

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080322\
 Data File : VX030372.D
 Acq On : 03 Aug 2022 15:47
 Operator : JC/MD
 Sample : N3988-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 63022-C

Quant Time: Aug 04 04:41:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

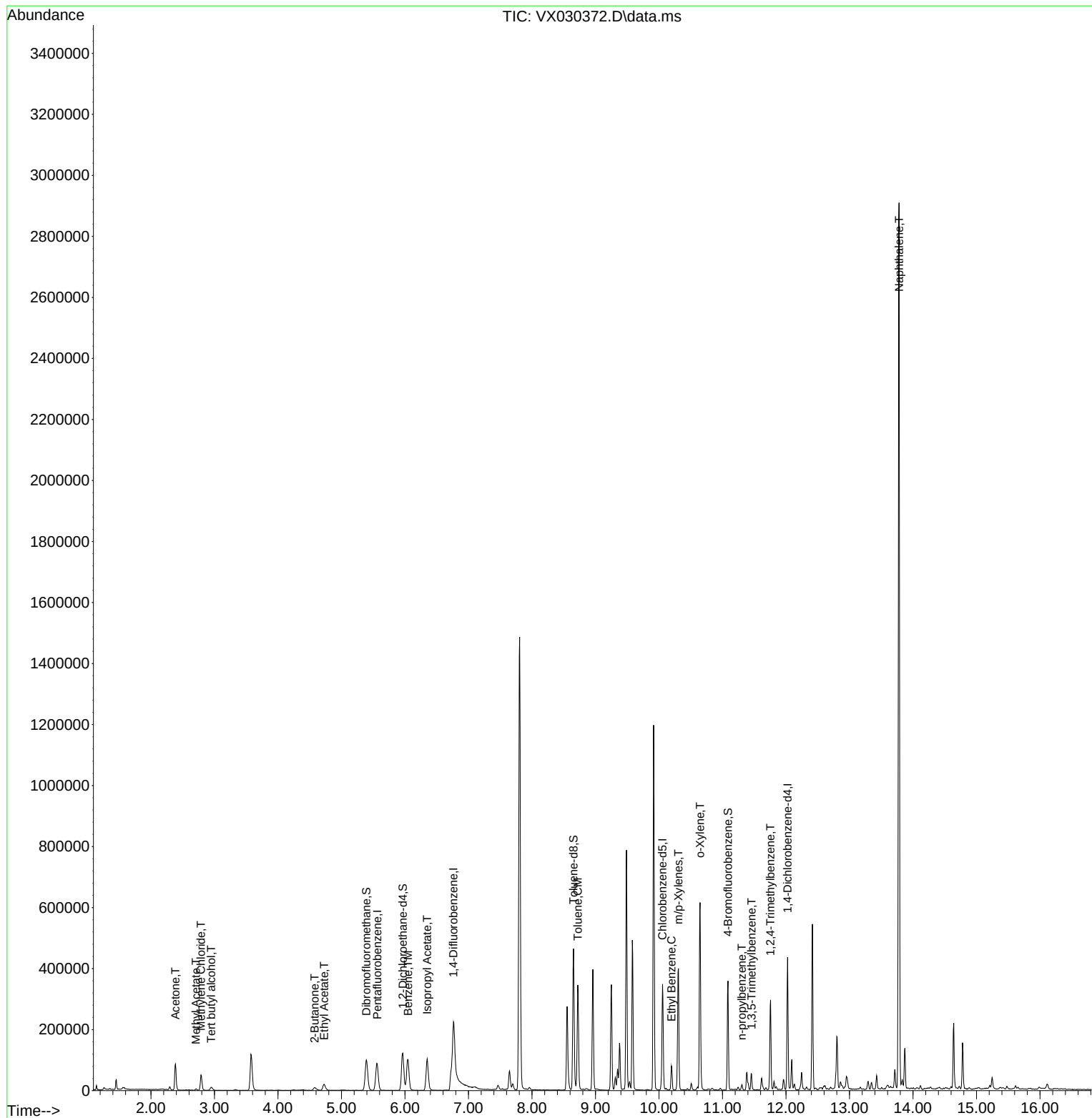
Internal Standards						
1) Pentafluorobenzene	5.562	168	79597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	120282	75.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 150.360%#			
35) Dibromofluoromethane	5.391	113	87258	57.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.980%			
50) Toluene-d8	8.653	98	262587	44.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.340%			
62) 4-Bromofluorobenzene	11.086	95	93806	43.003	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.000%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.947	59	7959	20.395	ug/l #	78
16) Acetone	2.386	43	90992	111.090	ug/l	89
18) Methyl Acetate	2.709	43	5792	2.391	ug/l	91
20) Methylene Chloride	2.788	84	22447	14.171	ug/l	93
25) 2-Butanone	4.574	43	12228	8.884	ug/l #	82
37) Ethyl Acetate	4.727	43	35443	11.459	ug/l	99
40) Benzene	6.050	78	122122	17.770	ug/l	97
43) Isopropyl Acetate	6.349	43	140048	30.886	ug/l	95
52) Toluene	8.720	92	123731	29.510	ug/l	99
67) Ethyl Benzene	10.195	91	45129	6.526	ug/l	94
68) m/p-Xylenes	10.305	106	88973	33.224	ug/l	88
69) o-Xylene	10.647	106	104644	39.646	ug/l	87
78) n-propylbenzene	11.305	91	7686	1.037	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	24085	4.633	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	108275	20.876	ug/l	76
95) Naphthalene	13.780	128	1739832	276.115	ug/l	99

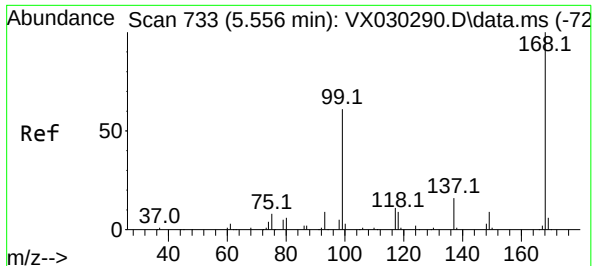
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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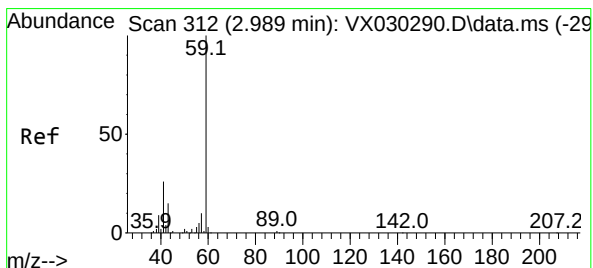
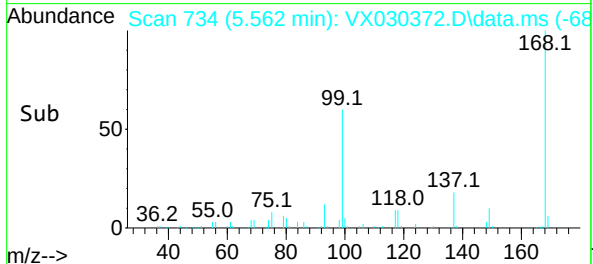
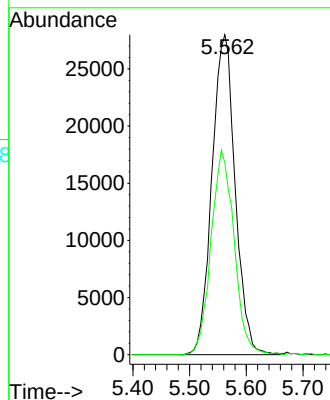
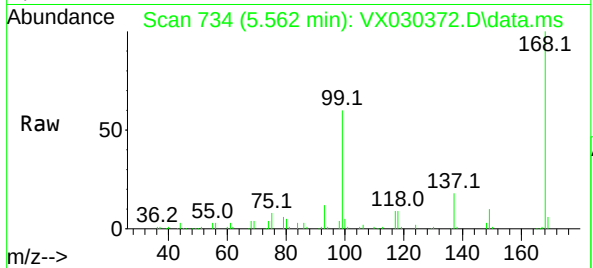




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

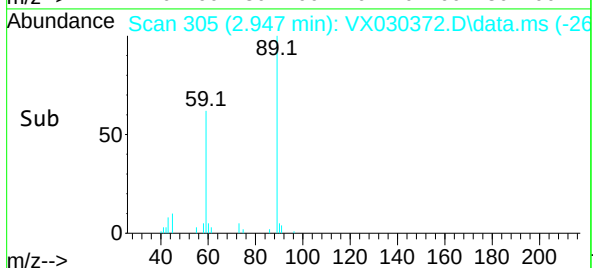
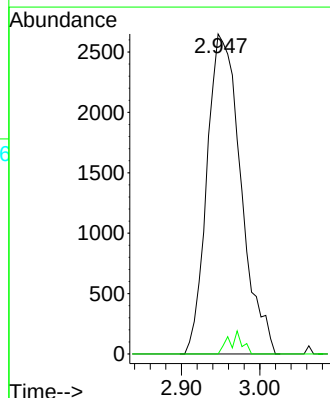
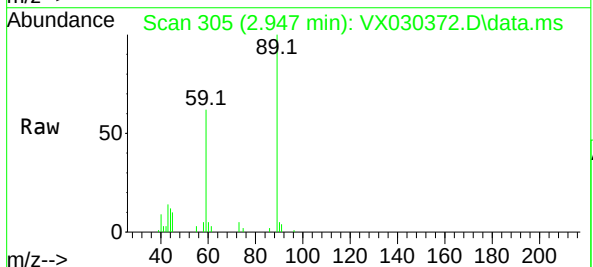
Instrument :
MSVOA_X
ClientSampleId :
63022-C

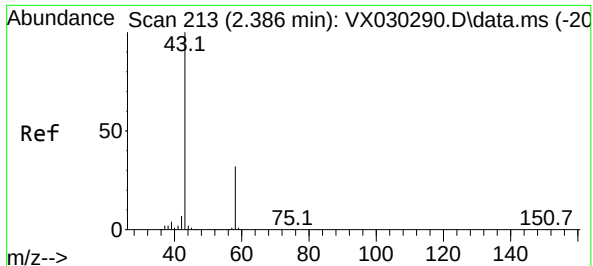
Tgt Ion:168 Resp: 79597
Ion Ratio Lower Upper
168 100
99 60.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 20.395 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion: 59 Resp: 7959
Ion Ratio Lower Upper
59 100
57 1.2 7.4 11.2#

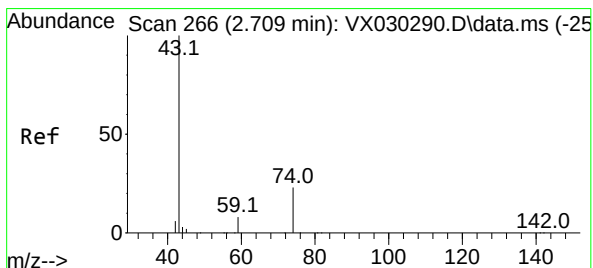
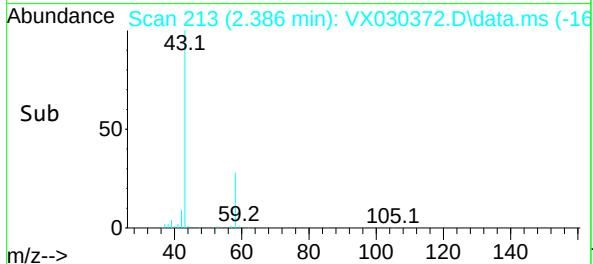
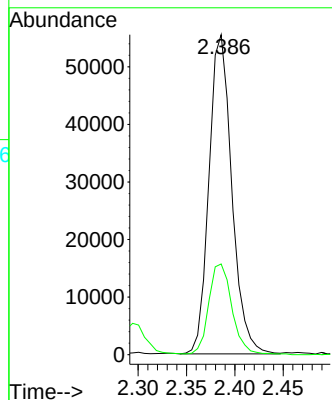
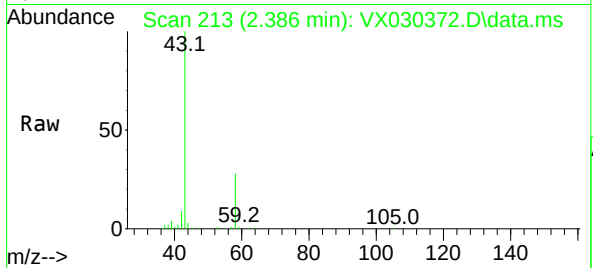




#16
Acetone
Concen: 111.090 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

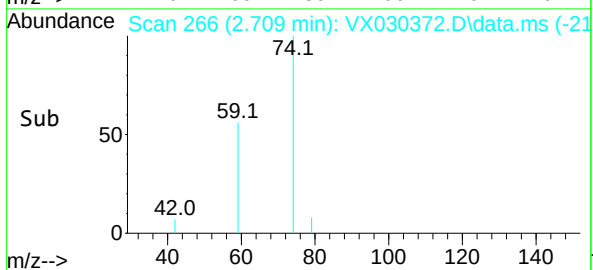
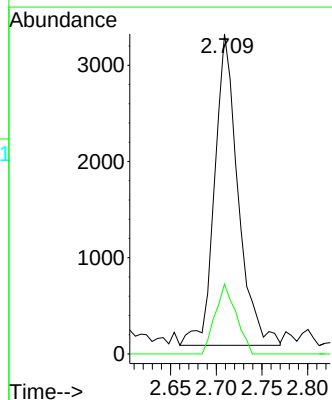
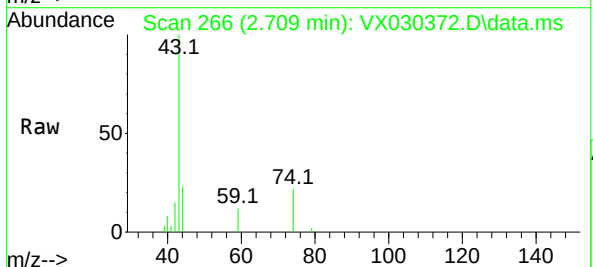
Instrument :
MSVOA_X
ClientSampleId :
63022-C

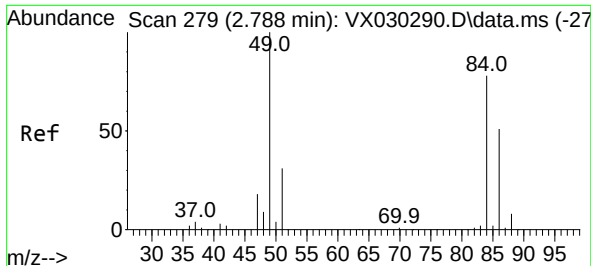
Tgt Ion: 43 Resp: 90992
Ion Ratio Lower Upper
43 100
58 28.2 27.7 41.5



#18
Methyl Acetate
Concen: 2.391 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion: 43 Resp: 5792
Ion Ratio Lower Upper
43 100
74 19.9 19.4 29.2

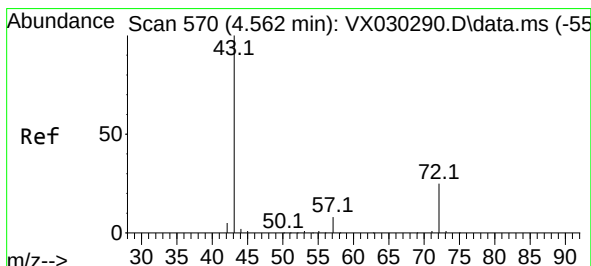
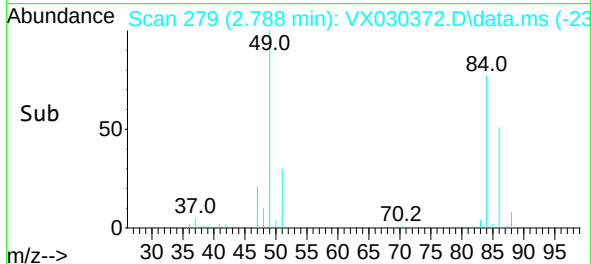
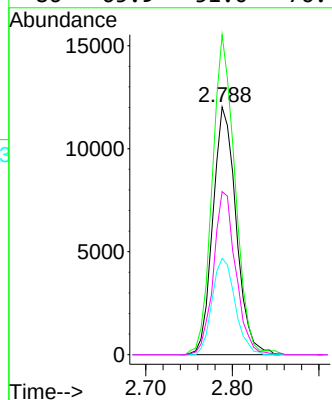
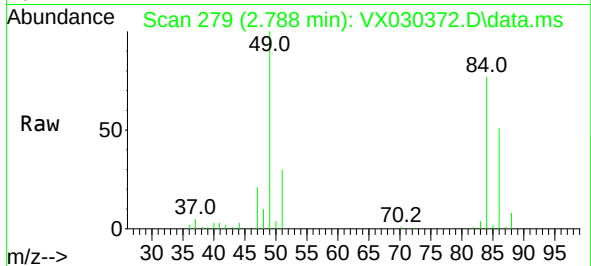




#20
Methylene Chloride
Concen: 14.171 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

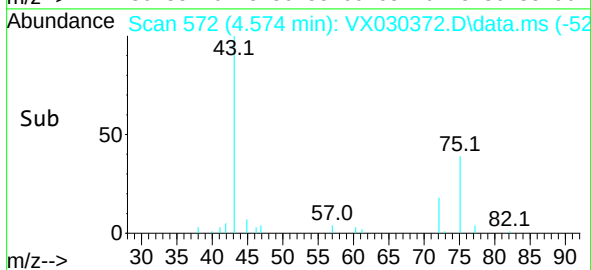
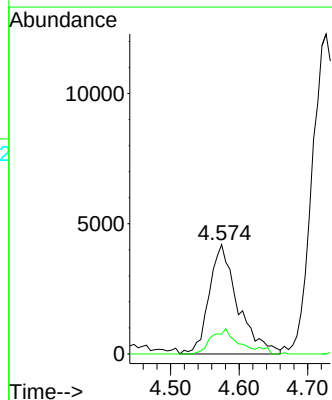
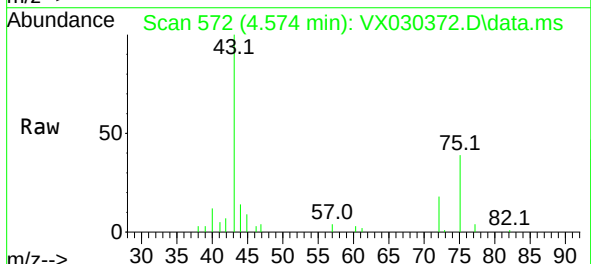
Instrument :
MSVOA_X
ClientSampleId :
63022-C

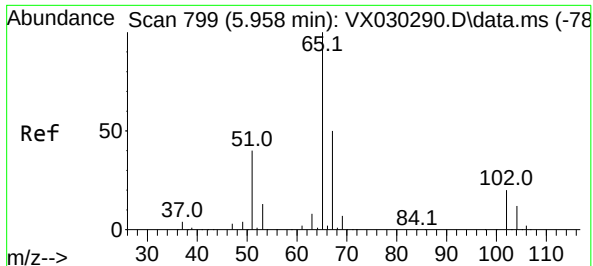
Tgt Ion:	84	Resp:	22447
Ion	Ratio	Lower	Upper
84	100		
49	129.2	93.8	140.6
51	38.9	29.4	44.0
86	65.9	51.0	76.4



#25
2-Butanone
Concen: 8.884 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion:	43	Resp:	12228
Ion	Ratio	Lower	Upper
43	100		
72	18.0	21.7	32.5#





#33

1,2-Dichloroethane-d4

Concen: 75.183 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

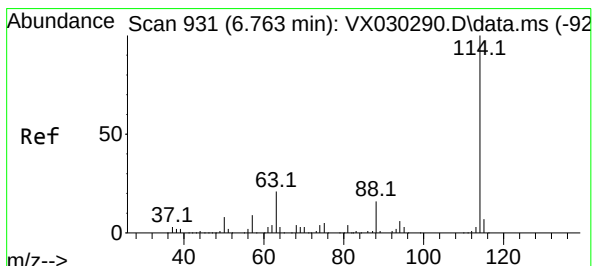
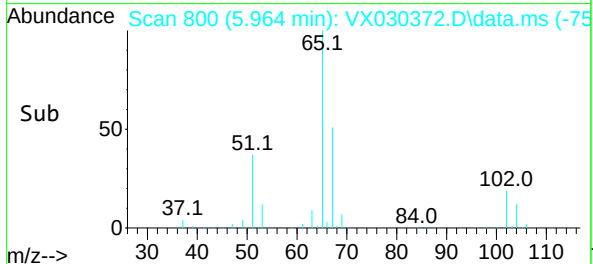
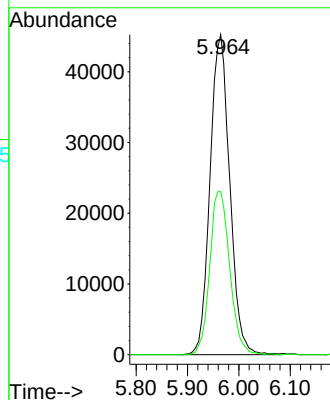
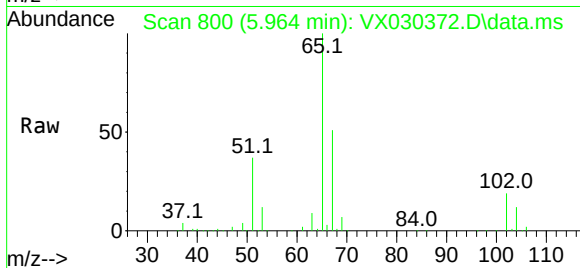
63022-C

Tgt Ion: 65 Resp: 120282

Ion Ratio Lower Upper

65 100

67 51.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

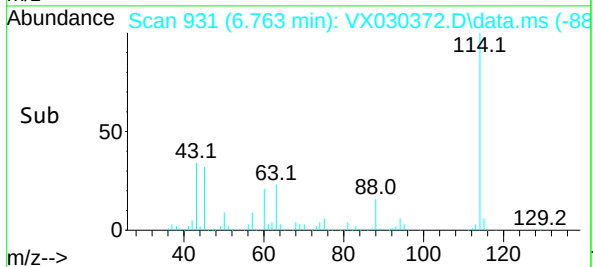
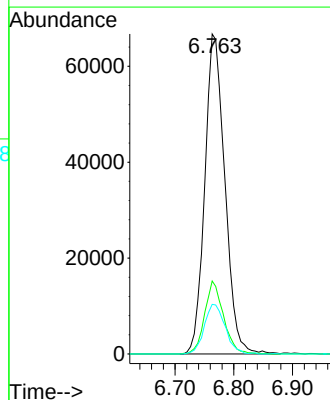
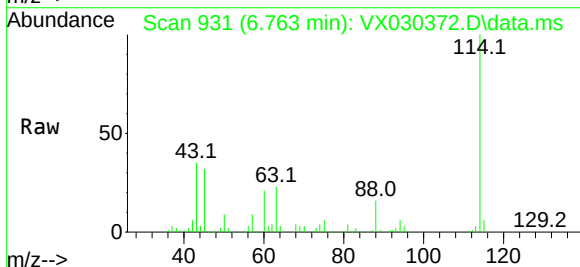
Tgt Ion: 114 Resp: 158770

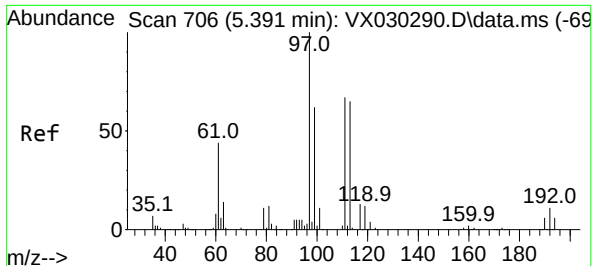
Ion Ratio Lower Upper

114 100

63 22.8 0.0 38.4

88 15.5 0.0 31.8

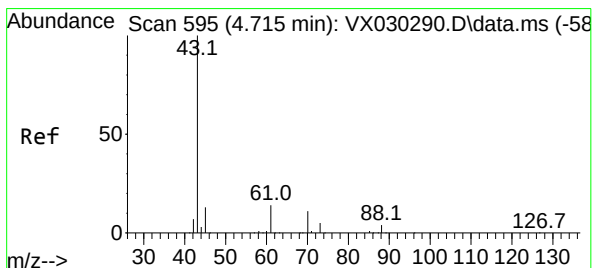
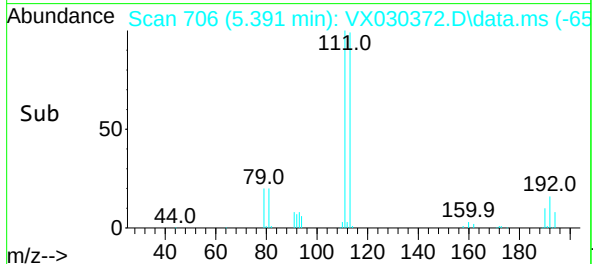
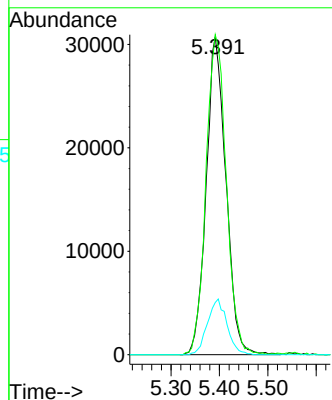
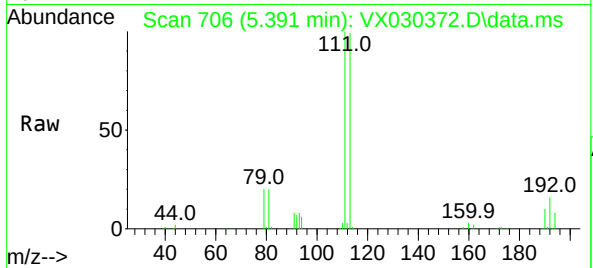




#35
Dibromofluoromethane
Concen: 57.491 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

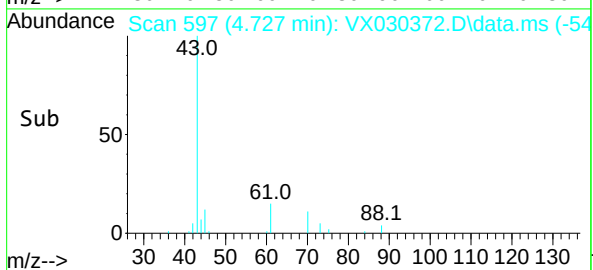
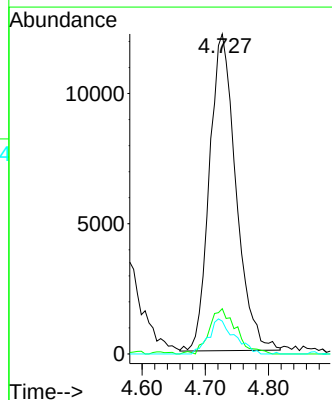
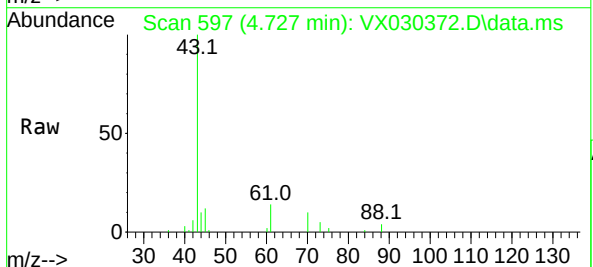
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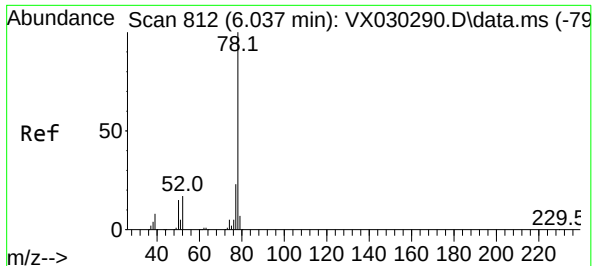
Tgt Ion:113 Resp: 87258
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 17.3 14.8 22.2



#37
Ethyl Acetate
Concen: 11.459 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.007 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion: 43 Resp: 35443
Ion Ratio Lower Upper
43 100
61 14.6 11.7 17.5
70 10.6 9.3 13.9

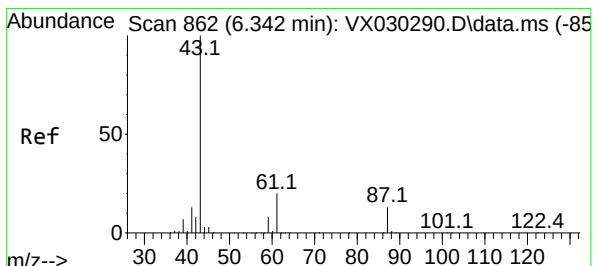
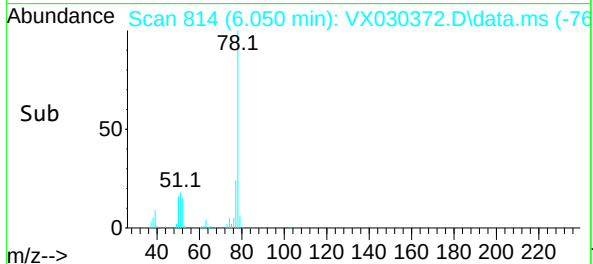
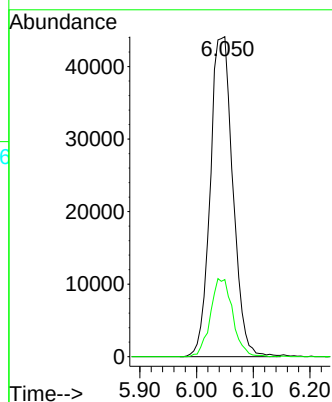
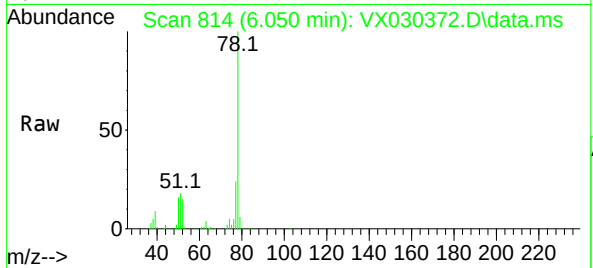




#40
Benzene
Concen: 17.770 ug/l
RT: 6.050 min Scan# 812
Delta R.T. 0.007 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

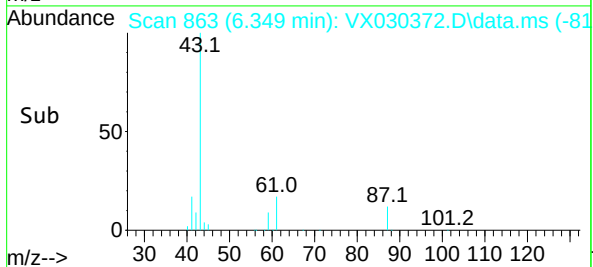
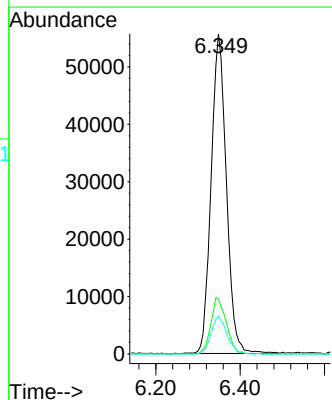
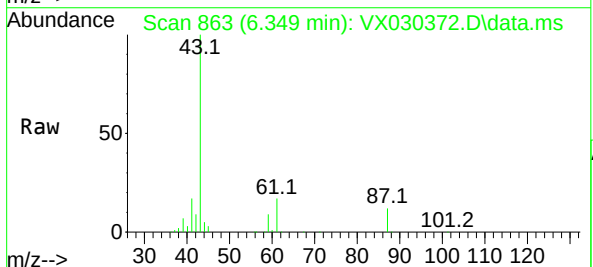
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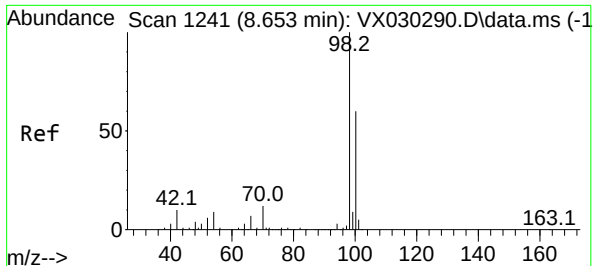
Tgt Ion: 78 Resp: 122122
Ion Ratio Lower Upper
78 100
77 24.1 18.0 27.0



#43
Isopropyl Acetate
Concen: 30.886 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion: 43 Resp: 140048
Ion Ratio Lower Upper
43 100
61 17.8 16.5 24.7
87 12.2 11.1 16.7





#50

Toluene-d8

Concen: 44.675 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

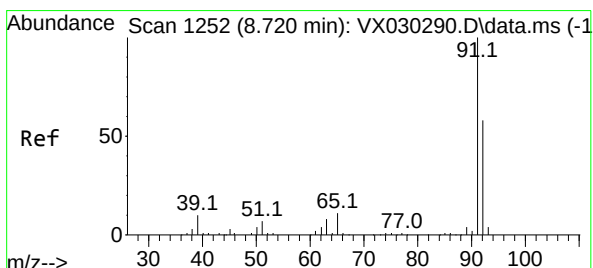
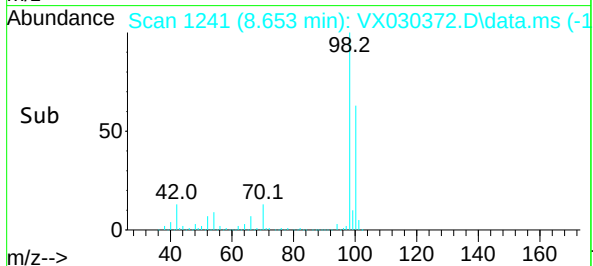
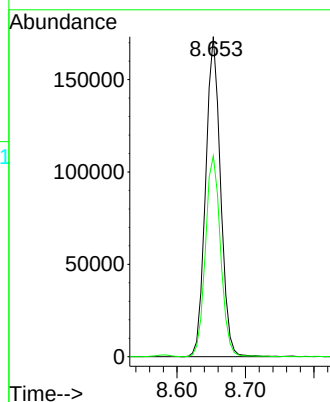
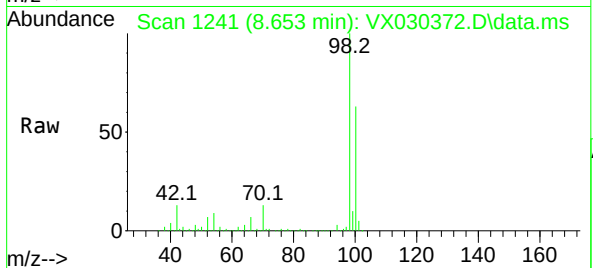
63022-C

Tgt Ion: 98 Resp: 262587

Ion Ratio Lower Upper

98 100

100 63.7 52.3 78.5



#52

Toluene

Concen: 29.510 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX030372.D

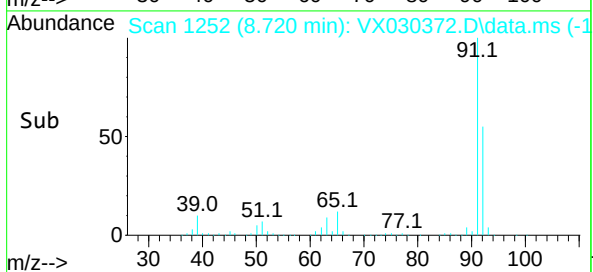
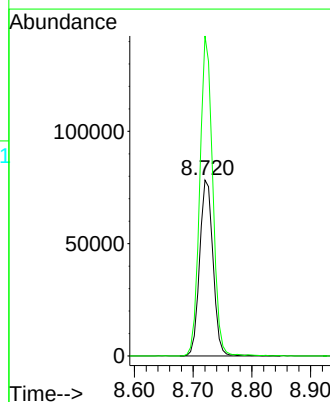
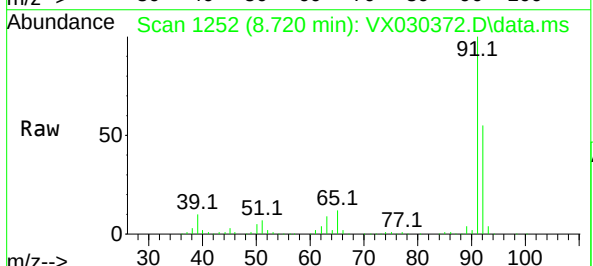
Acq: 03 Aug 2022 15:47

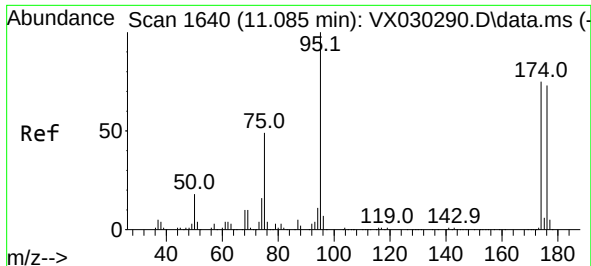
Tgt Ion: 92 Resp: 123731

Ion Ratio Lower Upper

92 100

91 174.9 139.2 208.8

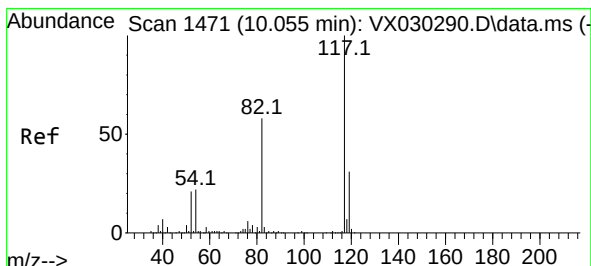
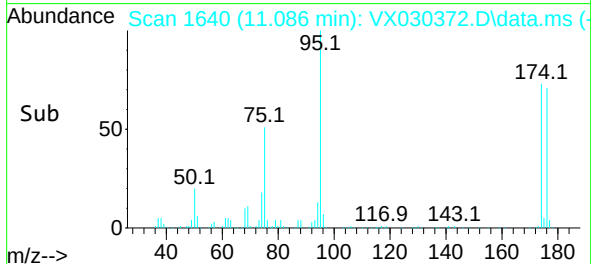
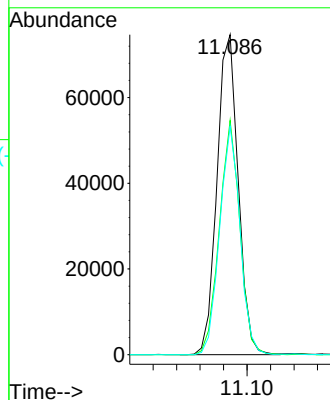
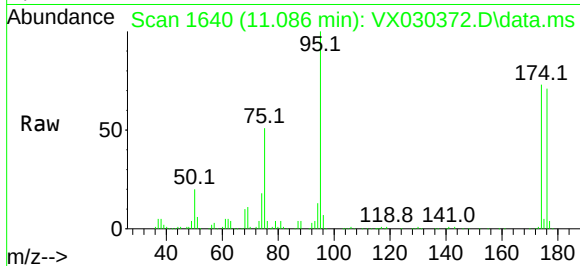




#62
4-Bromofluorobenzene
Concen: 43.003 ug/l
RT: 11.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

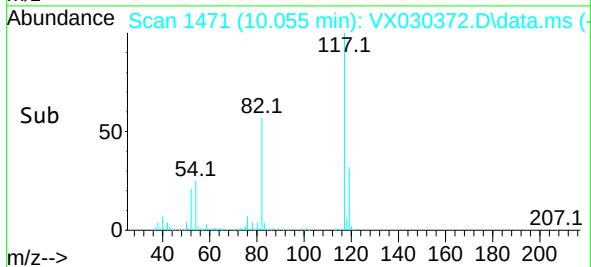
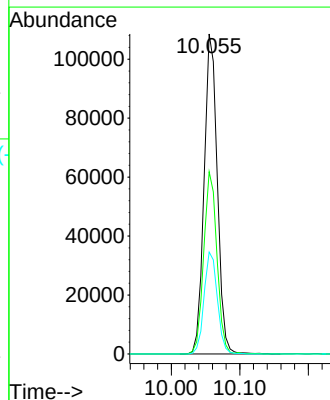
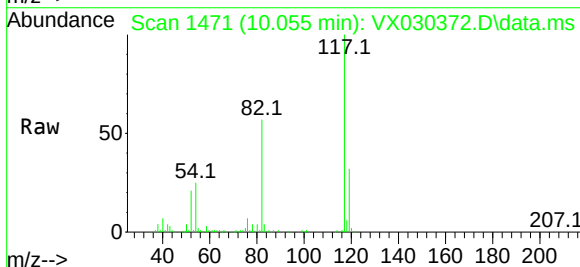
Instrument :
MSVOA_X
ClientSampleId :
63022-C

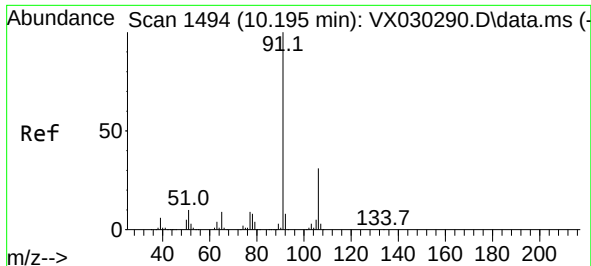
Tgt Ion: 95 Resp: 93806
Ion Ratio Lower Upper
95 100
174 70.6 0.0 149.0
176 68.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion: 117 Resp: 145530
Ion Ratio Lower Upper
117 100
82 57.0 42.7 64.1
119 31.8 25.4 38.2





#67

Ethyl Benzene

Concen: 6.526 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

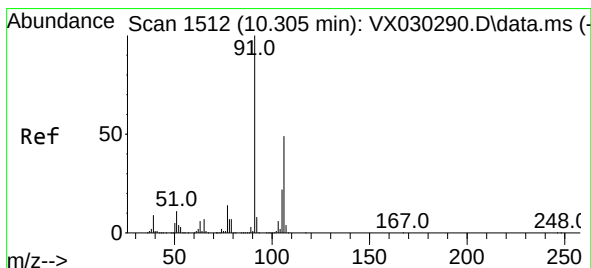
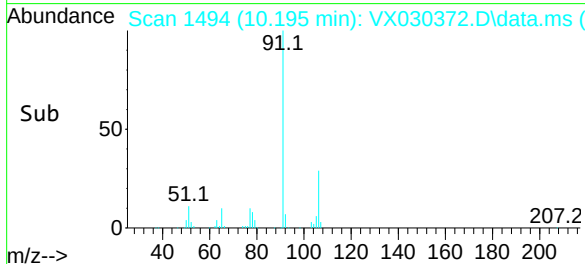
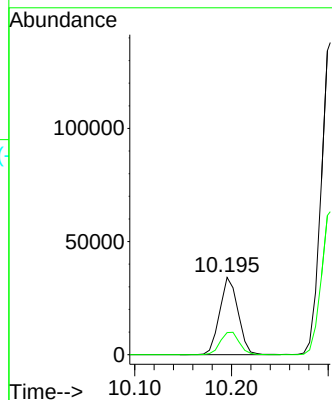
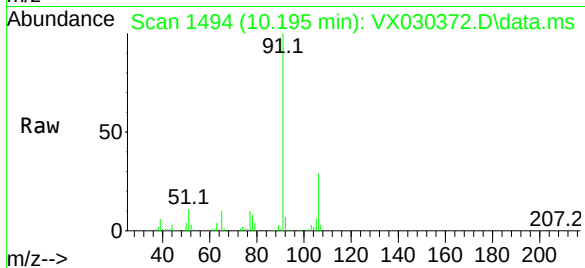
63022-C

Tgt Ion: 91 Resp: 45129

Ion Ratio Lower Upper

91 100

106 28.6 25.5 38.3



#68

m/p-Xylenes

Concen: 33.224 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX030372.D

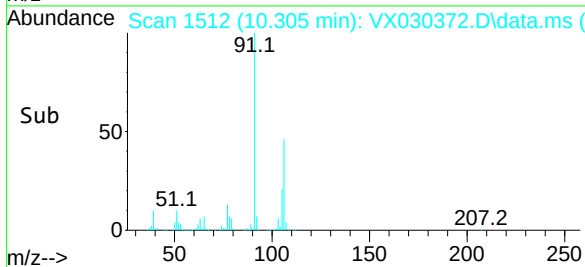
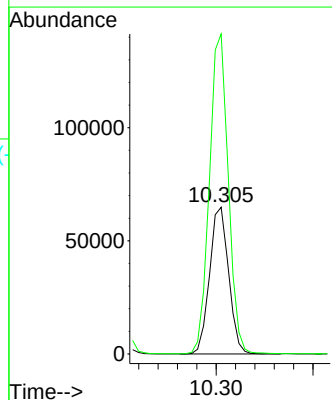
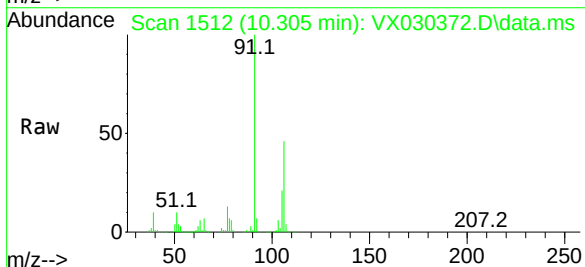
Acq: 03 Aug 2022 15:47

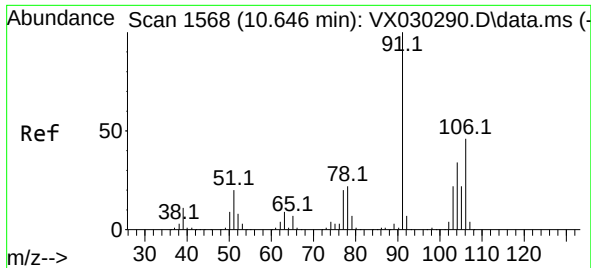
Tgt Ion: 106 Resp: 88973

Ion Ratio Lower Upper

106 100

91 215.8 158.2 237.4

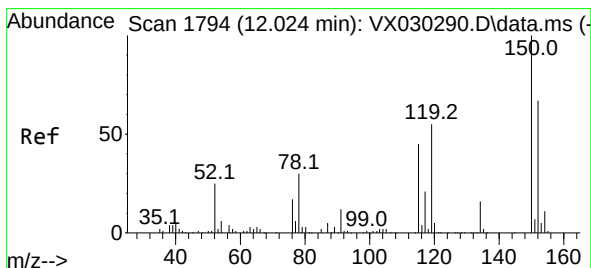
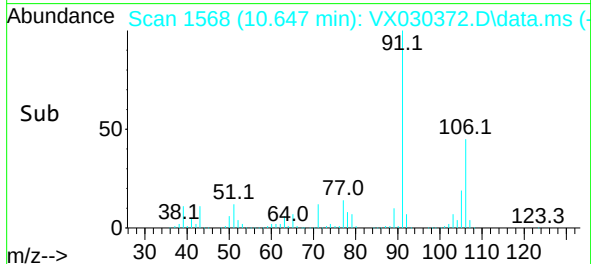
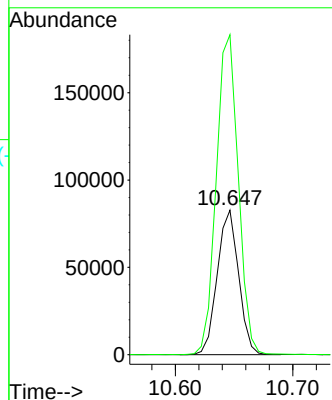
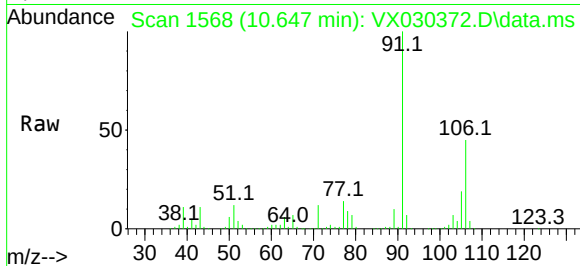




#69
o-Xylene
Concen: 39.646 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

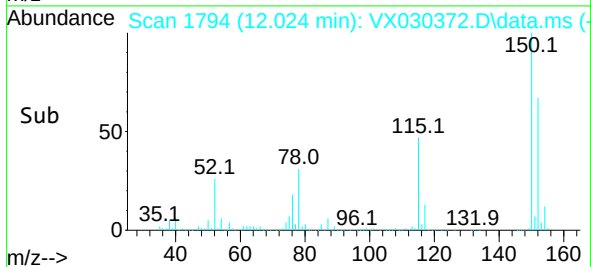
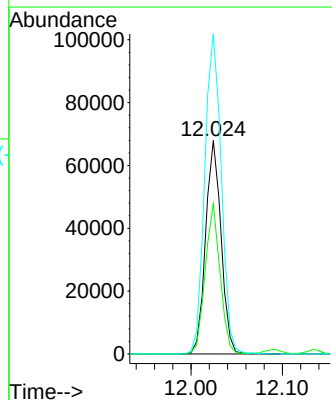
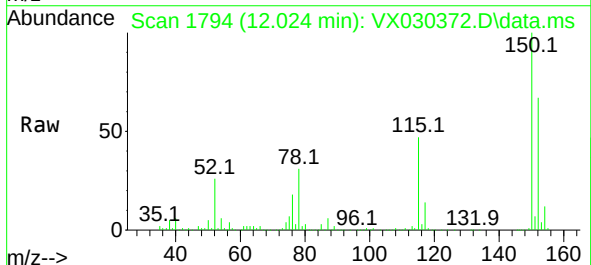
Instrument :
MSVOA_X
ClientSampleId :
63022-C

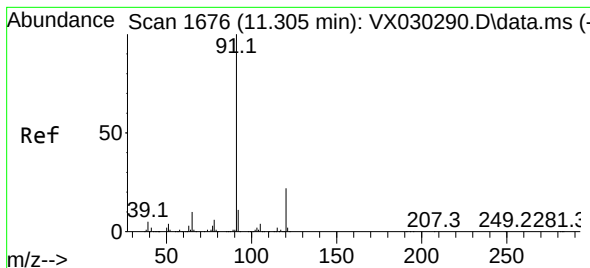
Tgt Ion:106 Resp: 104644
Ion Ratio Lower Upper
106 100
91 228.5 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030372.D
Acq: 03 Aug 2022 15:47

Tgt Ion:152 Resp: 79529
Ion Ratio Lower Upper
152 100
115 67.8 40.5 121.5
150 160.7 0.0 347.0





#78

n-propylbenzene

Concen: 1.037 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.005 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

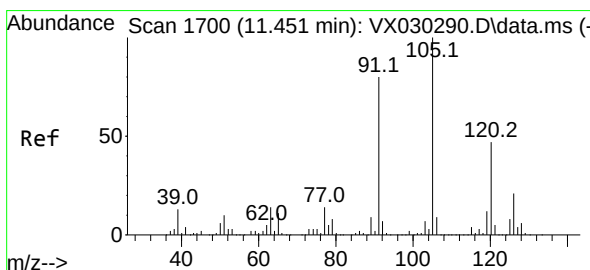
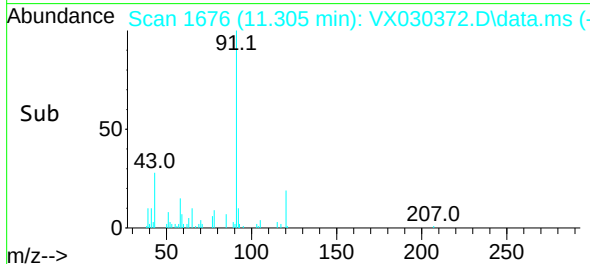
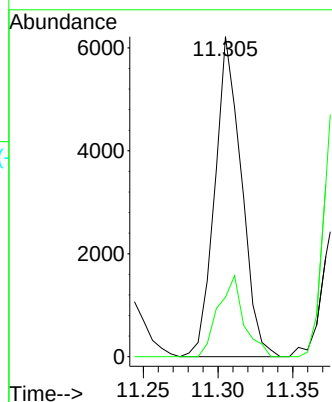
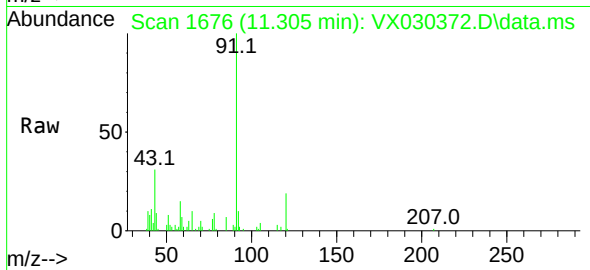
63022-C

Tgt Ion: 91 Resp: 7686

Ion Ratio Lower Upper

91 100

120 24.3 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 4.633 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VX030372.D

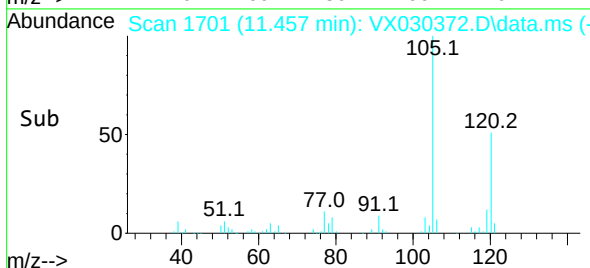
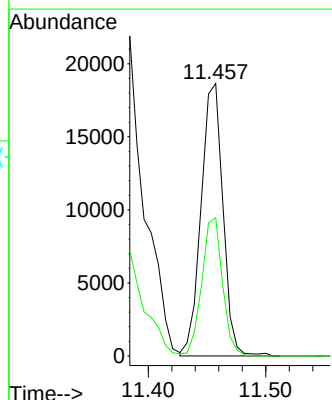
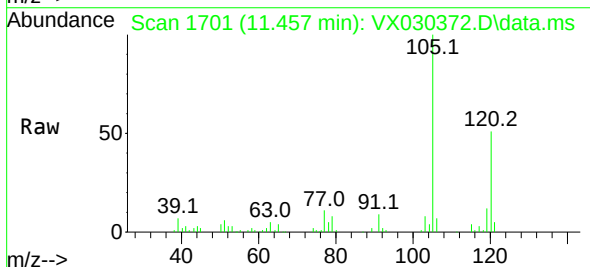
Acq: 03 Aug 2022 15:47

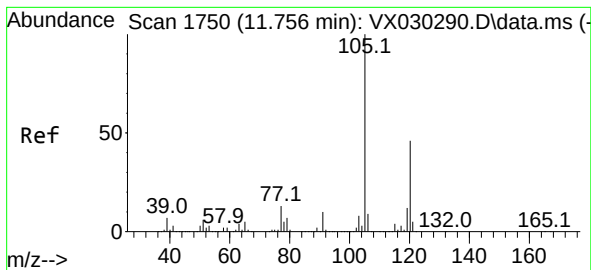
Tgt Ion: 105 Resp: 24085

Ion Ratio Lower Upper

105 100

120 48.1 24.4 73.2





#84

1,2,4-Trimethylbenzene

Concen: 20.876 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

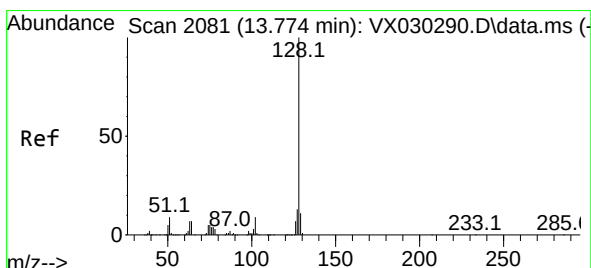
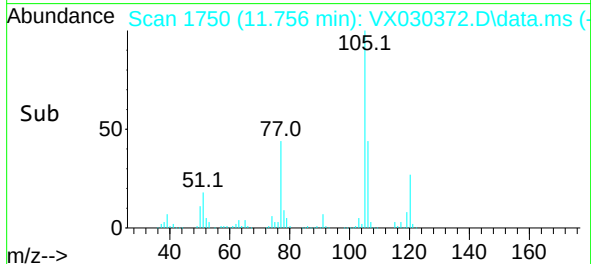
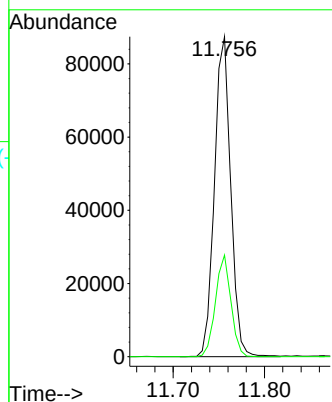
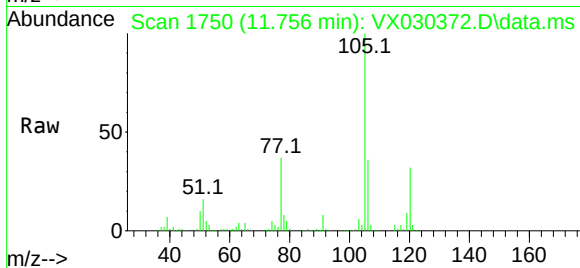
63022-C

Tgt Ion:105 Resp: 108275

Ion Ratio Lower Upper

105 100

120 30.2 22.9 68.8



#95

Naphthalene

Concen: 276.115 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX030372.D

Acq: 03 Aug 2022 15:47

Tgt Ion:128 Resp: 1739832

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.0 8.6 13.0

