

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031523\
 Data File : VX034520.D
 Acq On : 15 Mar 2023 19:54
 Operator : JC/MD
 Sample : 01907-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33969

Quant Time: Mar 16 05:23:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

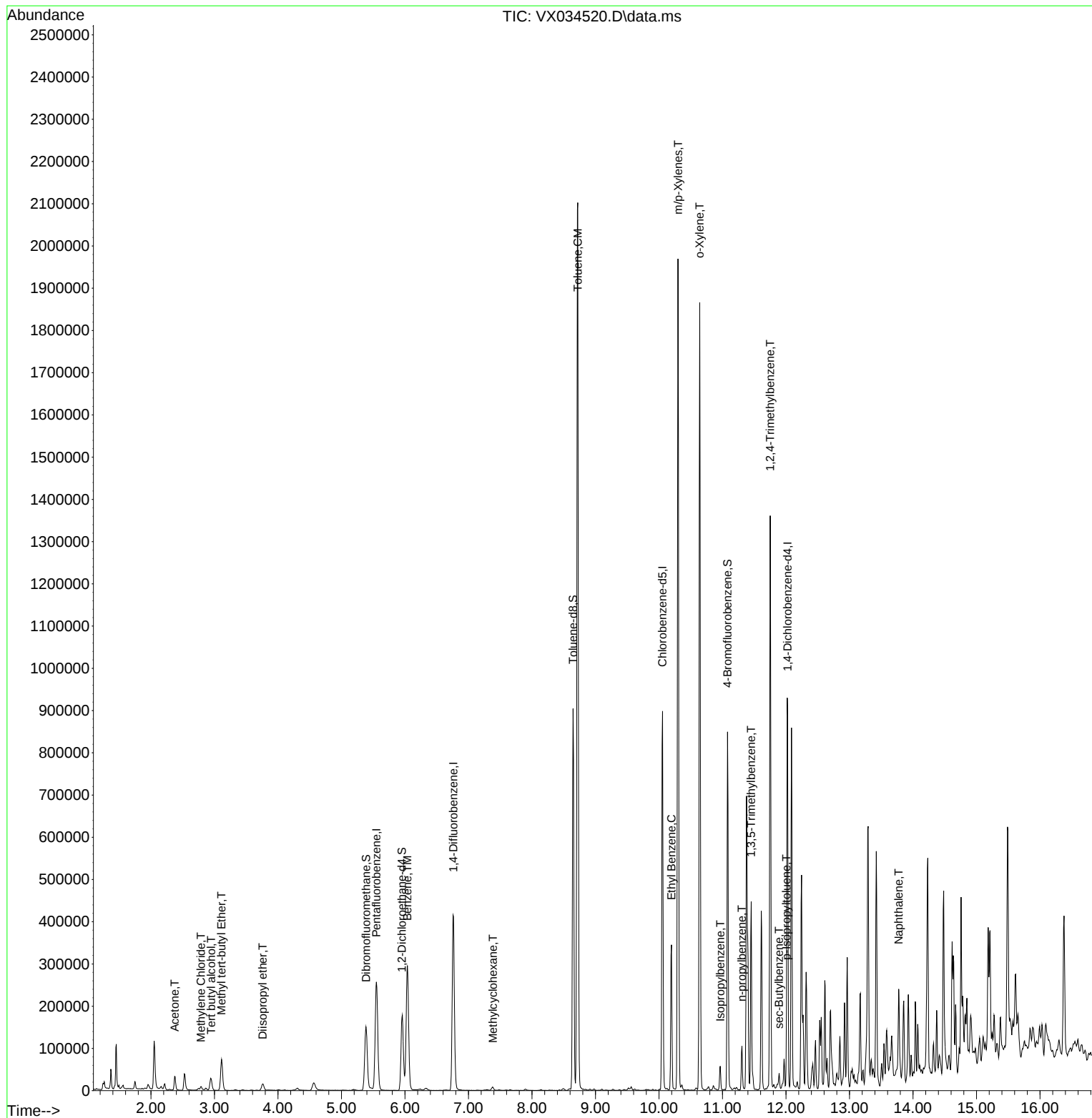
Internal Standards						
1) Pentafluorobenzene	5.550	168	247187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	384215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184588	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	165587	46.047	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.100%
35) Dibromofluoromethane	5.385	113	130705	46.739	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.480%
50) Toluene-d8	8.647	98	509410	48.796	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.600%
62) 4-Bromofluorobenzene	11.079	95	211395	50.132	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.260%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	18448	24.635	ug/l #	73
16) Acetone	2.374	43	34491	20.362	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	76724	7.919	ug/l	98
20) Methylene Chloride	2.788	84	3730	1.135	ug/l	96
22) Diisopropyl ether	3.758	45	17036	1.629	ug/l #	76
39) Methylcyclohexane	7.385	83	3442	0.670	ug/l #	86
40) Benzene	6.038	78	353502	28.133	ug/l	99
52) Toluene	8.720	92	789895	101.539	ug/l	100
67) Ethyl Benzene	10.195	91	196509	13.021	ug/l	96
68) m/p-Xylenes	10.299	106	430759	74.303	ug/l	100
69) o-Xylene	10.640	106	376441	64.705	ug/l	100
73) Isopropylbenzene	10.964	105	28496	1.997	ug/l	100
78) n-propylbenzene	11.305	91	63608	3.861	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	181017	15.127	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	562101	45.963	ug/l	100
85) sec-Butylbenzene	11.890	105	17201	1.166	ug/l	86
86) p-Isopropyltoluene	12.006	119	15043	1.213	ug/l	95
95) Naphthalene	13.774	128	125414	9.228	ug/l	99

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

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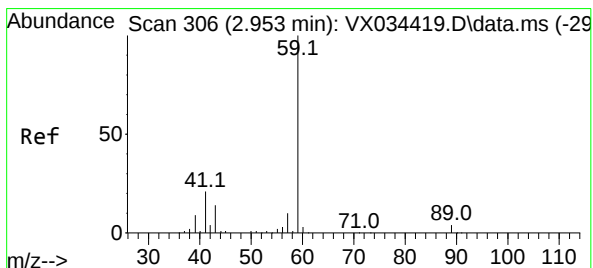
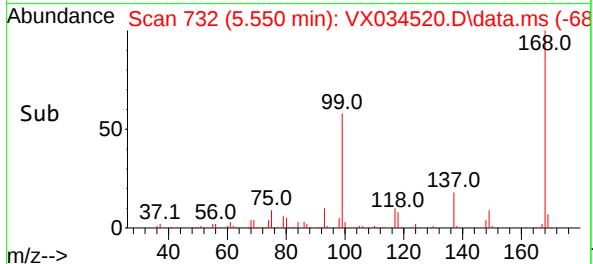
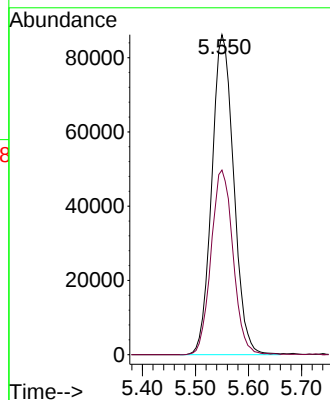
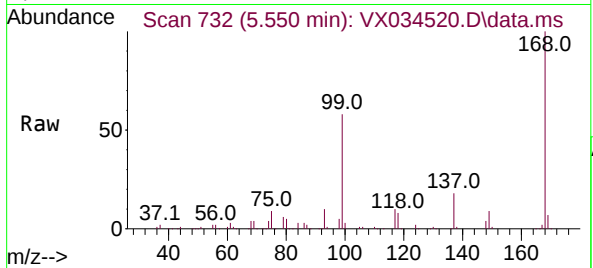




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

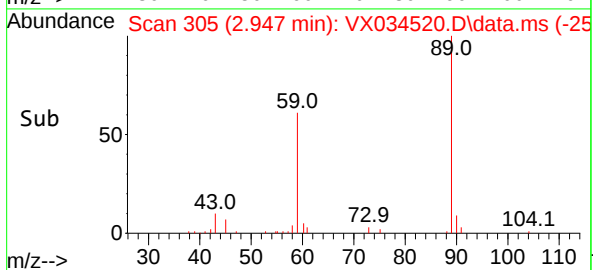
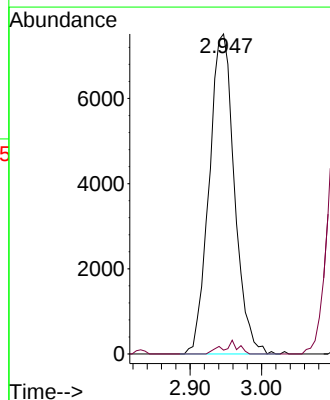
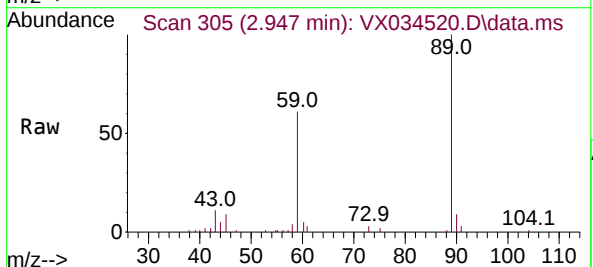
Instrument :
MSVOA_X
ClientSampleId :
33969

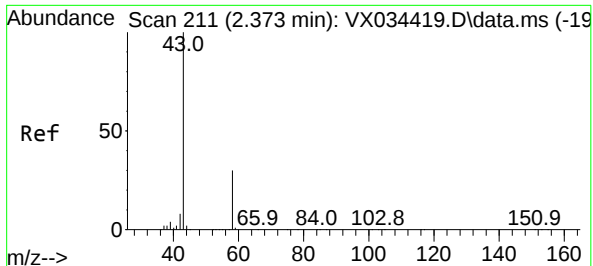
Tgt Ion:168 Resp: 247187
Ion Ratio Lower Upper
168 100
99 57.7 45.7 68.5



#11
Tert butyl alcohol
Concen: 24.635 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion: 59 Resp: 18448
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

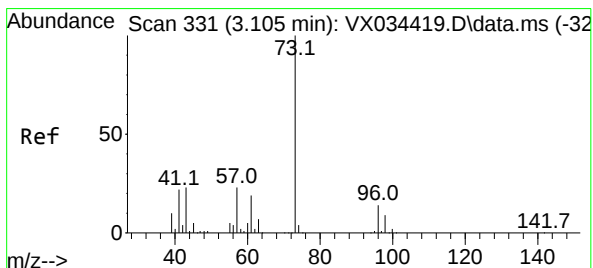
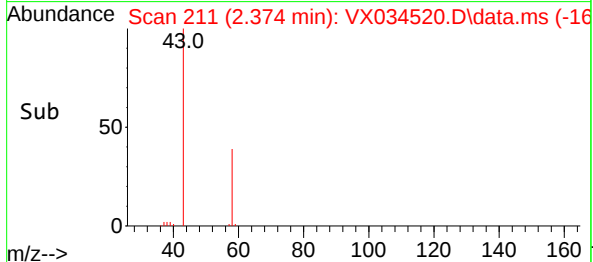
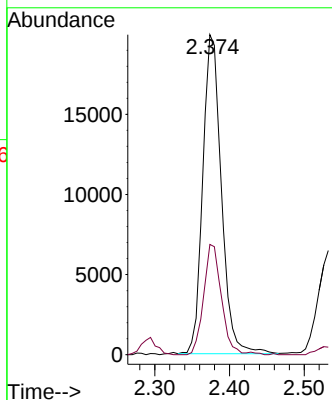
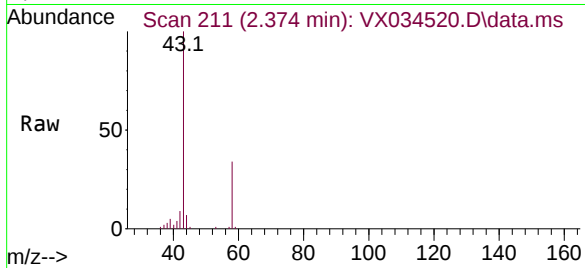




#16
Acetone
Concen: 20.362 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

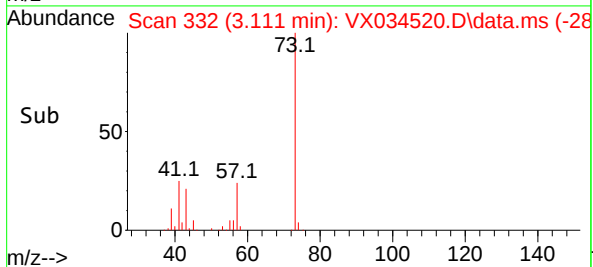
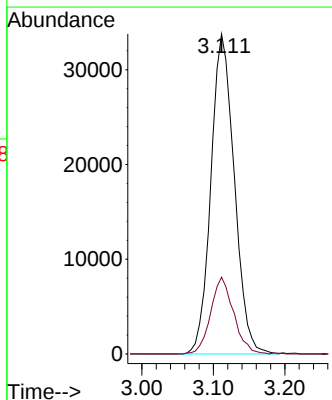
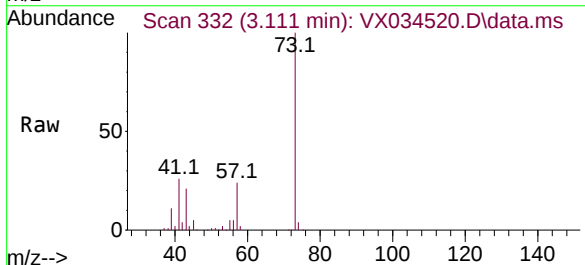
Instrument :
MSVOA_X
ClientSampleId :
33969

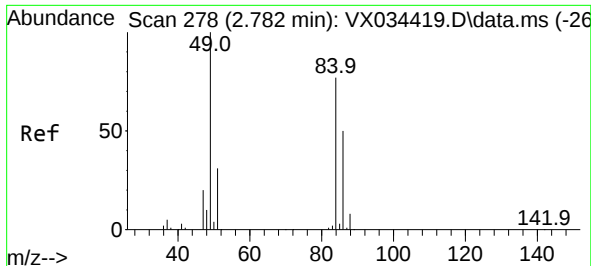
Tgt Ion: 43 Resp: 34491
Ion Ratio Lower Upper
43 100
58 34.6 24.7 37.1



#19
Methyl tert-butyl Ether
Concen: 7.919 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion: 73 Resp: 76724
Ion Ratio Lower Upper
73 100
57 24.0 18.5 27.7

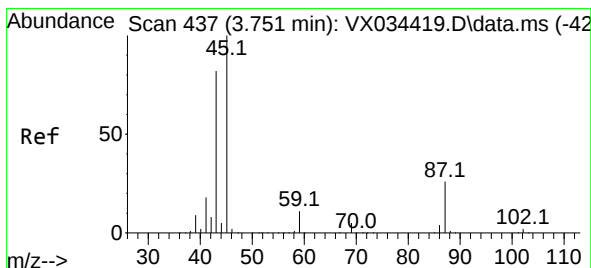
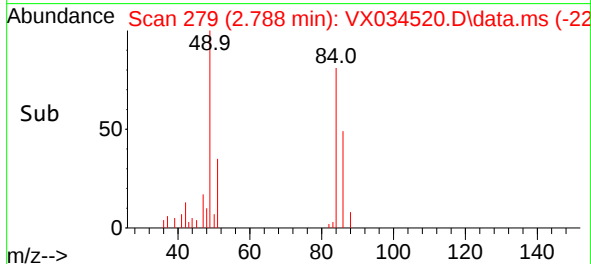
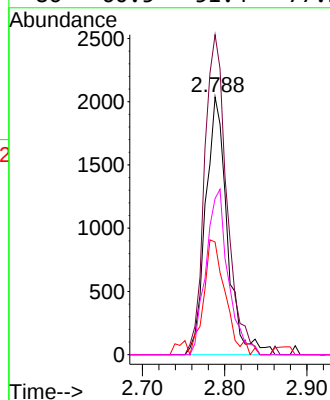
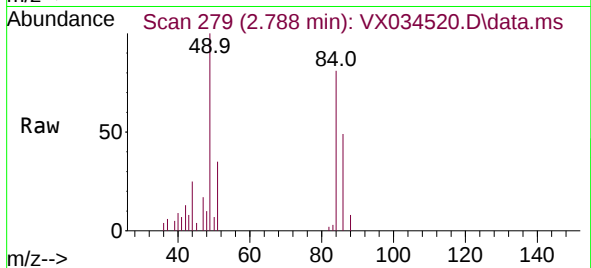




#20
Methylene Chloride
Concen: 1.135 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

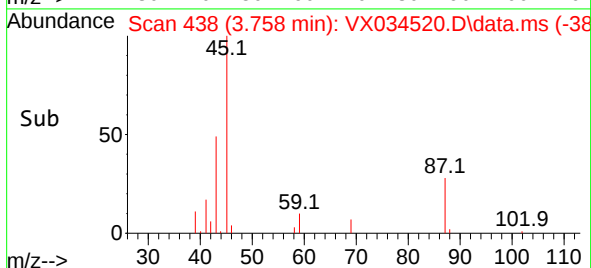
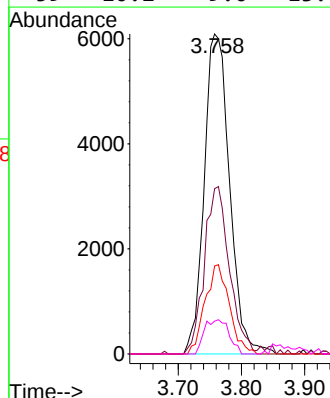
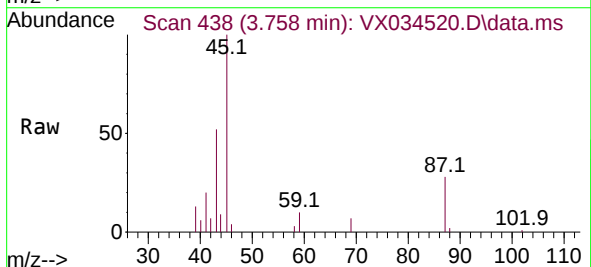
Instrument :
MSVOA_X
ClientSampleId :
33969

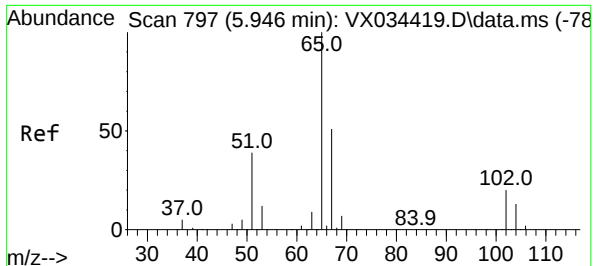
Tgt Ion:	84	Resp:	3730
Ion	Ratio	Lower	Upper
84	100		
49	124.1	103.8	155.8
51	40.8	31.8	47.8
86	60.5	51.4	77.2



#22
Diisopropyl ether
Concen: 1.629 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion:	45	Resp:	17036
Ion	Ratio	Lower	Upper
45	100		
43	51.7	65.4	98.2#
87	27.5	20.6	31.0
59	10.2	9.0	13.6

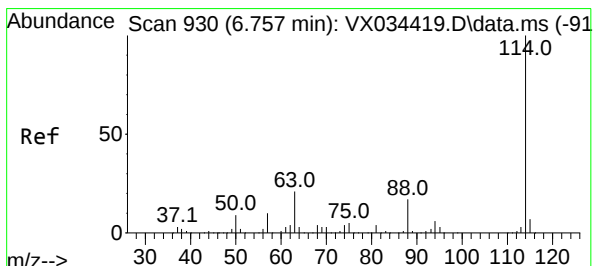
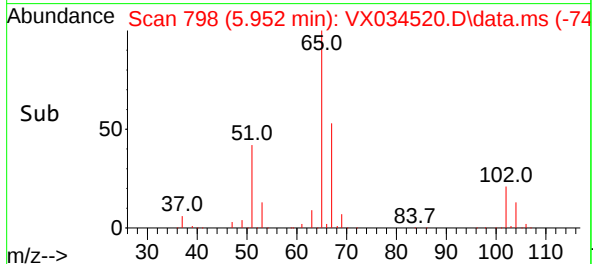
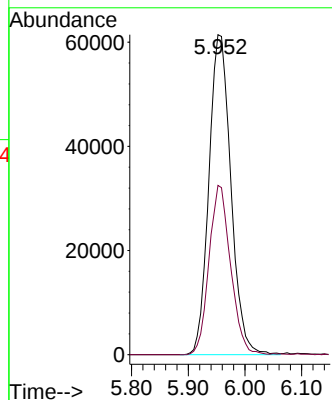
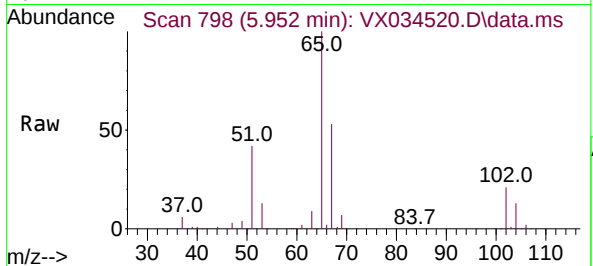




#33
 1,2-Dichloroethane-d4
 Concen: 46.047 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

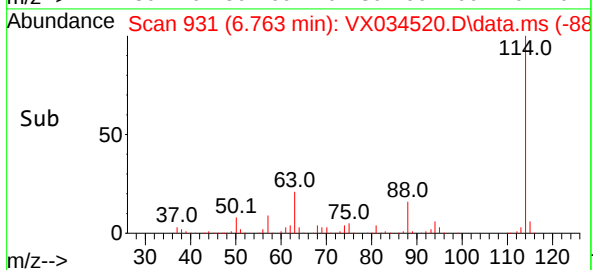
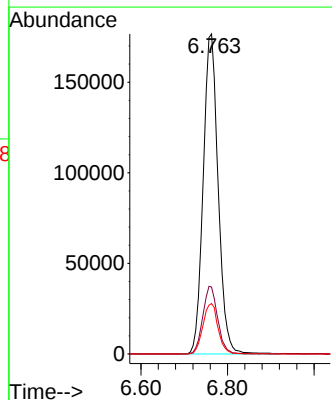
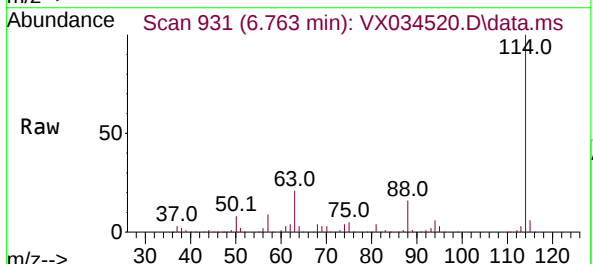
Instrument :
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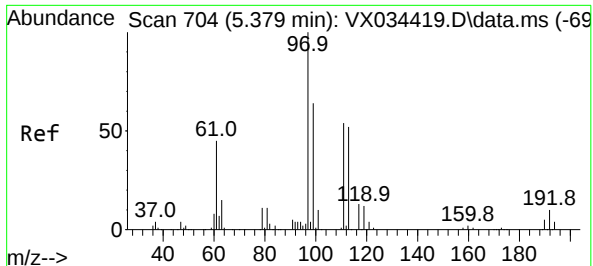
Tgt Ion: 65 Resp: 165587
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

Tgt Ion: 114 Resp: 423555
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 42.2
 88 15.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.739 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX034520.D

Acq: 15 Mar 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

33969

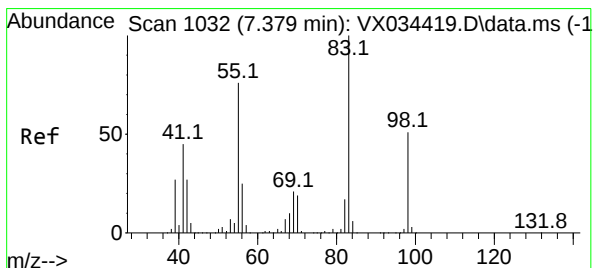
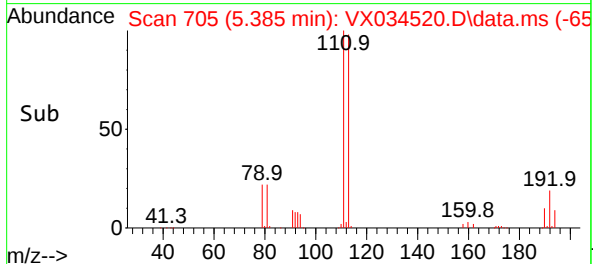
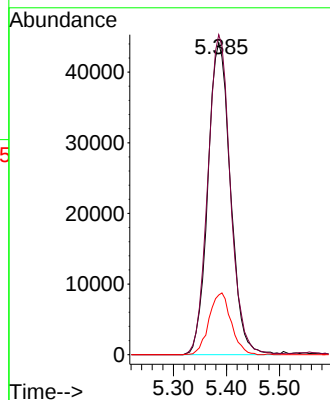
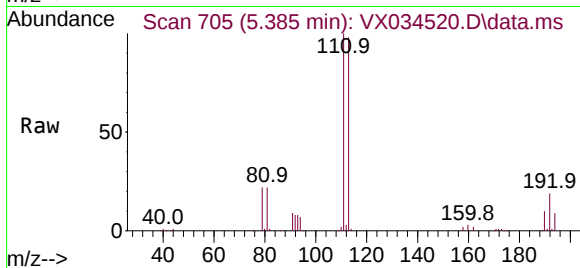
Tgt Ion:113 Resp: 130705

Ion Ratio Lower Upper

113 100

111 102.5 83.7 125.5

192 19.3 15.4 23.2



#39

Methylcyclohexane

Concen: 0.670 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX034520.D

Acq: 15 Mar 2023 19:54

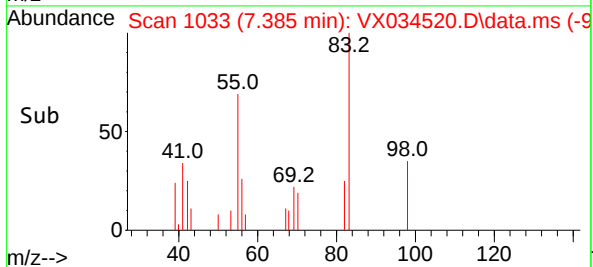
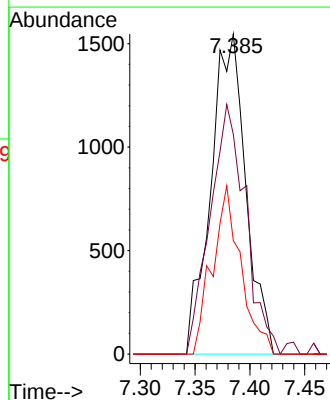
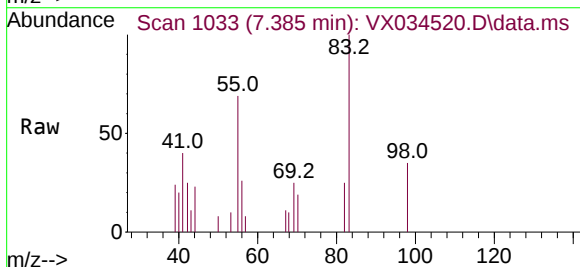
Tgt Ion: 83 Resp: 3442

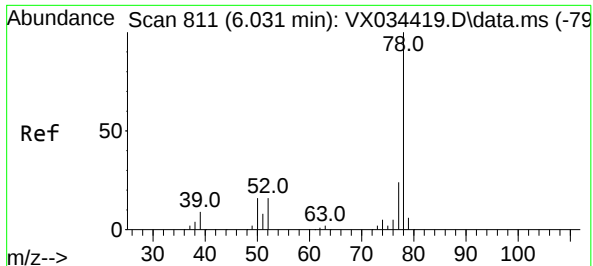
Ion Ratio Lower Upper

83 100

55 68.6 60.5 90.7

98 35.4 40.4 60.6#





#40

Benzene

Concen: 28.133 ug/l

RT: 6.038 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX034520.D

Acq: 15 Mar 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

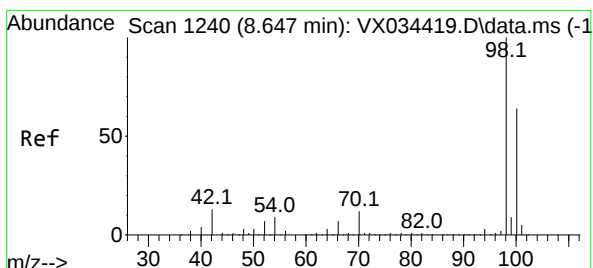
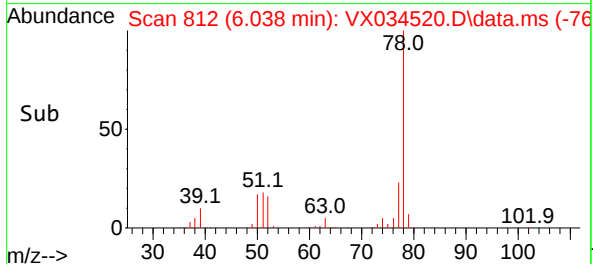
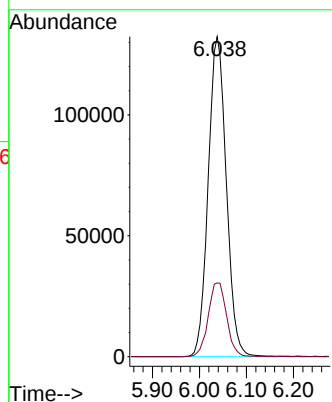
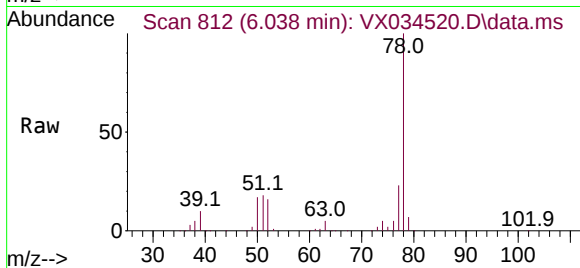
33969

Tgt Ion: 78 Resp: 353502

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.4



#50

Toluene-d8

Concen: 48.796 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034520.D

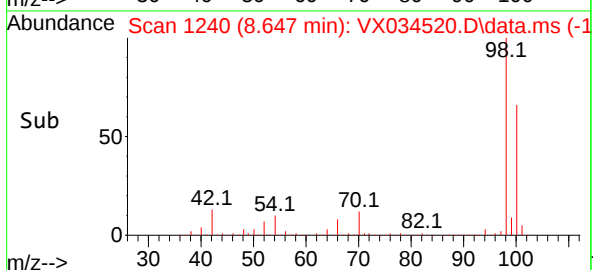
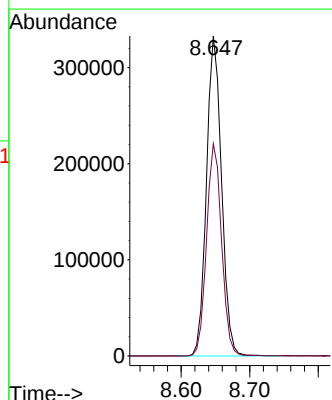
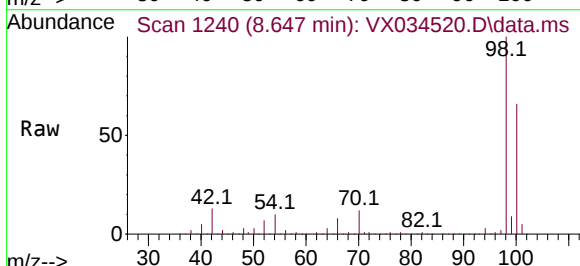
Acq: 15 Mar 2023 19:54

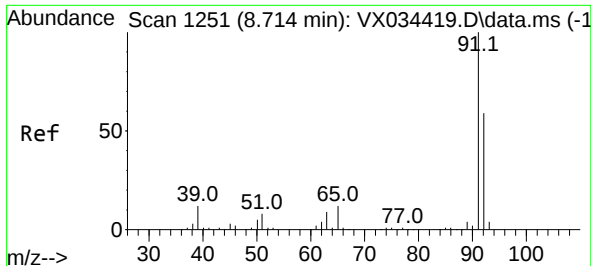
Tgt Ion: 98 Resp: 509410

Ion Ratio Lower Upper

98 100

100 66.3 52.5 78.7

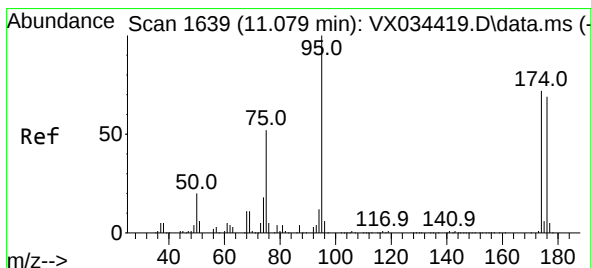
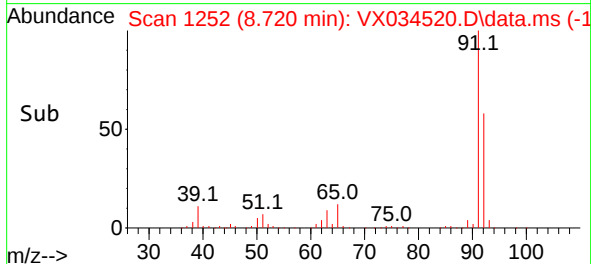
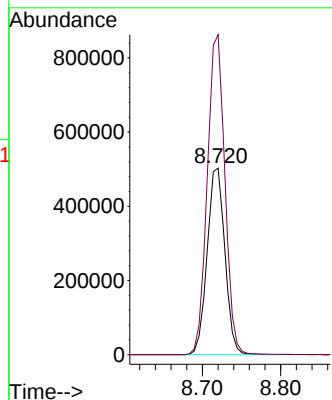
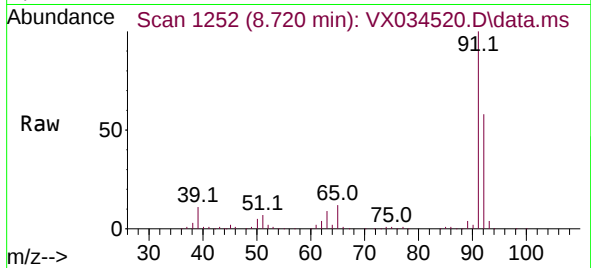




#52
Toluene
Concen: 101.539 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

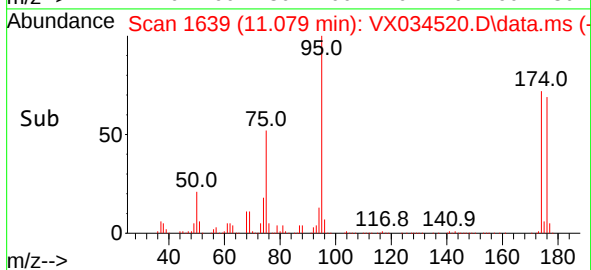
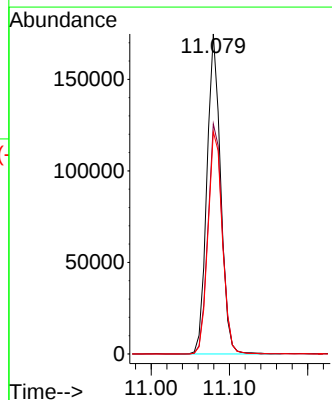
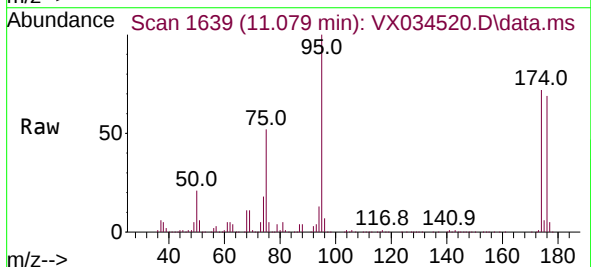
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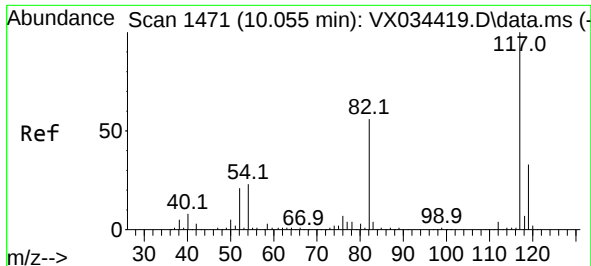
Tgt Ion: 92 Resp: 789895
Ion Ratio Lower Upper
92 100
91 170.8 136.8 205.2



#62
4-Bromofluorobenzene
Concen: 50.132 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion: 95 Resp: 211395
Ion Ratio Lower Upper
95 100
174 75.5 0.0 147.4
176 72.8 0.0 140.6

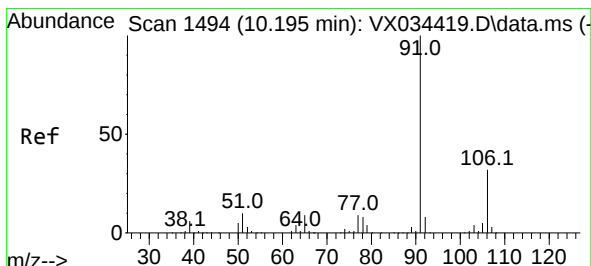
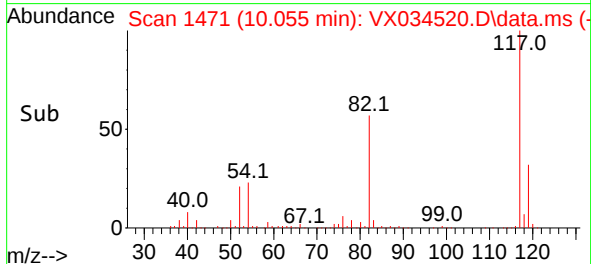
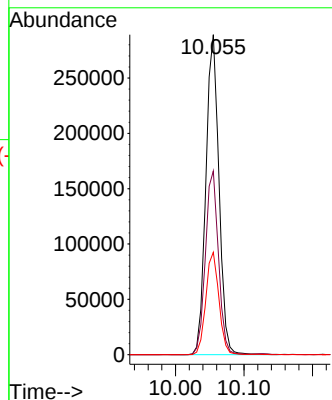
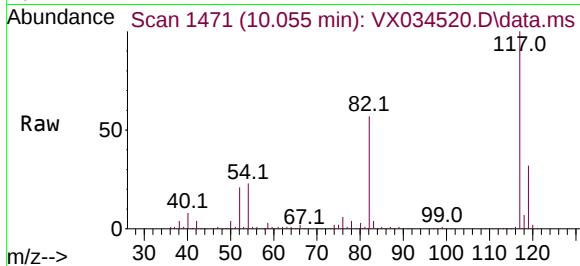




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

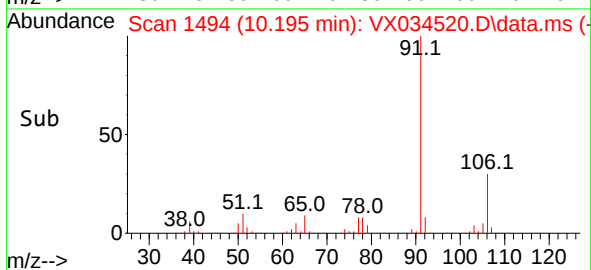
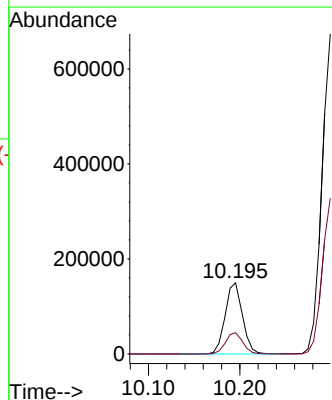
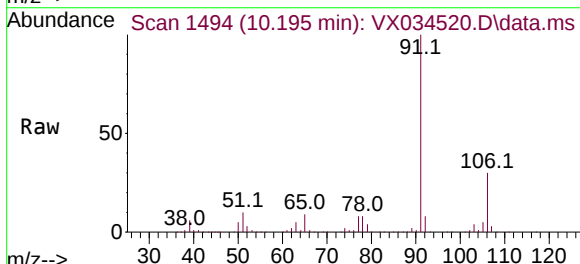
Instrument :
MSVOA_X
ClientSampleId :
33969

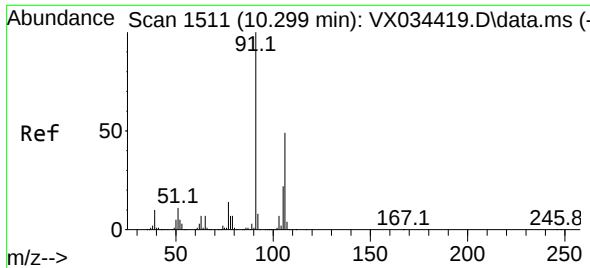
Tgt Ion:117 Resp: 384215
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 32.0 26.0 39.0



#67
Ethyl Benzene
Concen: 13.021 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion: 91 Resp: 196509
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4

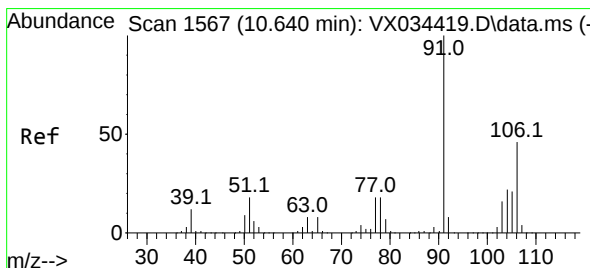
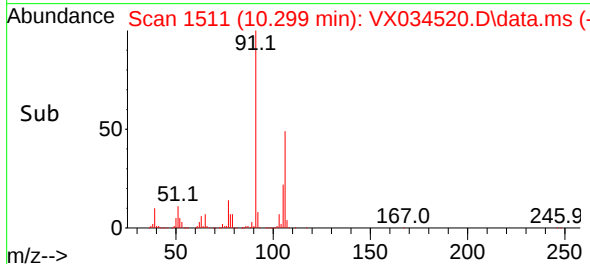
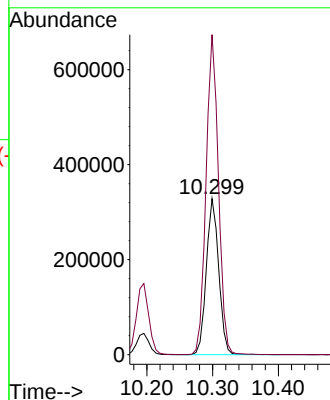
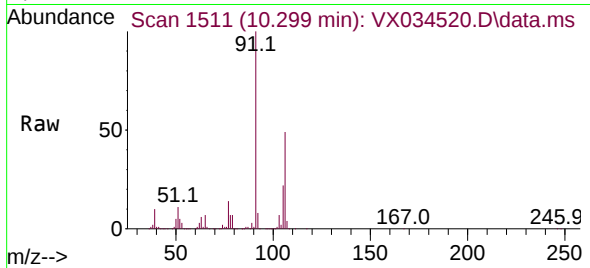




#68
m/p-Xylenes
Concen: 74.303 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

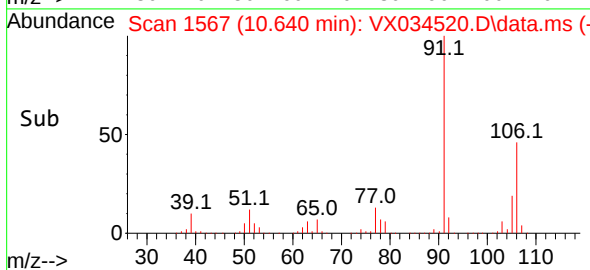
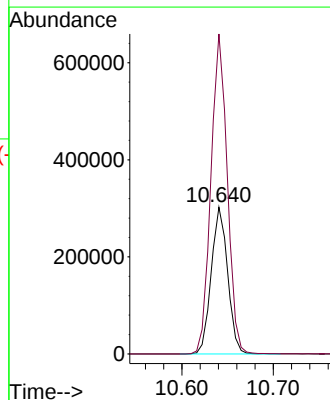
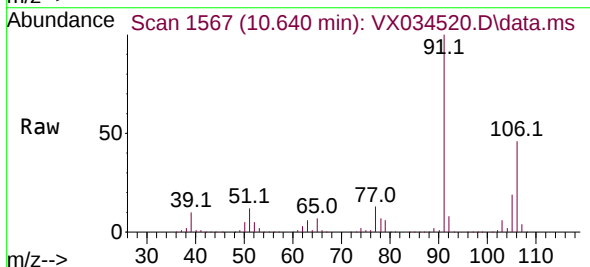
Instrument :
MSVOA_X
ClientSampleId :
33969

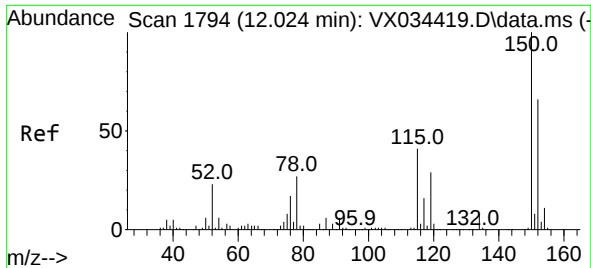
Tgt Ion:106 Resp: 430759
Ion Ratio Lower Upper
106 100
91 204.6 164.0 246.0



#69
o-Xylene
Concen: 64.705 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion:106 Resp: 376441
Ion Ratio Lower Upper
106 100
91 217.4 108.5 325.3

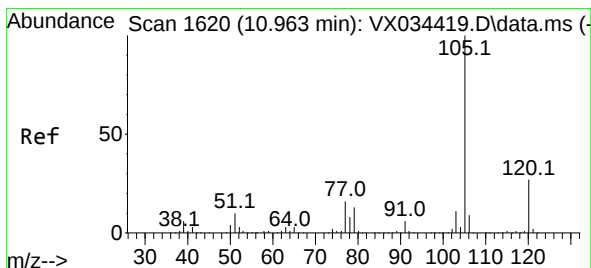
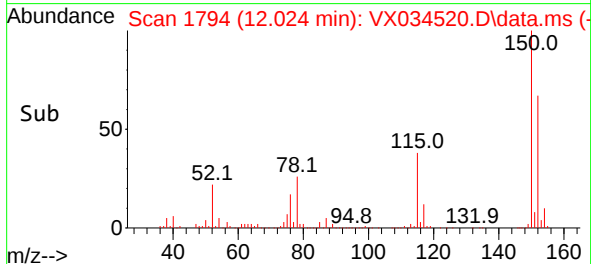
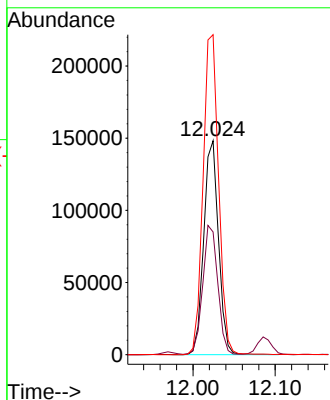
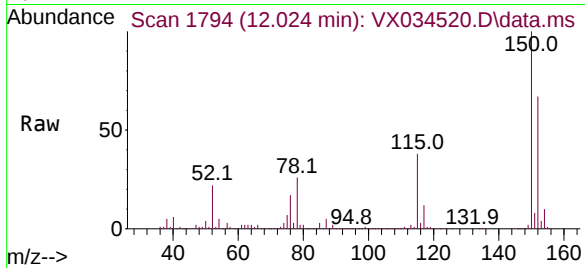




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

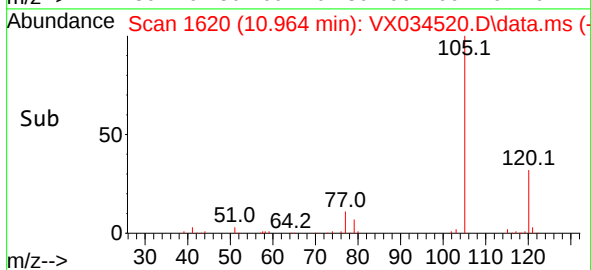
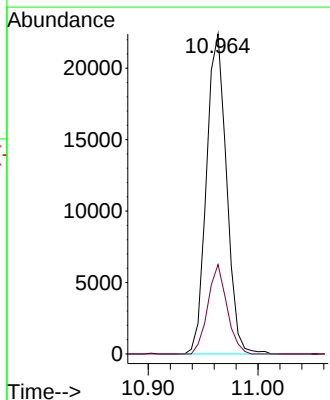
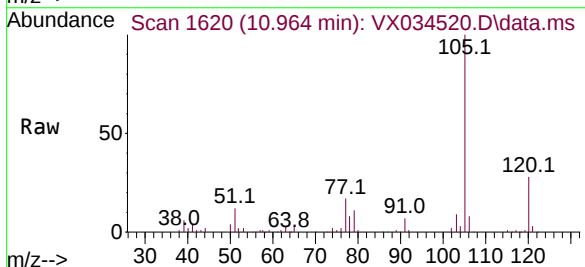
Instrument :
 MSVOA_X
 ClientSampleId :
 33969

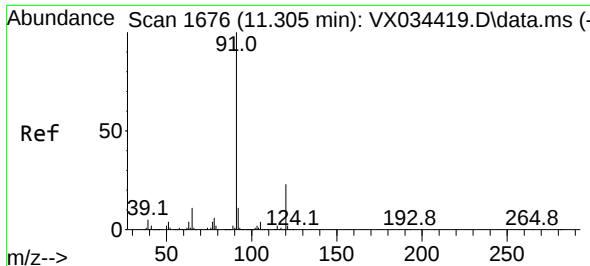
Tgt Ion:152 Resp: 184588
 Ion Ratio Lower Upper
 152 100
 115 61.3 45.0 135.0
 150 157.5 0.0 352.4



#73
 Isopropylbenzene
 Concen: 1.997 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

Tgt Ion:105 Resp: 28496
 Ion Ratio Lower Upper
 105 100
 120 26.6 13.3 39.9

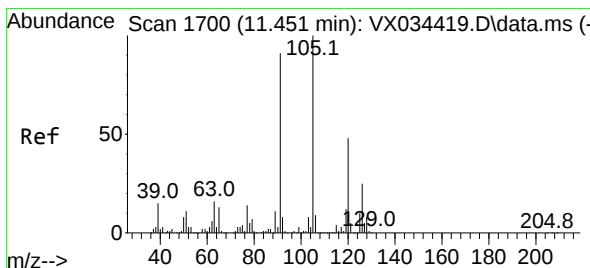
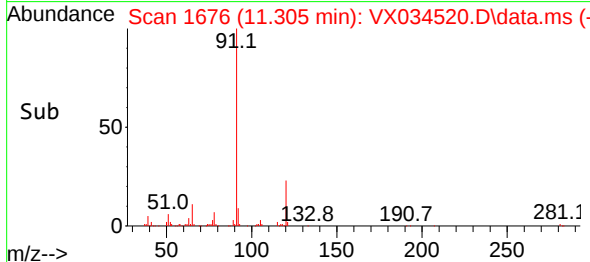
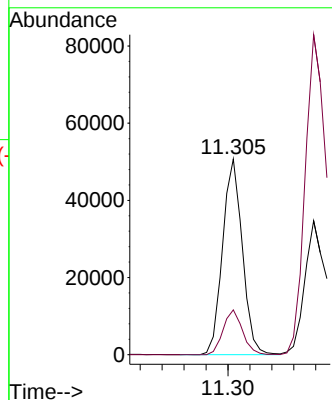
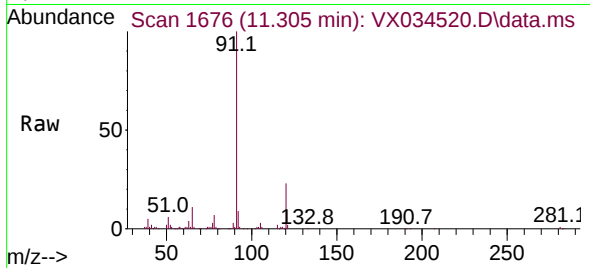




#78
n-propylbenzene
Concen: 3.861 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

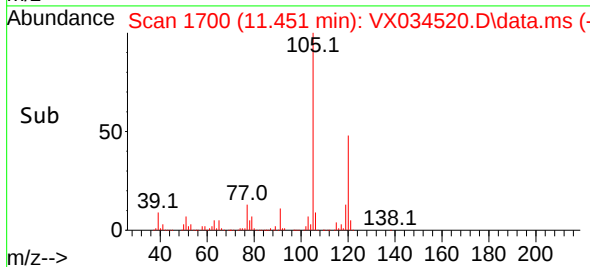
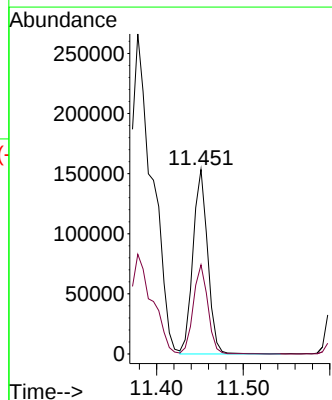
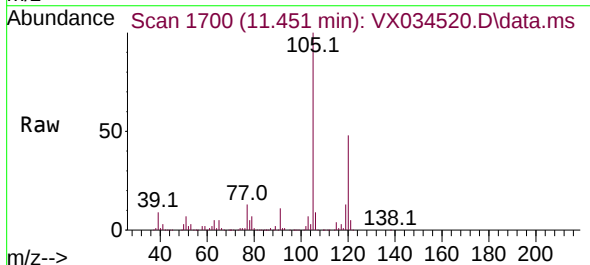
Instrument :
MSVOA_X
ClientSampleId :
33969

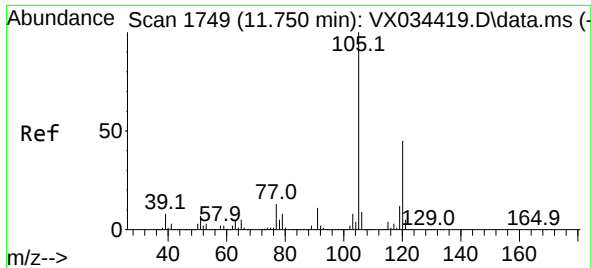
Tgt Ion: 91 Resp: 63608
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 15.127 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034520.D
Acq: 15 Mar 2023 19:54

Tgt Ion: 105 Resp: 181017
Ion Ratio Lower Upper
105 100
120 47.7 23.7 71.1

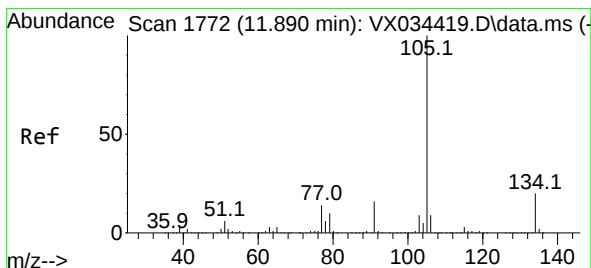
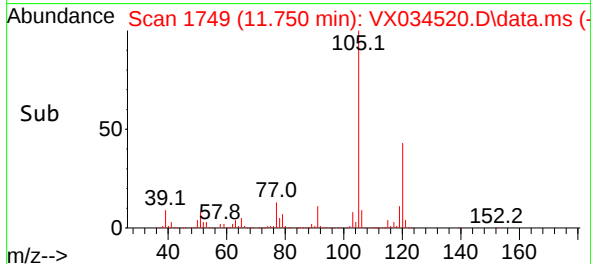
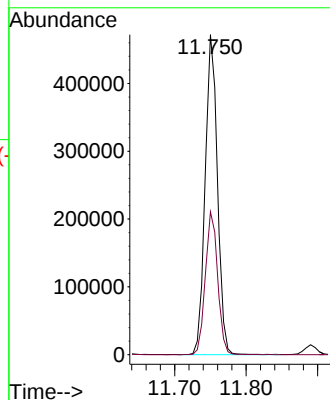
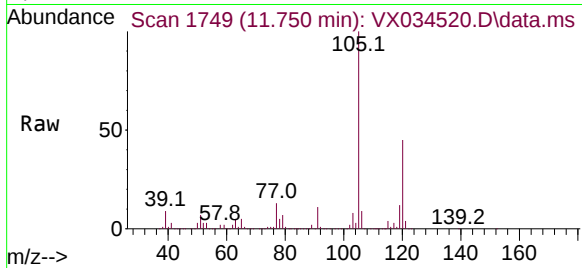




#84
 1,2,4-Trimethylbenzene
 Concen: 45.963 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

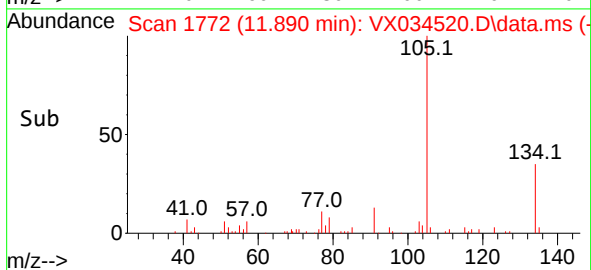
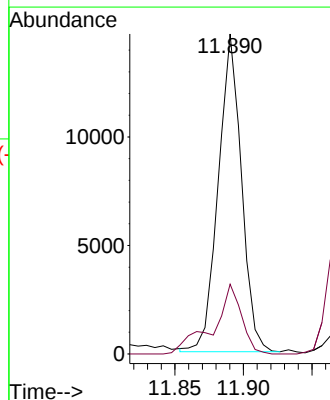
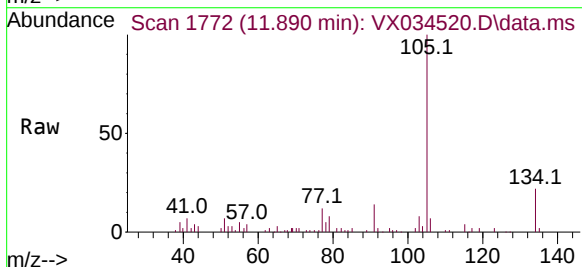
Instrument :
 MSVOA_X
 ClientSampleId :
 33969

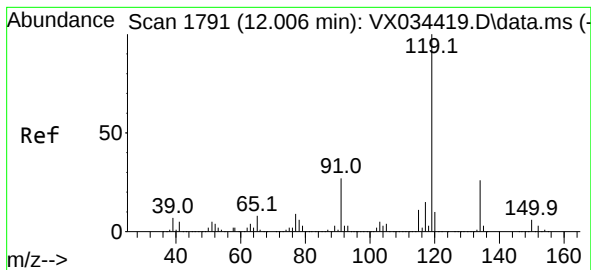
Tgt Ion:105 Resp: 562101
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 1.166 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX034520.D
 Acq: 15 Mar 2023 19:54

Tgt Ion:105 Resp: 17201
 Ion Ratio Lower Upper
 105 100
 134 27.0 10.2 30.4





#86

p-Isopropyltoluene

Concen: 1.213 ug/l

RT: 12.006 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX034520.D

Acq: 15 Mar 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

33969

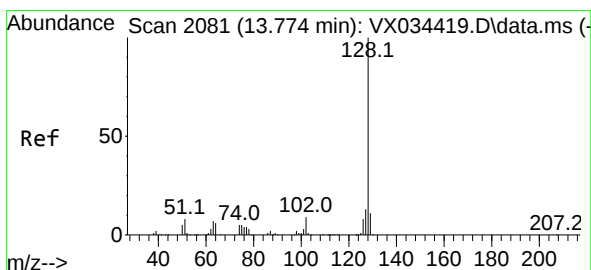
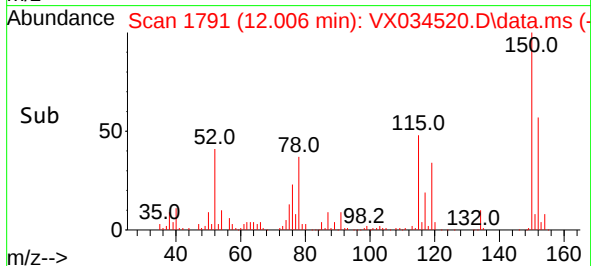
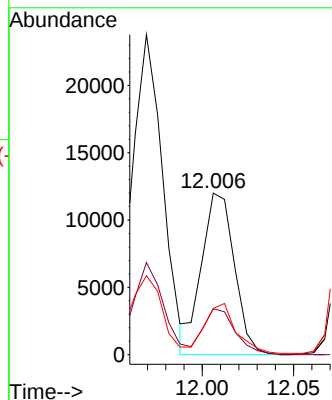
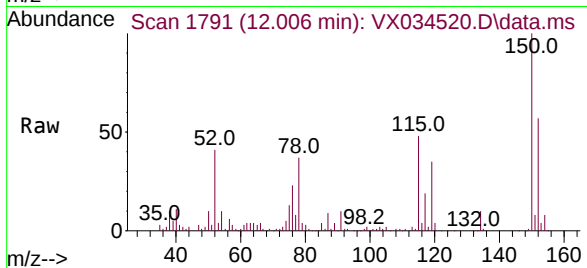
Tgt Ion:119 Resp: 15043

Ion Ratio Lower Upper

119 100

134 27.3 13.2 39.5

91 29.6 12.9 38.7



#95

Naphthalene

Concen: 9.228 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034520.D

Acq: 15 Mar 2023 19:54

Tgt Ion:128 Resp: 125414

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.9 8.6 13.0

