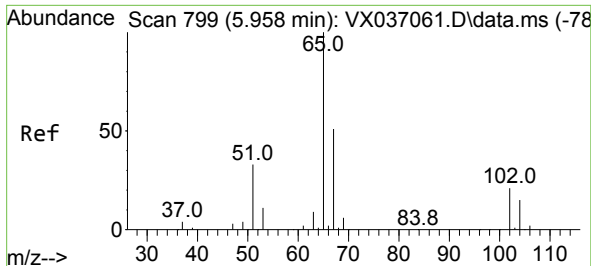
Ion Ratio Lower Upper

56 100

69 165.7 23.4 35.2#

84 135.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 40.699 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

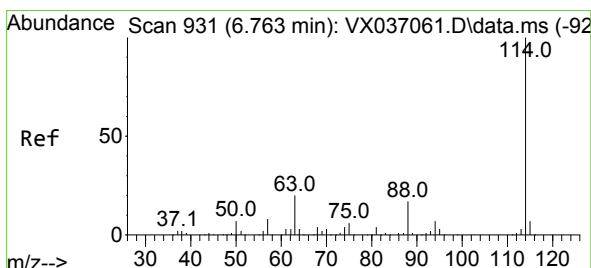
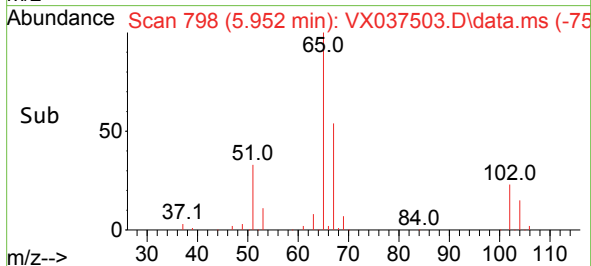
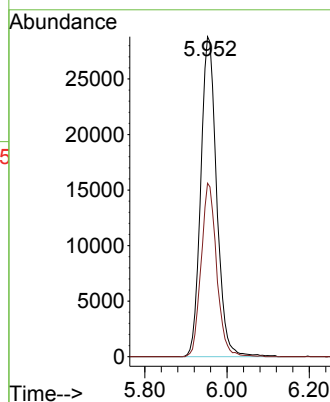
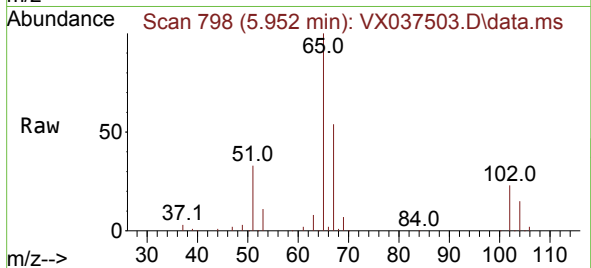
ClientSampleId :

Tgt Ion: 65 Resp: 77348

Ion Ratio Lower Upper

65 100

67 52.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

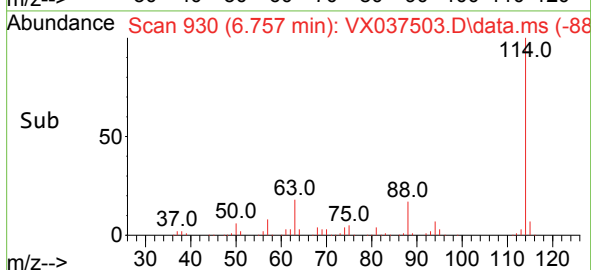
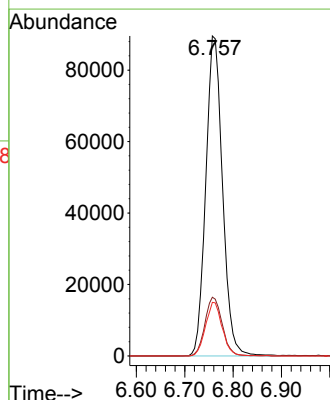
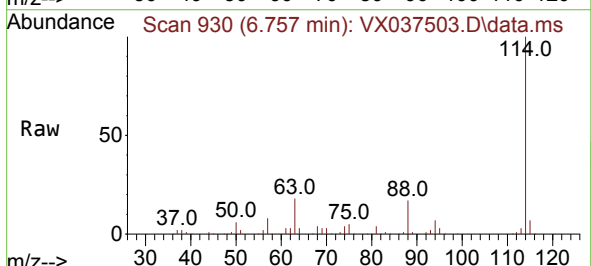
Tgt Ion: 114 Resp: 215644

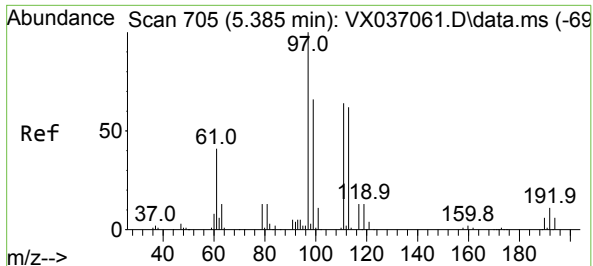
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

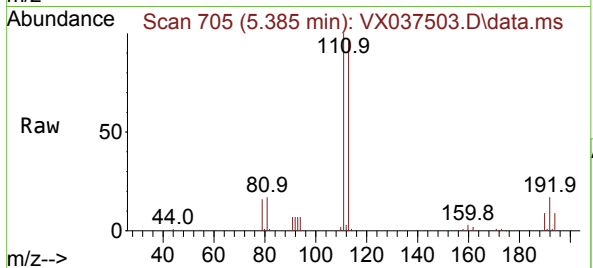
88 16.7 0.0 36.6



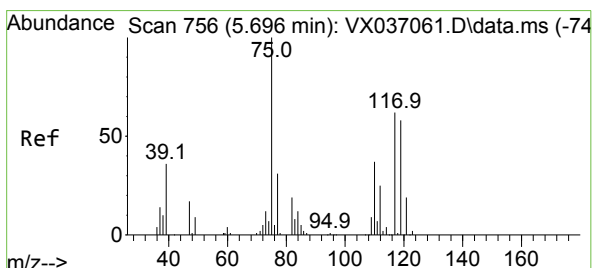
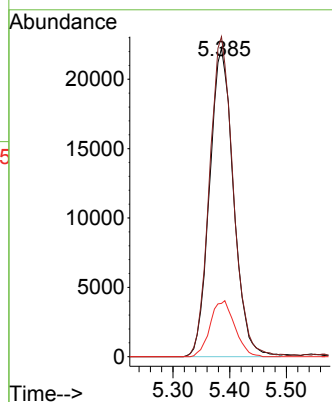
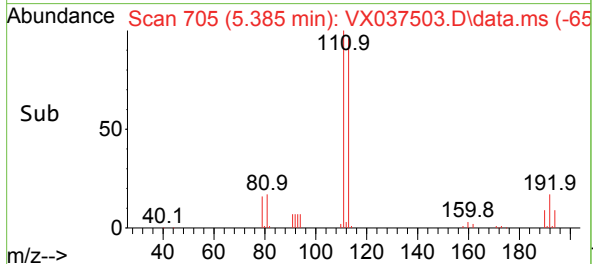


#35
Dibromofluoromethane
Concen: 45.677 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Instrument :
MSVOA_X
ClientSampleId :

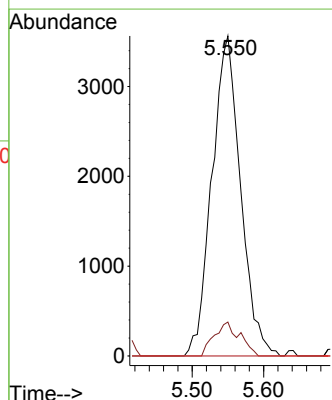
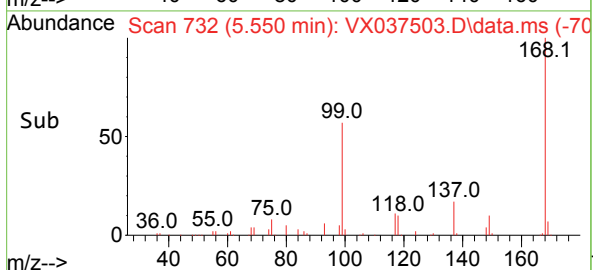
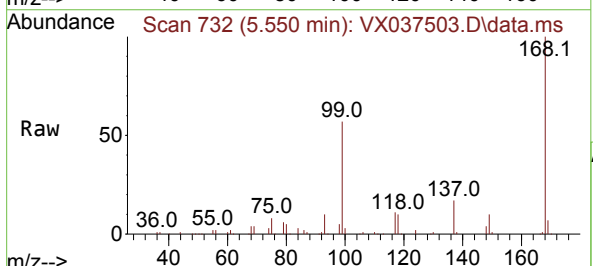


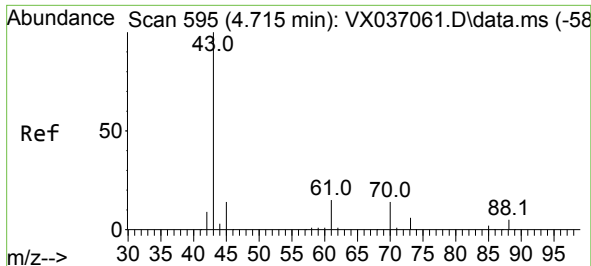
Tgt Ion:113 Resp: 65234
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Tgt Ion: 75 Resp: 9915
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.315 ug/l

RT: 4.593 min Scan# 51

Delta R.T. -0.122 min

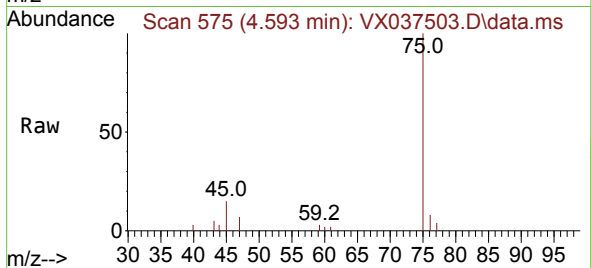
Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

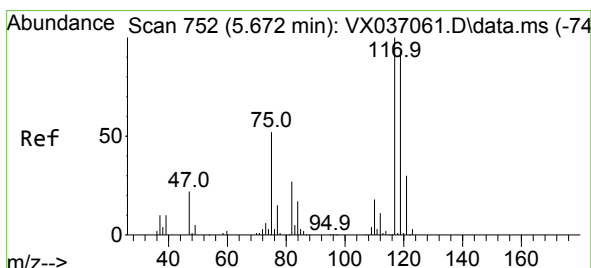
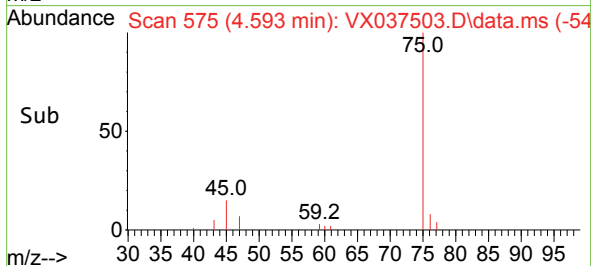
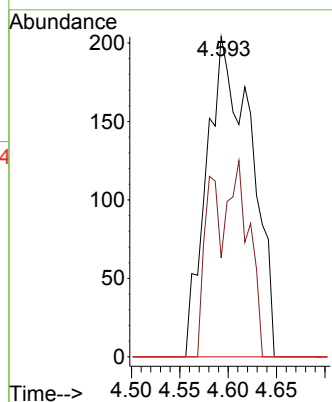
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 652
Ion Ratio	Lower Upper
43	100
61	20.2 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.088 ug/l

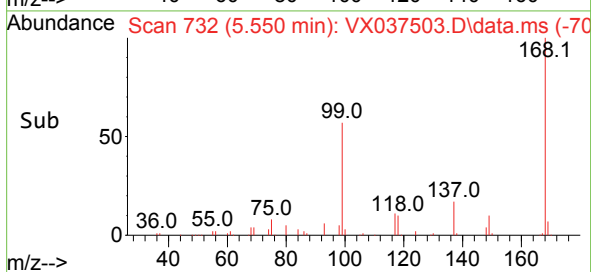
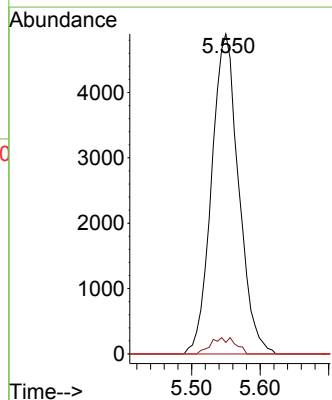
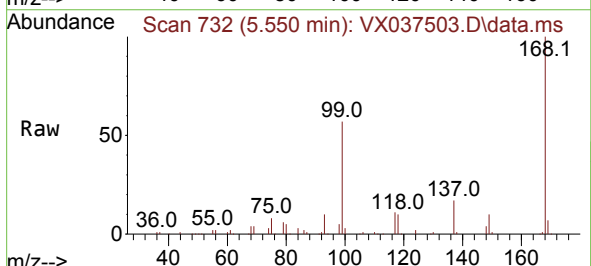
RT: 5.550 min Scan# 732

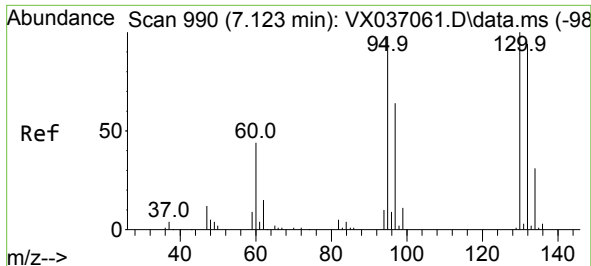
Delta R.T. -0.122 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Tgt Ion: 117	Resp: 13419
Ion Ratio	Lower Upper
117	100
119	3.6 78.2 117.2#
121	0.0 24.4 36.6#

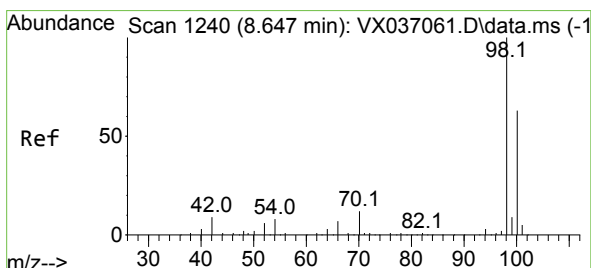
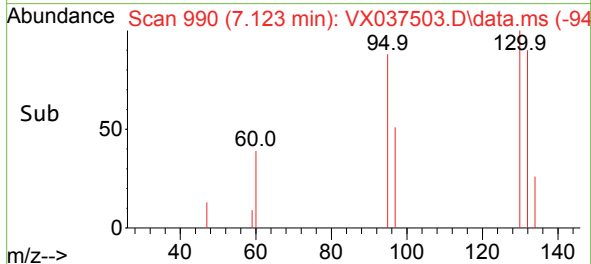
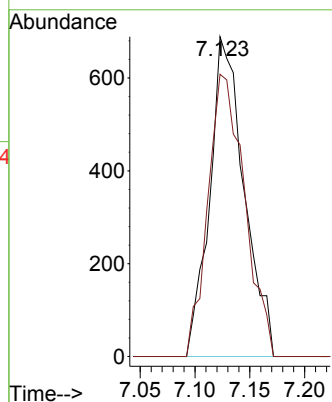
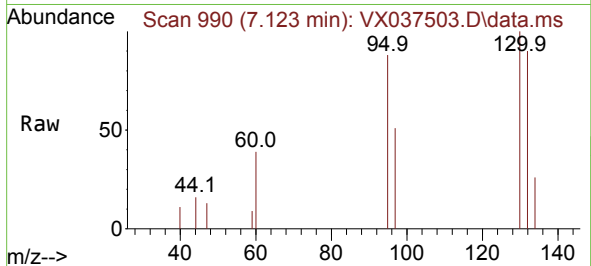




#44
Trichloroethene
Concen: 0.911 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

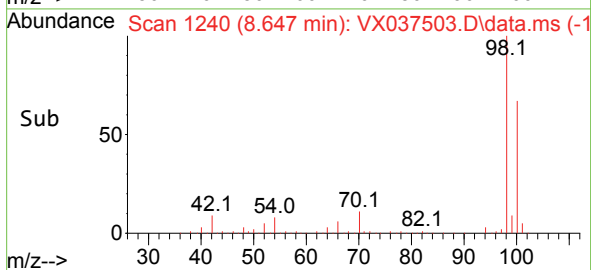
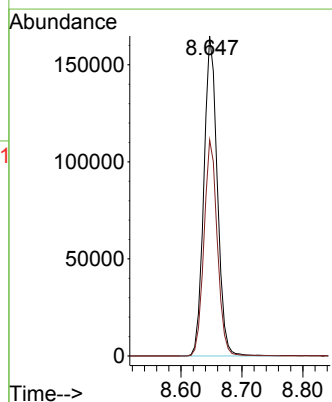
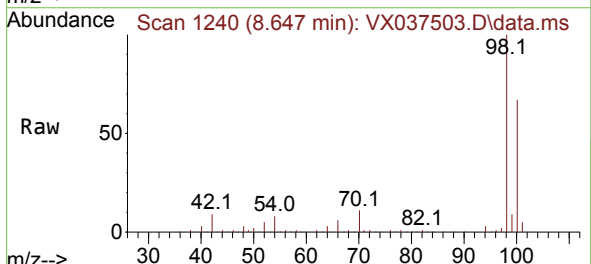
Instrument :
MSVOA_X
ClientSampleId :

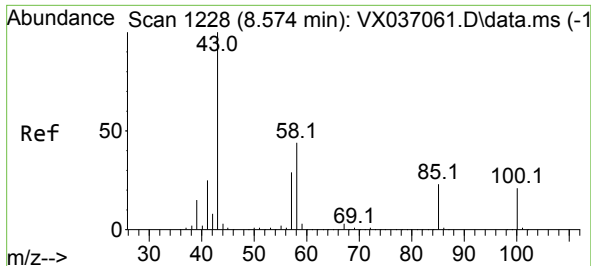
Tgt Ion:130 Resp: 1504
Ion Ratio Lower Upper
130 100
95 88.2 0.0 204.4



#50
Toluene-d8
Concen: 48.801 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Tgt Ion: 98 Resp: 252815
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7

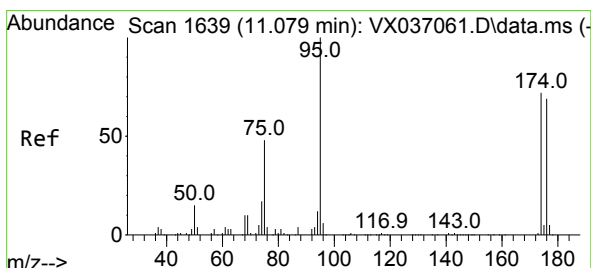
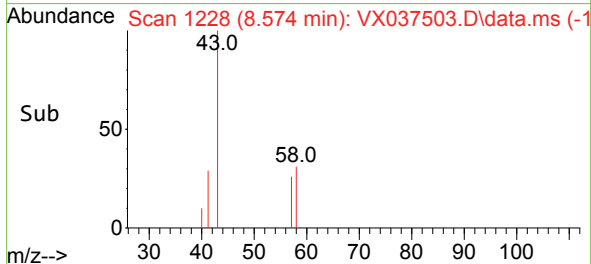
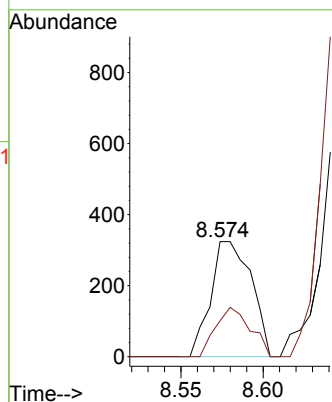
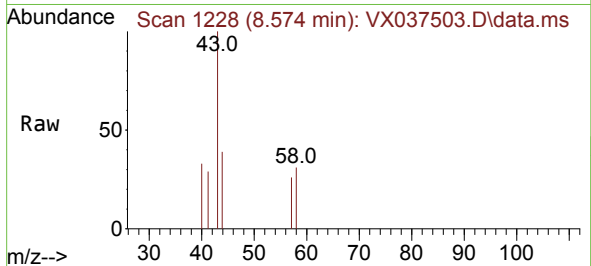




#51
4-Methyl-2-Pentanone
Concen: 0.279 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

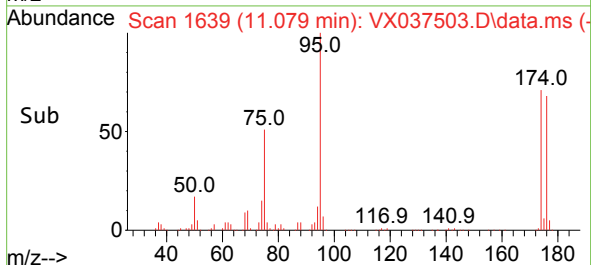
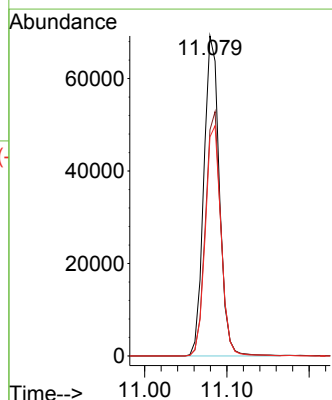
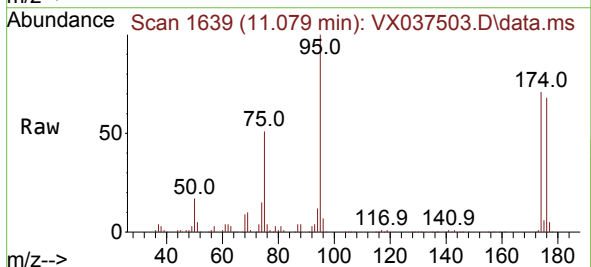
Instrument :
MSVOA_X
ClientSampleId :

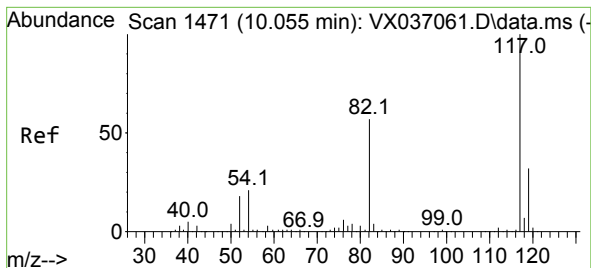
Tgt Ion: 43 Resp: 557
Ion Ratio Lower Upper
43 100
58 36.6 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 44.663 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

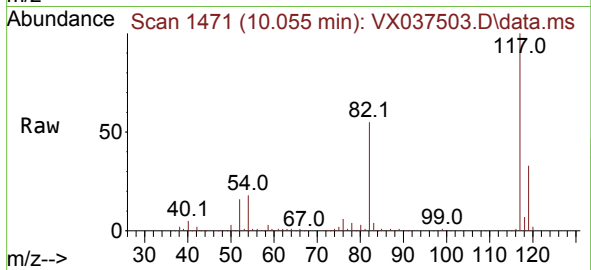
Tgt Ion: 95 Resp: 90927
Ion Ratio Lower Upper
95 100
174 75.8 0.0 135.6
176 72.7 0.0 131.0



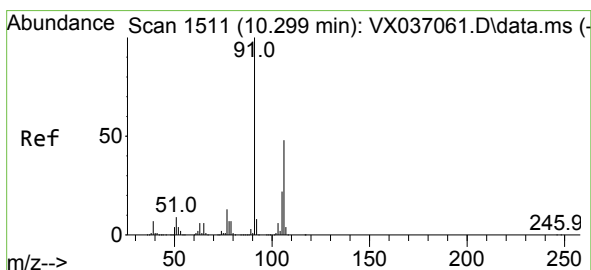
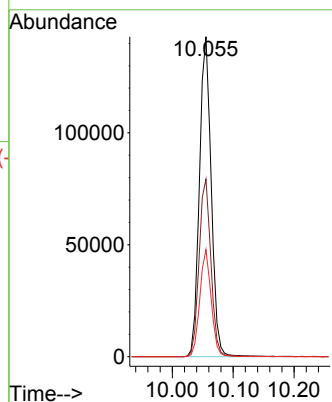
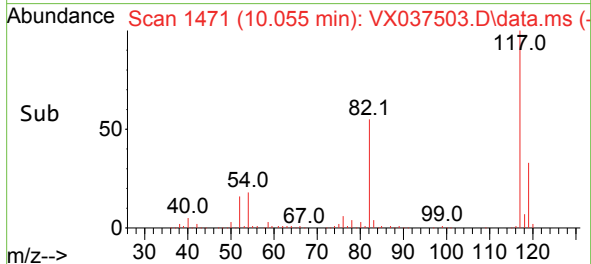


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Instrument :
MSVOA_X
ClientSampleId :

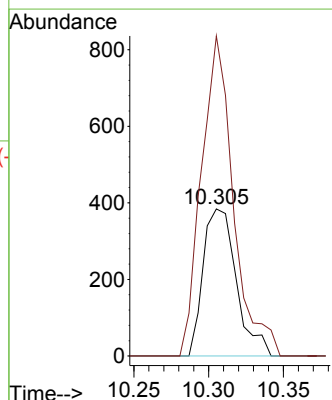
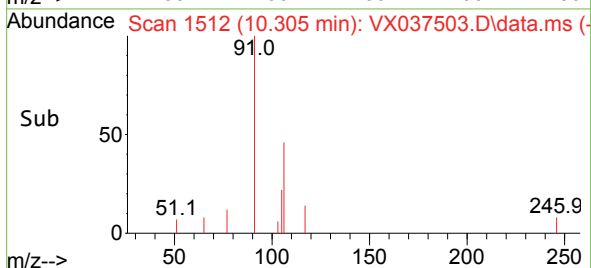
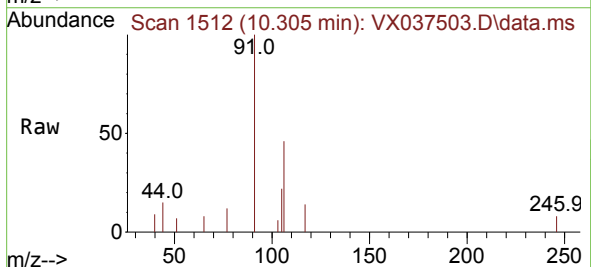


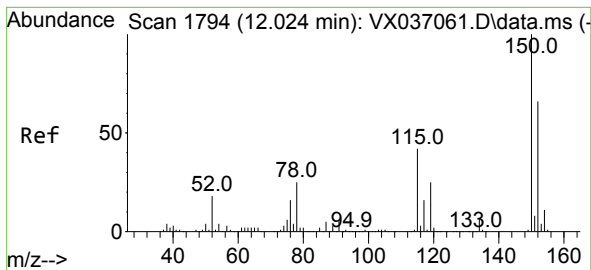
Tgt Ion:117 Resp: 192152
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 33.5 25.5 38.3



#68
m/p-Xylenes
Concen: 0.215 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Tgt Ion:106 Resp: 593
Ion Ratio Lower Upper
106 100
91 209.8 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

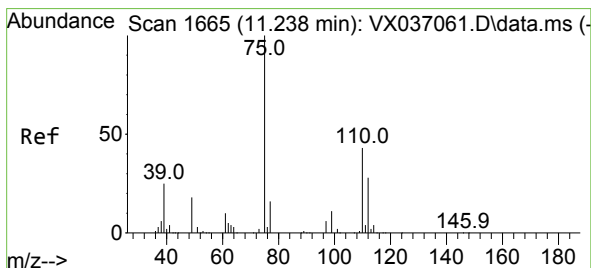
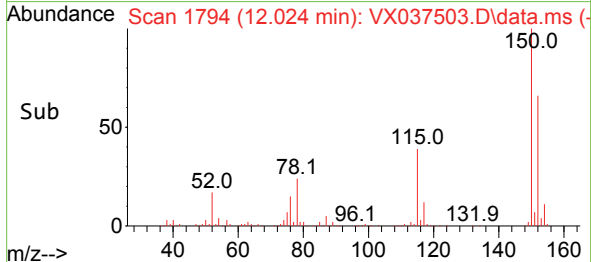
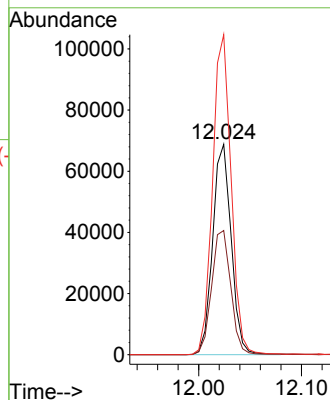
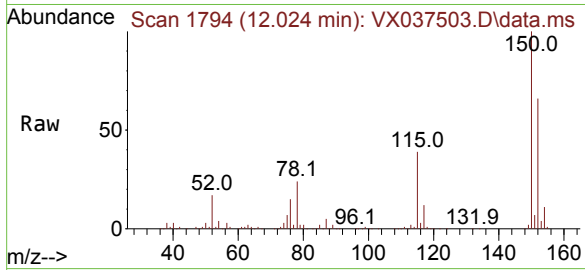
Tgt Ion:152 Resp: 85936

Ion Ratio Lower Upper

152 100

115 61.3 43.3 129.9

150 152.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.692 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX037503.D

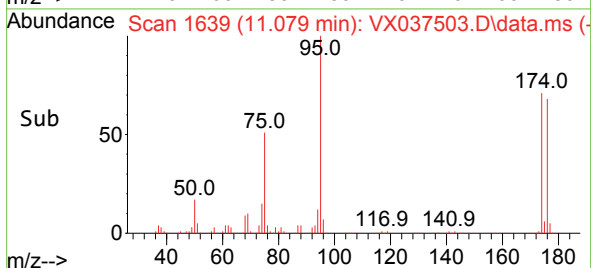
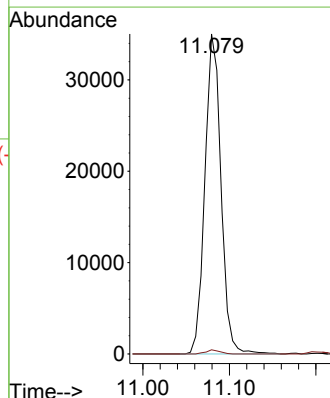
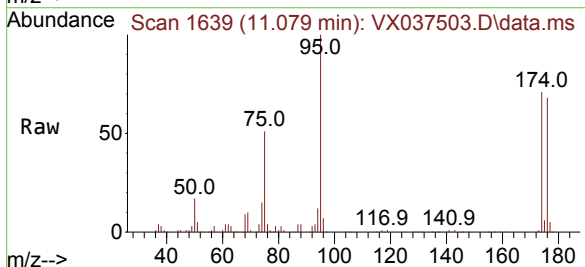
Acq: 05 Sep 2023 11:24

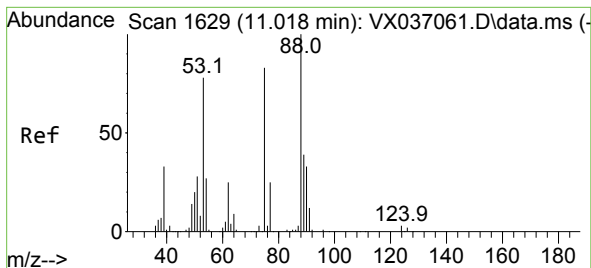
Tgt Ion: 75 Resp: 45190

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

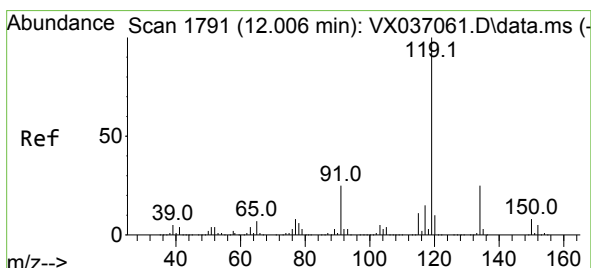
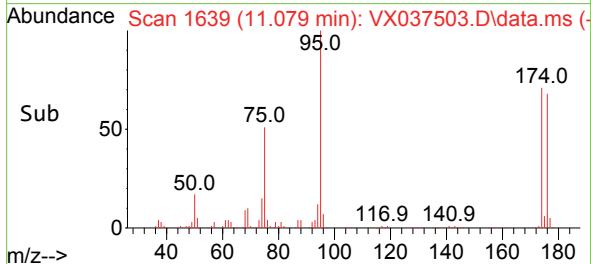
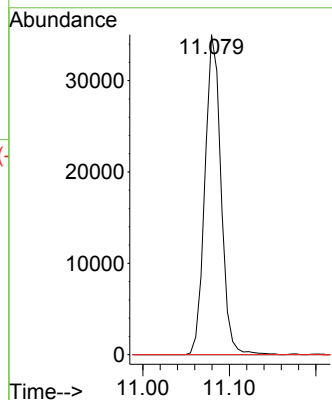
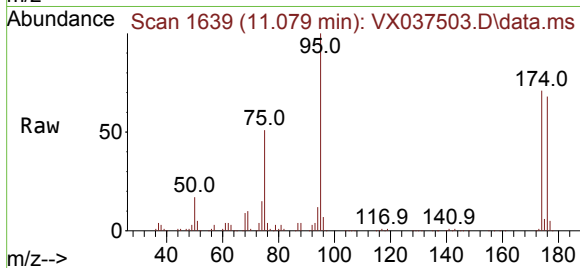




#81
trans-1,4-Dichloro-2-butene
Concen: 68.966 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

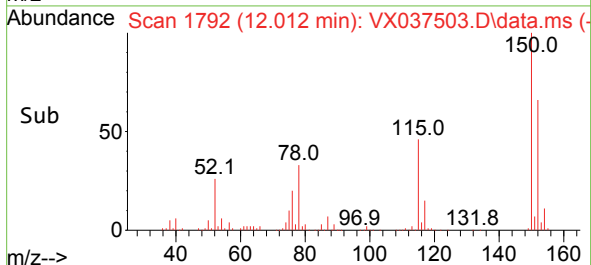
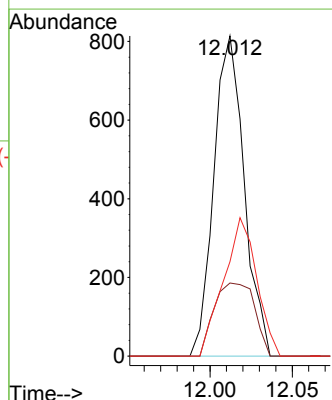
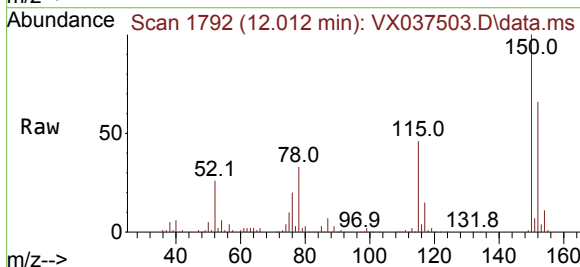
Instrument :
MSVOA_X
ClientSampleId :

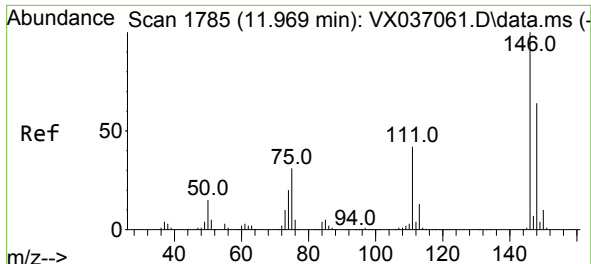
Tgt Ion: 75 Resp: 45190
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.209 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX037503.D
Acq: 05 Sep 2023 11:24

Tgt Ion: 119 Resp: 1044
Ion Ratio Lower Upper
119 100
134 30.3 12.8 38.3
91 47.2 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.246 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX037503.D

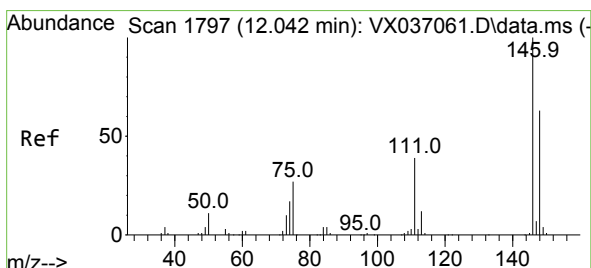
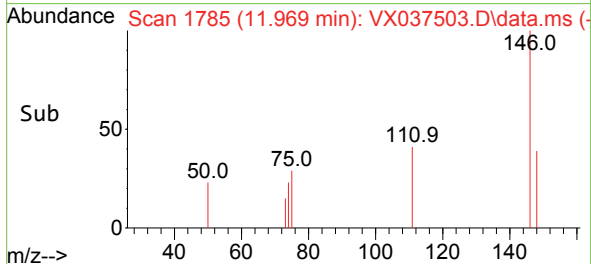
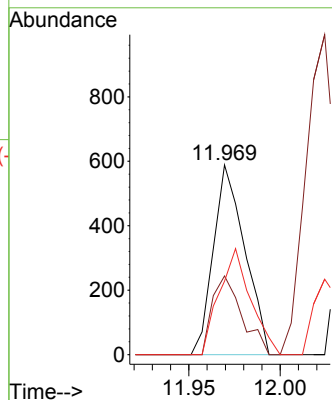
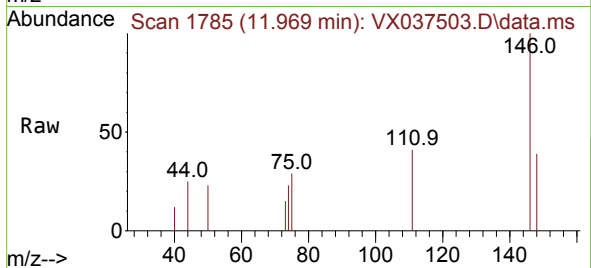
Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:146	Resp:	704
Ion	Ratio	Lower Upper
146	100	
111	39.1	22.1 66.1
148	56.1	31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.239 ug/l

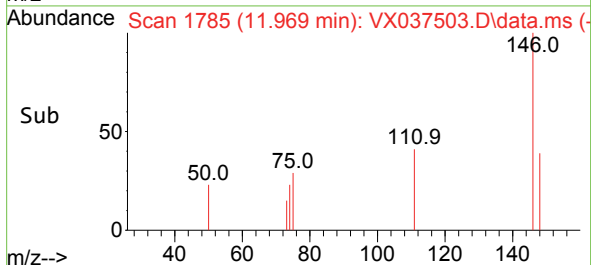
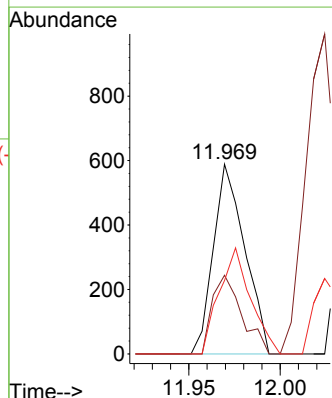
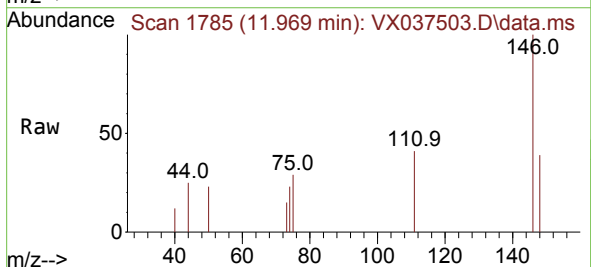
RT: 11.969 min Scan# 1785

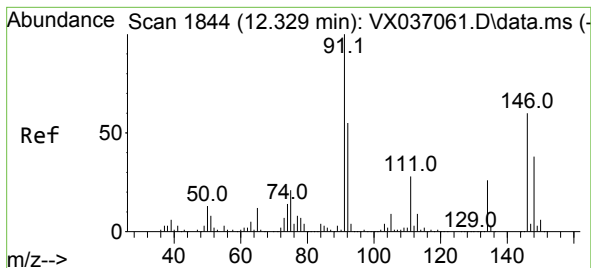
Delta R.T. -0.073 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Tgt Ion:146	Resp:	704
Ion	Ratio	Lower Upper
146	100	
111	39.1	21.3 63.7
148	56.1	31.8 95.4





#89

n-Butylbenzene

Concen: 0.283 ug/l

RT: 12.335 min Scan# 1173

Delta R.T. 0.006 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

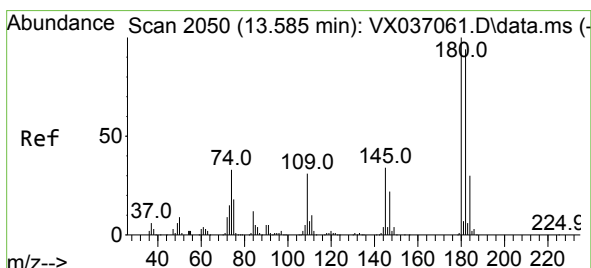
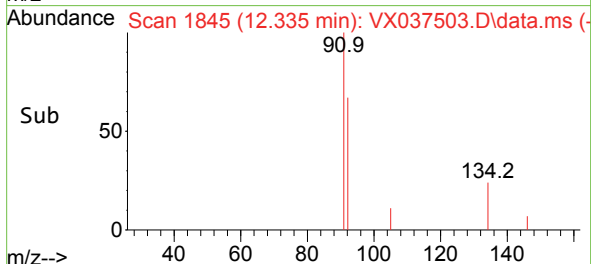
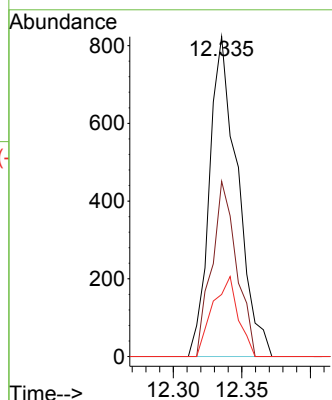
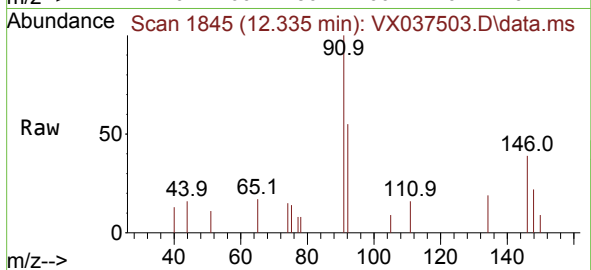
Tgt Ion: 91 Resp: 1173

Ion Ratio Lower Upper

91 100

92 48.2 27.4 82.0

134 22.7 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.512 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

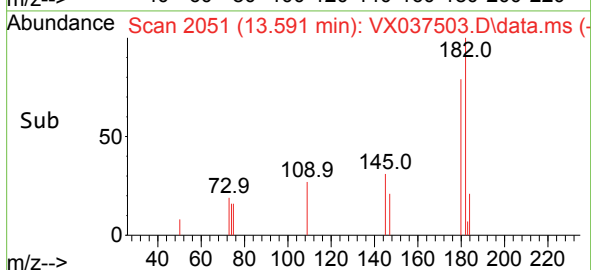
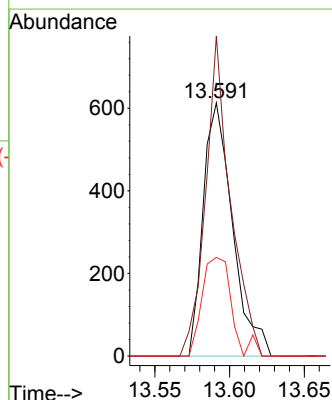
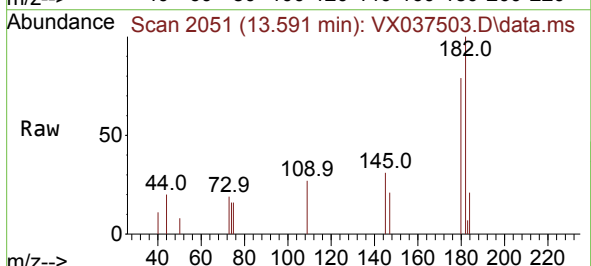
Tgt Ion: 180 Resp: 838

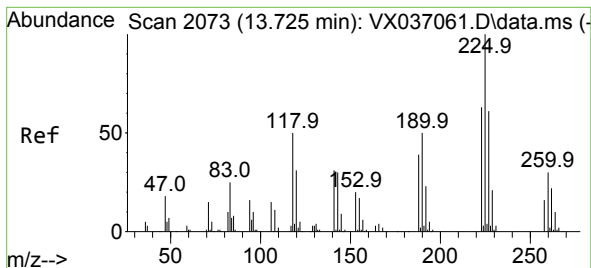
Ion Ratio Lower Upper

180 100

182 106.9 48.3 144.8

145 39.1 18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.536 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX037503.D

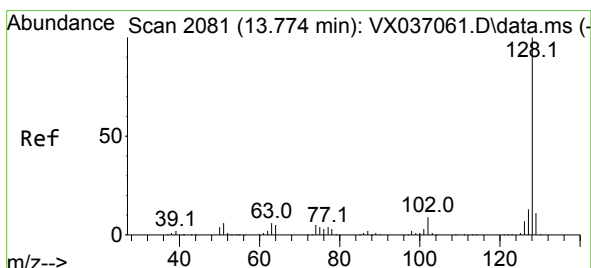
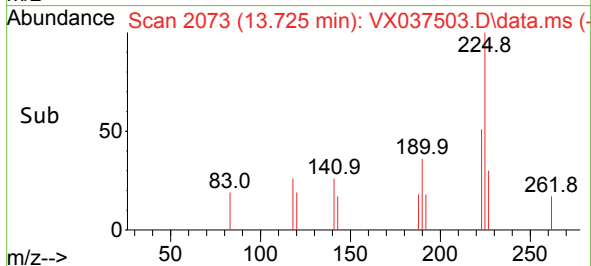
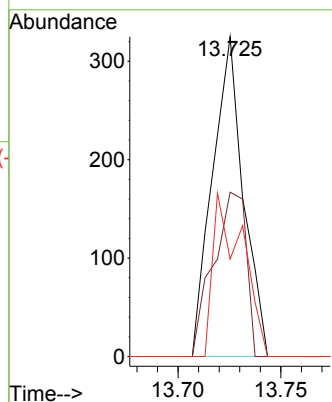
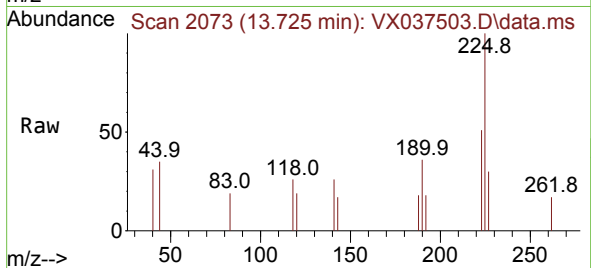
Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	339
Ion Ratio	Lower	Upper
225	100	
223	54.6	31.1 93.2
227	49.0	32.5 97.5



#95

Naphthalene

Concen: 0.208 ug/l

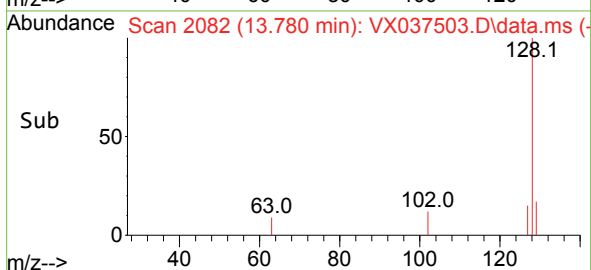
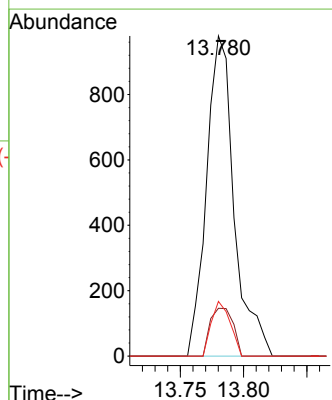
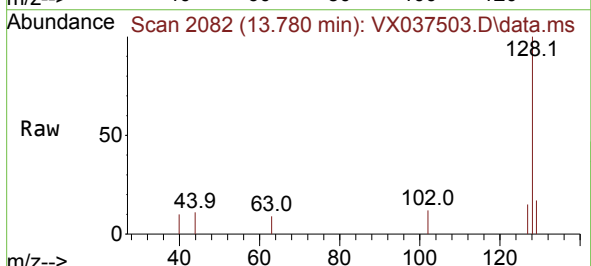
RT: 13.780 min Scan# 2082

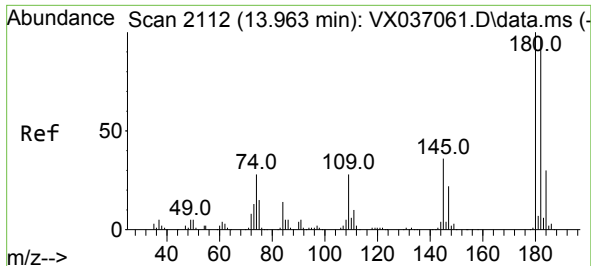
Delta R.T. 0.006 min

Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Tgt Ion:128	Resp:	1490
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.3 15.5
129	11.6	8.8 13.2





#96

1,2,3-Trichlorobenzene

Concen: 0.515 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

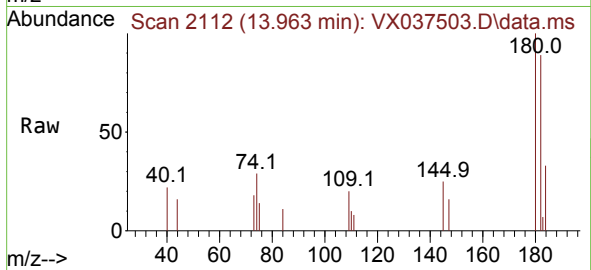
Lab File: VX037503.D

Acq: 05 Sep 2023 11:24

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 838

Ion Ratio Lower Upper

180 100

182 92.8 46.9 140.6

145 39.0 17.8 53.5

