

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034351.D
 Acq On : 06 Mar 2023 15:47
 Operator : JC/MD
 Sample : 01816-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2325

Quant Time: Mar 07 00:39:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

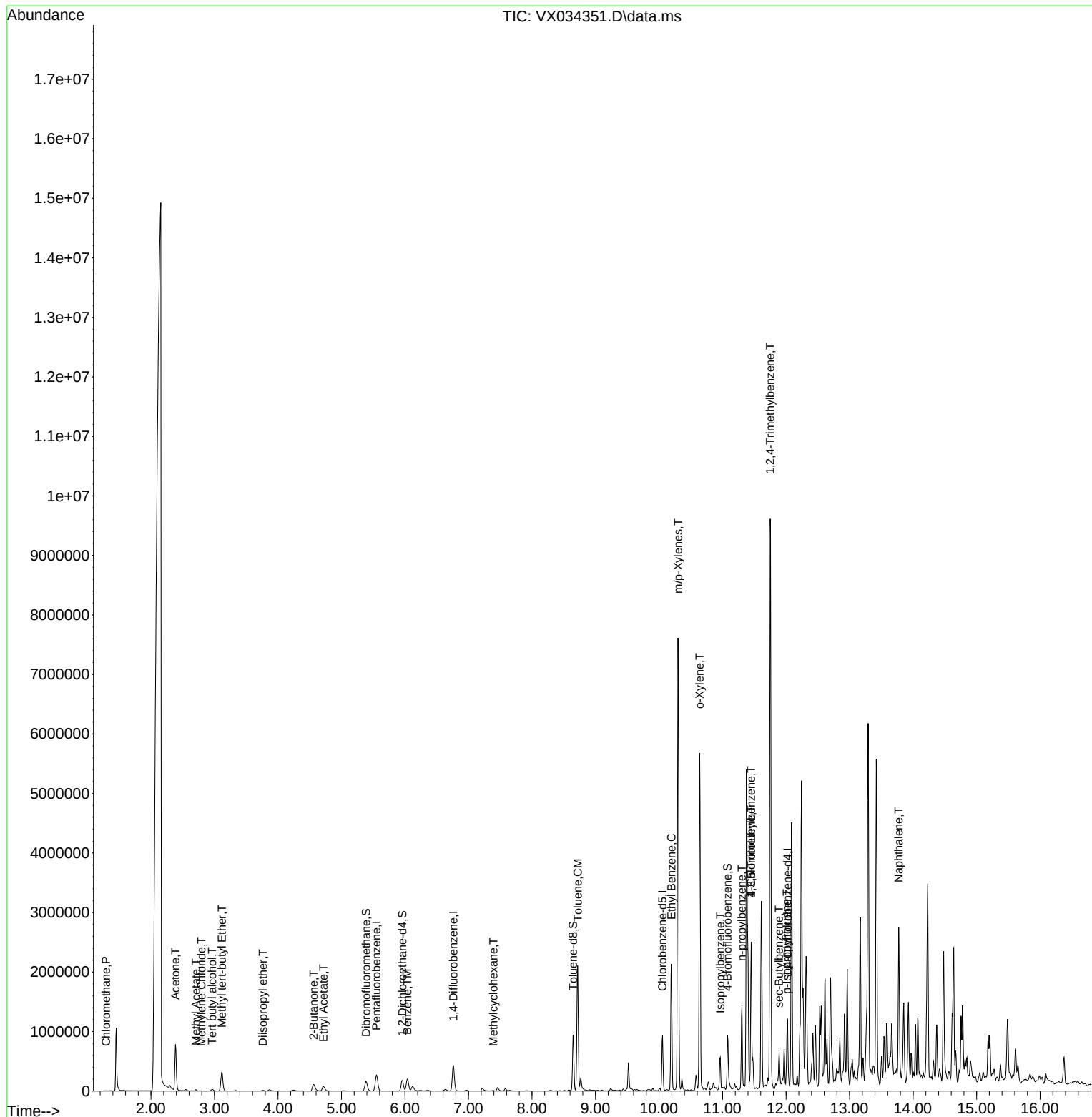
Internal Standards						
1) Pentafluorobenzene	5.550	168	264082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	449318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	408664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	212485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167572	47.116	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.240%		
35) Dibromofluoromethane	5.385	113	140618	48.066	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.140%		
50) Toluene-d8	8.647	98	548175	52.190	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.380%		
62) 4-Bromofluorobenzene	11.079	95	224395	55.852	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.700%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	823	0.251	ug/l	94
11) Tert butyl alcohol	2.965	59	34954	43.941	ug/l #	86
16) Acetone	2.386	43	788384	429.719	ug/l	94
18) Methyl Acetate	2.709	43	27699	4.879	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	354539	35.169	ug/l	97
20) Methylene Chloride	2.794	84	896	0.271	ug/l #	88
22) Diisopropyl ether	3.764	45	13472	1.268	ug/l #	70
25) 2-Butanone	4.562	43	188114	70.864	ug/l	99
37) Ethyl Acetate	4.715	43	138965	28.740	ug/l	100
39) Methylcyclohexane	7.391	83	2454	0.441	ug/l #	84
40) Benzene	6.038	78	248445	19.377	ug/l	99
52) Toluene	8.720	92	586645	75.512	ug/l	99
67) Ethyl Benzene	10.195	91	1222963	79.911	ug/l	100
68) m/p-Xylenes	10.299	106	1700329	290.323	ug/l	98
69) o-Xylene	10.640	106	1169264	200.539	ug/l	94
73) Isopropylbenzene	10.963	105	270354	16.695	ug/l	99
78) n-propylbenzene	11.305	91	848716	45.063	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	998220	73.317	ug/l	97
82) 4-Chlorotoluene	11.451	91	114184	8.681	ug/l #	43
84) 1,2,4-Trimethylbenzene	11.750	105	4097664	297.658	ug/l	99
85) sec-Butylbenzene	11.890	105	180305	10.648	ug/l	91
86) p-Isopropyltoluene	12.012	119	112184	8.005	ug/l	95
95) Naphthalene	13.774	128	1507426	97.469	ug/l	99

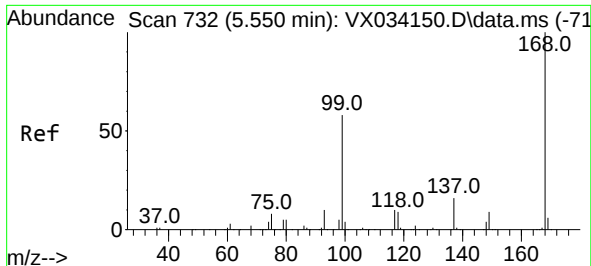
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:39:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

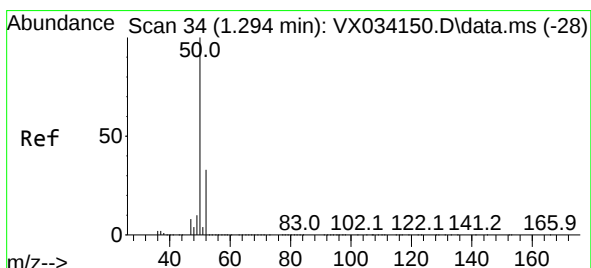
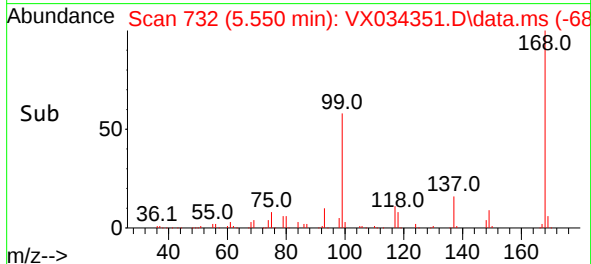
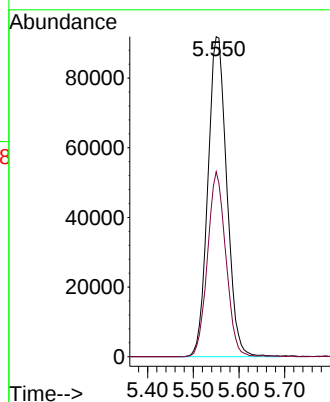
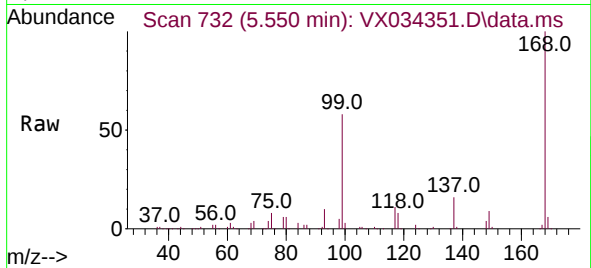




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

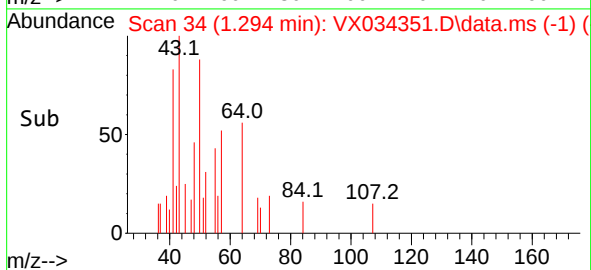
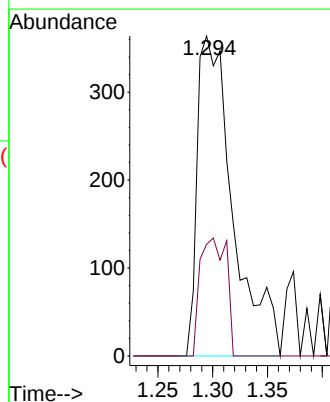
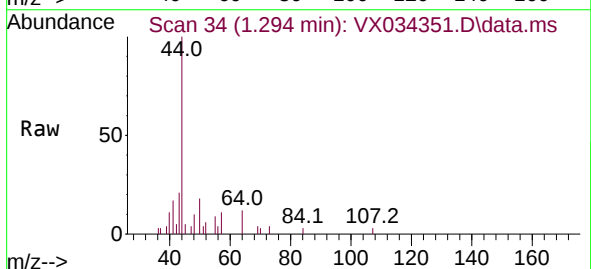
Instrument :
MSVOA_X
ClientSampleId :
2325

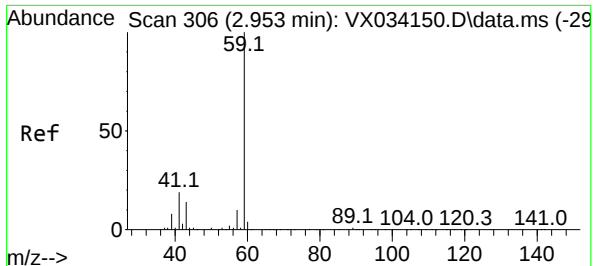
Tgt Ion:168 Resp: 264082
Ion Ratio Lower Upper
168 100
99 57.8 39.6 59.4



#3
Chloromethane
Concen: 0.251 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 50 Resp: 823
Ion Ratio Lower Upper
50 100
52 34.9 25.2 37.8





#11

Tert butyl alcohol

Concen: 43.941 ug/l

RT: 2.965 min Scan# 306

Delta R.T. 0.012 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :

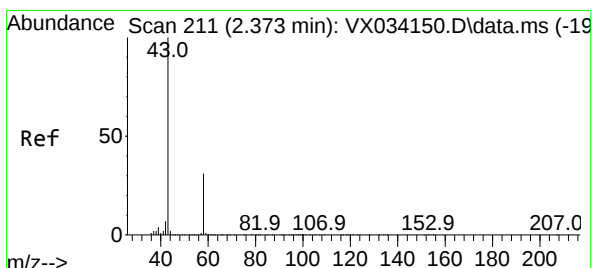
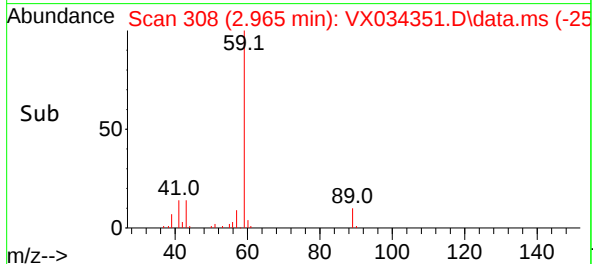
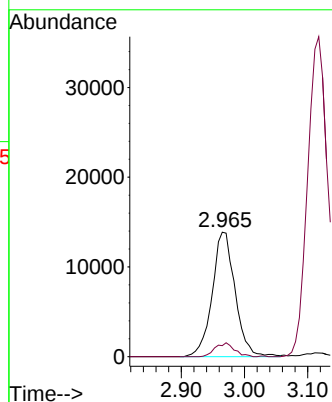
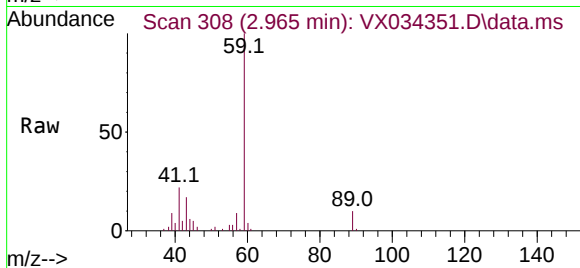
2325

Tgt Ion: 59 Resp: 34954

Ion Ratio Lower Upper

59 100

57 9.3 3.7 5.5#



#16

Acetone

Concen: 429.719 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX034351.D

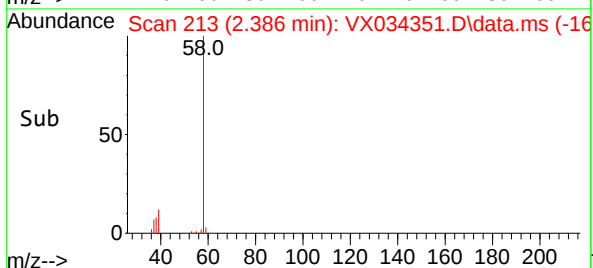
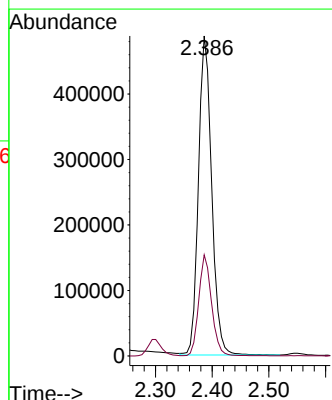
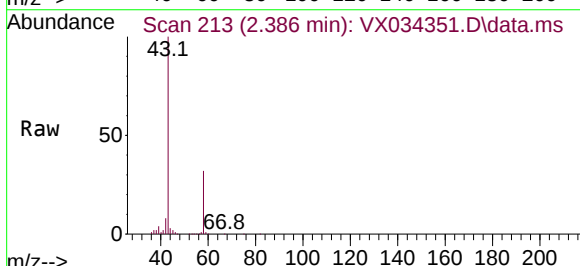
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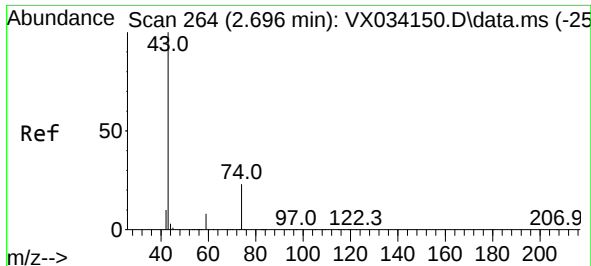
Tgt Ion: 43 Resp: 788384

Ion Ratio Lower Upper

43 100

58 31.6 22.6 33.8

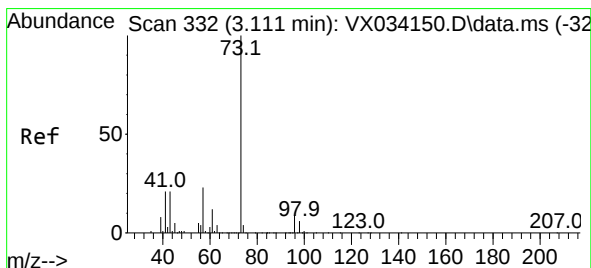
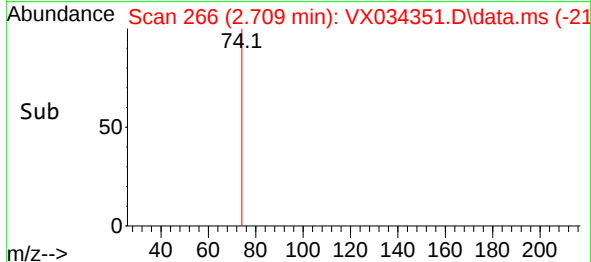
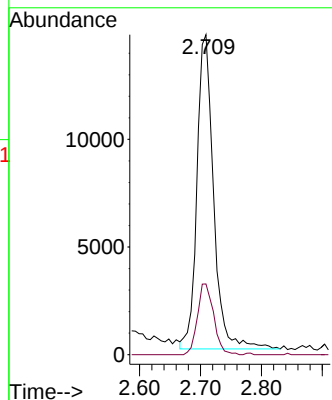
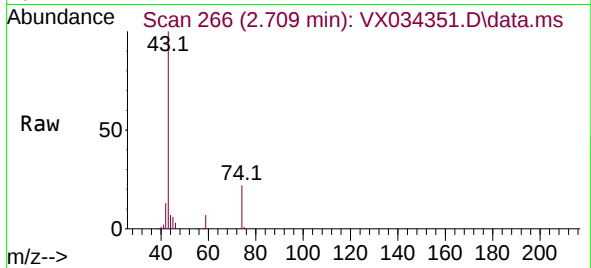




#18
Methyl Acetate
Concen: 4.879 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

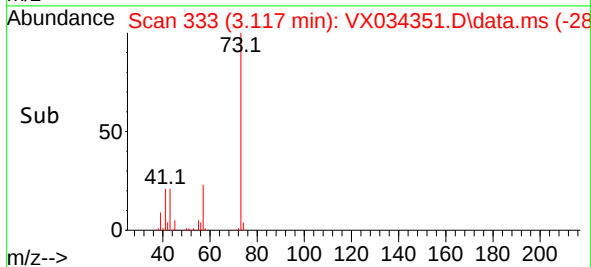
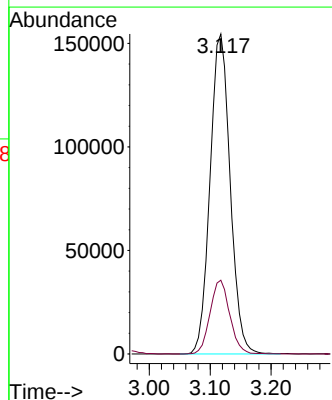
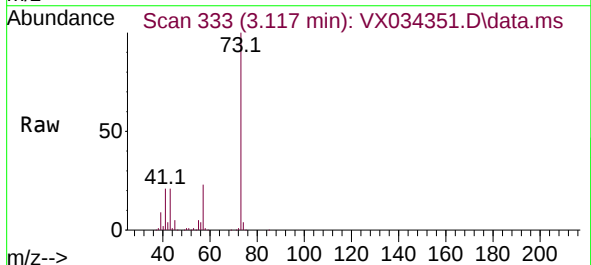
Instrument :
MSVOA_X
ClientSampleId :
2325

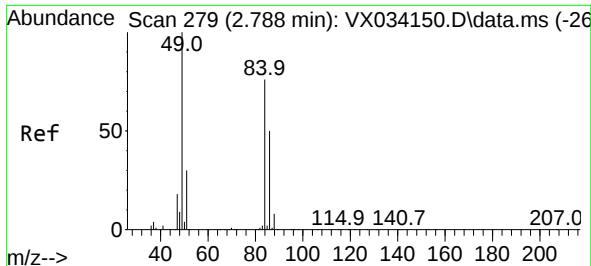
Tgt Ion: 43 Resp: 27699
Ion Ratio Lower Upper
43 100
74 22.0 18.2 27.4



#19
Methyl tert-butyl Ether
Concen: 35.169 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 73 Resp: 354539
Ion Ratio Lower Upper
73 100
57 23.1 17.4 26.0

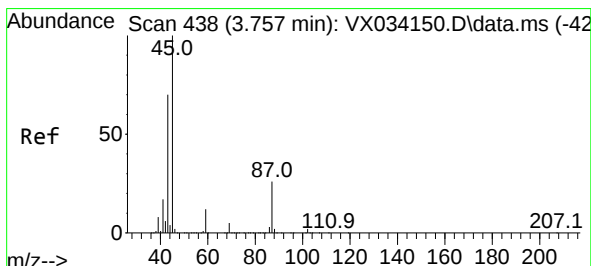
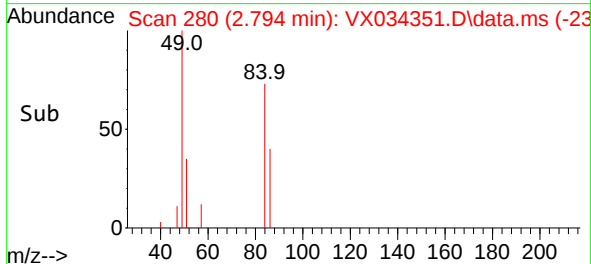
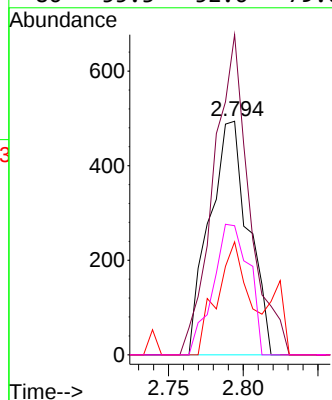
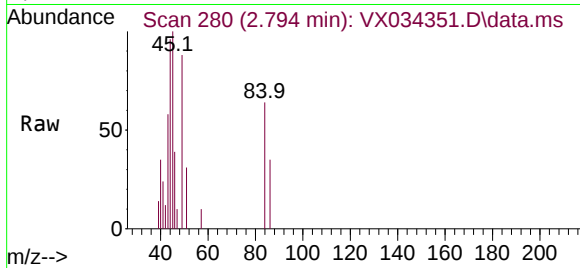




#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

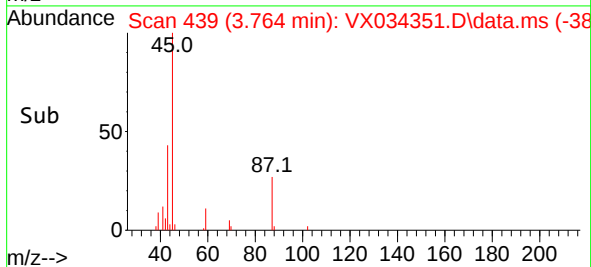
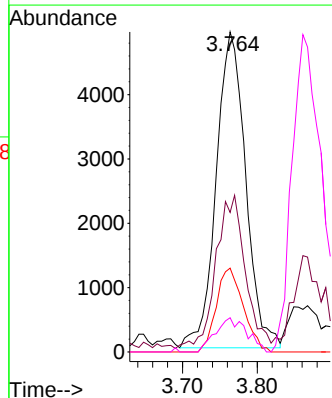
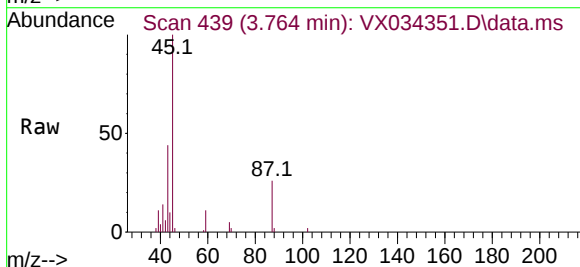
Instrument :
MSVOA_X
ClientSampleId :
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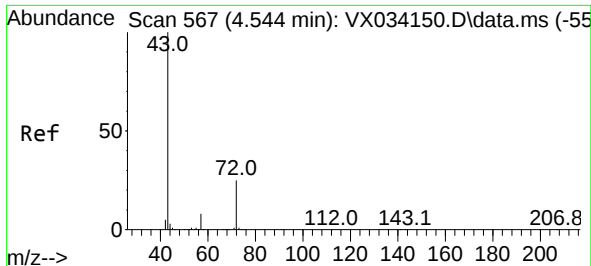
Tgt Ion: 84	Resp: 896
Ion Ratio	Lower Upper
84 100	
49 137.0	101.1 151.7
51 48.4	31.0 46.6#
86 55.3	52.6 79.0



#22
Diisopropyl ether
Concen: 1.268 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 45	Resp: 13472
Ion Ratio	Lower Upper
45 100	
43 42.0	64.6 97.0#
87 26.6	21.9 32.9
59 10.8	9.2 13.8

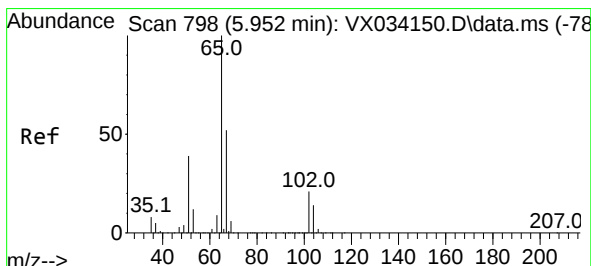
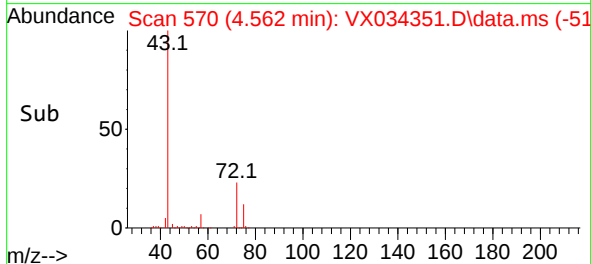
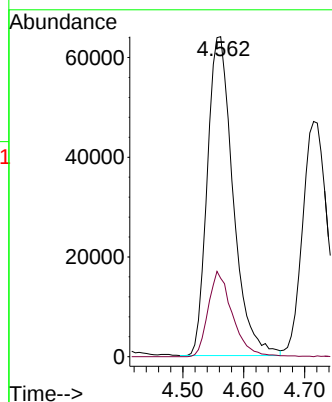
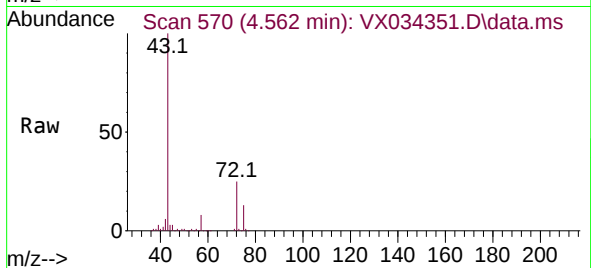




#25
2-Butanone
Concen: 70.864 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

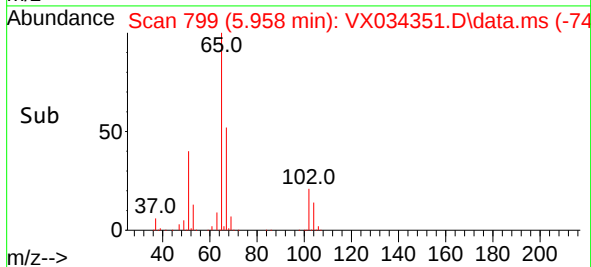
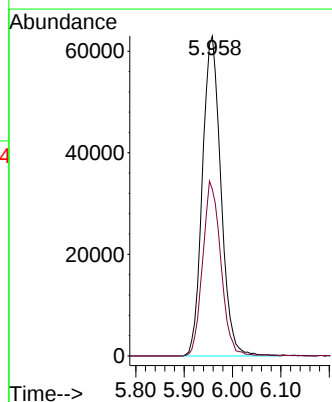
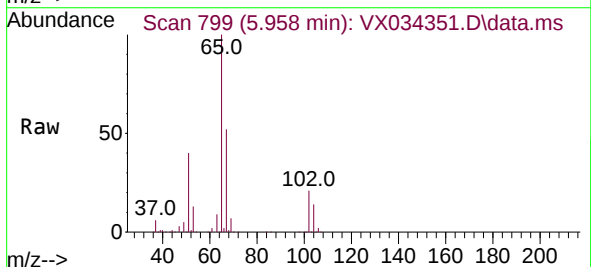
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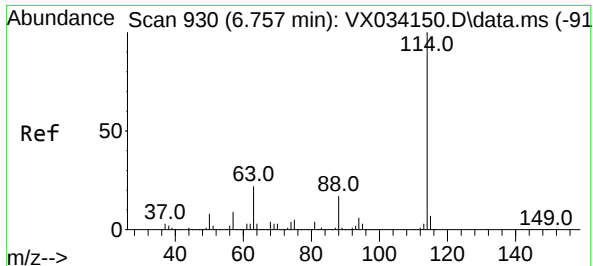
Tgt Ion: 43 Resp: 188114
Ion Ratio Lower Upper
43 100
72 24.6 19.4 29.2



#33
1,2-Dichloroethane-d4
Concen: 47.116 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 65 Resp: 167572
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8

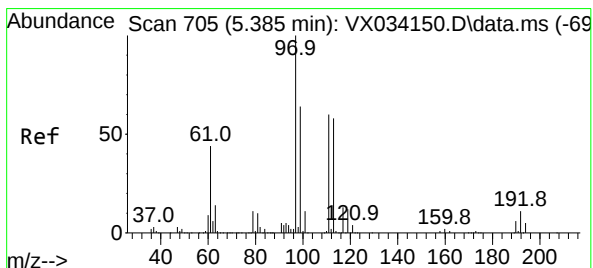
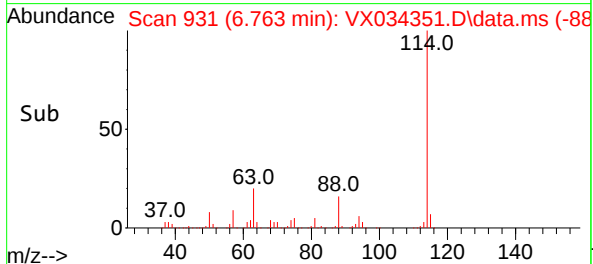
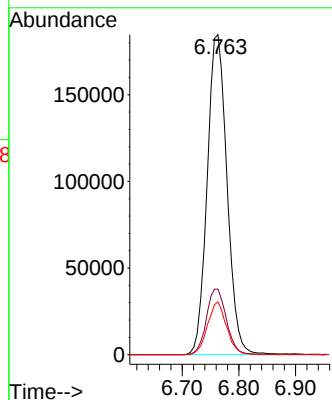
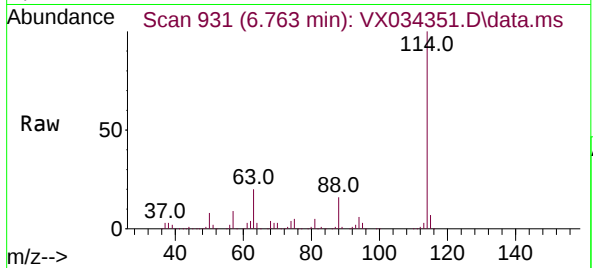




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

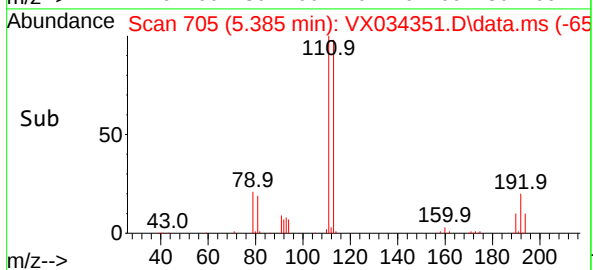
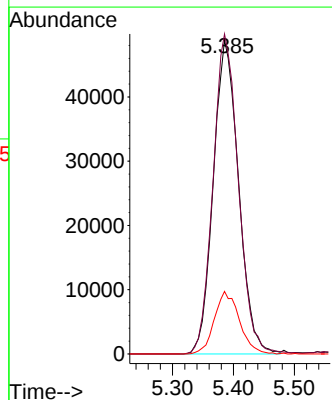
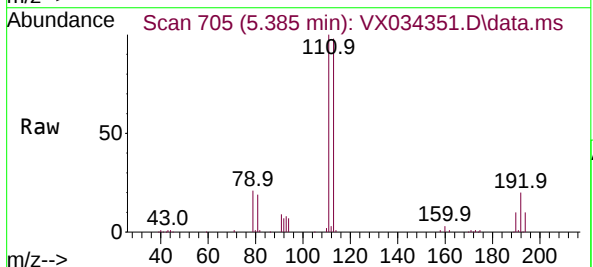
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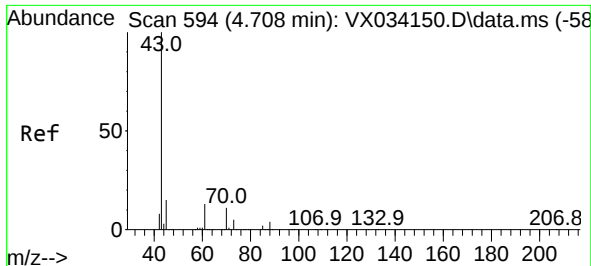
Tgt Ion:114 Resp: 449318
Ion Ratio Lower Upper
114 100
63 20.5 0.0 37.4
88 16.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.066 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion:113 Resp: 140618
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.6
192 19.7 19.0 28.4





#37

Ethyl Acetate

Concen: 28.740 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :

2325

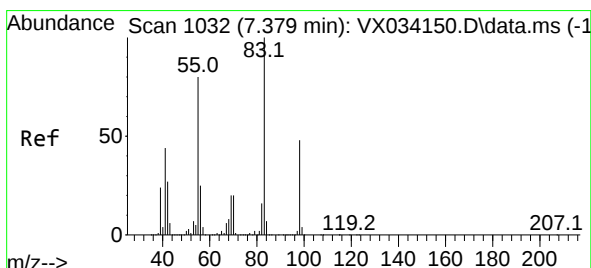
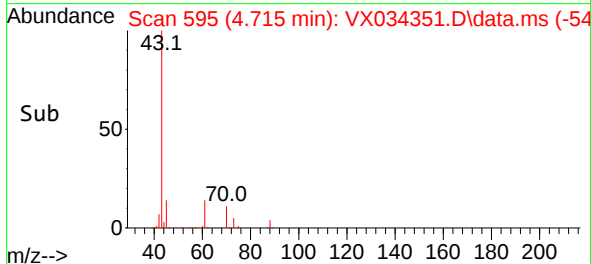
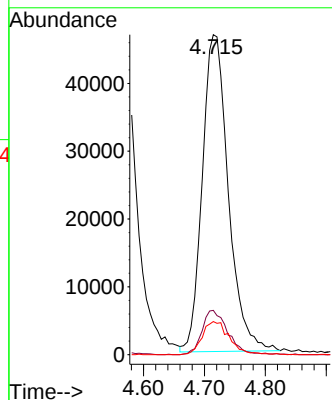
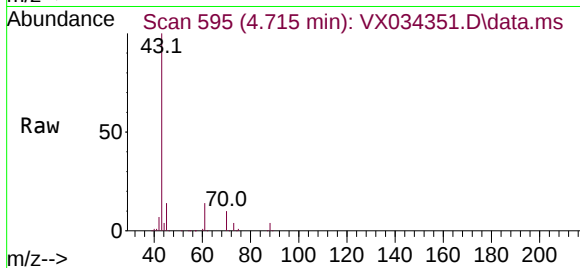
Tgt Ion: 43 Resp: 138965

Ion Ratio Lower Upper

43 100

61 13.9 11.1 16.7

70 10.9 8.5 12.7



#39

Methylcyclohexane

Concen: 0.441 ug/l

RT: 7.391 min Scan# 1034

Delta R.T. 0.012 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

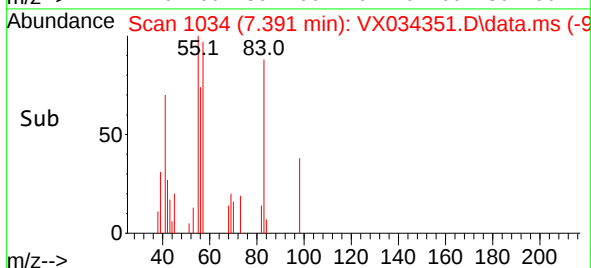
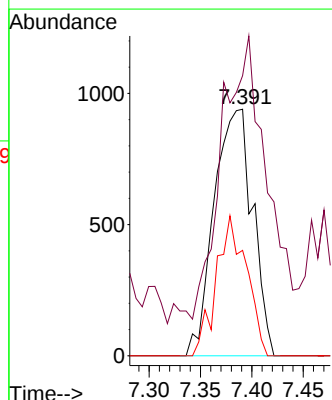
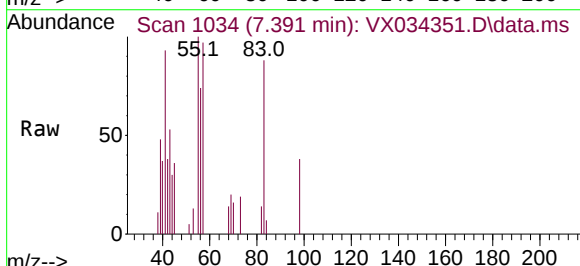
Tgt Ion: 83 Resp: 2454

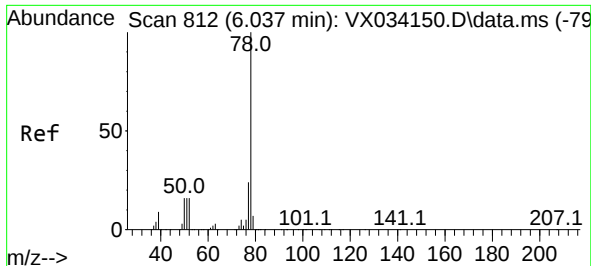
Ion Ratio Lower Upper

83 100

55 95.4 61.8 92.6#

98 42.8 39.3 58.9

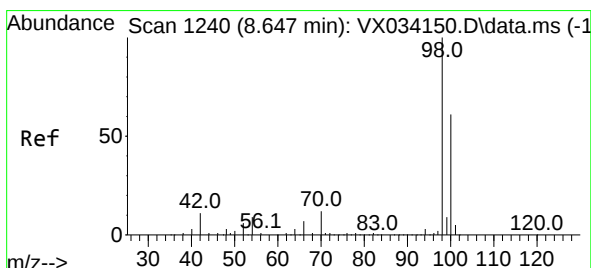
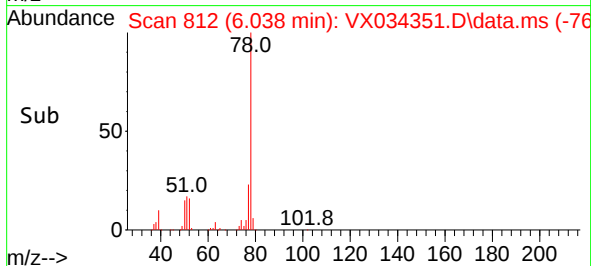
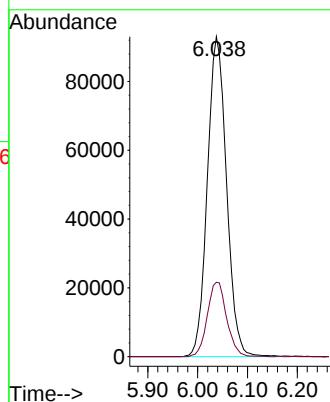
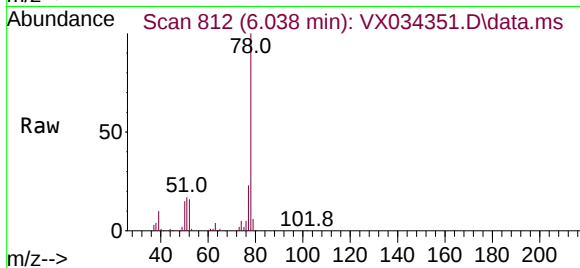




#40
Benzene
Concen: 19.377 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

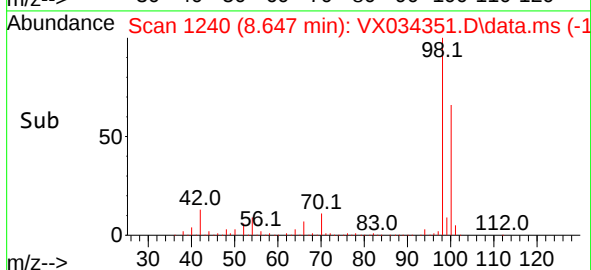
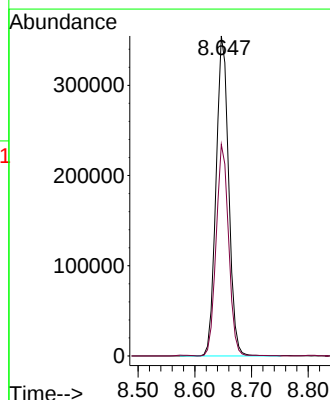
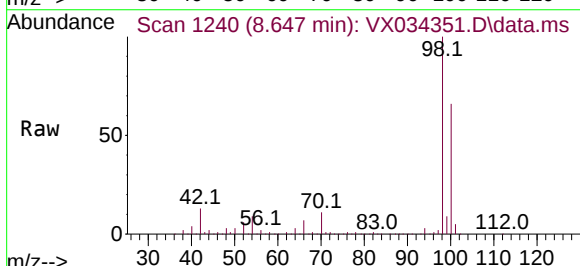
Instrument :
MSVOA_X
ClientSampleId :
2325

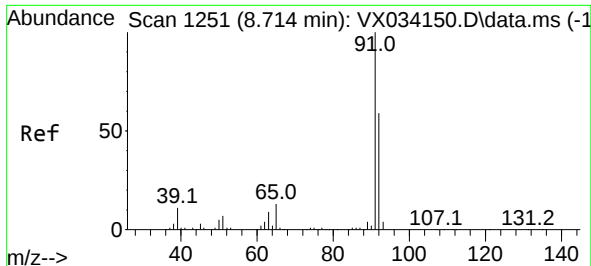
Tgt Ion: 78 Resp: 248445
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4



#50
Toluene-d8
Concen: 52.190 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 98 Resp: 548175
Ion Ratio Lower Upper
98 100
100 65.5 53.6 80.4

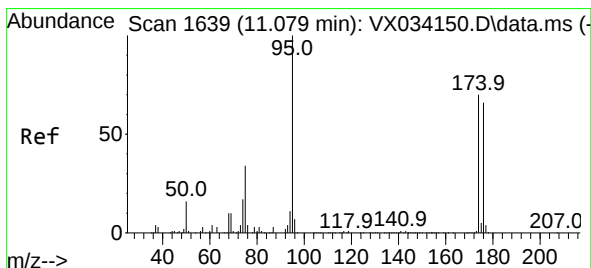
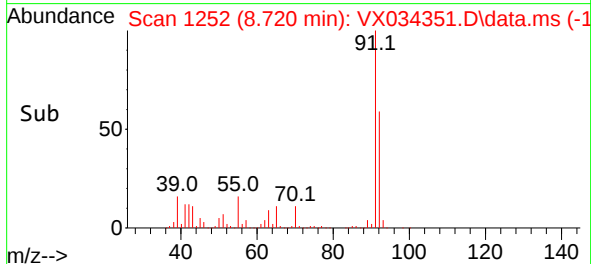
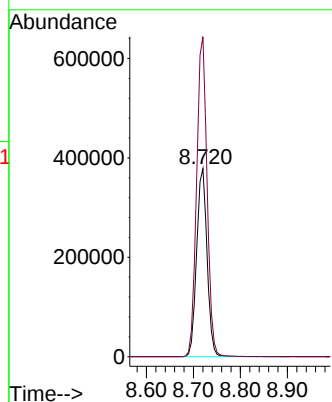
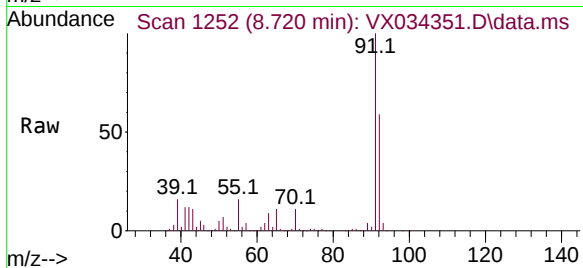




#52
Toluene
Concen: 75.512 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

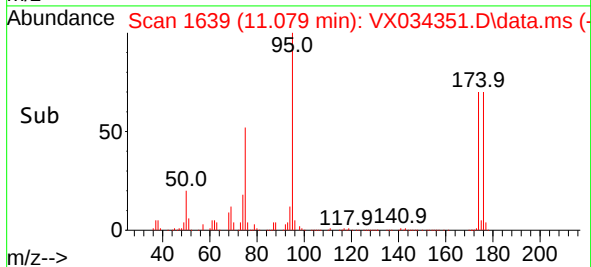
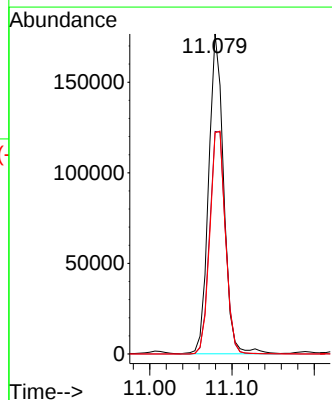
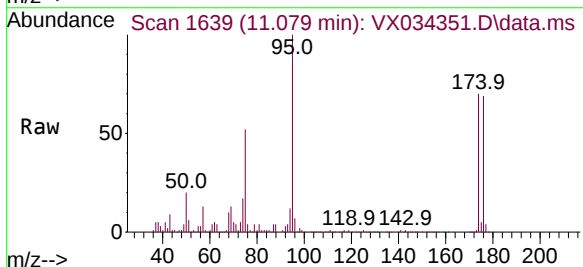
Instrument :
MSVOA_X
ClientSampleId :
2325

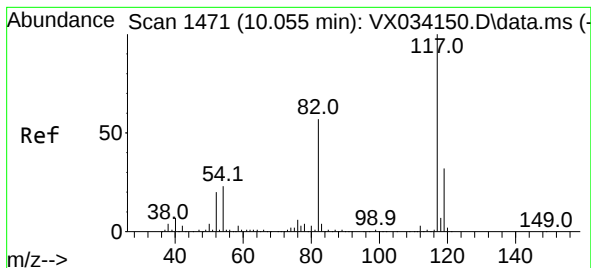
Tgt Ion: 92 Resp: 586645
Ion Ratio Lower Upper
92 100
91 170.5 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 55.852 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 95 Resp: 224395
Ion Ratio Lower Upper
95 100
174 72.9 0.0 184.4
176 71.9 0.0 178.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :

2325

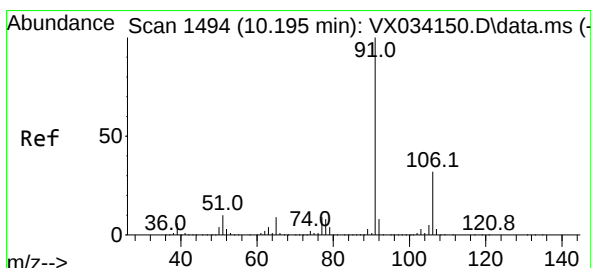
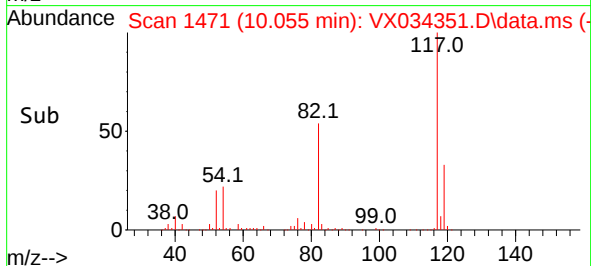
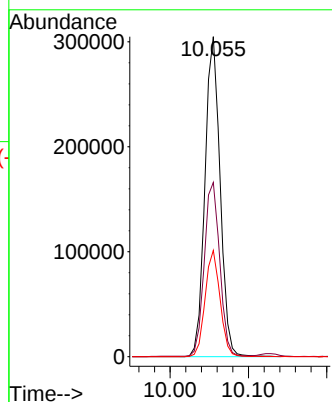
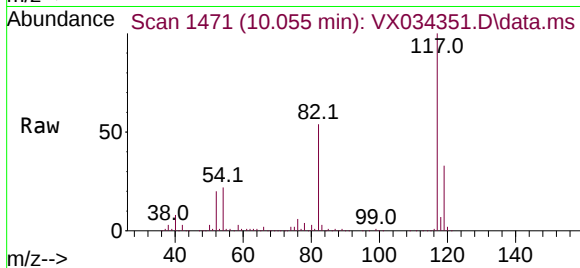
Tgt Ion:117 Resp: 408664

Ion Ratio Lower Upper

117 100

82 54.3 40.6 60.8

119 33.2 25.6 38.4



#67

Ethyl Benzene

Concen: 79.911 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX034351.D

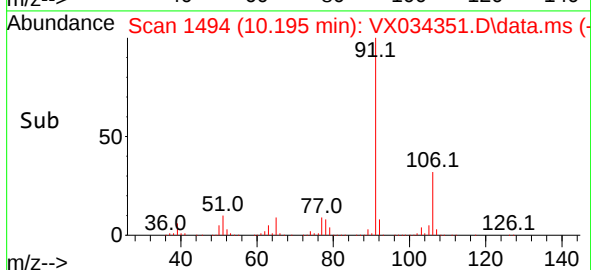
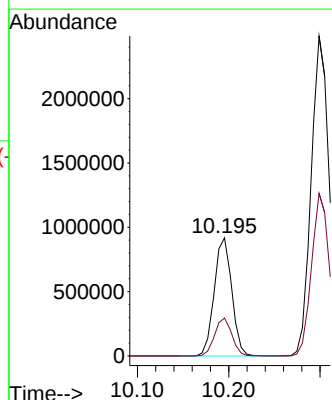
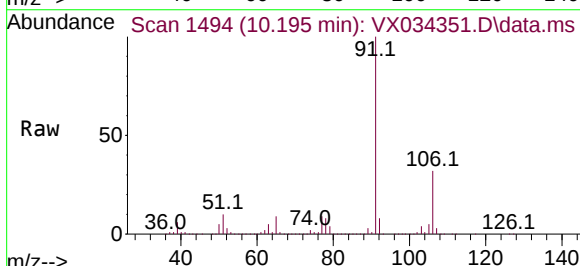
Acq: 06 Mar 2023 15:47

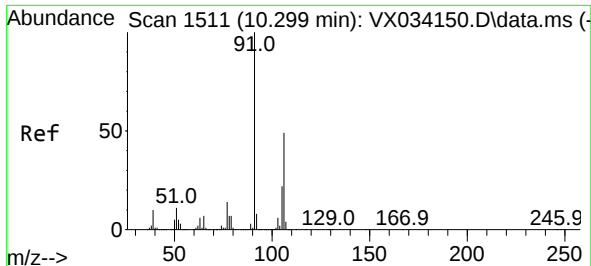
Tgt Ion: 91 Resp: 1222963

Ion Ratio Lower Upper

91 100

106 32.1 25.8 38.8

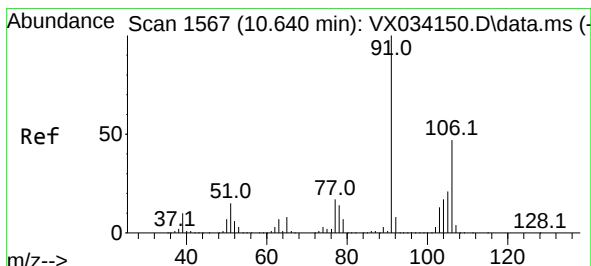
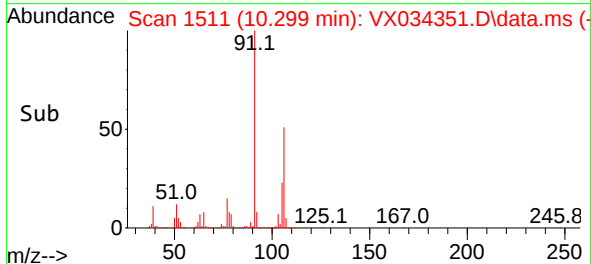
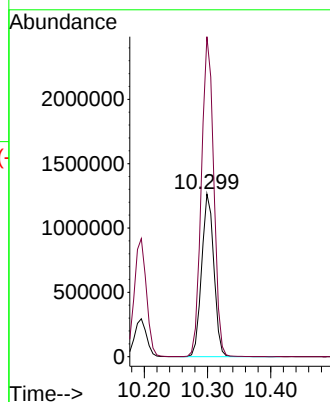
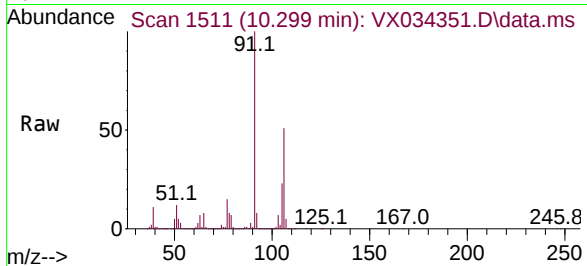




#68
m/p-Xylenes
Concen: 290.323 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

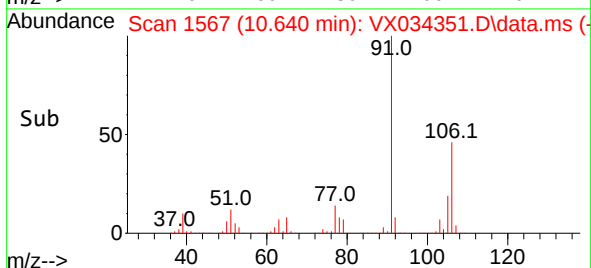
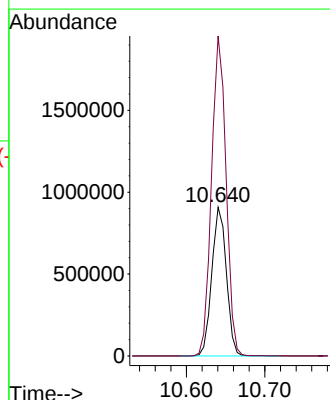
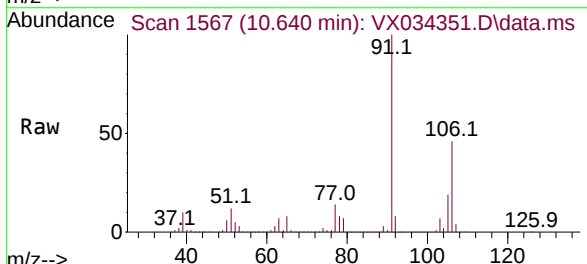
Instrument :
MSVOA_X
ClientSampleId :
2325

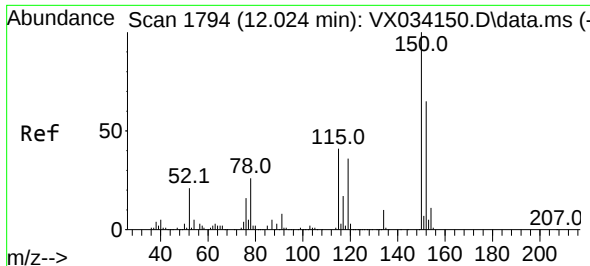
Tgt Ion:106 Resp: 1700329
Ion Ratio Lower Upper
106 100
91 199.1 156.4 234.6



#69
o-Xylene
Concen: 200.539 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion:106 Resp: 1169264
Ion Ratio Lower Upper
106 100
91 215.1 103.1 309.3

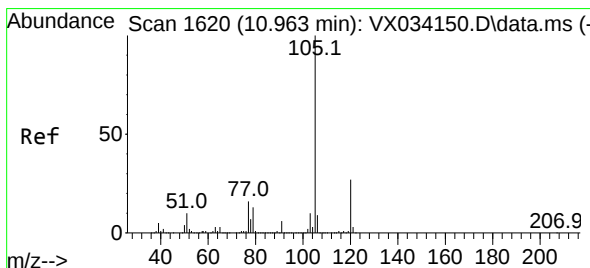
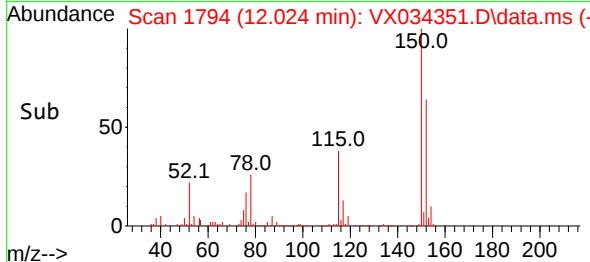
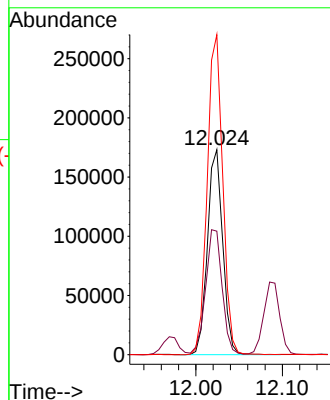
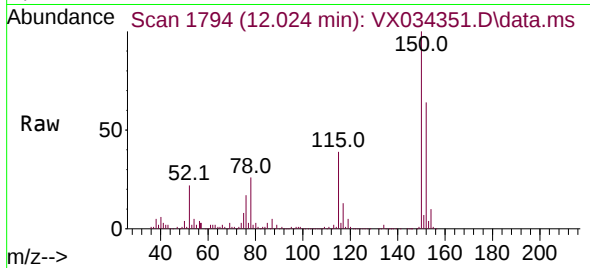




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

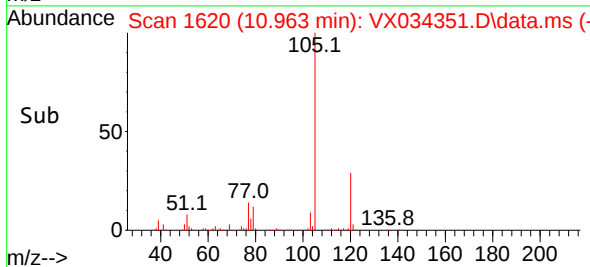
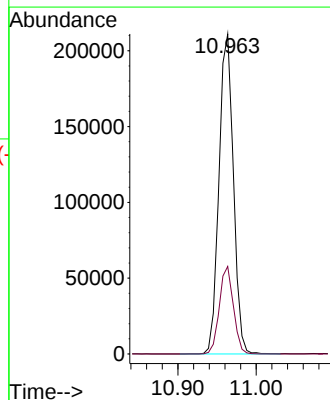
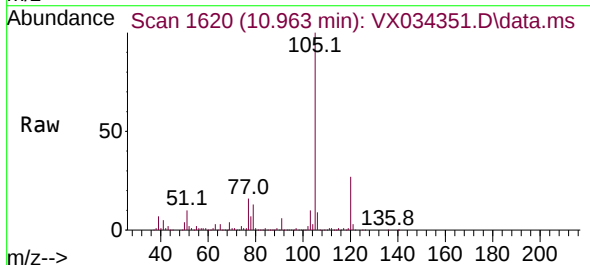
Instrument :
MSVOA_X
ClientSampleId :
2325

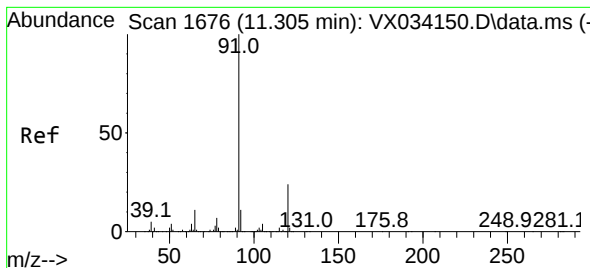
Tgt Ion:152 Resp: 212485
Ion Ratio Lower Upper
152 100
115 65.6 38.7 116.1
150 157.9 0.0 348.2



#73
Isopropylbenzene
Concen: 16.695 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion:105 Resp: 270354
Ion Ratio Lower Upper
105 100
120 26.6 13.6 40.8





#78

n-propylbenzene

Concen: 45.063 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :

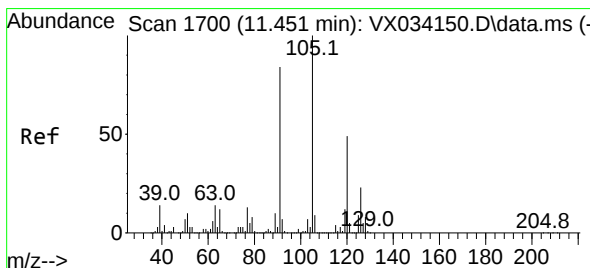
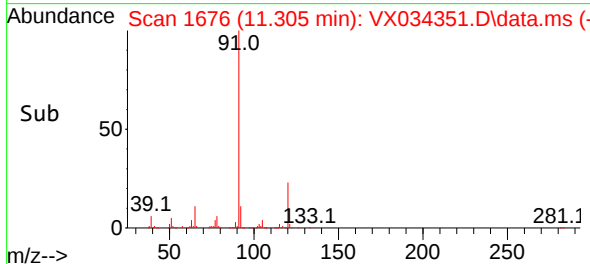
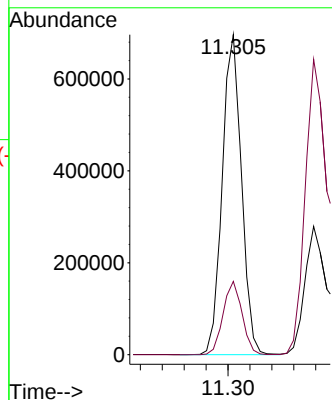
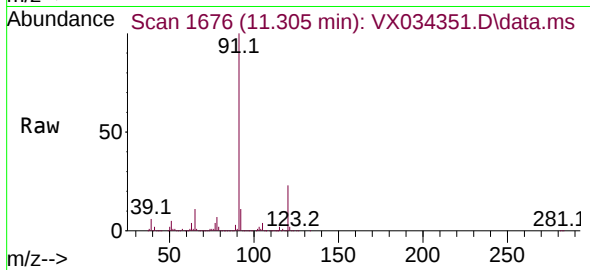
2325

Tgt Ion: 91 Resp: 848716

Ion Ratio Lower Upper

91 100

120 22.6 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 73.317 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034351.D

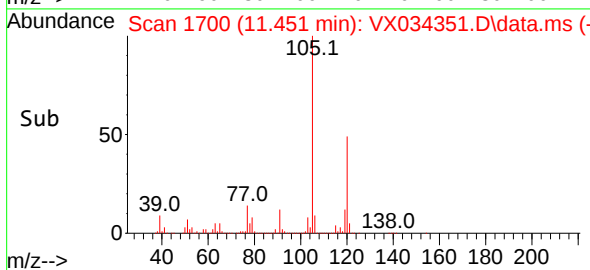
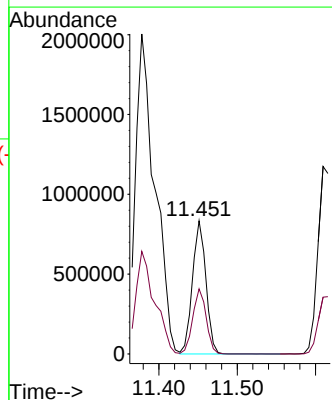
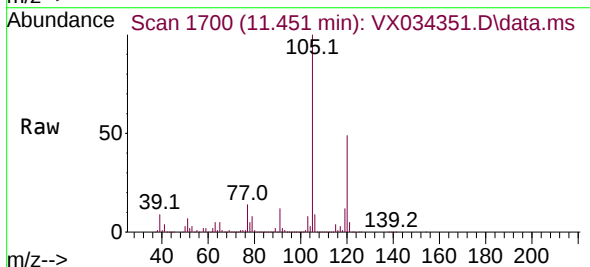
Acq: 06 Mar 2023 15:47

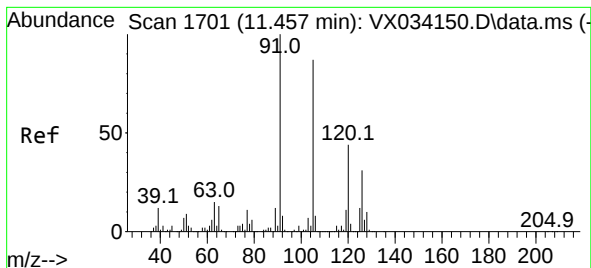
Tgt Ion: 105 Resp: 998220

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8

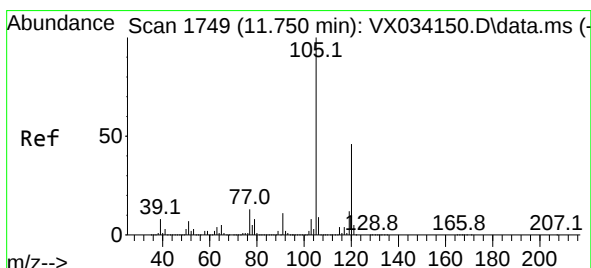
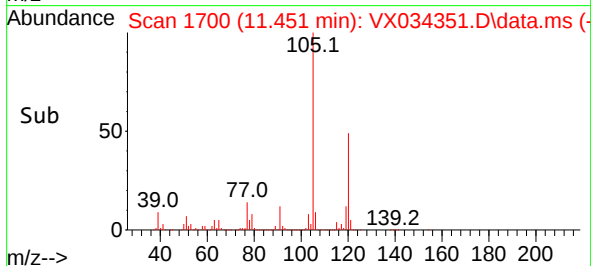
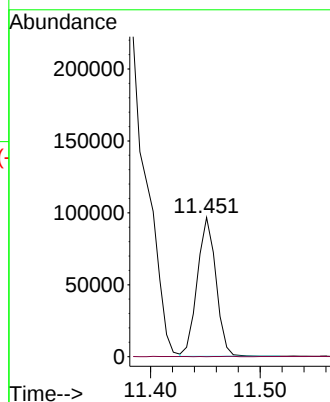
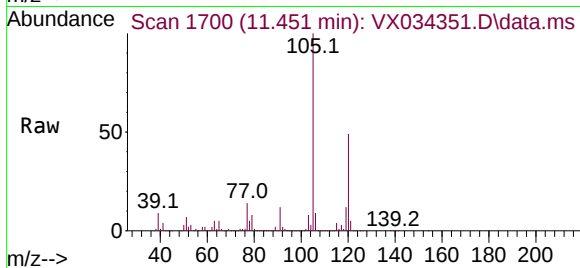




#82
4-Chlorotoluene
Concen: 8.681 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

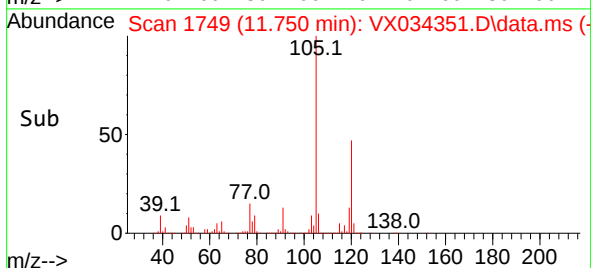
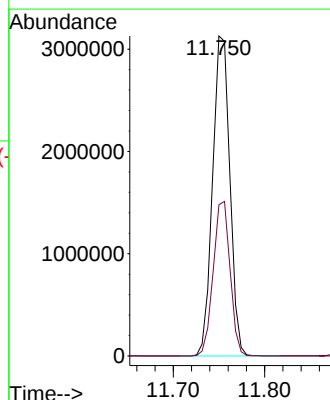
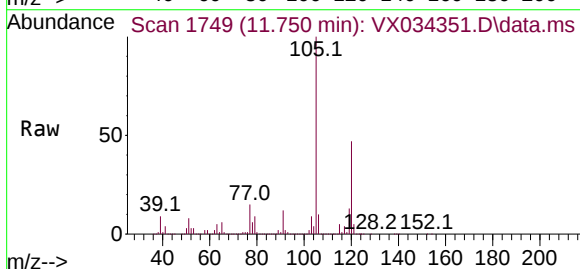
Instrument :
MSVOA_X
ClientSampleId :
2325

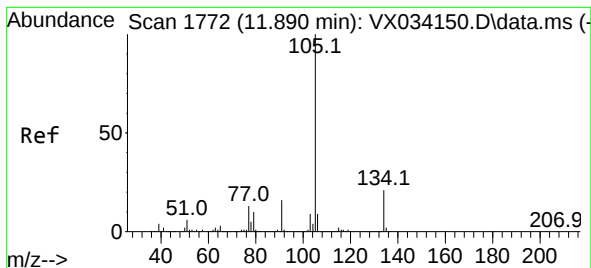
Tgt Ion: 91 Resp: 114184
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



#84
1,2,4-Trimethylbenzene
Concen: 297.658 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Tgt Ion: 105 Resp: 4097664
Ion Ratio Lower Upper
105 100
120 47.3 23.4 70.2





#85

sec-Butylbenzene

Concen: 10.648 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

Instrument :

MSVOA_X

ClientSampleId :

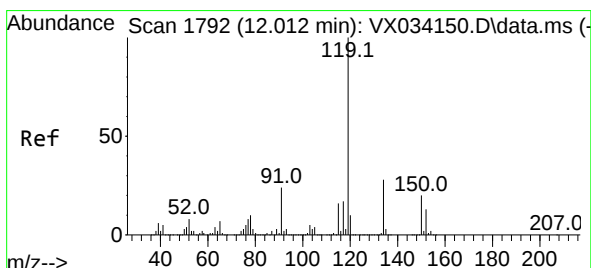
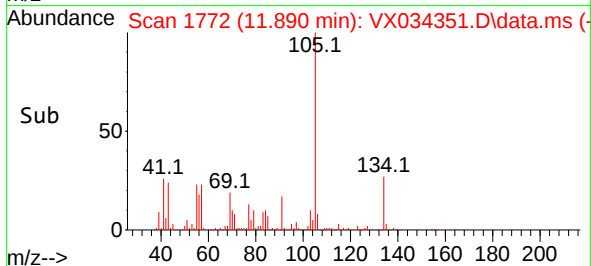
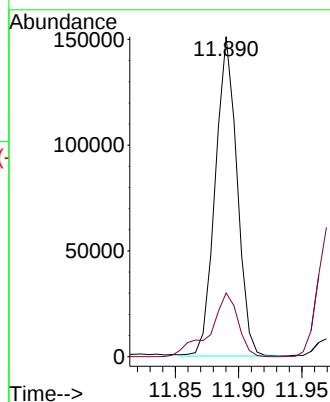
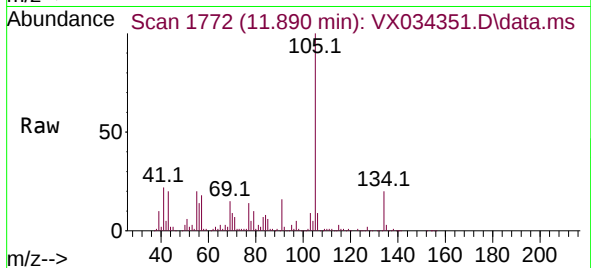
2325

Tgt Ion:105 Resp: 180305

Ion Ratio Lower Upper

105 100

134 25.7 10.8 32.3



#86

p-Isopropyltoluene

Concen: 8.005 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX034351.D

Acq: 06 Mar 2023 15:47

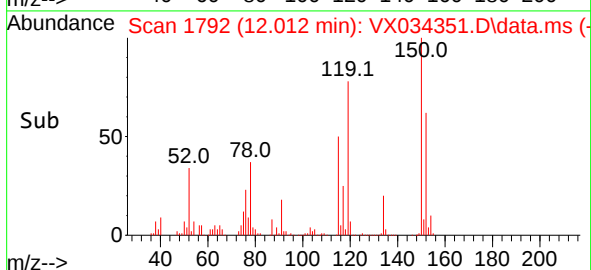
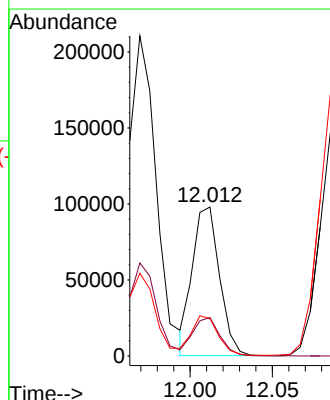
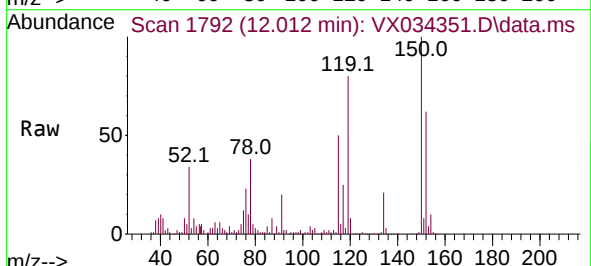
Tgt Ion:119 Resp: 112184

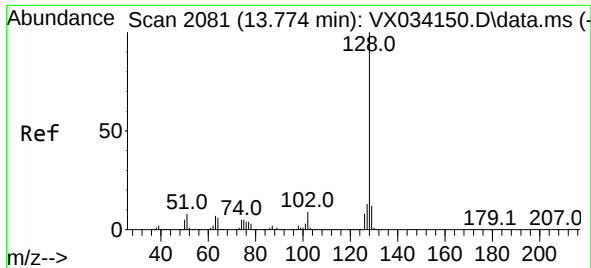
Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

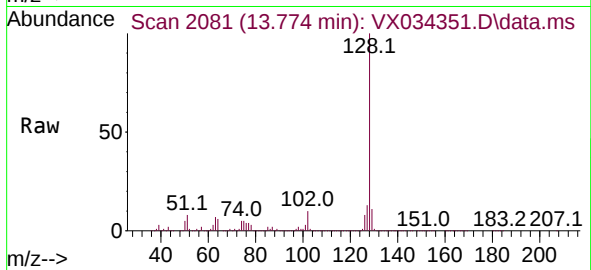
91 25.7 11.0 33.0





#95
Naphthalene
Concen: 97.469 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX034351.D
Acq: 06 Mar 2023 15:47

Instrument :
MSVOA_X
ClientSampleId :
2325



Tgt Ion:128 Resp: 1507426
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.5 8.7 13.1

