

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011124\
 Data File : VX039720.D
 Acq On : 11 Jan 2024 13:21
 Operator : JC/MD
 Sample : P1103-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

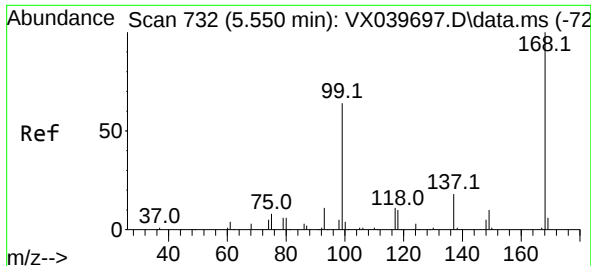
Instrument :
 MSVOA_X
 ClientSampleId :
 240110062-02-VOA

Quant Time: Jan 12 01:53:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	85129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165185	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	160309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67843	47.575	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.140%
35) Dibromofluoromethane	5.385	113	52796	47.453	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.900%
50) Toluene-d8	8.647	98	201120	47.929	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.860%
62) 4-Bromofluorobenzene	11.079	95	80361	48.973	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.940%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	299	0.252	ug/l	97
8) Diethyl Ether	2.136	74	1339	2.116	ug/l	67
11) Tert butyl alcohol	2.995	59	1527850	4115.861	ug/l #	92
16) Acetone	2.380	43	2658	3.314	ug/l	92
19) Methyl tert-butyl Ether	3.105	73	4957	1.363	ug/l	99
29) Tetrahydrofuran	4.995	42	297829	401.489	ug/l	98
40) Benzene	6.031	78	10316	2.104	ug/l	92
49) 1,4-Dioxane	7.671	88	1953	60.587	ug/l #	82
52) Toluene	8.714	92	3352	1.144	ug/l	92
65) Chlorobenzene	10.079	112	3228	0.967	ug/l	92
67) Ethyl Benzene	10.195	91	15481	2.497	ug/l	98
68) m/p-Xylenes	10.299	106	8644	3.792	ug/l	89
69) o-Xylene	10.640	106	6729	2.981	ug/l	99
73) Isopropylbenzene	10.963	105	5939	1.052	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2260	0.471	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	5643	1.180	ug/l	95
86) p-Isopropyltoluene	12.006	119	7347	1.547	ug/l	92
88) 1,4-Dichlorobenzene	12.036	146	4988	2.004	ug/l	84
95) Naphthalene	13.780	128	7959	1.485	ug/l	97

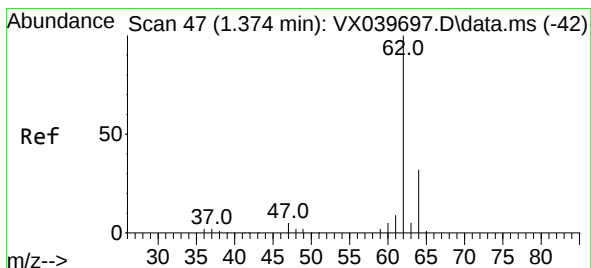
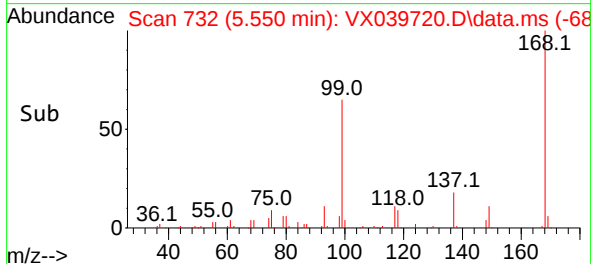
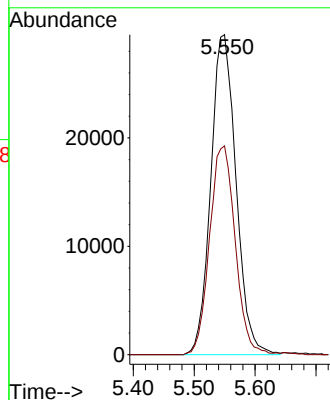
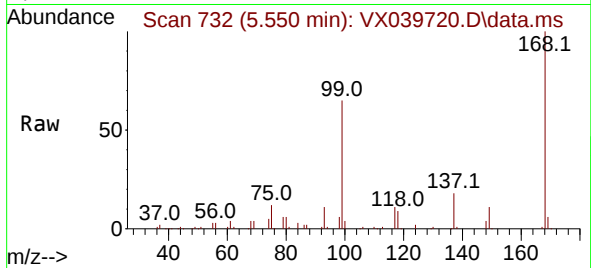
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

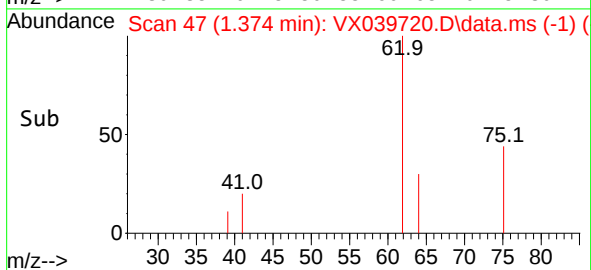
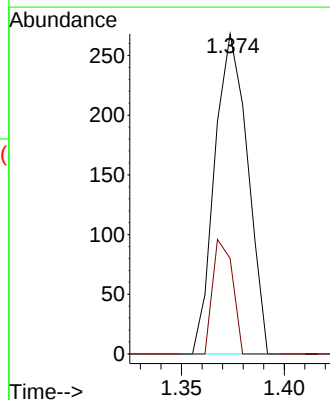
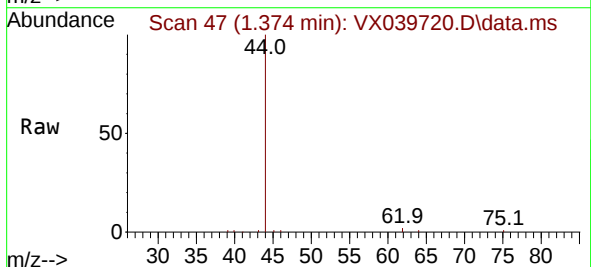
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

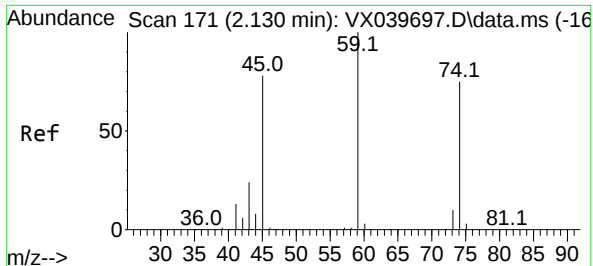
Tgt Ion:168 Resp: 85129
Ion Ratio Lower Upper
168 100
99 65.3 56.6 85.0



#4
Vinyl Chloride
Concen: 0.252 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 62 Resp: 299
Ion Ratio Lower Upper
62 100
64 29.9 25.4 38.0

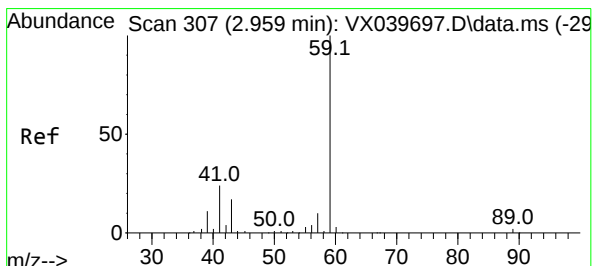
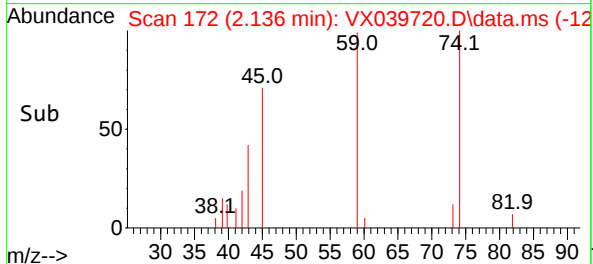
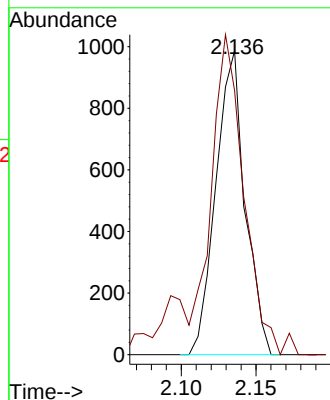
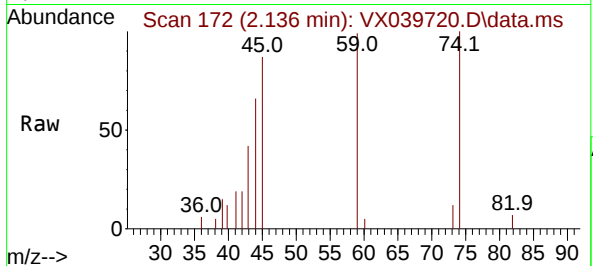




#8
Diethyl Ether
Concen: 2.116 ug/l
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

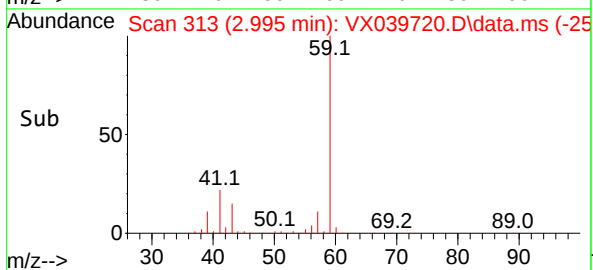
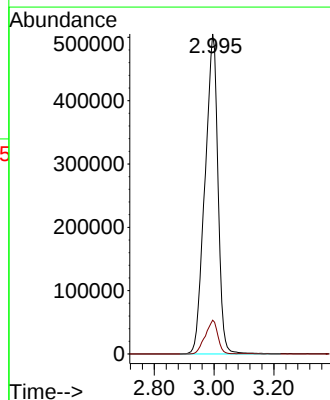
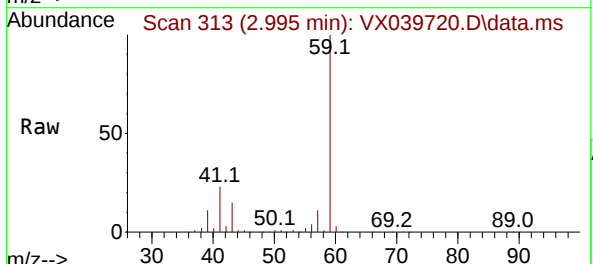
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

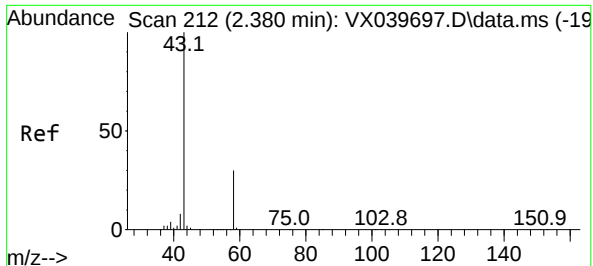
Tgt Ion: 74 Resp: 1339
Ion Ratio Lower Upper
74 100
45 140.3 53.3 159.8



#11
Tert butyl alcohol
Concen: 4115.861 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.037 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 59 Resp: 1527850
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#

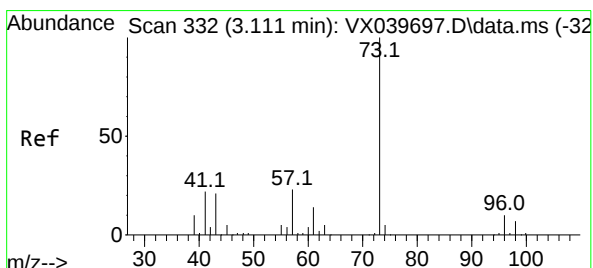
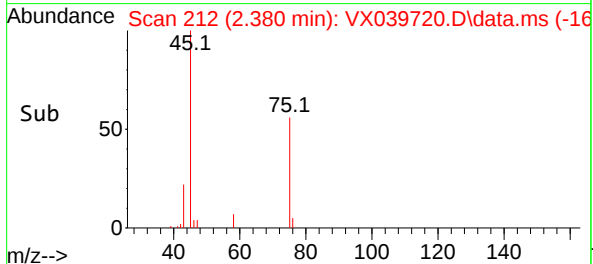
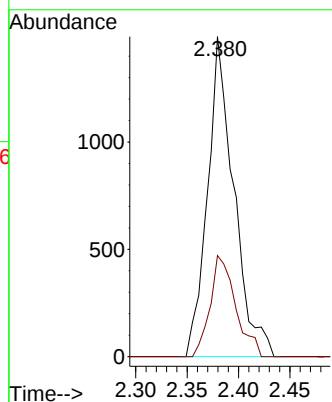
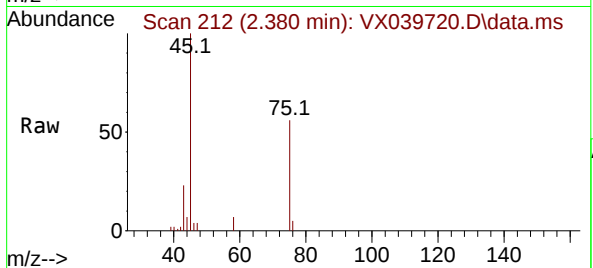




#16
Acetone
Concen: 3.314 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

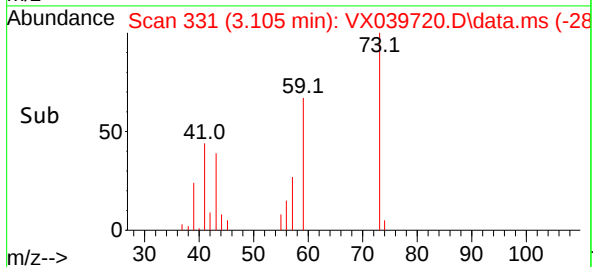
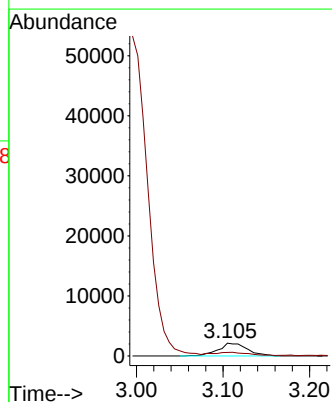
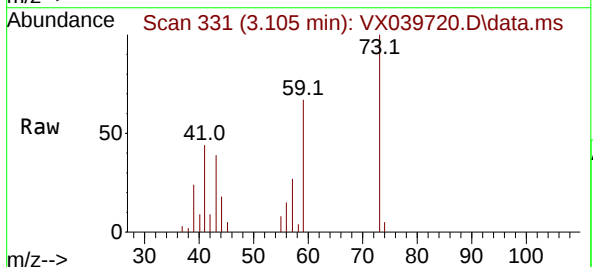
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

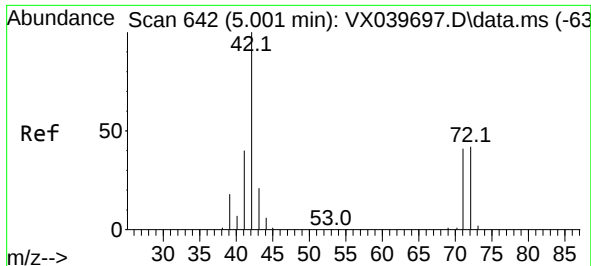
Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 31.6 21.9 32.9



#19
Methyl tert-butyl Ether
Concen: 1.363 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 73 Resp: 4957
Ion Ratio Lower Upper
73 100
57 21.9 17.3 25.9





#29

Tetrahydrofuran

Concen: 401.489 ug/l

RT: 4.995 min Scan# 641

Delta R.T. -0.006 min

Lab File: VX039720.D

Acq: 11 Jan 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

240110062-02-VOA

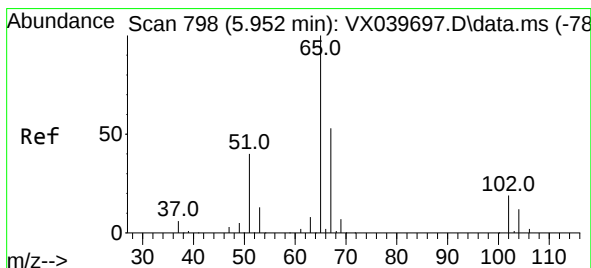
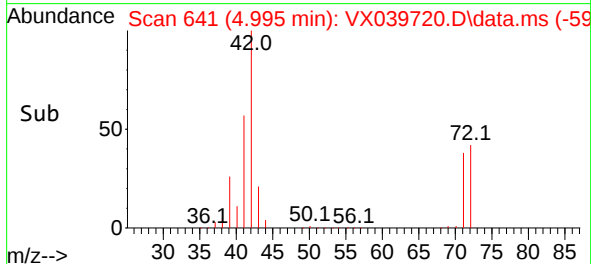
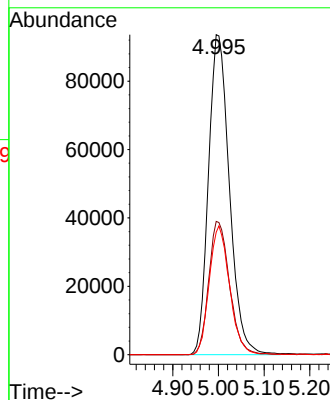
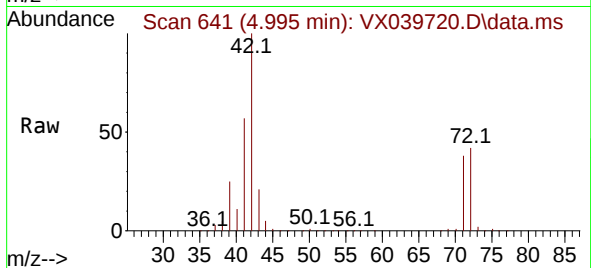
Tgt Ion: 42 Resp: 297829

Ion Ratio Lower Upper

42 100

72 41.5 34.2 51.4

71 39.0 32.2 48.2



#33

1,2-Dichloroethane-d4

Concen: 47.575 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX039720.D

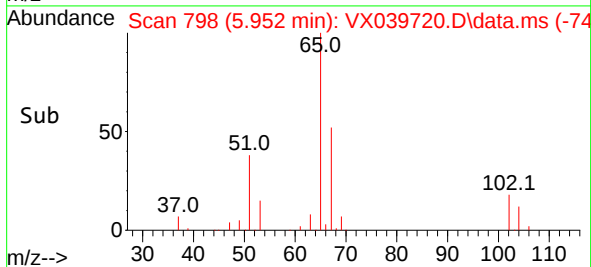
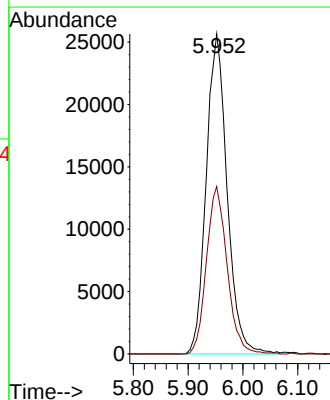
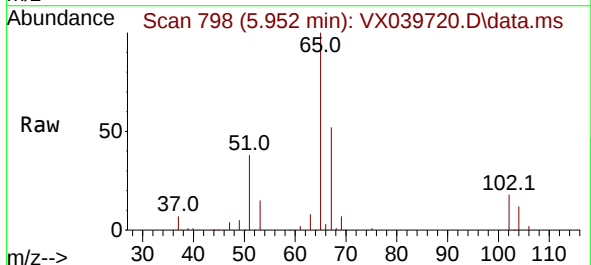
Acq: 11 Jan 2024 13:21

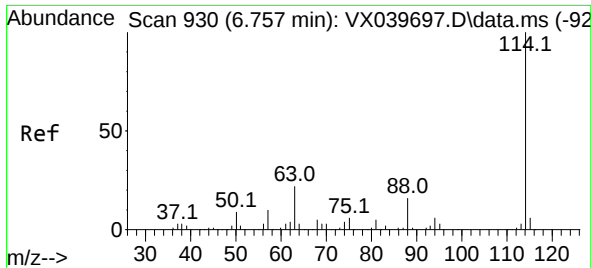
Tgt Ion: 65 Resp: 67843

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2

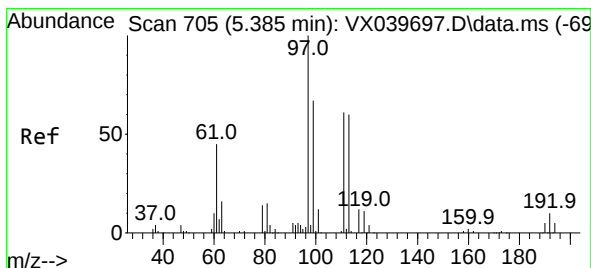
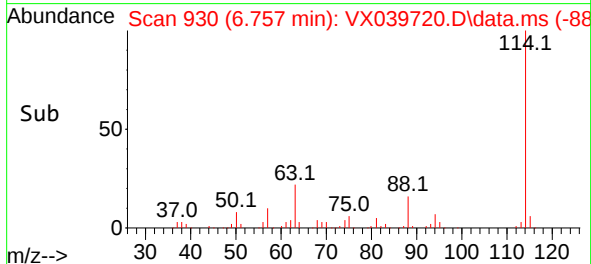
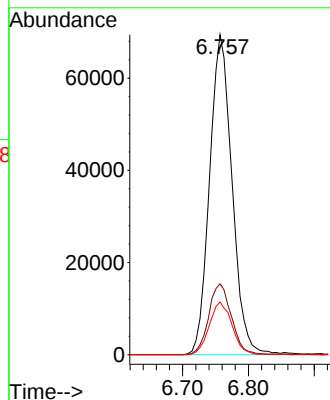
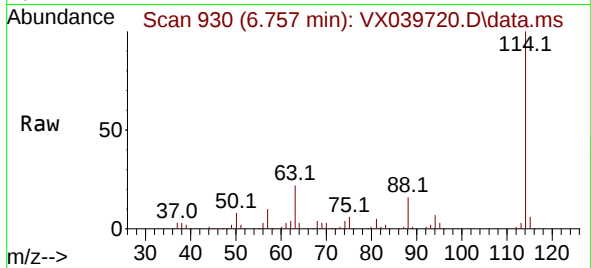




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

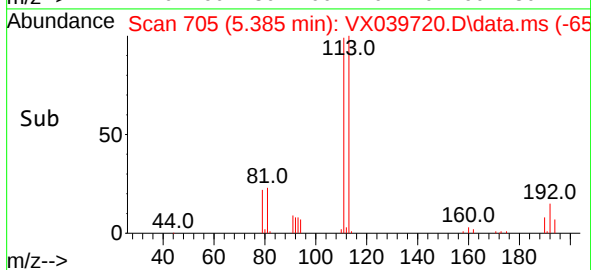
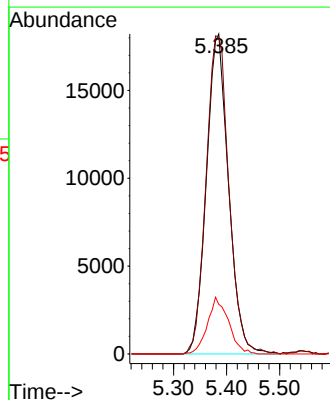
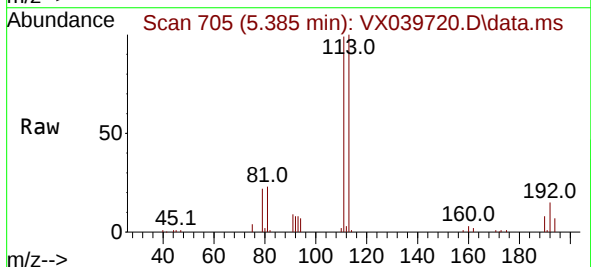
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

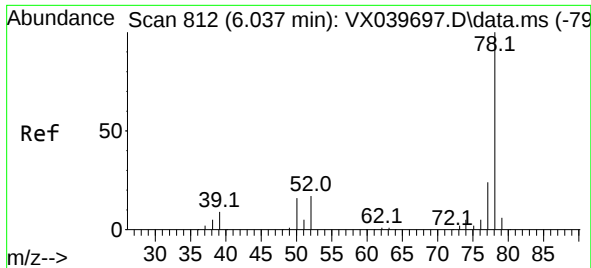
Tgt Ion:114 Resp: 165185
Ion Ratio Lower Upper
114 100
63 22.2 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.453 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion:113 Resp: 52796
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 16.9 13.3 19.9

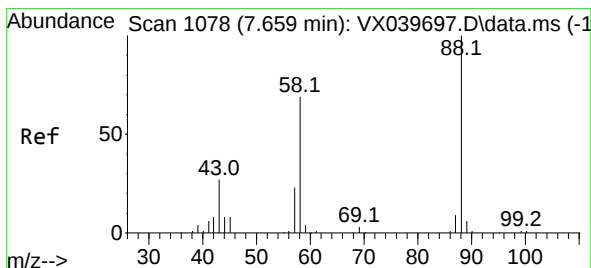
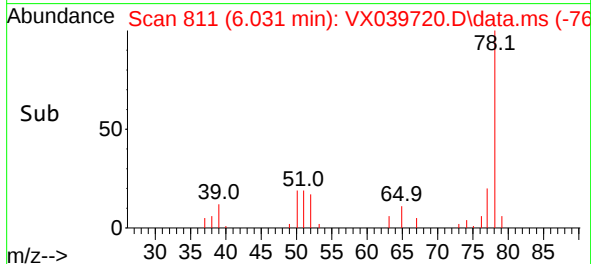
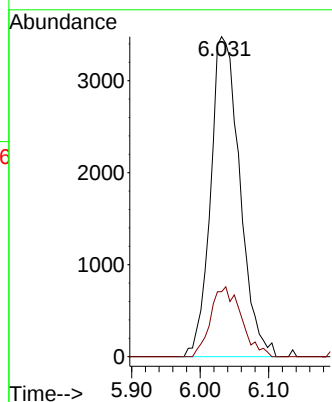
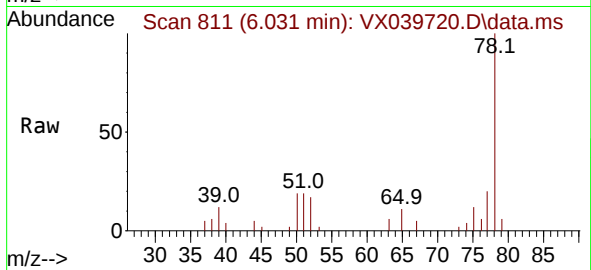




#40
Benzene
Concen: 2.104 ug/l
RT: 6.031 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

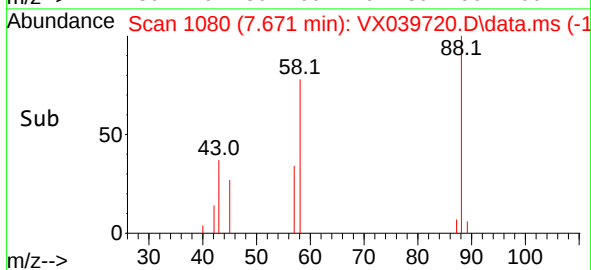
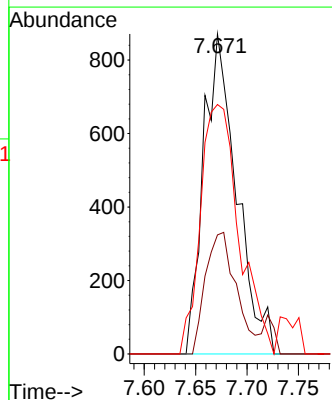
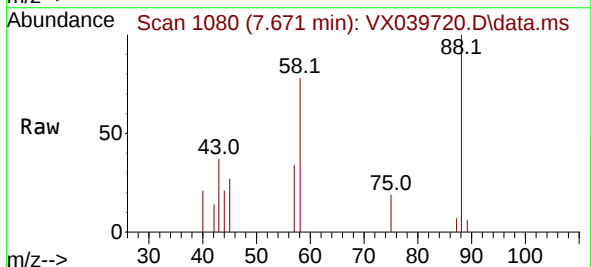
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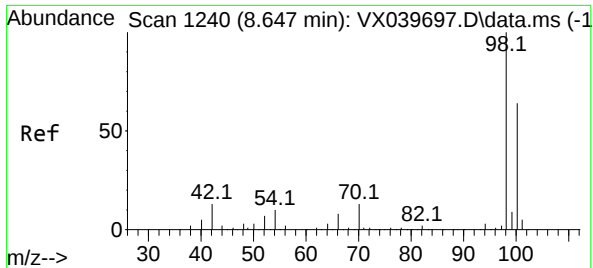
Tgt Ion: 78 Resp: 10316
Ion Ratio Lower Upper
78 100
77 20.3 19.3 28.9



#49
1,4-Dioxane
Concen: 60.587 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.012 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 88 Resp: 1953
Ion Ratio Lower Upper
88 100
43 35.1 0.0 0.0#
58 90.6 60.1 90.1#

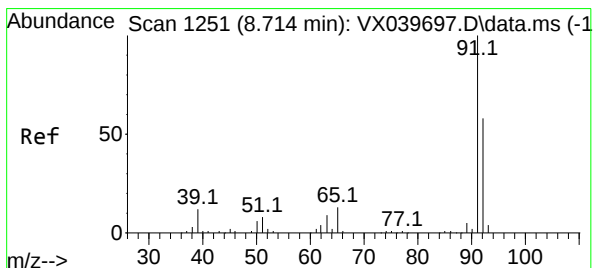
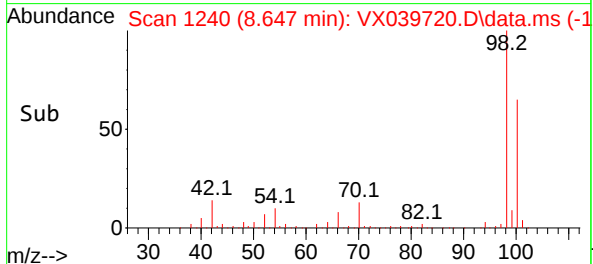
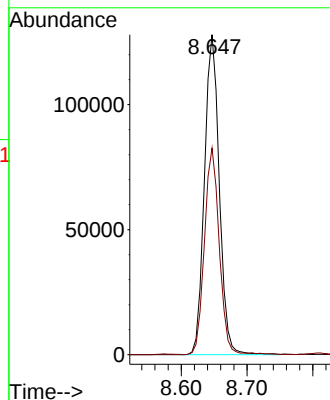
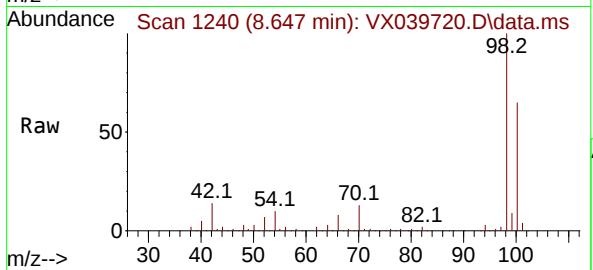




#50
Toluene-d8
Concen: 47.929 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

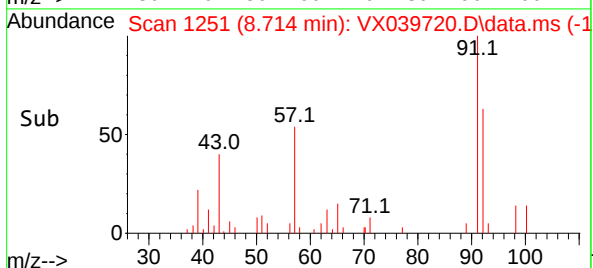
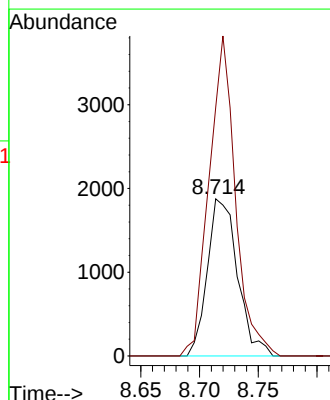
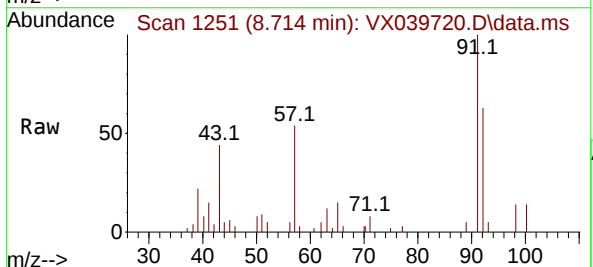
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

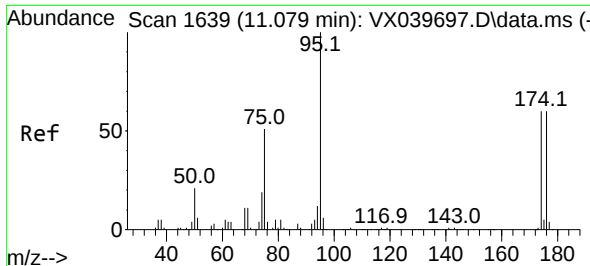
Tgt Ion: 98 Resp: 201120
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#52
Toluene
Concen: 1.144 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 92 Resp: 3352
Ion Ratio Lower Upper
92 100
91 178.6 134.2 201.2

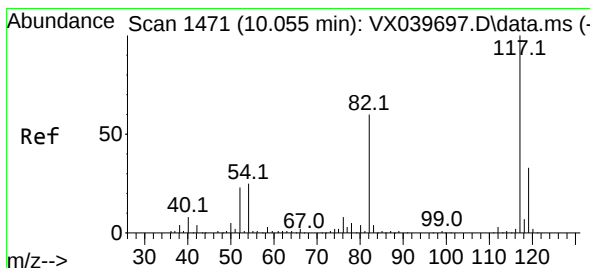
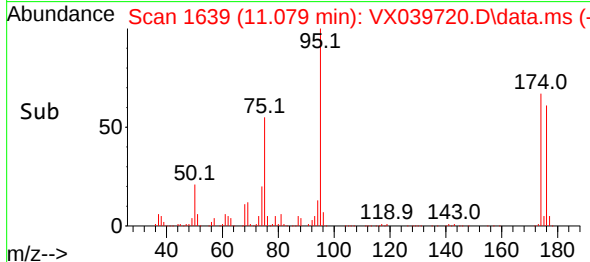
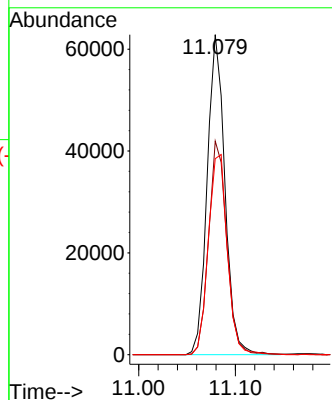
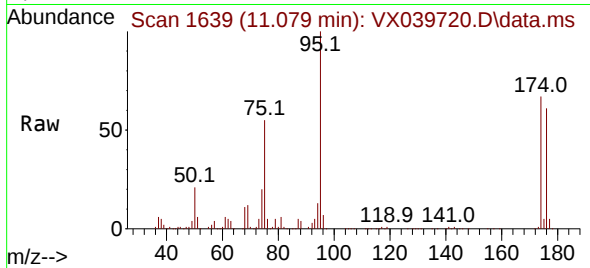




#62
4-Bromofluorobenzene
Concen: 48.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

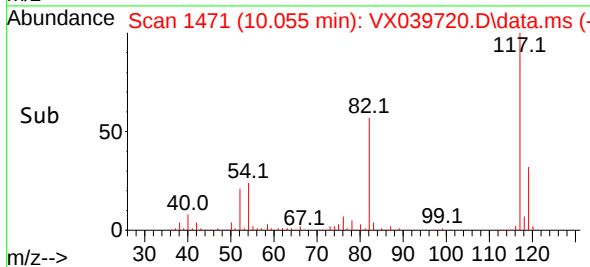
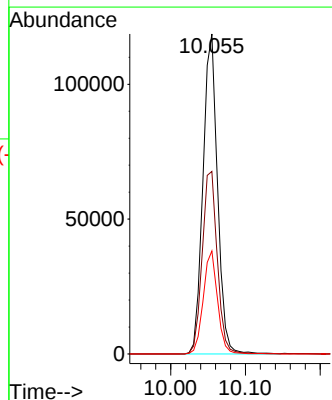
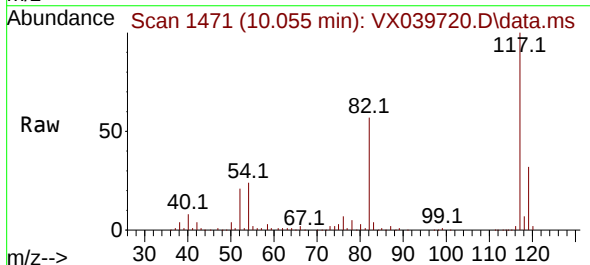
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

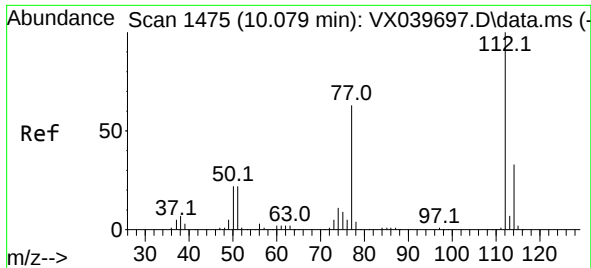
Tgt Ion: 95 Resp: 80361
Ion Ratio Lower Upper
95 100
174 68.1 0.0 135.6
176 67.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 117 Resp: 160309
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 32.2 25.5 38.3

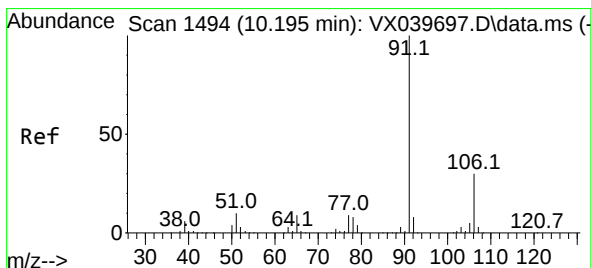
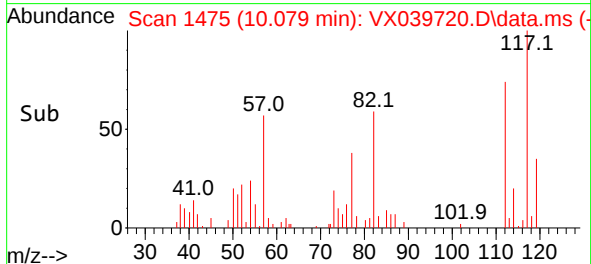
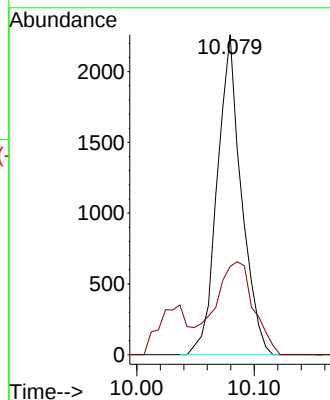
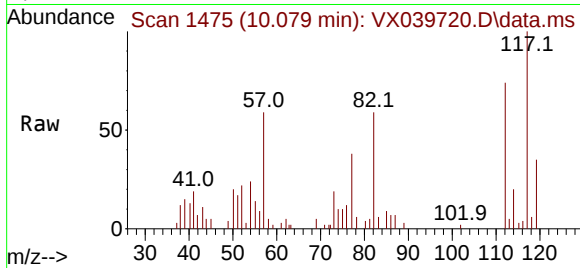




#65
Chlorobenzene
Concen: 0.967 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

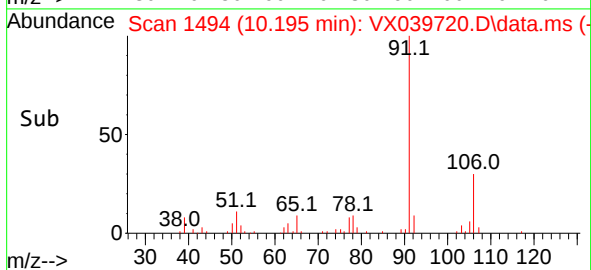
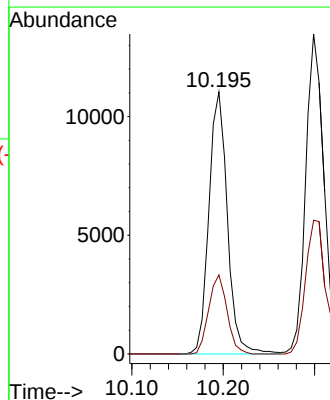
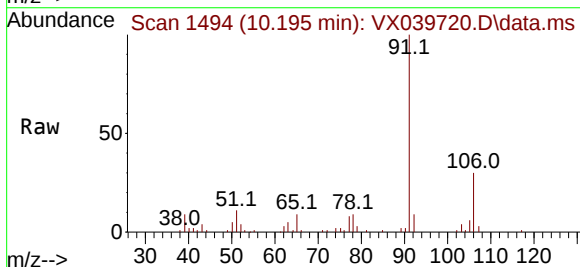
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

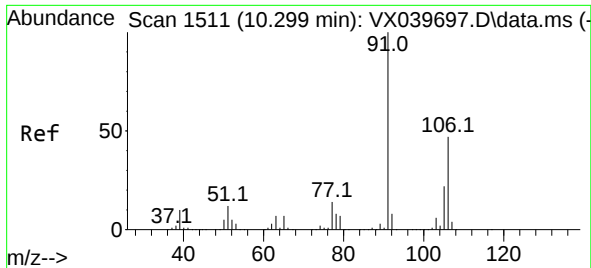
Tgt Ion:112 Resp: 3228
Ion Ratio Lower Upper
112 100
114 27.6 25.7 38.5



#67
Ethyl Benzene
Concen: 2.497 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion: 91 Resp: 15481
Ion Ratio Lower Upper
91 100
106 30.2 24.9 37.3

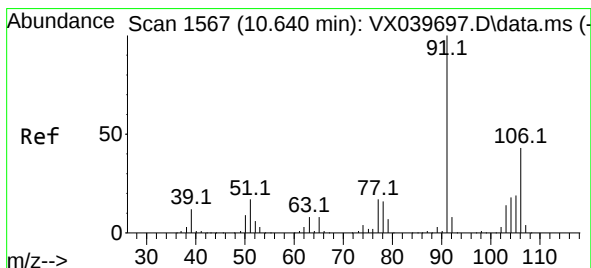
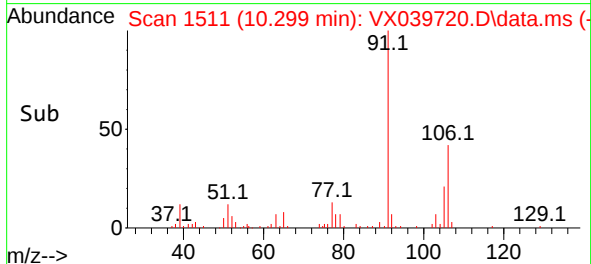
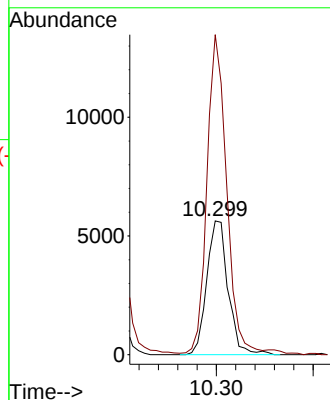
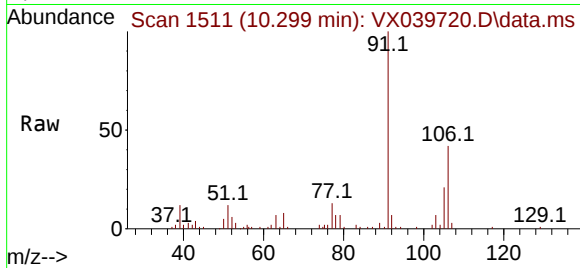




#68
m/p-Xylenes
Concen: 3.792 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

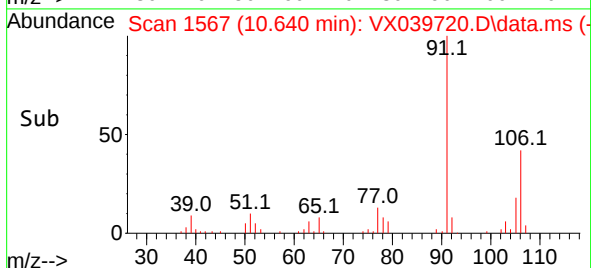
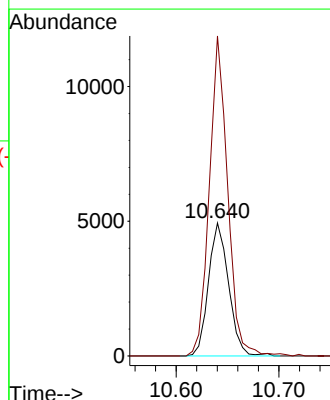
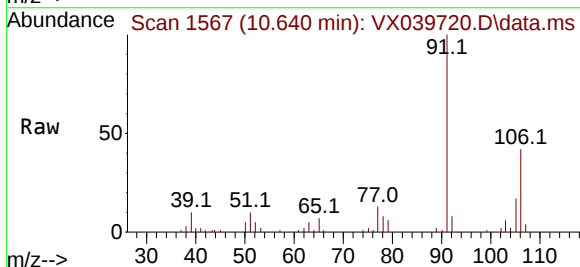
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

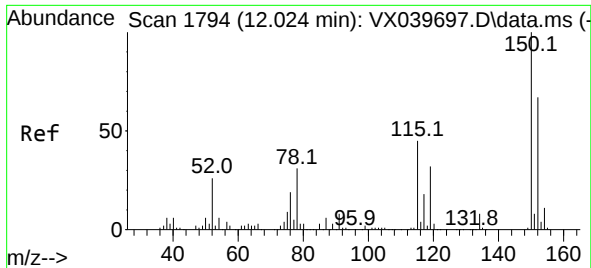
Tgt Ion:106 Resp: 8644
Ion Ratio Lower Upper
106 100
91 223.7 165.5 248.3



#69
o-Xylene
Concen: 2.981 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion:106 Resp: 6729
Ion Ratio Lower Upper
106 100
91 219.2 108.9 326.8

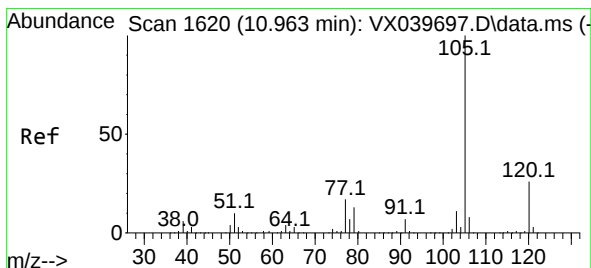
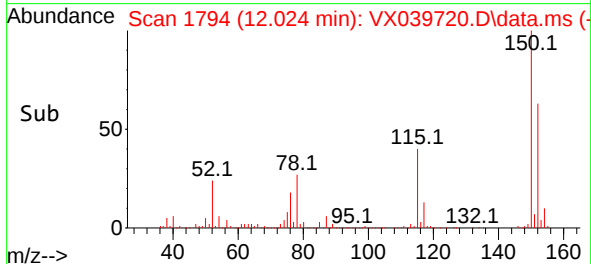
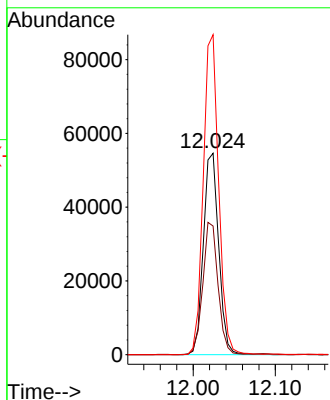
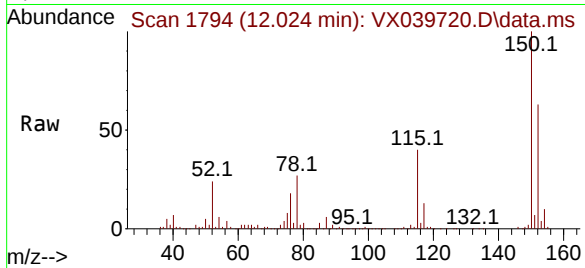




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

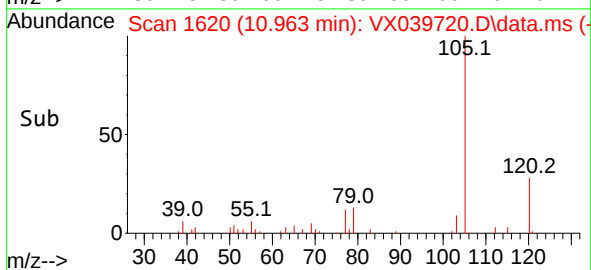
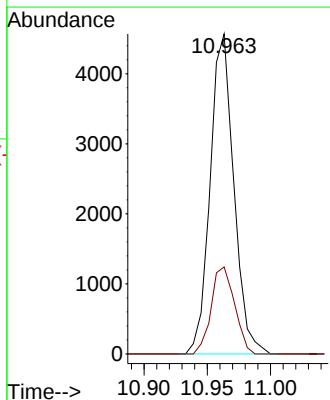
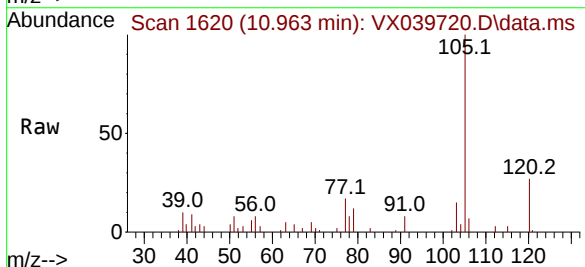
Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA

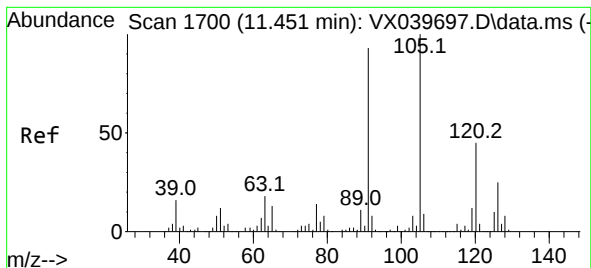
Tgt Ion:152 Resp: 70912
Ion Ratio Lower Upper
152 100
115 65.3 43.3 129.9
150 159.0 0.0 345.0



#73
Isopropylbenzene
Concen: 1.052 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Tgt Ion:105 Resp: 5939
Ion Ratio Lower Upper
105 100
120 26.9 12.9 38.6





#80

1,3,5-Trimethylbenzene

Concen: 0.471 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039720.D

Acq: 11 Jan 2024 13:21

Instrument :

MSVOA_X

ClientSampleId :

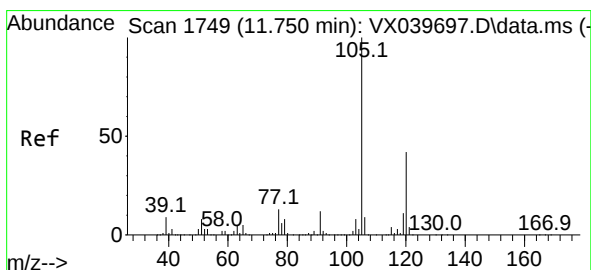
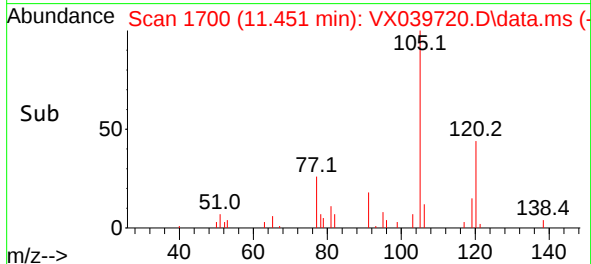
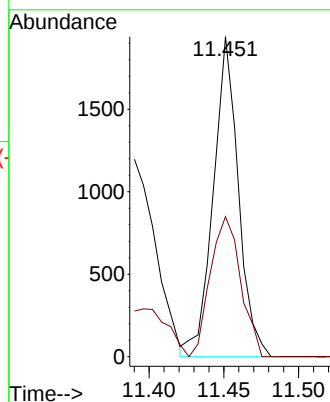
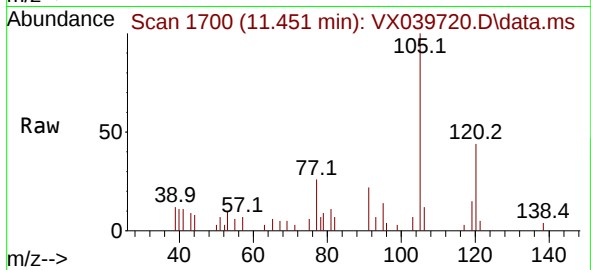
240110062-02-VOA

Tgt Ion:105 Resp: 2260

Ion Ratio Lower Upper

105 100

120 52.9 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 1.180 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039720.D

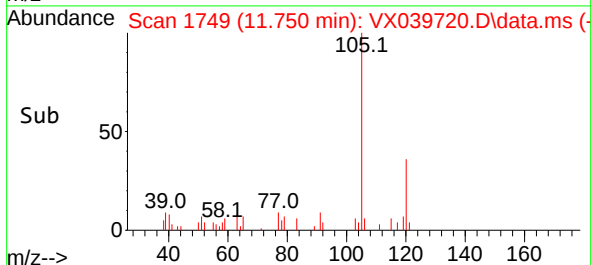
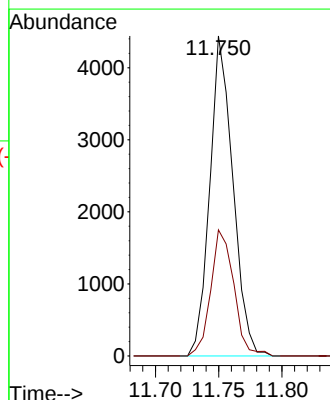
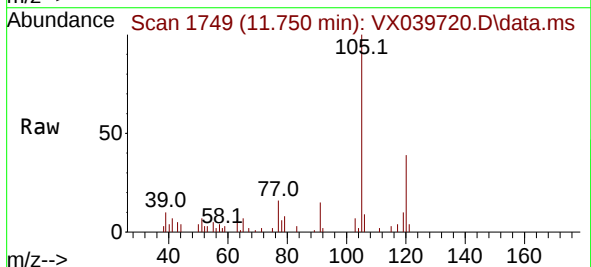
Acq: 11 Jan 2024 13:21

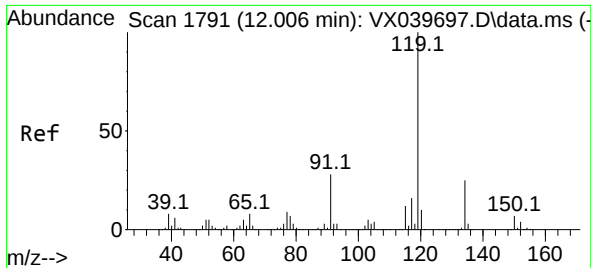
Tgt Ion:105 Resp: 5643

Ion Ratio Lower Upper

105 100

120 39.3 21.2 63.6

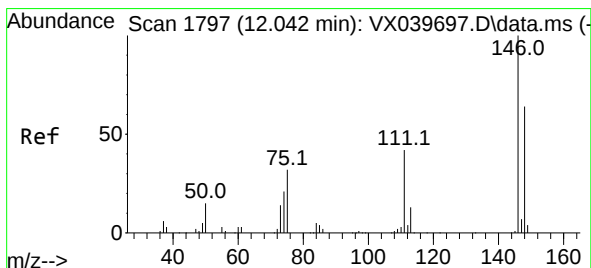
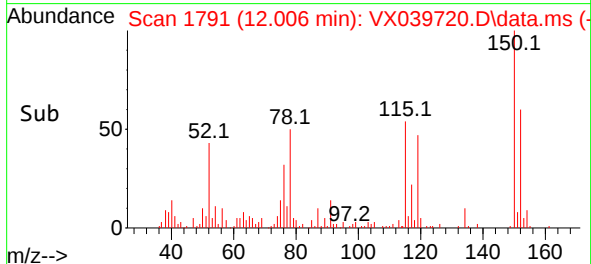
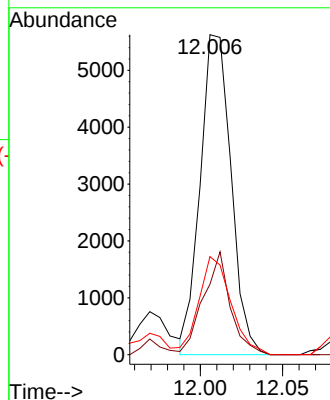
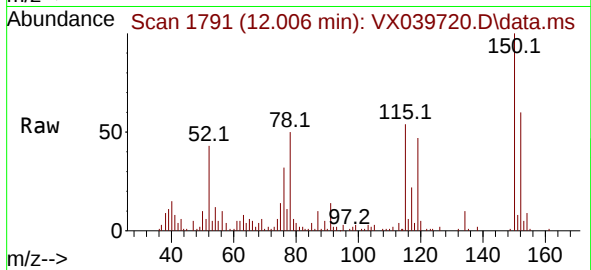




#86
 p-Isopropyltoluene
 Concen: 1.547 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX039720.D
 Acq: 11 Jan 2024 13:21

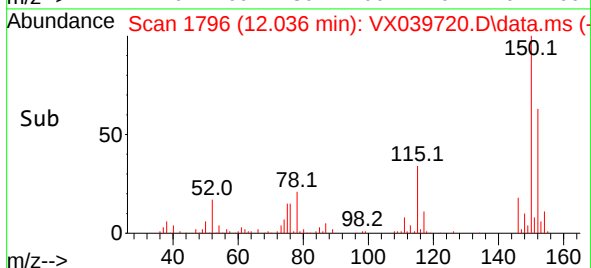
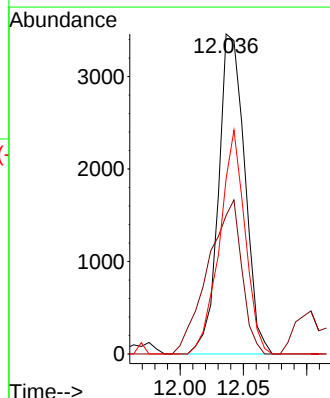
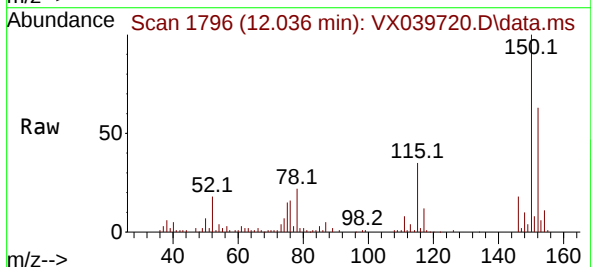
Instrument :
 MSVOA_X
 ClientSampleId :
 240110062-02-VOA

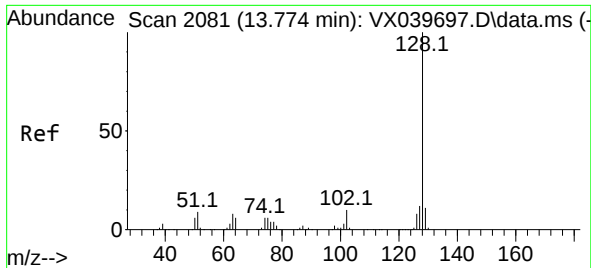
Tgt Ion:119 Resp: 7347
 Ion Ratio Lower Upper
 119 100
 134 27.9 12.8 38.3
 91 32.4 13.1 39.3



#88
 1,4-Dichlorobenzene
 Concen: 2.004 ug/l
 RT: 12.036 min Scan# 1796
 Delta R.T. -0.006 min
 Lab File: VX039720.D
 Acq: 11 Jan 2024 13:21

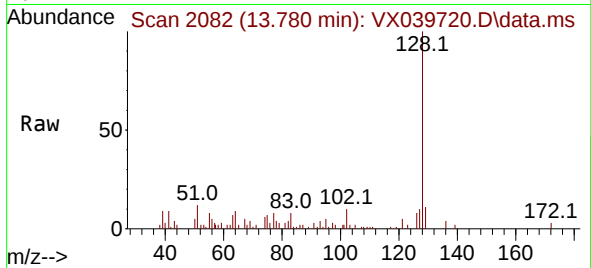
Tgt Ion:146 Resp: 4988
 Ion Ratio Lower Upper
 146 100
 111 62.1 21.3 63.7
 148 67.9 31.8 95.4





#95
Naphthalene
Concen: 1.485 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039720.D
Acq: 11 Jan 2024 13:21

Instrument :
MSVOA_X
ClientSampleId :
240110062-02-VOA



Tgt Ion:	128	Resp:	7959
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	12.8	8.8	13.2

