

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102723\
 Data File : VX038613.D
 Acq On : 27 Oct 2023 19:18
 Operator : JC/MD
 Sample : 05107-19 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 30 01:35:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

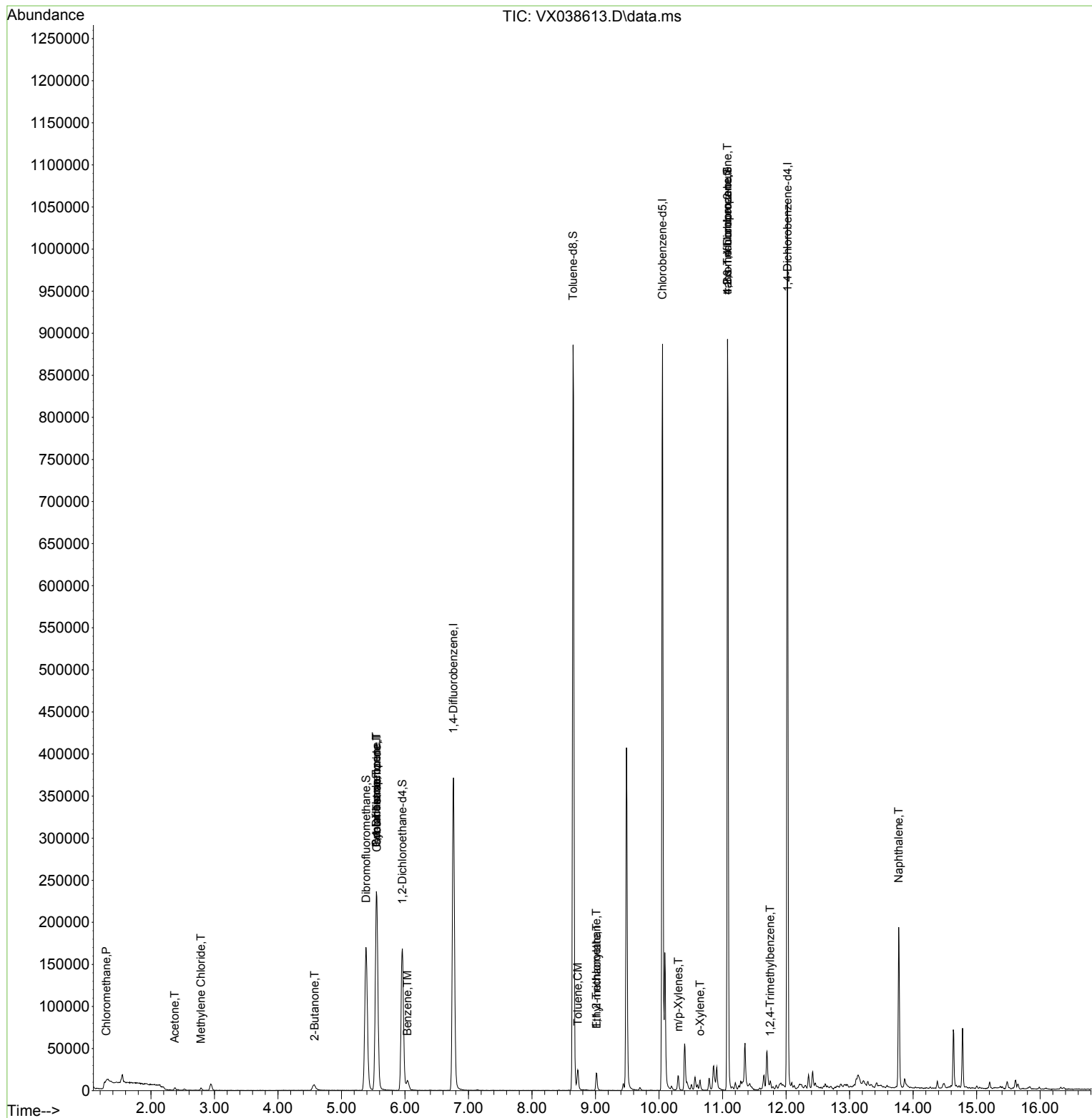
Internal Standards						
1) Pentafluorobenzene	5.550	168	238880	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	396419	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	415228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	232998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165930	43.186	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.380%
35) Dibromofluoromethane	5.385	113	149064	52.185	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.380%
50) Toluene-d8	8.647	98	550203	50.407	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.820%
62) 4-Bromofluorobenzene	11.079	95	235045	56.801	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	991	0.422	ug/l	97
5) Bromomethane	1.587	94	48	Below Cal	#	3
6) Chloroethane	1.660	64	334	Below Cal	#	55
11) Tert butyl alcohol	2.940	59	4371	Below Cal	#	84
16) Acetone	2.373	43	3251	2.027	ug/l	95
20) Methylene Chloride	2.788	84	1368	0.454	ug/l	# 75
25) 2-Butanone	4.574	43	1062	0.410	ug/l	# 51
31) Cyclohexane	5.550	56	4399	1.057	ug/l	# 4
36) 1,1-Dichloropropene	5.550	75	16410	4.166	ug/l	# 51
38) Carbon Tetrachloride	5.556	117	22527	5.813	ug/l	# 15
40) Benzene	6.037	78	13698	1.243	ug/l	98
52) Toluene	8.720	92	9076	1.265	ug/l	92
55) 1,1,2-Trichloroethane	9.013	97	14113	4.598	ug/l	# 21
56) Ethyl methacrylate	9.019	69	971	0.206	ug/l	# 17
68) m/p-Xylenes	10.305	106	4519	0.754	ug/l	87
69) o-Xylene	10.646	106	2568	0.439	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	116183	21.934	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	116183	62.913	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.750	105	3349	0.249	ug/l	95
95) Naphthalene	13.774	128	116061	6.746	ug/l	100

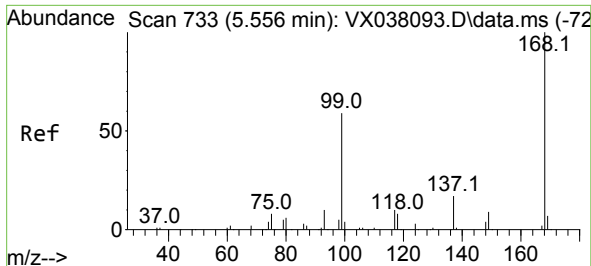
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

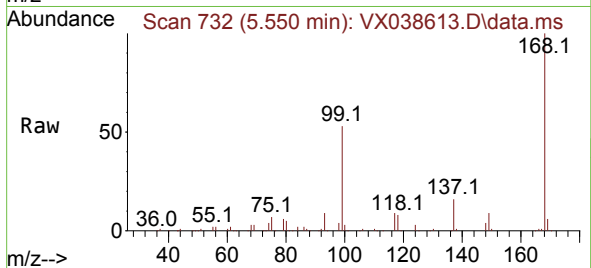
Quant Time: Oct 30 01:35:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration



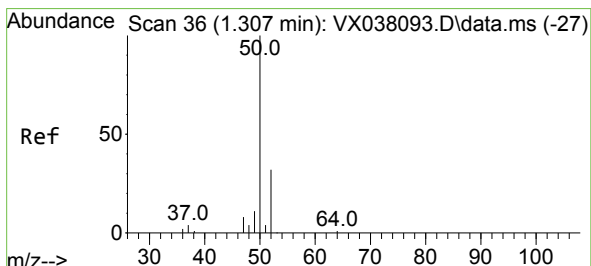
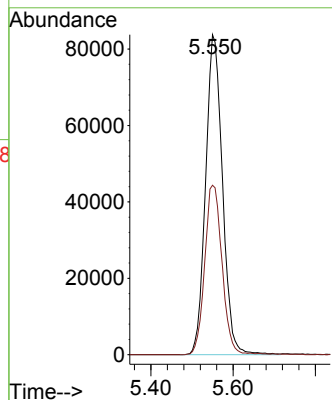
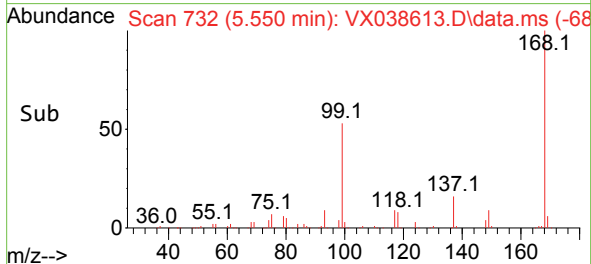


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Instrument :
MSVOA_X
ClientSampleId :

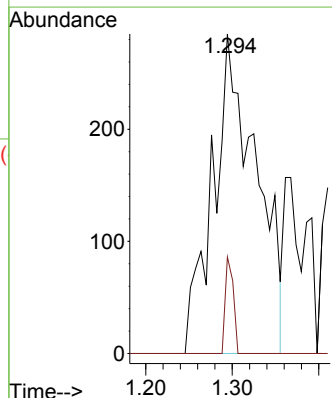
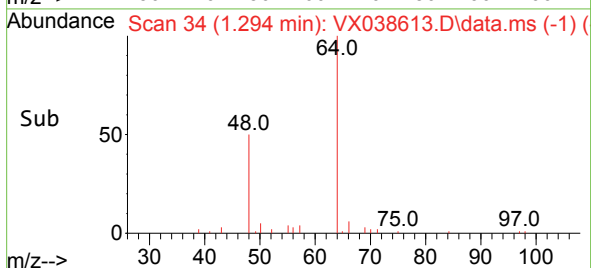
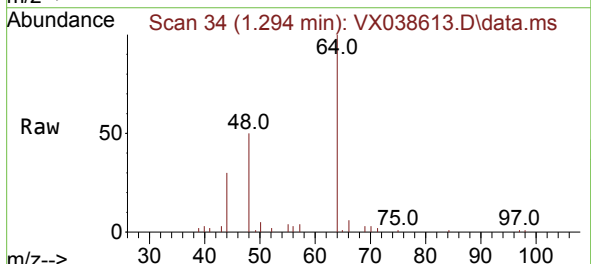


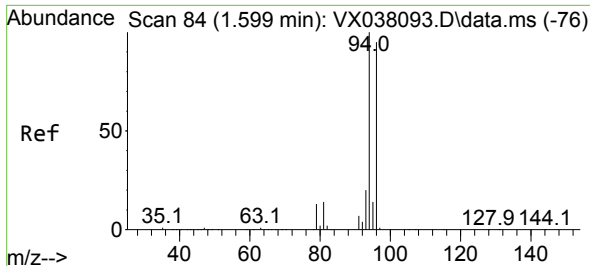
Tgt Ion:168 Resp: 238880
Ion Ratio Lower Upper
168 100
99 53.0 56.6 85.0#



#3
Chloromethane
Concen: 0.422 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 50 Resp: 991
Ion Ratio Lower Upper
50 100
52 30.2 25.5 38.3

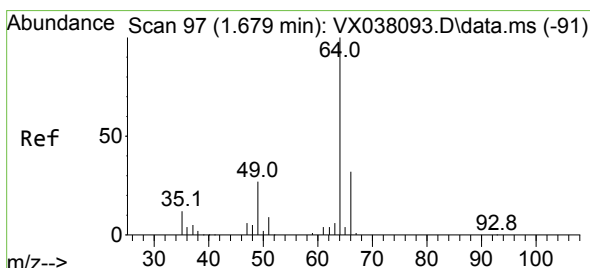
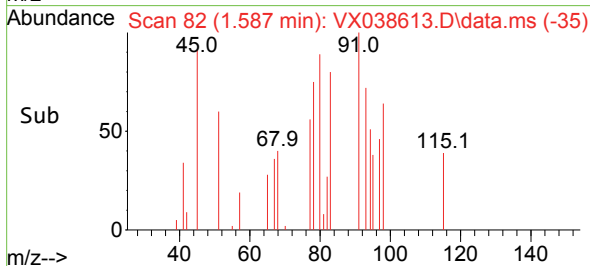
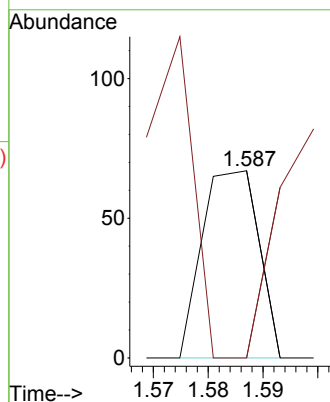
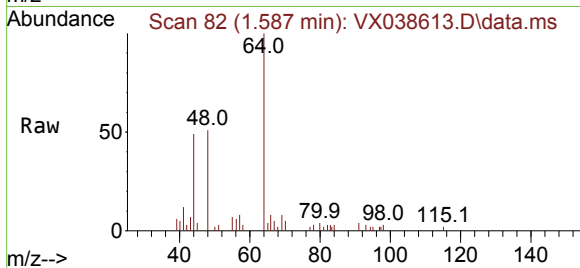




#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

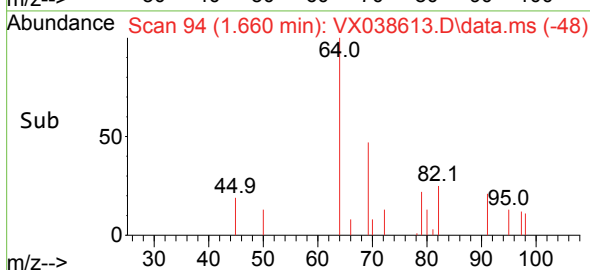
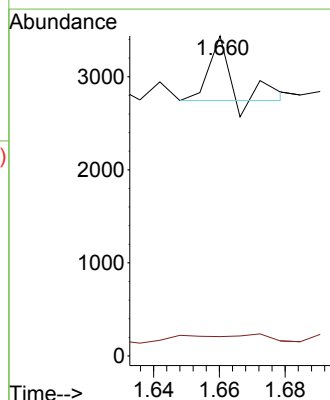
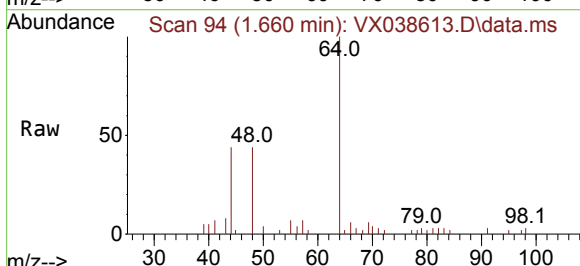
Instrument :
MSVOA_X
ClientSampleId :

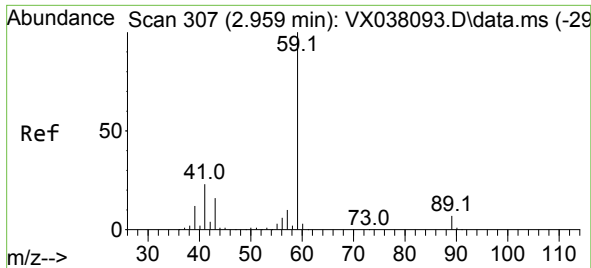
Tgt Ion: 94 Resp: 48
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 64 Resp: 334
Ion Ratio Lower Upper
64 100
66 6.8 25.1 37.7#

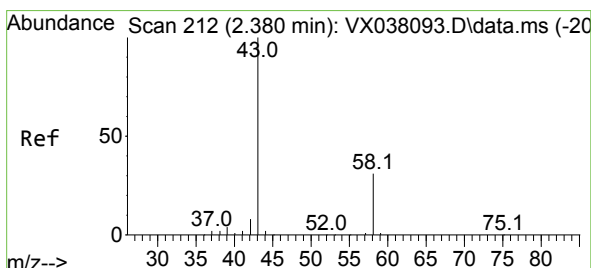
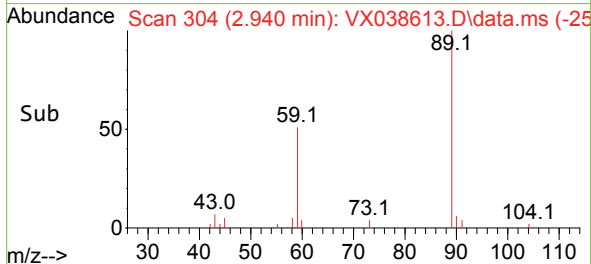
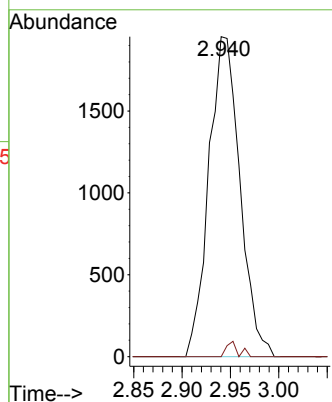
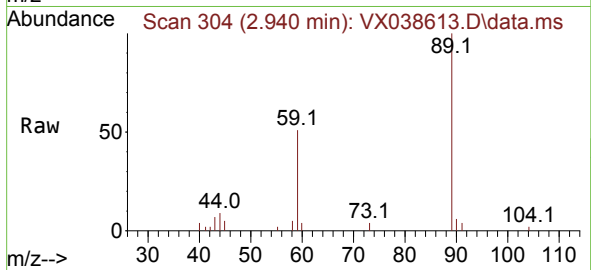




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 30
Delta R.T. -0.019 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

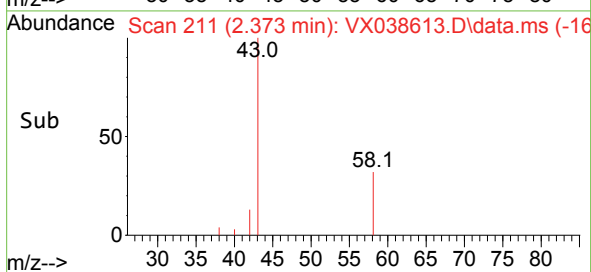
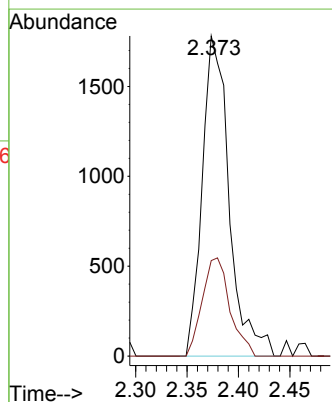
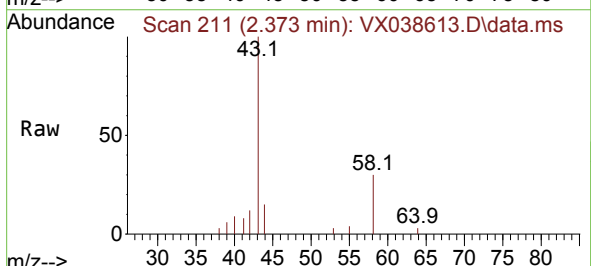
Instrument :
MSVOA_X
ClientSampleId :

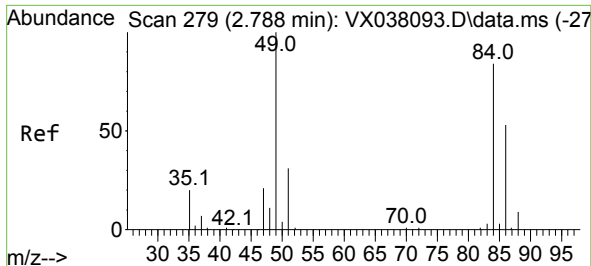
Tgt Ion: 59 Resp: 4371
Ion Ratio Lower Upper
59 100
57 1.8 6.0 9.0#



#16
Acetone
Concen: 2.027 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 43 Resp: 3251
Ion Ratio Lower Upper
43 100
58 29.8 21.9 32.9





#20

Methylene Chloride

Concen: 0.454 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

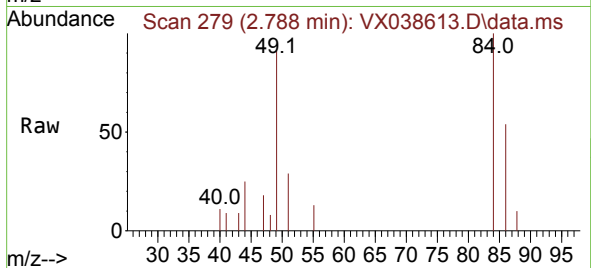
Lab File: VX038613.D

Acq: 27 Oct 2023 19:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1368

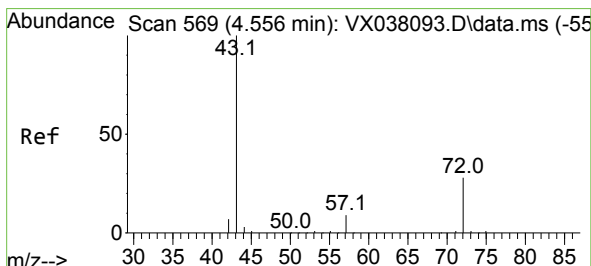
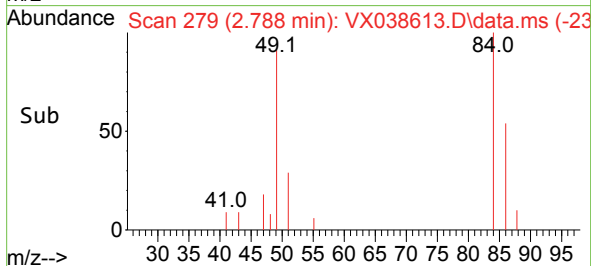
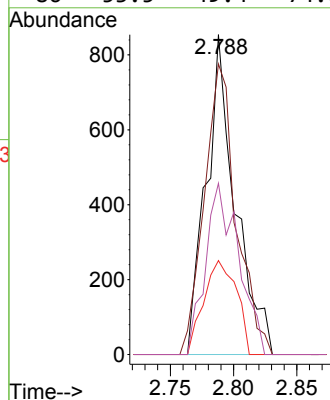
Ion Ratio Lower Upper

84 100

49 90.9 103.6 155.4#

51 29.4 33.8 50.6#

86 53.5 49.4 74.0



#25

2-Butanone

Concen: 0.410 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX038613.D

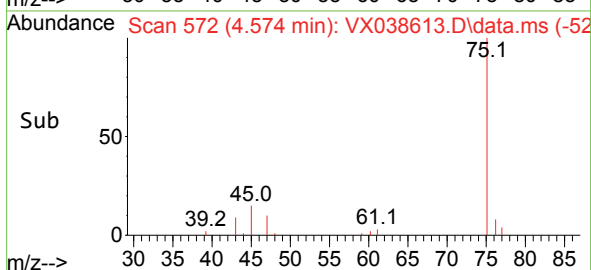
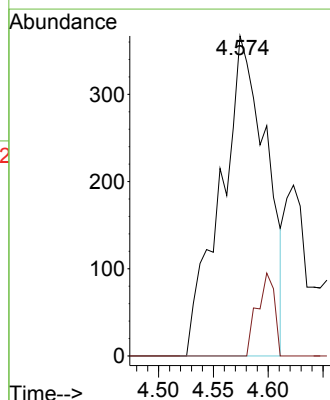
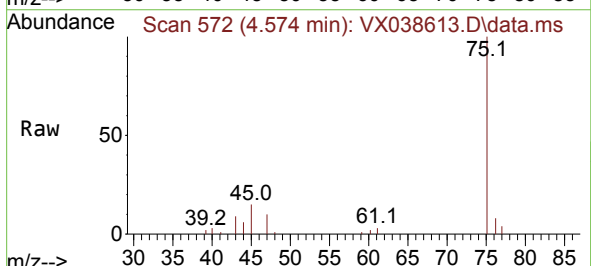
Acq: 27 Oct 2023 19:18

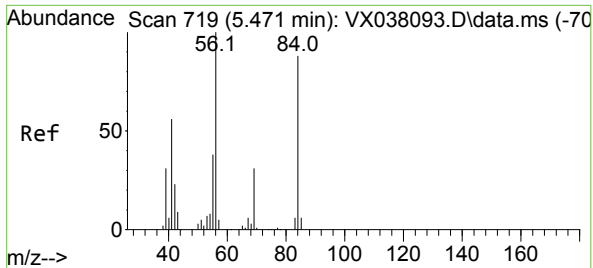
Tgt Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

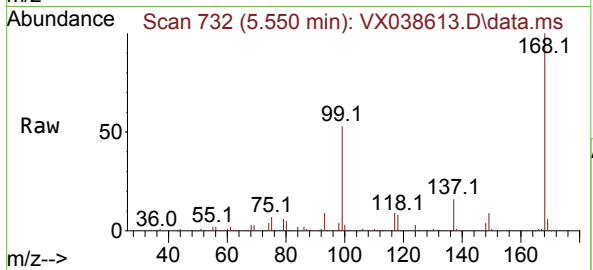
72 0.0 19.4 29.2#



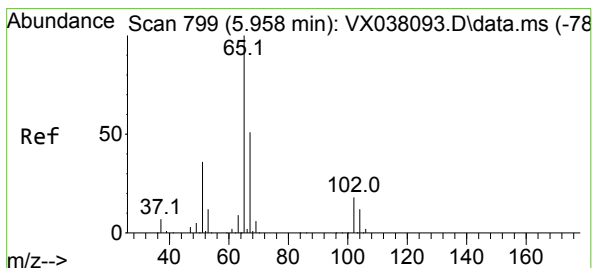
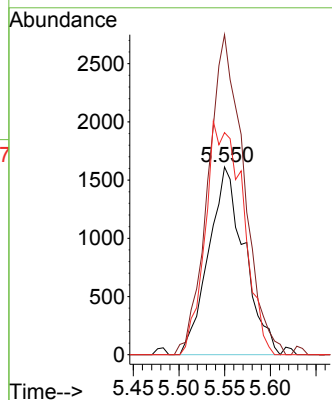
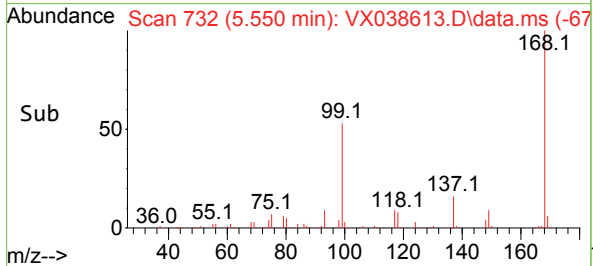


#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Instrument :
MSVOA_X
ClientSampleId :

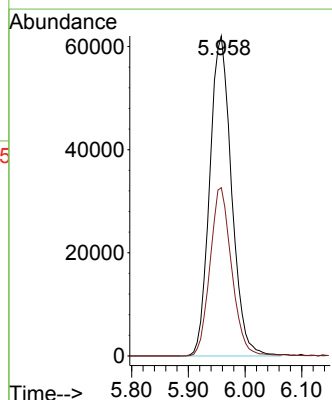
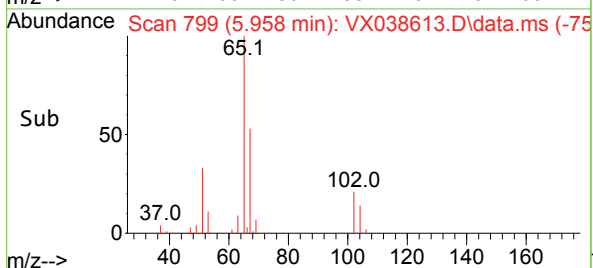
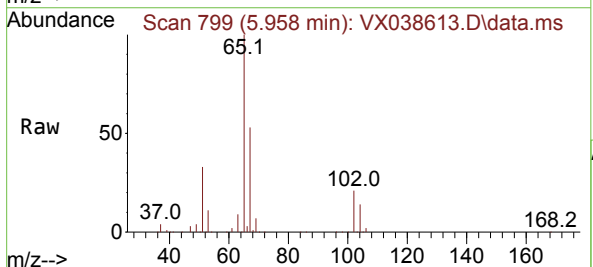


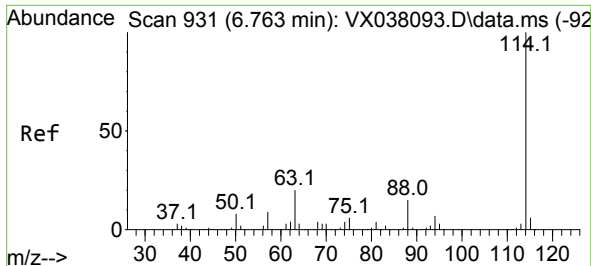
Tgt Ion: 56 Resp: 4399
Ion Ratio Lower Upper
56 100
69 165.1 23.4 35.2#
84 118.4 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.186 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 65 Resp: 165930
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2

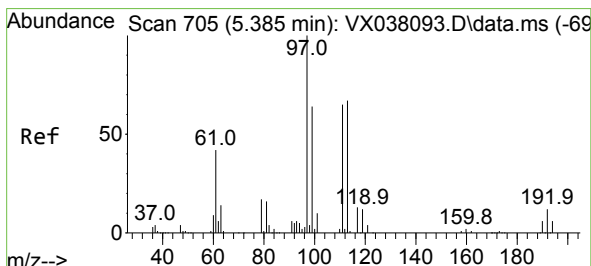
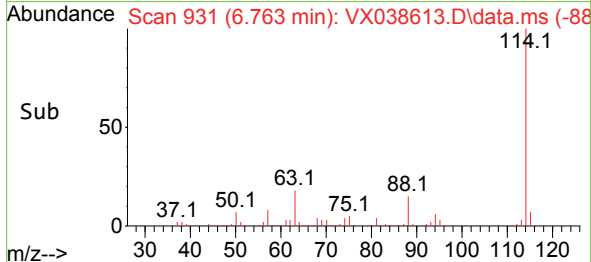
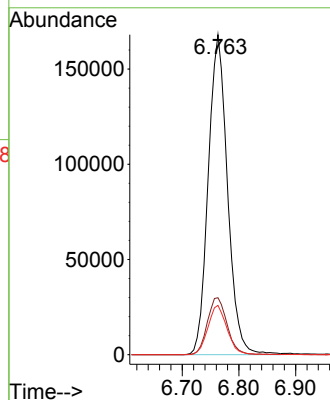
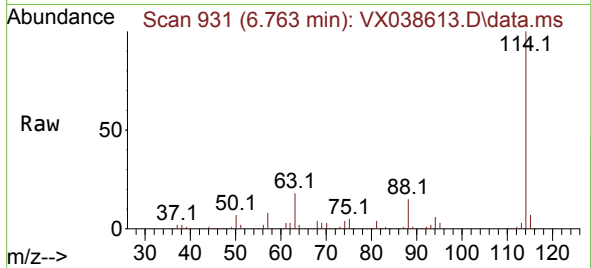




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

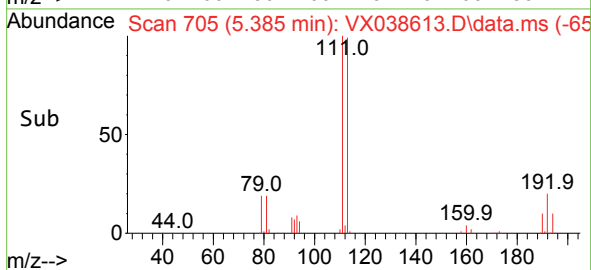
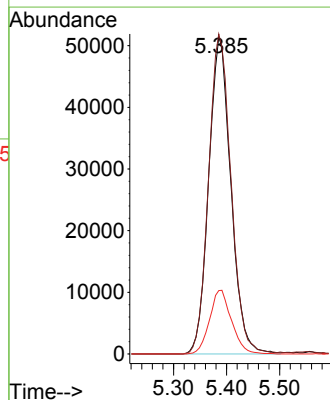
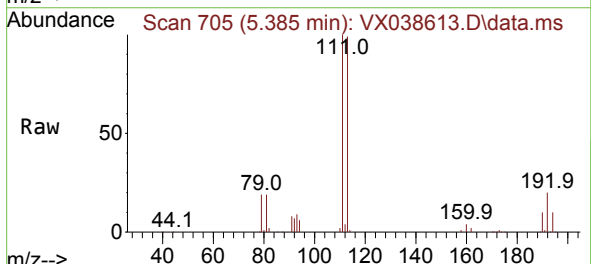
Instrument :
MSVOA_X
ClientSampleId :

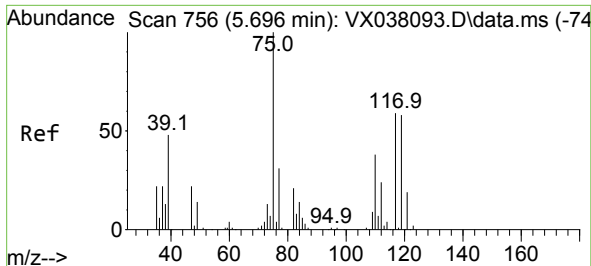
Tgt Ion:114 Resp: 396419
Ion Ratio Lower Upper
114 100
63 17.8 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.185 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion:113 Resp: 149064
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 20.0 13.3 19.9#





#36

1,1-Dichloropropene

Concen: 4.166 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

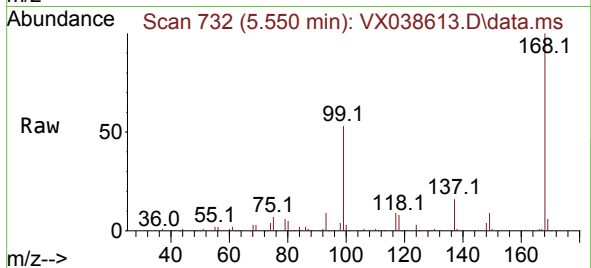
Lab File: VX038613.D

Acq: 27 Oct 2023 19:18

Instrument :

MSVOA_X

ClientSampleId :



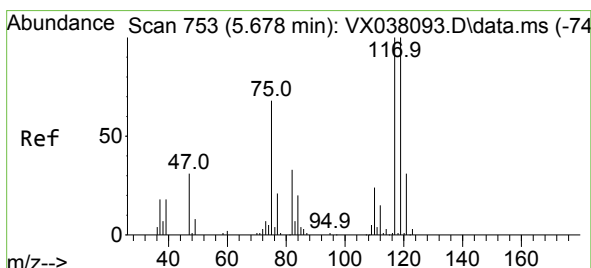
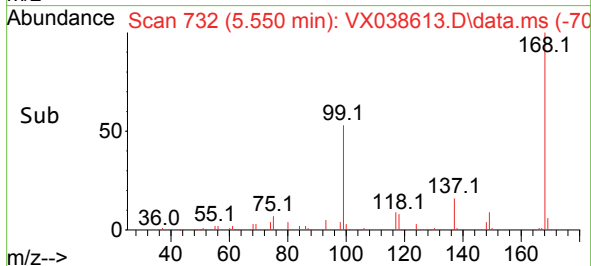
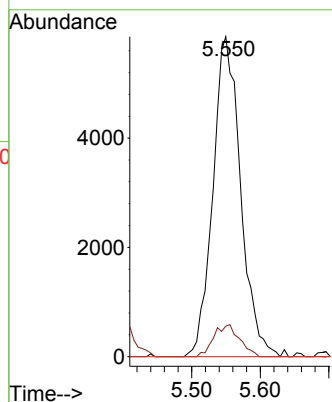
Tgt Ion: 75 Resp: 16410

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.813 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX038613.D

Acq: 27 Oct 2023 19:18

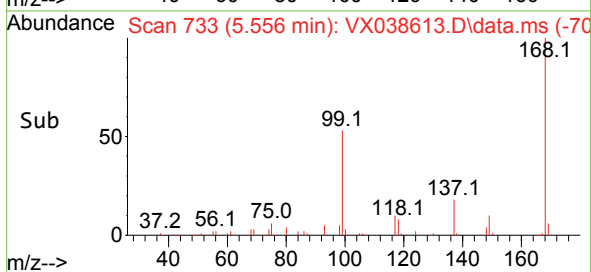
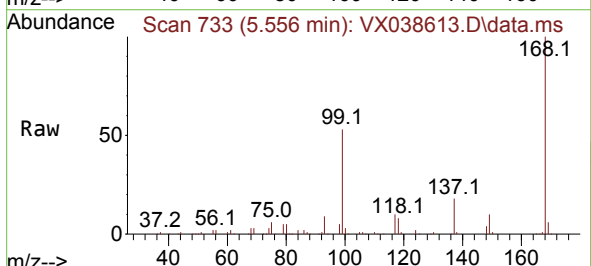
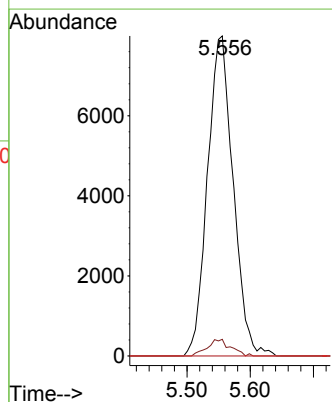
Tgt Ion: 117 Resp: 22527

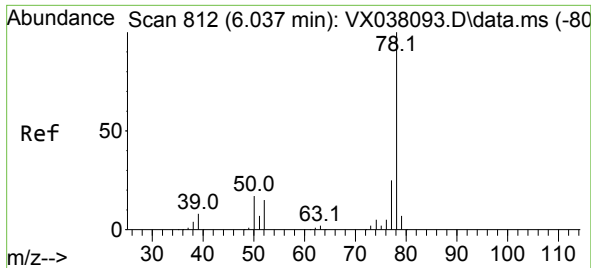
Ion Ratio Lower Upper

117 100

119 5.2 78.2 117.2#

121 0.0 24.4 36.6#

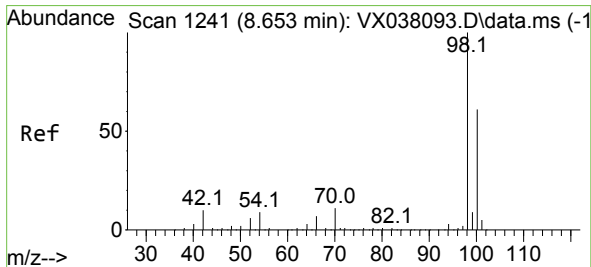
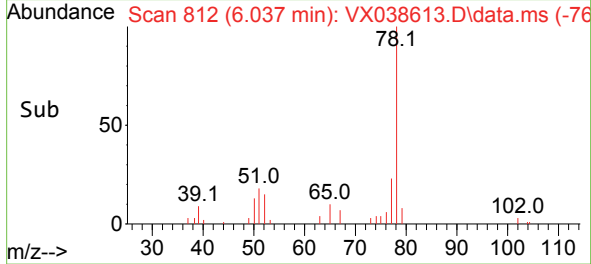
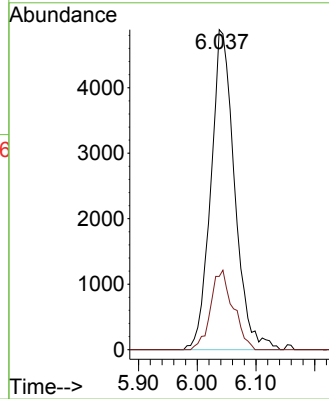
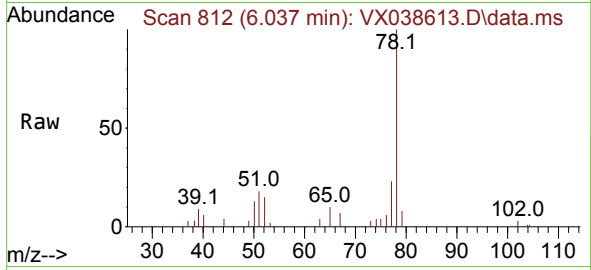




#40
Benzene
Concen: 1.243 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.001 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

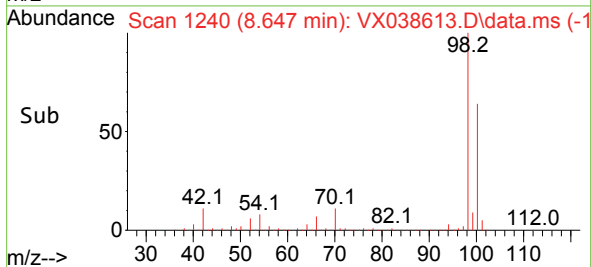
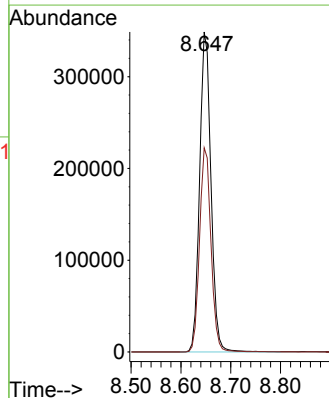
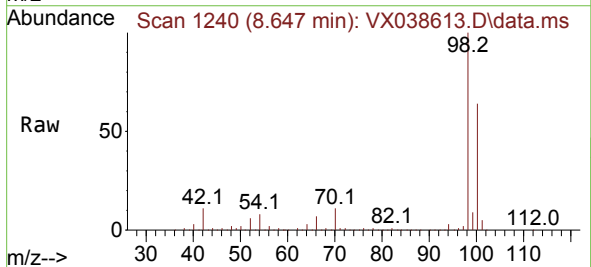
Instrument :
MSVOA_X
ClientSampleId :

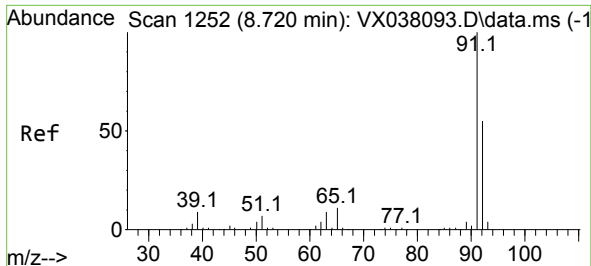
Tgt Ion: 78 Resp: 13698
Ion Ratio Lower Upper
78 100
77 22.9 19.3 28.9



#50
Toluene-d8
Concen: 50.407 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 98 Resp: 550203
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

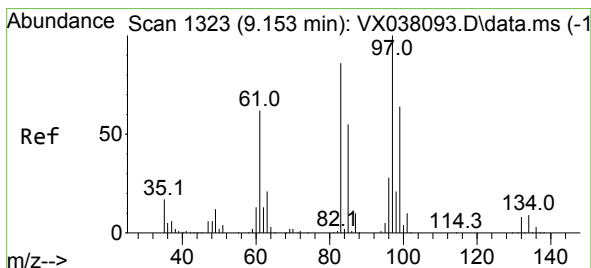
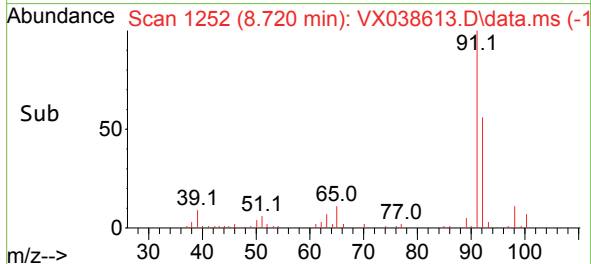
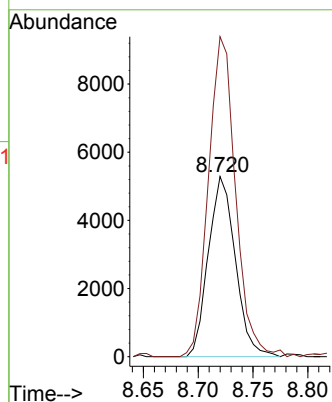
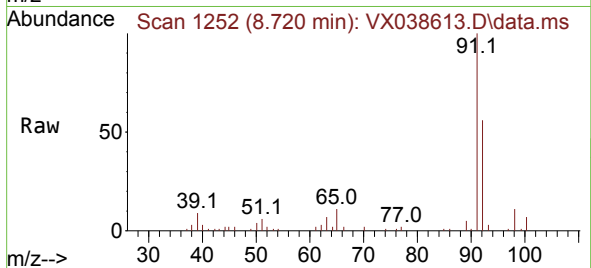




#52
Toluene
Concen: 1.265 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

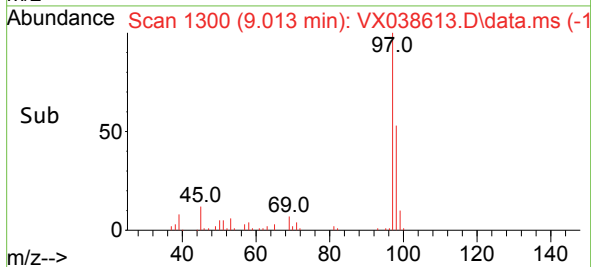
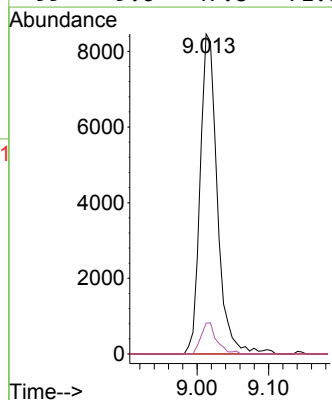
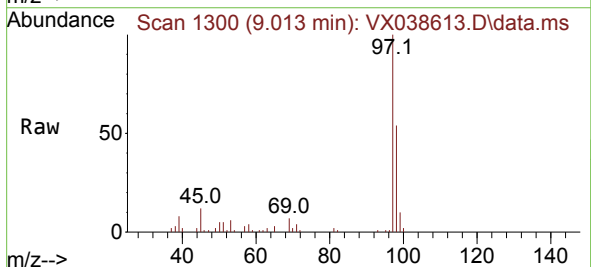
Instrument :
MSVOA_X
ClientSampleId :

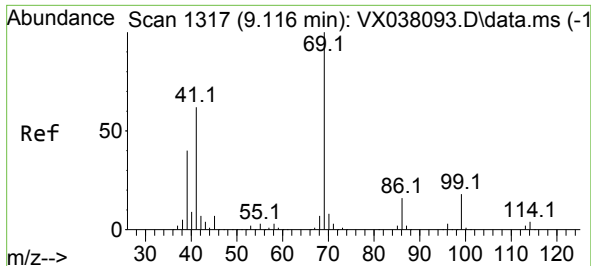
Tgt Ion: 92 Resp: 9076
Ion Ratio Lower Upper
92 100
91 178.2 134.2 201.2



#55
1,1,2-Trichloroethane
Concen: 4.598 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.140 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 97 Resp: 14113
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 9.6 47.8 71.8#

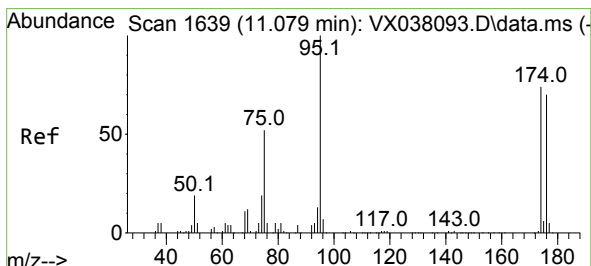
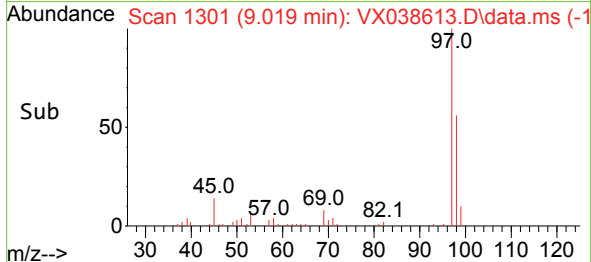
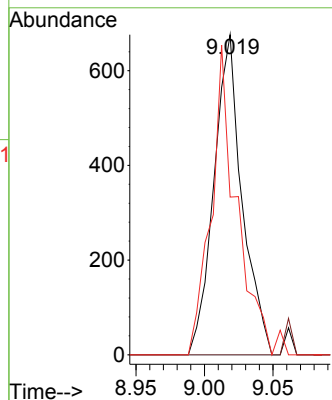
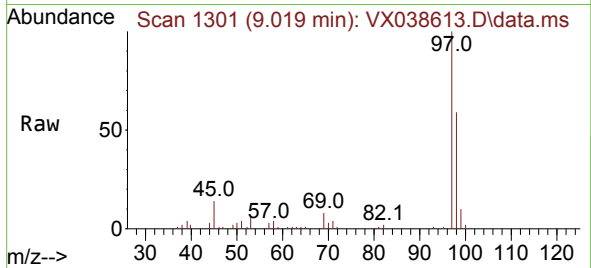




#56
Ethyl methacrylate
Concen: 0.206 ug/l
RT: 9.019 min Scan# 11
Delta R.T. -0.097 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

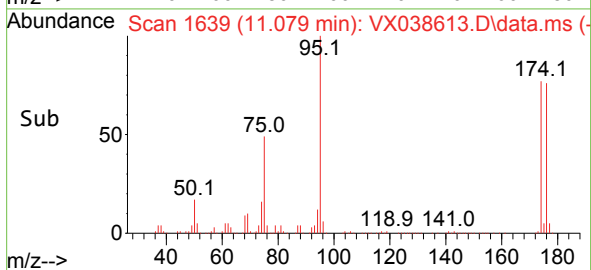
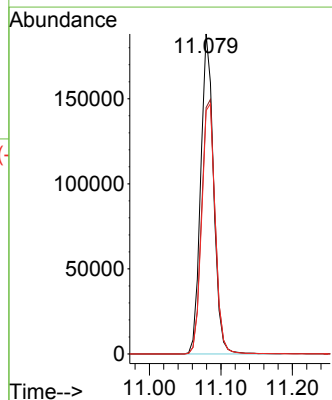
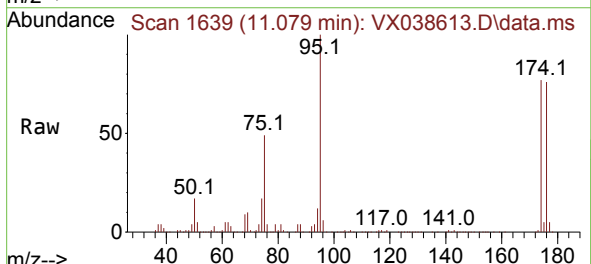
Instrument :
MSVOA_X
ClientSampleId :

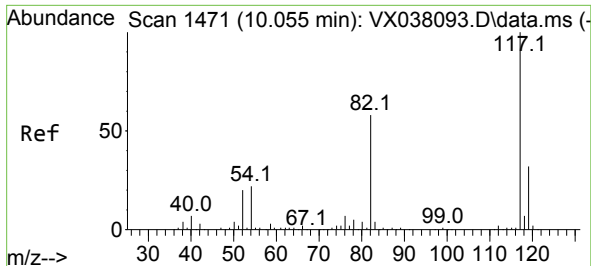
Tgt Ion: 69 Resp: 971
Ion Ratio Lower Upper
69 100
41 0.0 56.8 85.2#
39 87.8 32.0 48.0#



#62
4-Bromofluorobenzene
Concen: 56.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 95 Resp: 235045
Ion Ratio Lower Upper
95 100
174 84.0 0.0 135.6
176 82.4 0.0 131.0

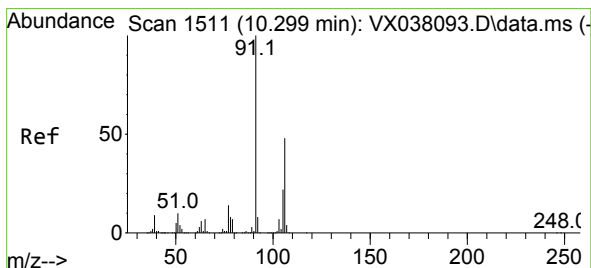
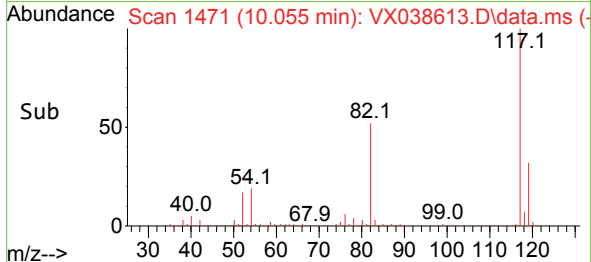
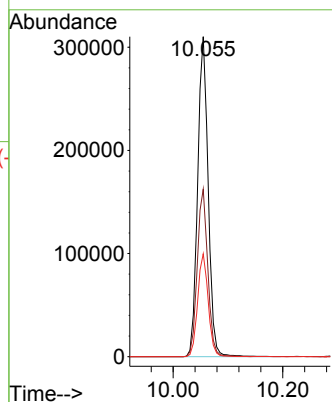
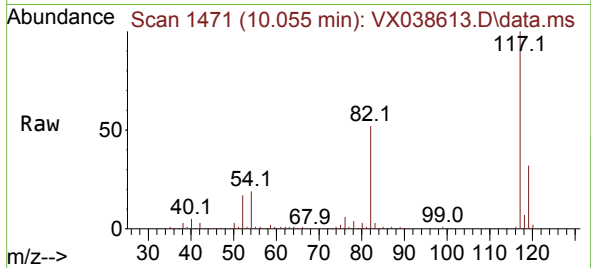




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

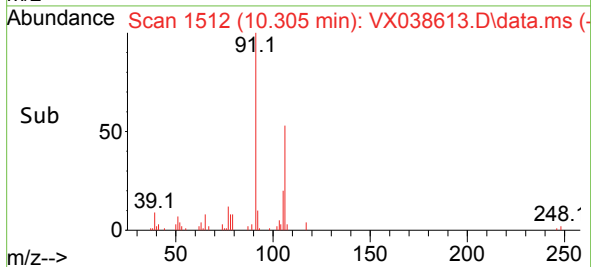
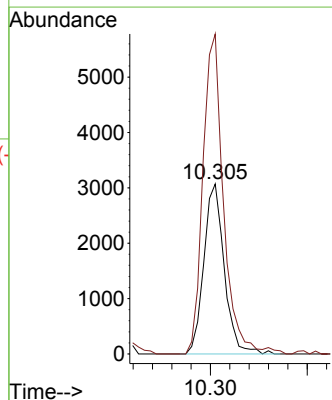
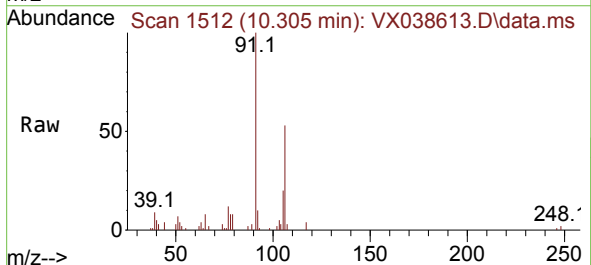
Instrument :
MSVOA_X
ClientSampleId :

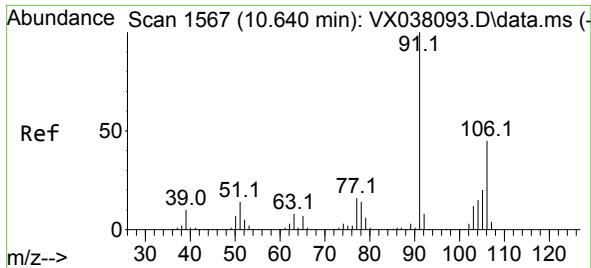
Tgt Ion:117 Resp: 415228
Ion Ratio Lower Upper
117 100
82 52.4 46.2 69.4
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.754 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion:106 Resp: 4519
Ion Ratio Lower Upper
106 100
91 187.1 165.5 248.3

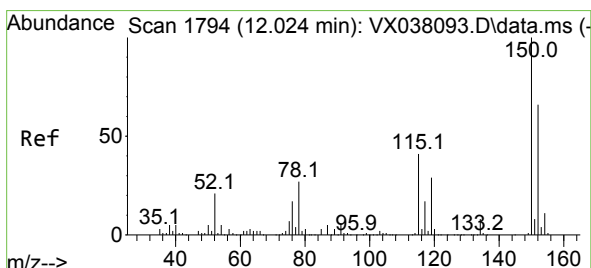
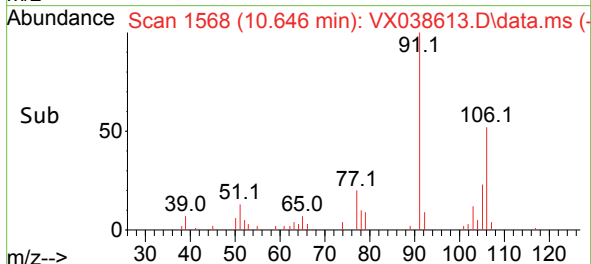
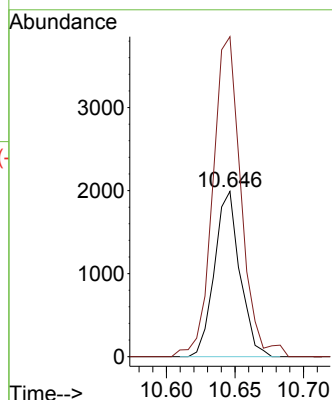
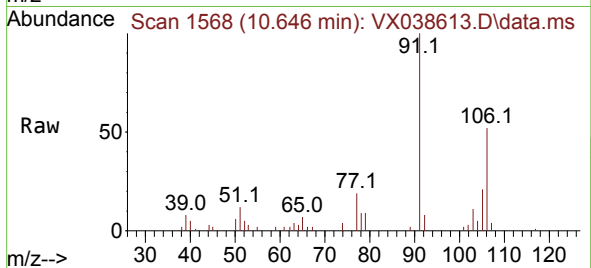




#69
o-Xylene
Concen: 0.439 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

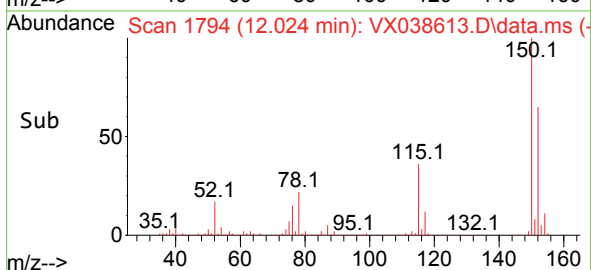
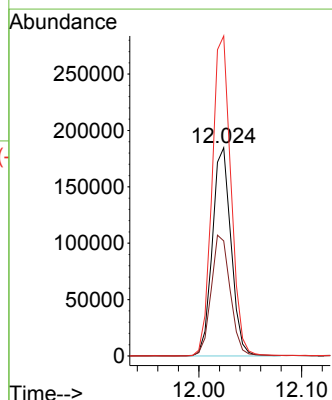
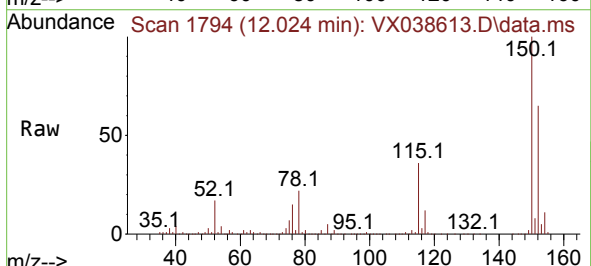
Instrument :
MSVOA_X
ClientSampleId :

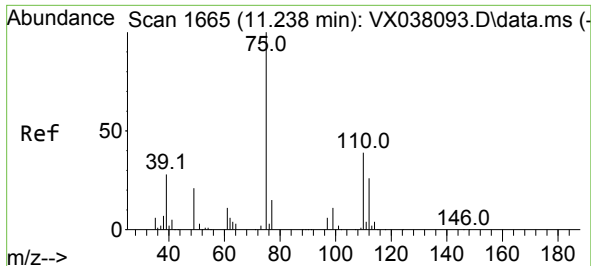
Tgt Ion:106 Resp: 2568
Ion Ratio Lower Upper
106 100
91 214.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion:152 Resp: 232998
Ion Ratio Lower Upper
152 100
115 59.0 43.3 129.9
150 156.0 0.0 345.0

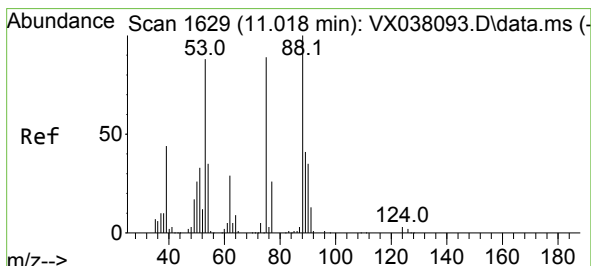
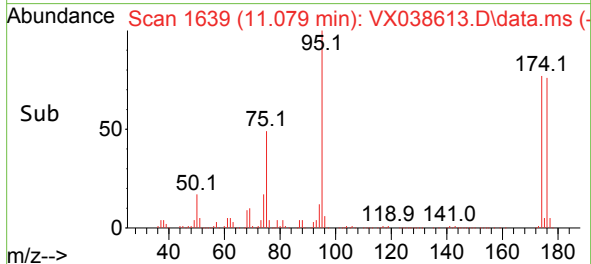
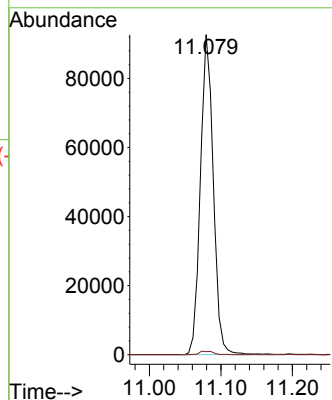
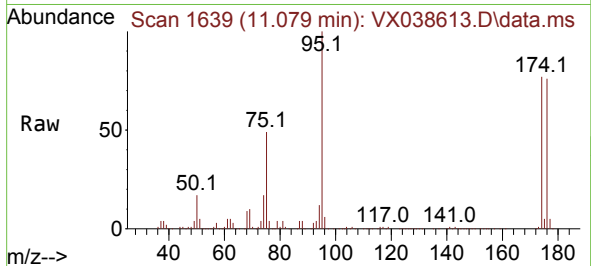




#76
1,2,3-Trichloropropane
Concen: 21.934 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

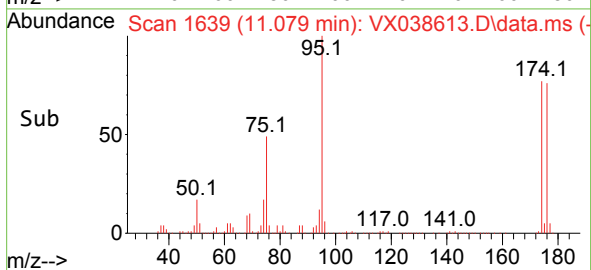
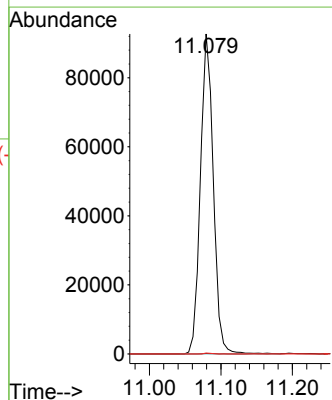
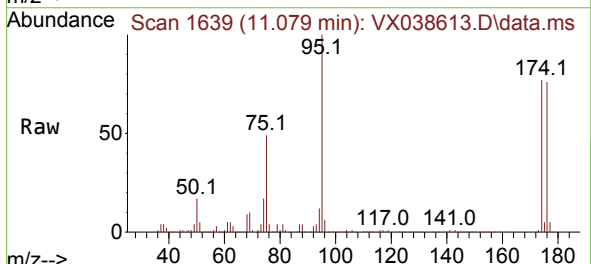
Instrument :
MSVOA_X
ClientSampleId :

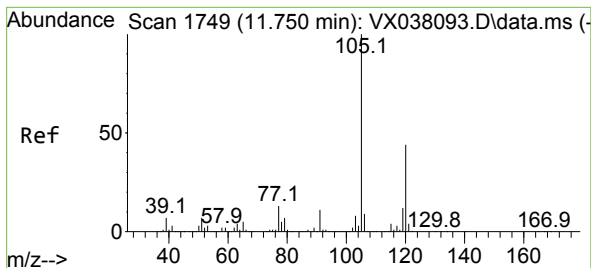
Tgt Ion: 75 Resp: 116183
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.913 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX038613.D
Acq: 27 Oct 2023 19:18

Tgt Ion: 75 Resp: 116183
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.2 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.249 ug/l

RT: 11.750 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX038613.D

Acq: 27 Oct 2023 19:18

Instrument :

MSVOA_X

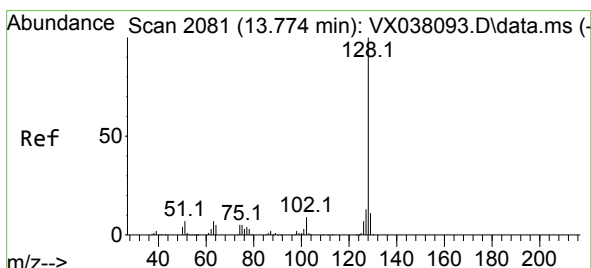
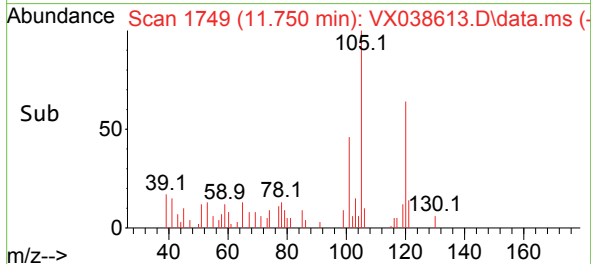
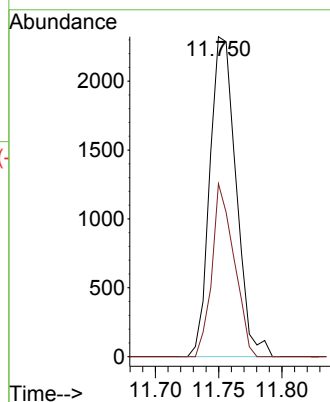
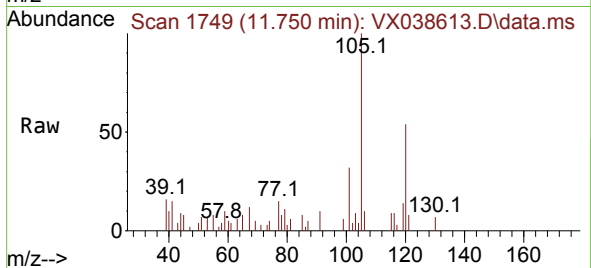
ClientSampleId :

Tgt Ion:105 Resp: 3349

Ion Ratio Lower Upper

105 100

120 45.6 21.2 63.6



#95

Naphthalene

Concen: 6.746 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX038613.D

Acq: 27 Oct 2023 19:18

Tgt Ion:128 Resp: 116061

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.8 8.8 13.2

