

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034356.D
 Acq On : 06 Mar 2023 17:45
 Operator : JC/MD
 Sample : 01816-06DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2325DL

Quant Time: Mar 07 00:42:07 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)

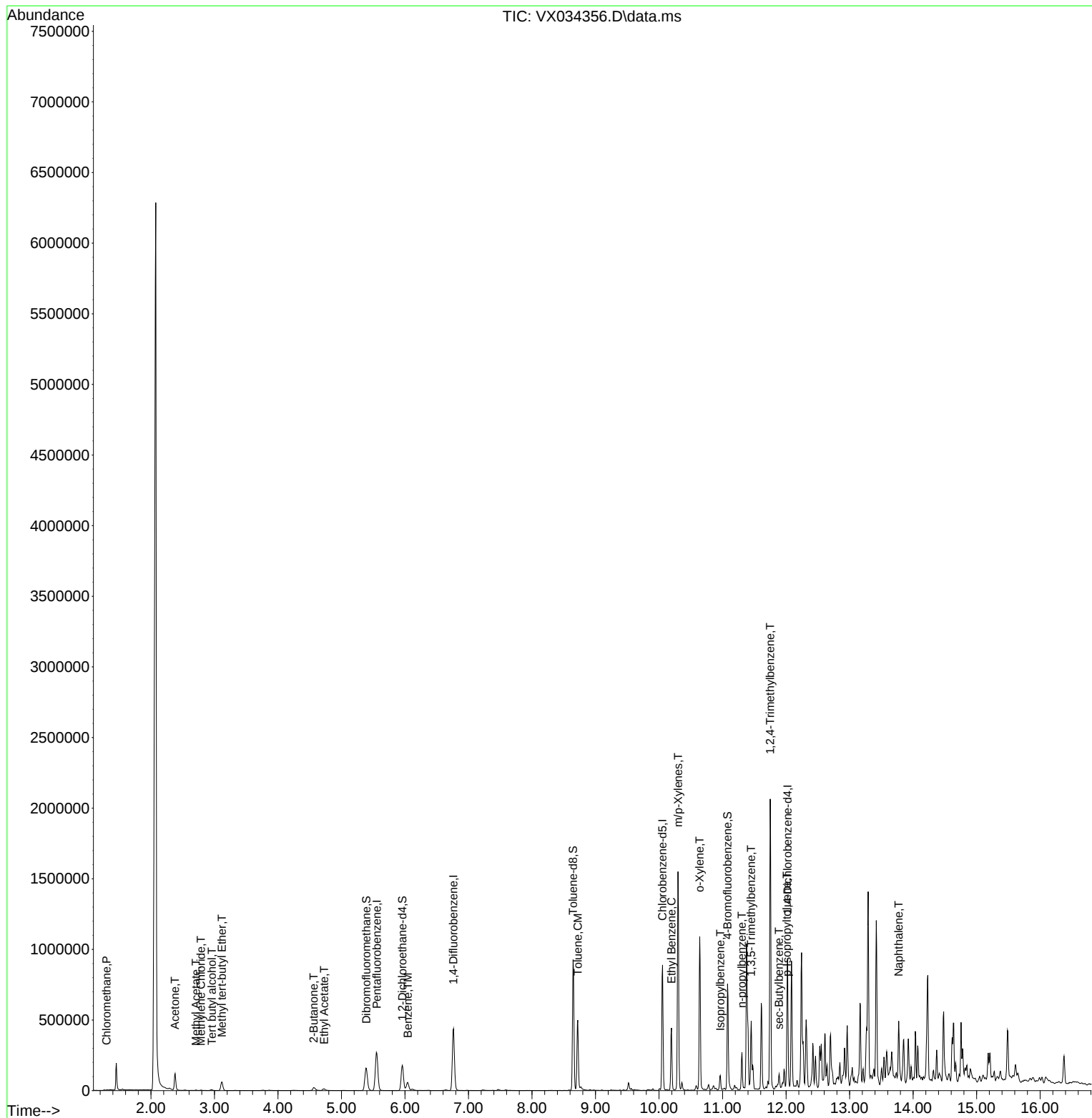
Internal Standards						
1) Pentafluorobenzene	5.556	168	264888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	447337	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	395500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	184149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165954	46.519	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.040%		
35) Dibromofluoromethane	5.391	113	139568	47.919	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.840%		
50) Toluene-d8	8.647	98	538434	51.489	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.980%		
62) 4-Bromofluorobenzene	11.079	95	193431	48.358	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.720%		
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	710	0.216	ug/l #	88
11) Tert butyl alcohol	2.959	59	6202	7.773	ug/l #	90
16) Acetone	2.380	43	120217	65.327	ug/l	93
18) Methyl Acetate	2.709	43	4364	0.766	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	68874	6.811	ug/l	98
20) Methylene Chloride	2.788	84	1221	0.368	ug/l #	81
25) 2-Butanone	4.562	43	30043	11.283	ug/l	99
37) Ethyl Acetate	4.727	43	22660	4.707	ug/l	98
40) Benzene	6.043	78	69449	5.441	ug/l	99
52) Toluene	8.720	92	169019	21.852	ug/l	98
67) Ethyl Benzene	10.195	91	251563	16.985	ug/l	98
68) m/p-Xylenes	10.299	106	348293	61.449	ug/l	95
69) o-Xylene	10.640	106	234958	41.639	ug/l	96
73) Isopropylbenzene	10.963	105	50817	3.621	ug/l	99
78) n-propylbenzene	11.305	91	159320	9.761	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	195430	16.563	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	861262	72.190	ug/l	99
85) sec-Butylbenzene	11.890	105	37763	2.573	ug/l	89
86) p-Isopropyltoluene	12.012	119	23975	1.974	ug/l	95
95) Naphthalene	13.774	128	249351	18.604	ug/l	99

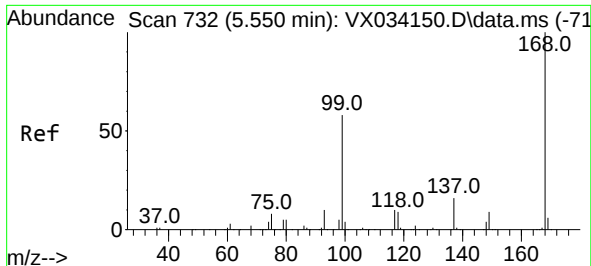
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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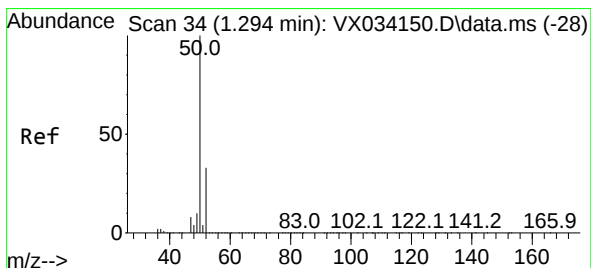
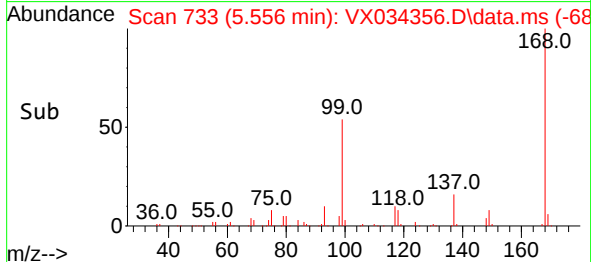
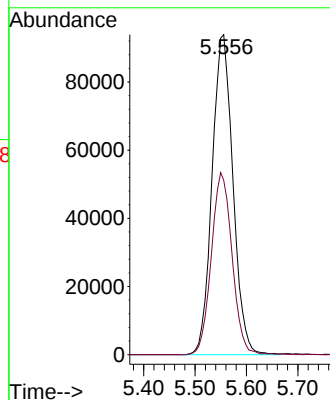
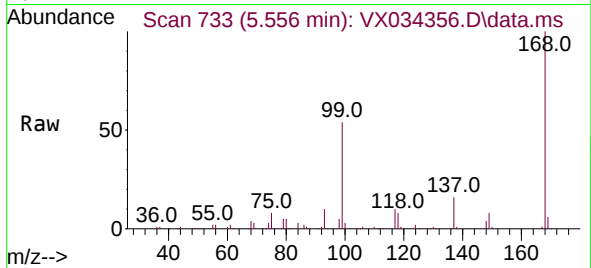




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

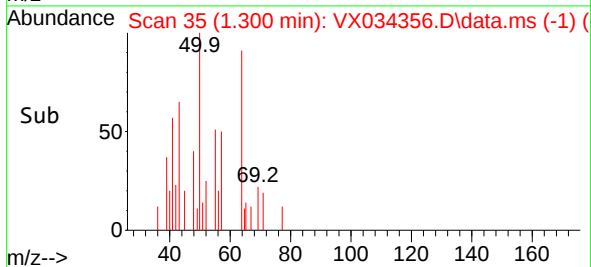
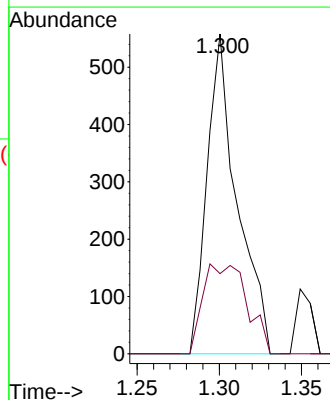
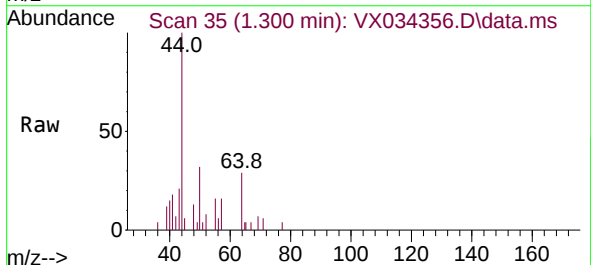
Instrument :
MSVOA_X
ClientSampleId :
2325DL

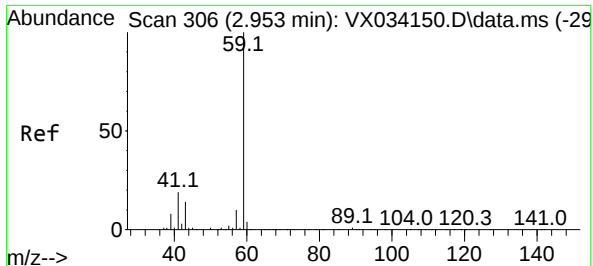
Tgt Ion:168 Resp: 264888
Ion Ratio Lower Upper
168 100
99 54.5 39.6 59.4



#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 50 Resp: 710
Ion Ratio Lower Upper
50 100
52 25.1 25.2 37.8#





#11

Tert butyl alcohol

Concen: 7.773 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.006 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

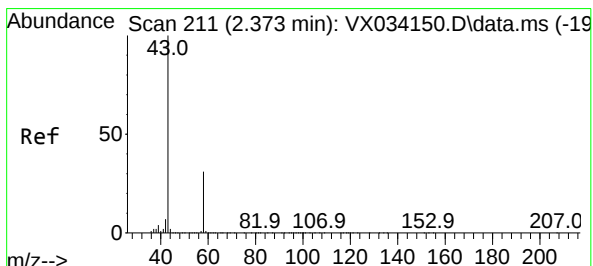
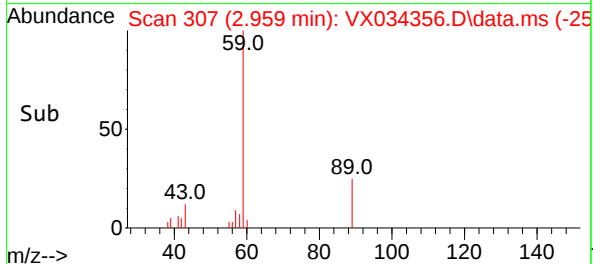
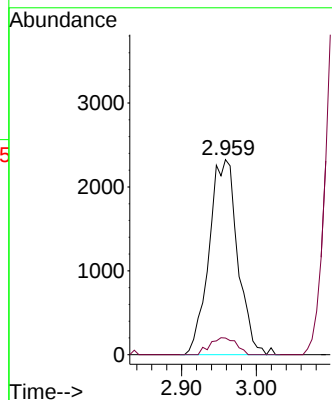
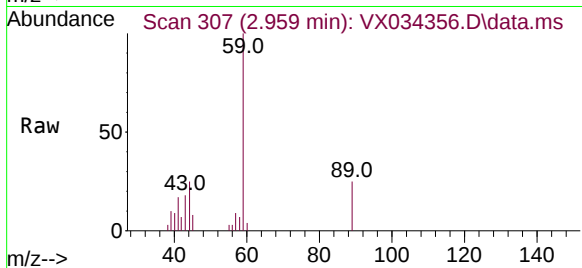
2325DL

Tgt Ion: 59 Resp: 6202

Ion Ratio Lower Upper

59 100

57 7.9 3.7 5.5#



#16

Acetone

Concen: 65.327 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX034356.D

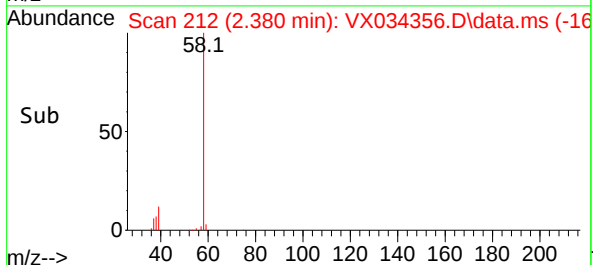
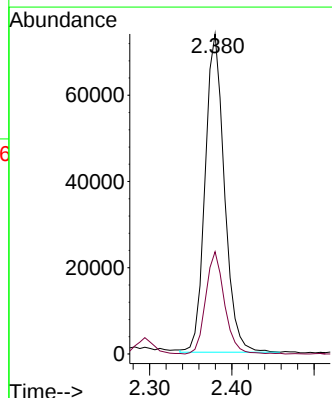
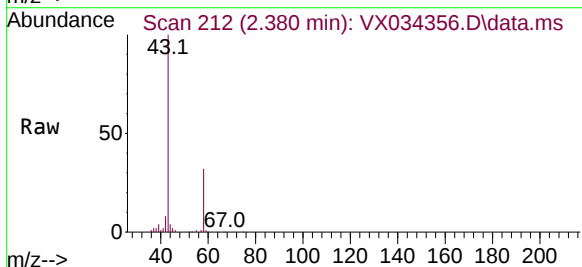
Acq: 06 Mar 2023 17:45

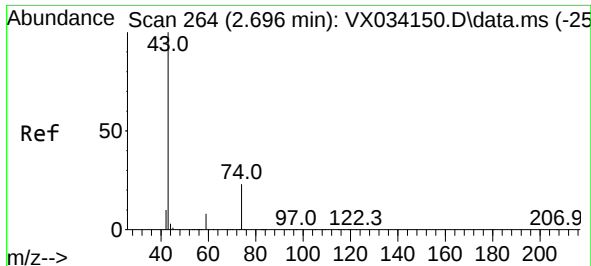
Tgt Ion: 43 Resp: 120217

Ion Ratio Lower Upper

43 100

58 32.0 22.6 33.8

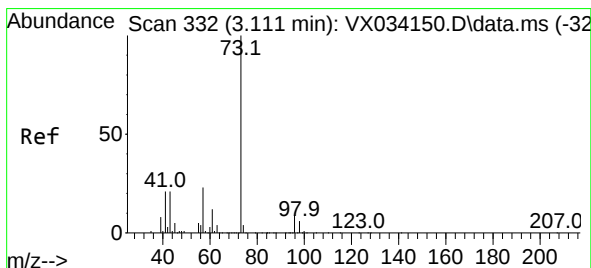
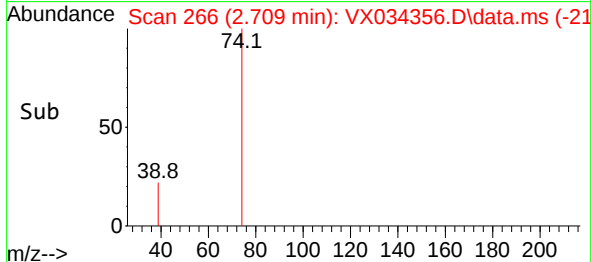
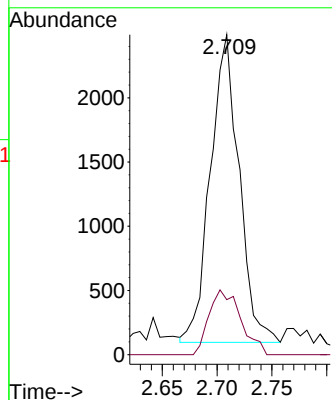
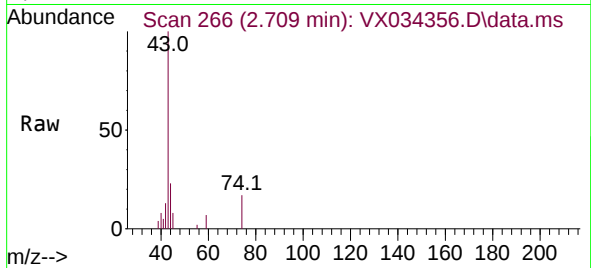




#18
Methyl Acetate
Concen: 0.766 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

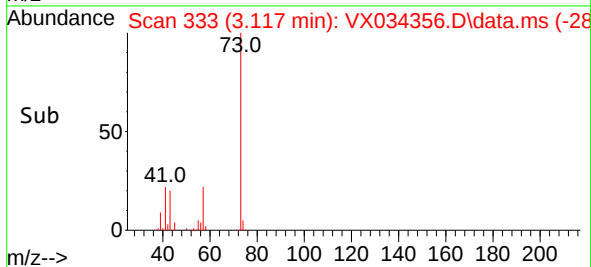
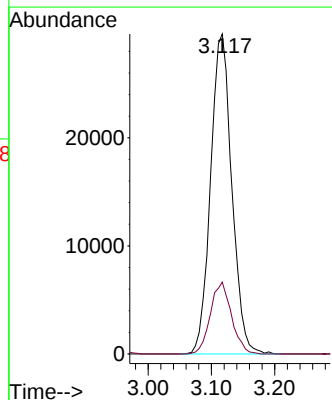
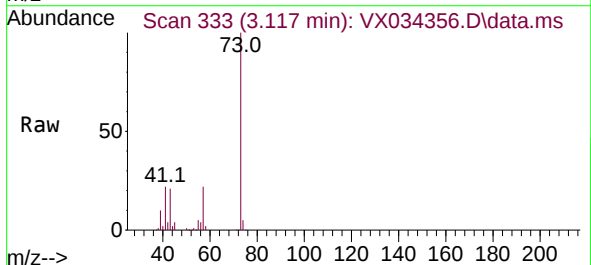
Instrument :
MSVOA_X
ClientSampleId :
2325DL

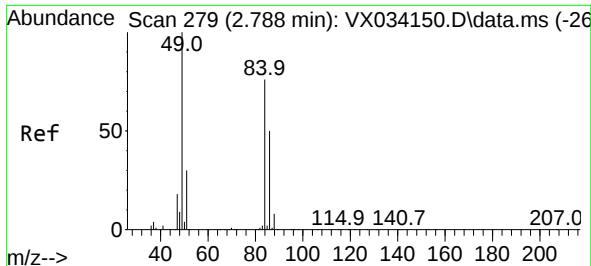
Tgt Ion: 43 Resp: 4364
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.4



#19
Methyl tert-butyl Ether
Concen: 6.811 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 73 Resp: 68874
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

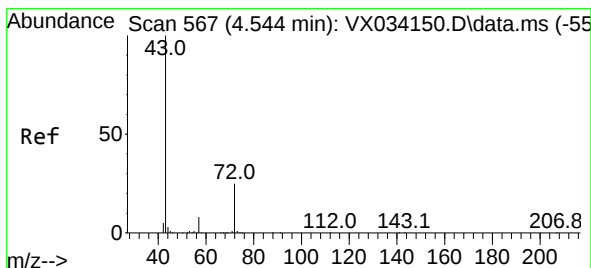
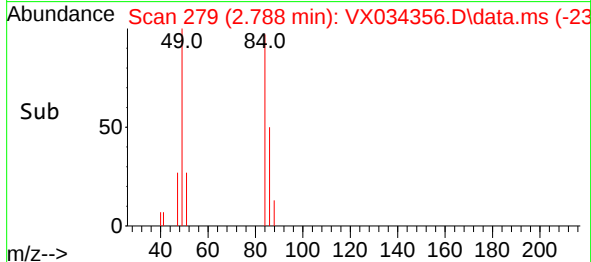
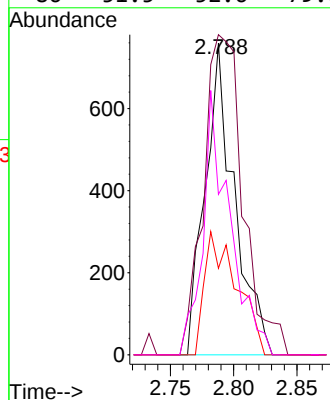
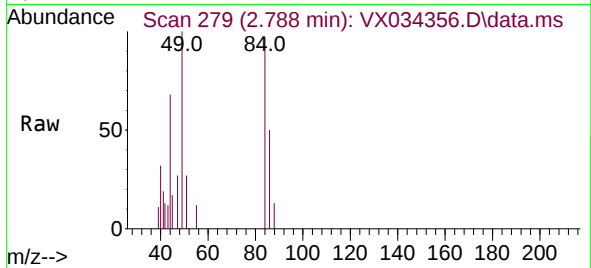




#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

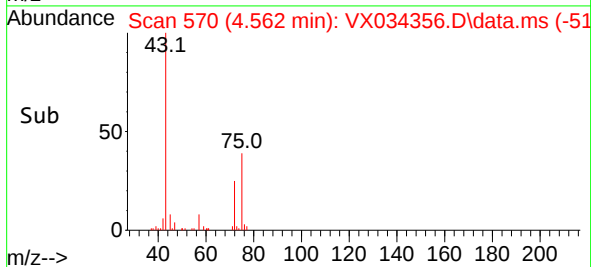
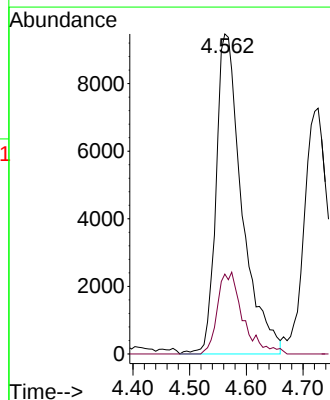
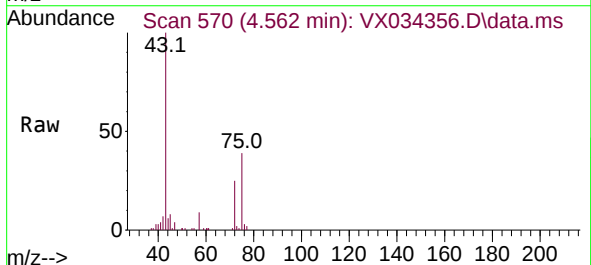
Instrument :
MSVOA_X
ClientSampleId :
2325DL

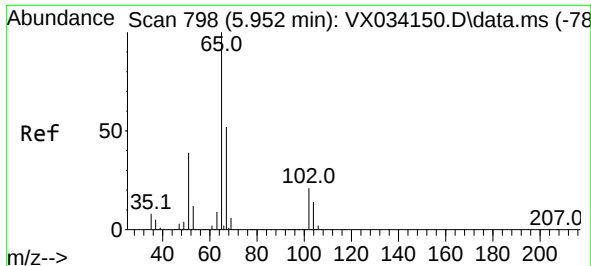
Tgt Ion:	84	Resp:	1221
Ion	Ratio	Lower	Upper
84	100		
49	102.8	101.1	151.7
51	27.8	31.0	46.6#
86	51.5	52.6	79.0#



#25
2-Butanone
Concen: 11.283 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.018 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion:	43	Resp:	30043
Ion	Ratio	Lower	Upper
43	100		
72	24.9	19.4	29.2





#33

1,2-Dichloroethane-d4

Concen: 46.519 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

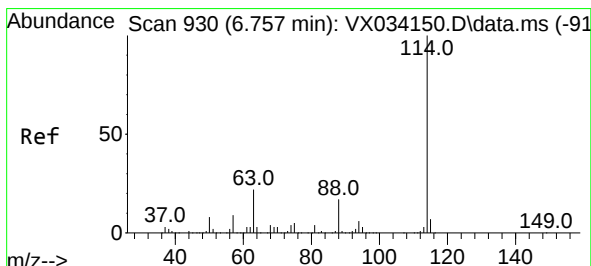
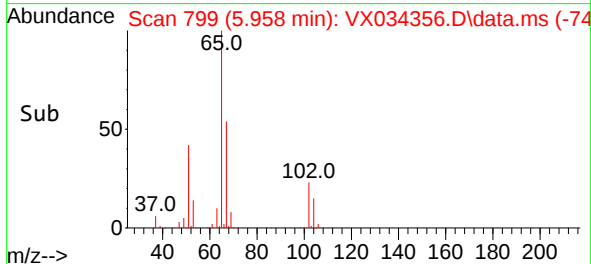
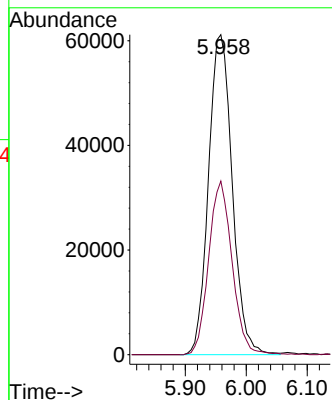
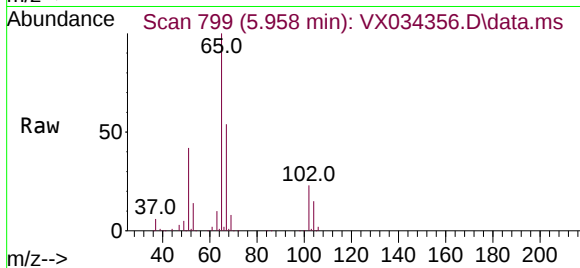
2325DL

Tgt Ion: 65 Resp: 165954

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

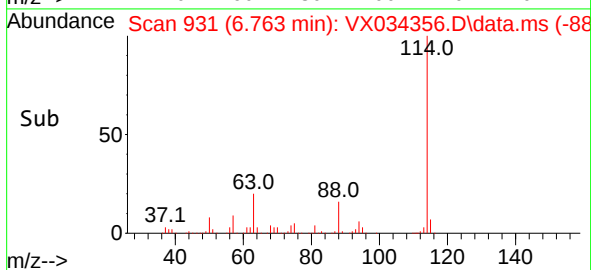
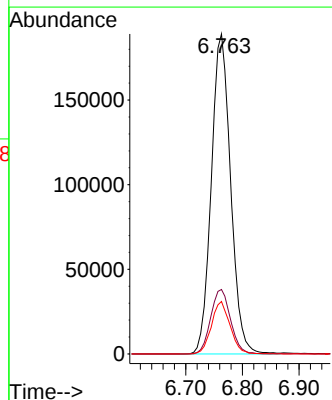
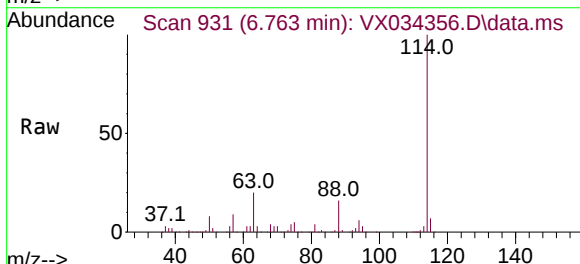
Tgt Ion: 114 Resp: 447337

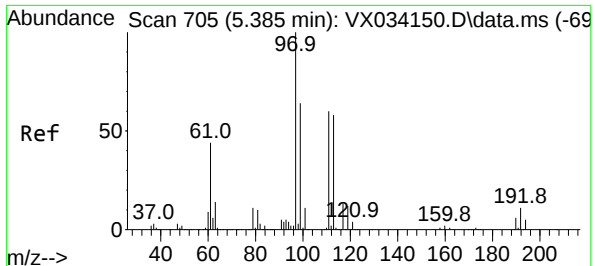
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 16.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.919 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

2325DL

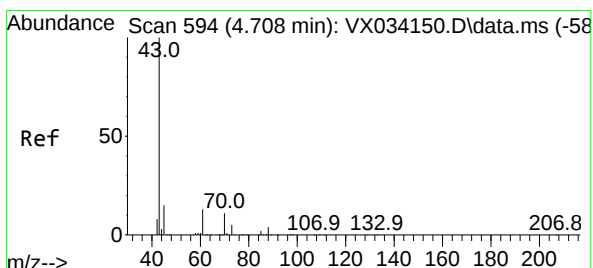
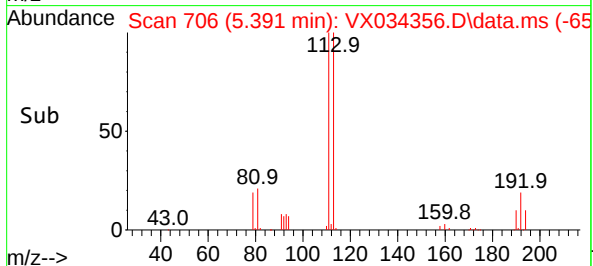
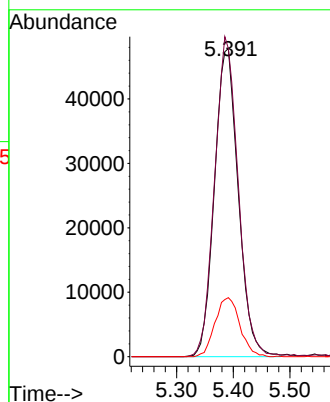
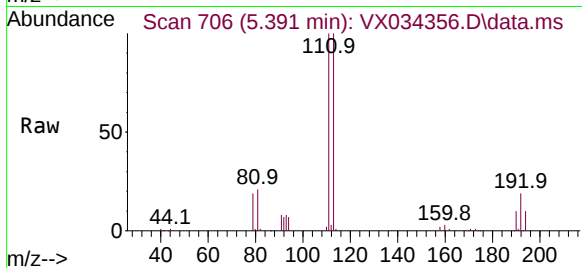
Tgt Ion:113 Resp: 139568

Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.6

192 19.9 19.0 28.4



#37

Ethyl Acetate

Concen: 4.707 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.018 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

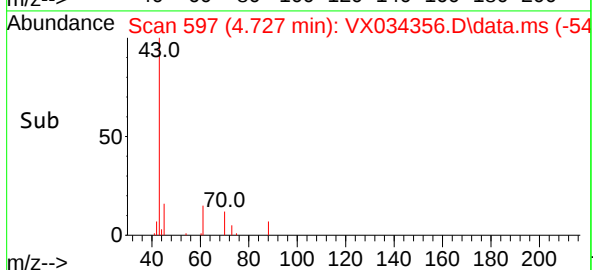
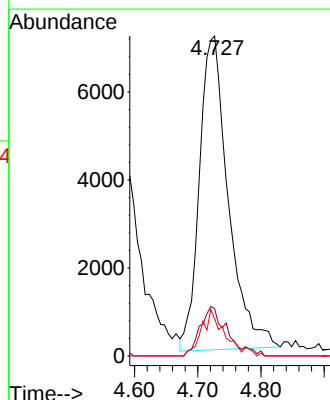
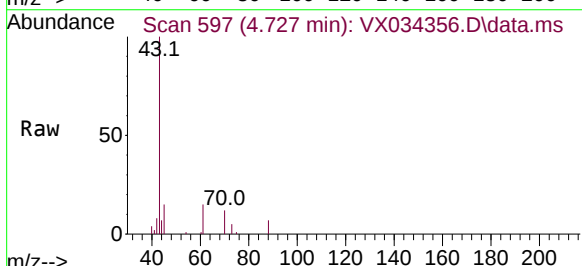
Tgt Ion: 43 Resp: 22660

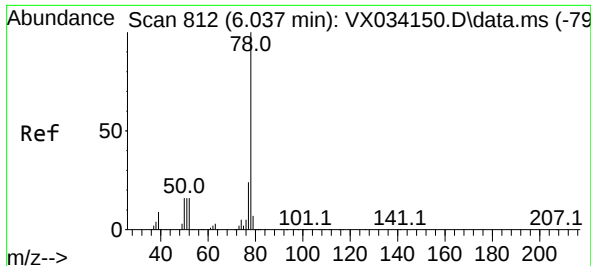
Ion Ratio Lower Upper

43 100

61 14.8 11.1 16.7

70 11.2 8.5 12.7

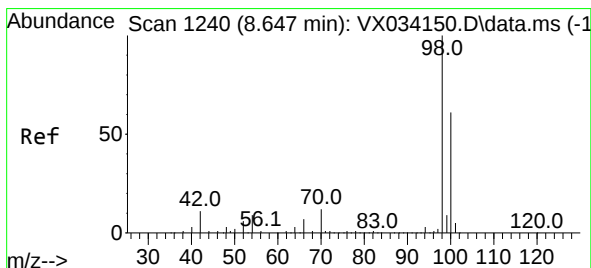
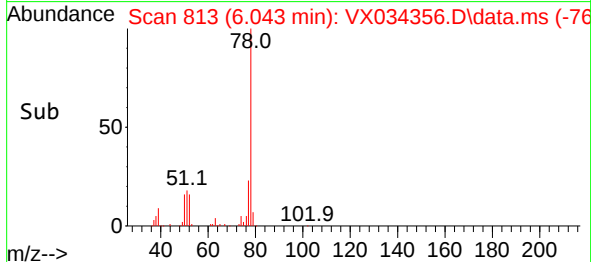
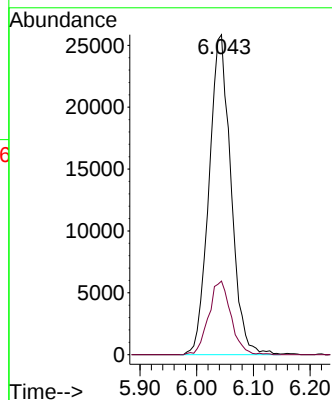
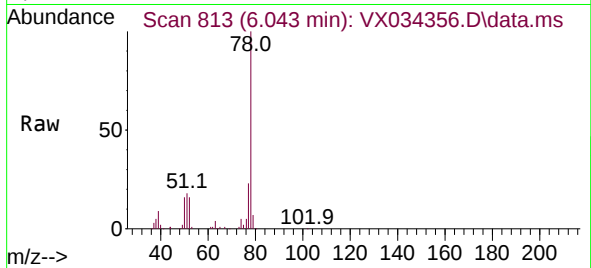




#40
Benzene
Concen: 5.441 ug/l
RT: 6.043 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

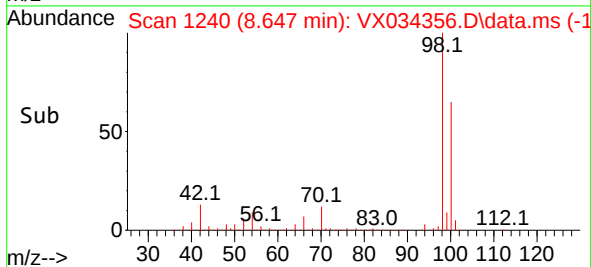
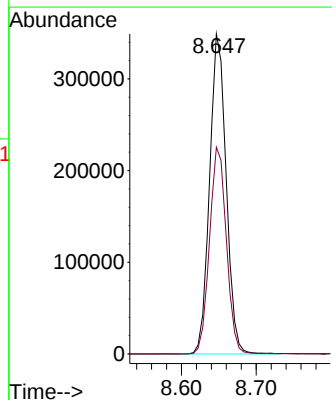
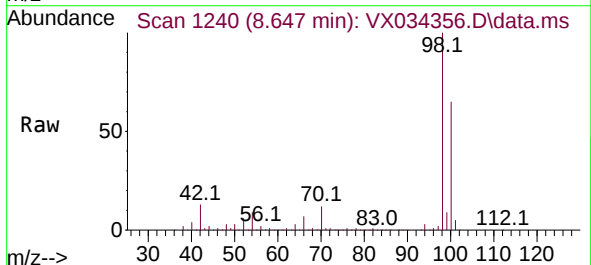
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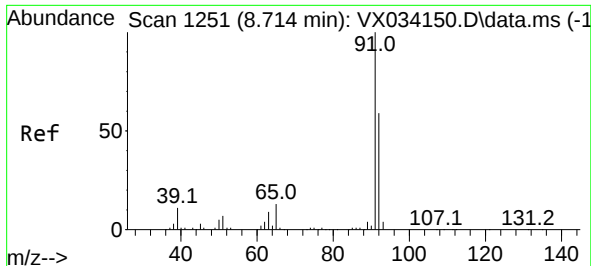
Tgt Ion: 78 Resp: 69449
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.4



#50
Toluene-d8
Concen: 51.489 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 98 Resp: 538434
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4

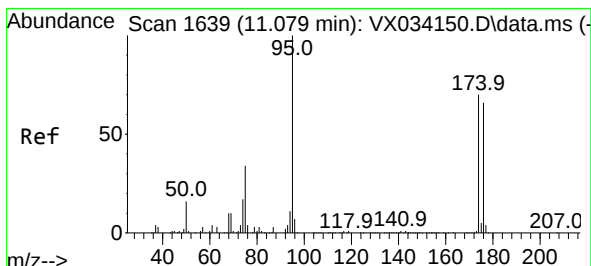
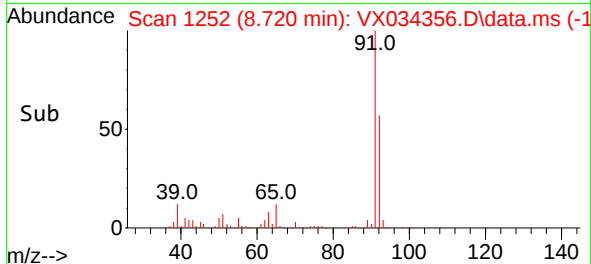
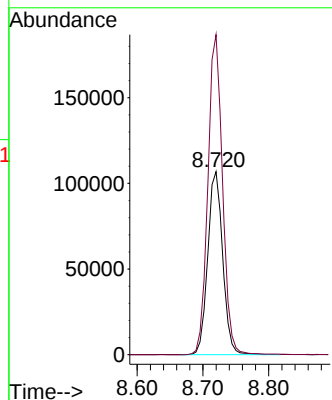
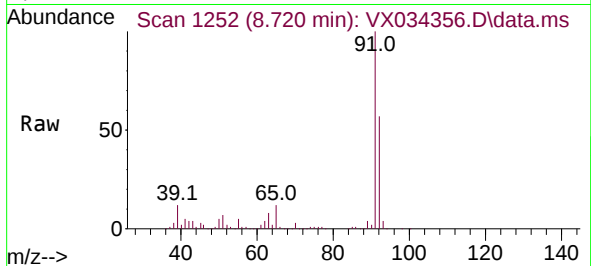




#52
Toluene
Concen: 21.852 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

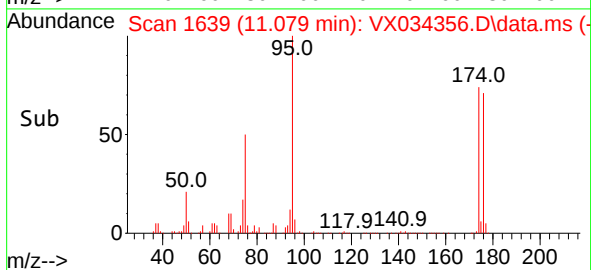
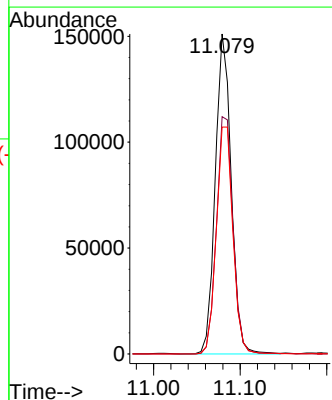
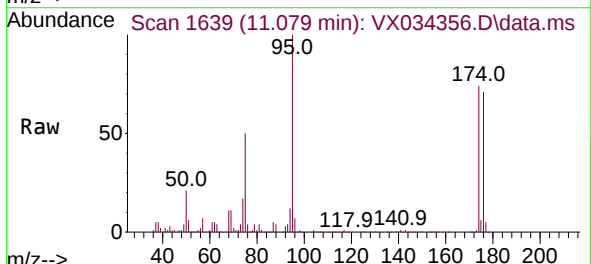
Instrument :
MSVOA_X
ClientSampleId :
2325DL

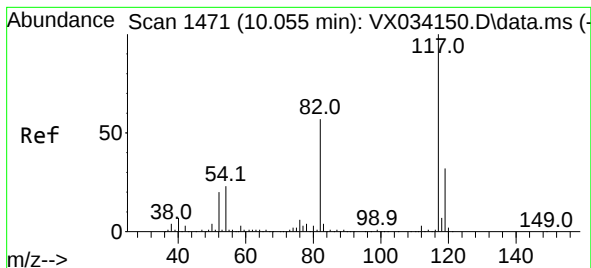
Tgt Ion: 92 Resp: 169019
Ion Ratio Lower Upper
92 100
91 171.8 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 48.358 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 95 Resp: 193431
Ion Ratio Lower Upper
95 100
174 76.9 0.0 184.4
176 73.9 0.0 178.8

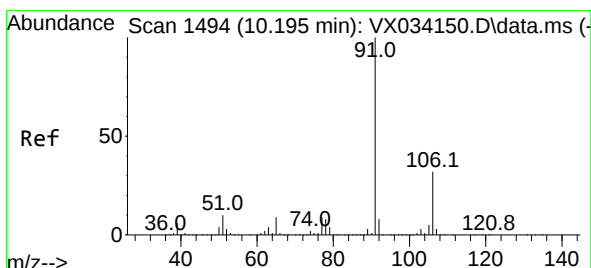
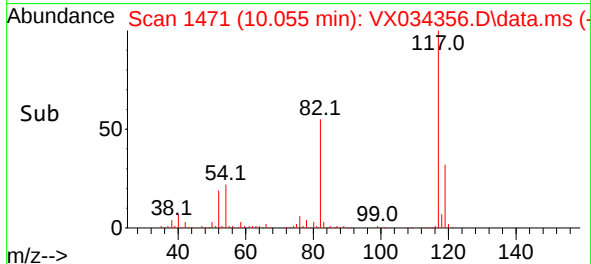
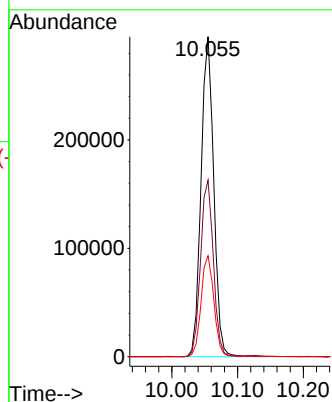
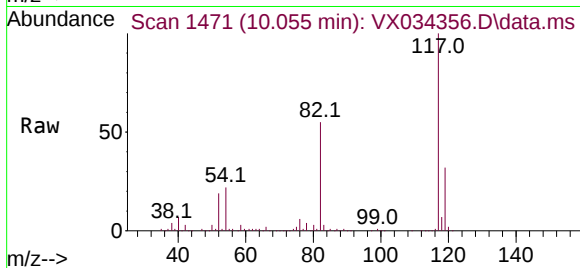




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

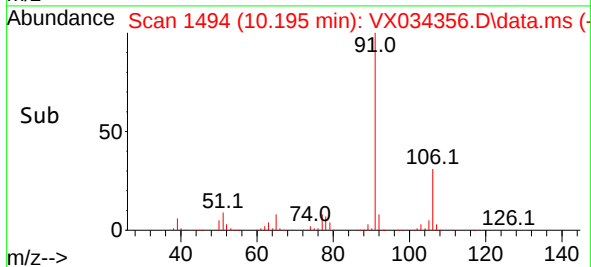
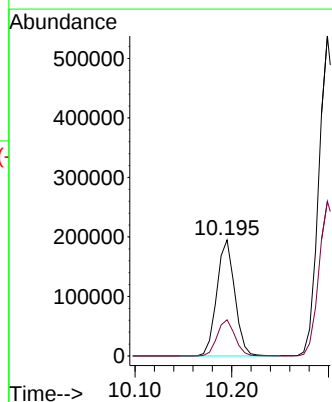
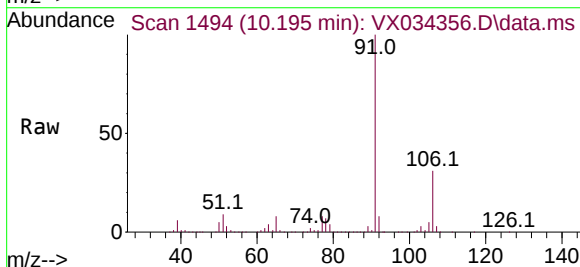
Instrument :
MSVOA_X
ClientSampleId :
2325DL

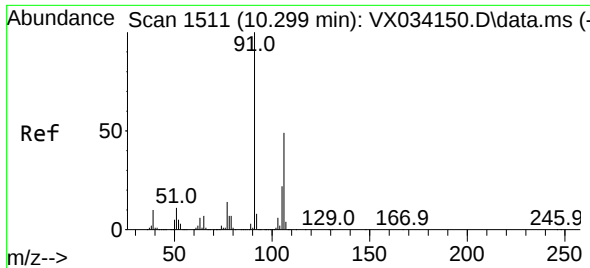
Tgt Ion:117 Resp: 395500
Ion Ratio Lower Upper
117 100
82 55.1 40.6 60.8
119 31.6 25.6 38.4



#67
Ethyl Benzene
Concen: 16.985 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 91 Resp: 251563
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8

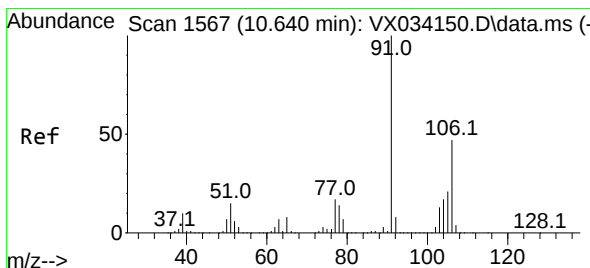
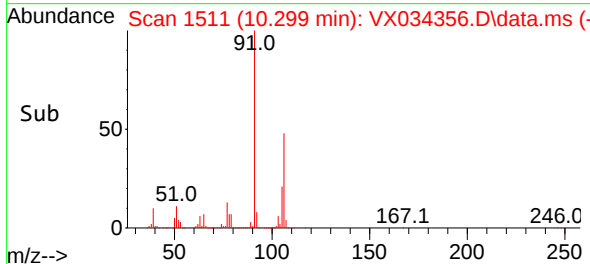
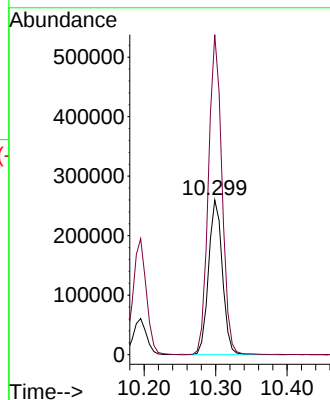
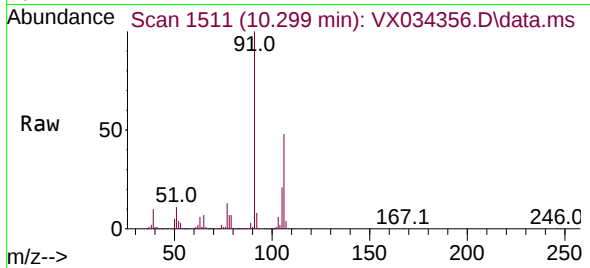




#68
m/p-Xylenes
Concen: 61.449 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

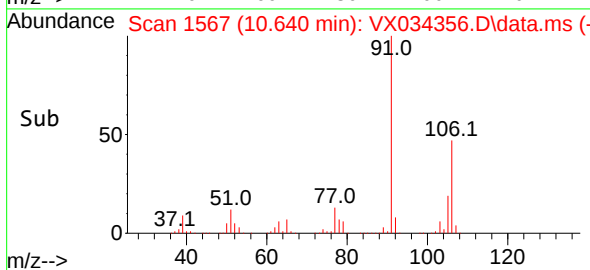
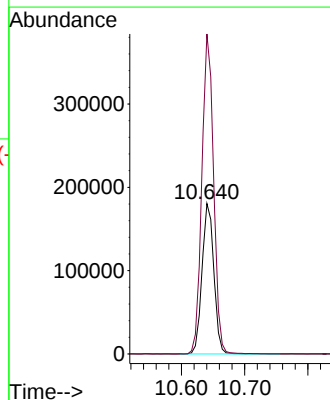
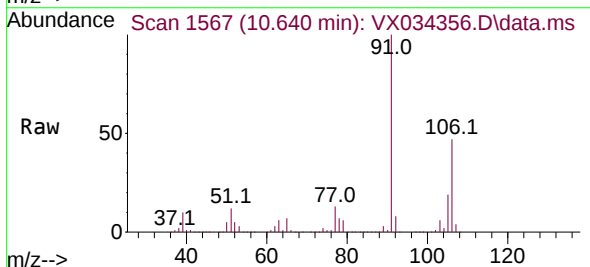
Instrument :
MSVOA_X
ClientSampleId :
2325DL

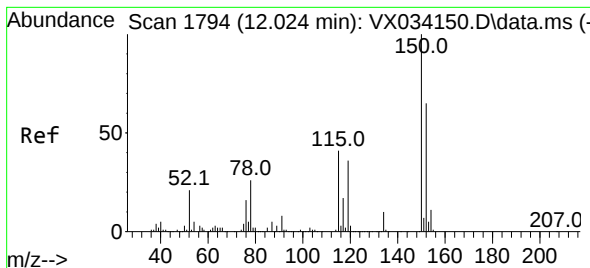
Tgt Ion:106 Resp: 348293
Ion Ratio Lower Upper
106 100
91 202.7 156.4 234.6



#69
o-Xylene
Concen: 41.639 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion:106 Resp: 234958
Ion Ratio Lower Upper
106 100
91 211.7 103.1 309.3

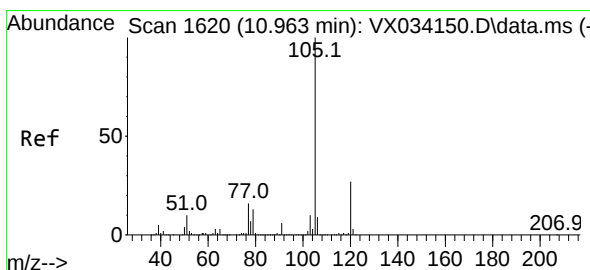
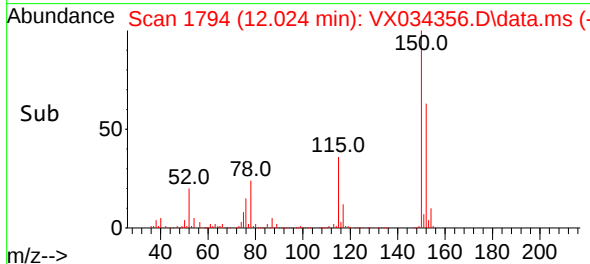
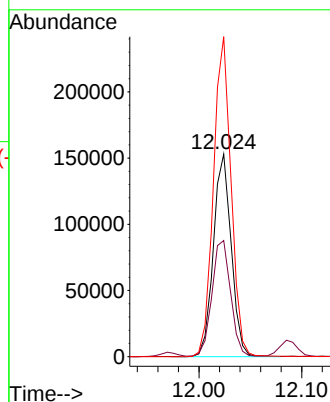
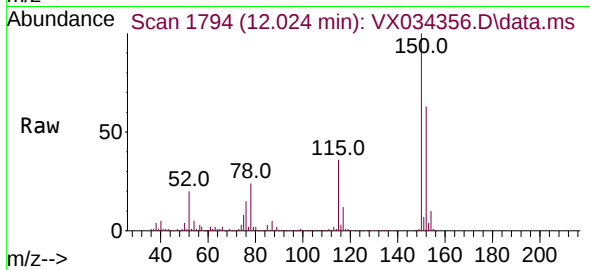




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

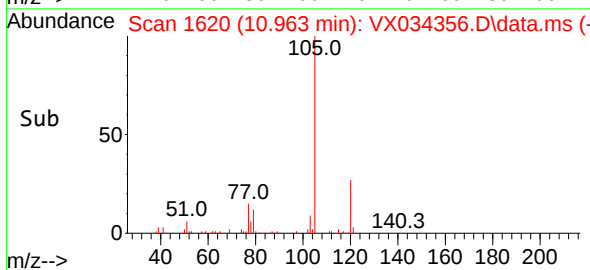
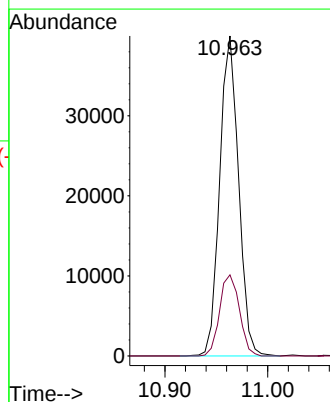
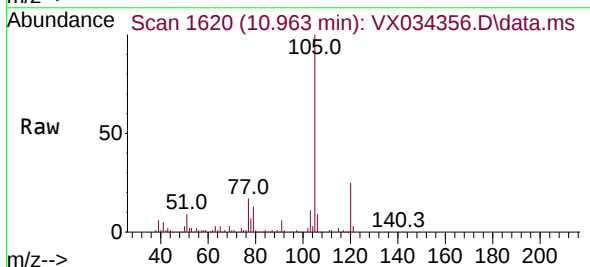
Instrument :
MSVOA_X
ClientSampleId :
2325DL

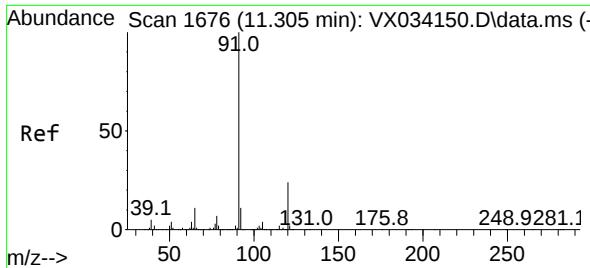
Tgt Ion:152 Resp: 184149
Ion Ratio Lower Upper
152 100
115 60.3 38.7 116.1
150 156.6 0.0 348.2



#73
Isopropylbenzene
Concen: 3.621 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion:105 Resp: 50817
Ion Ratio Lower Upper
105 100
120 26.6 13.6 40.8

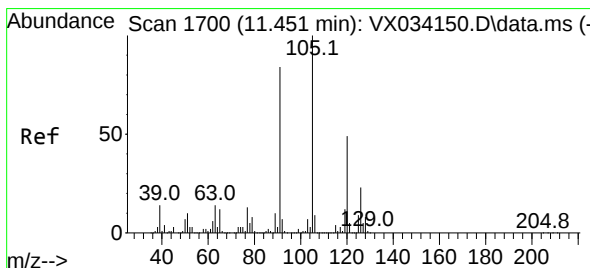
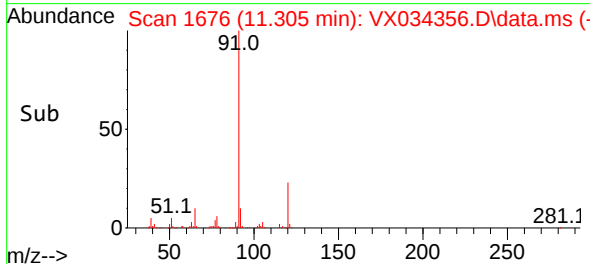
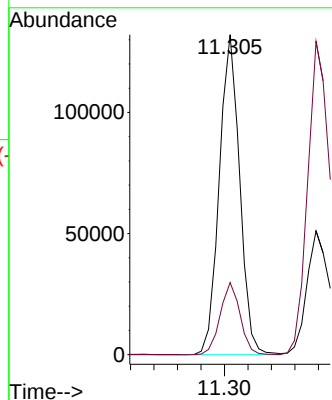
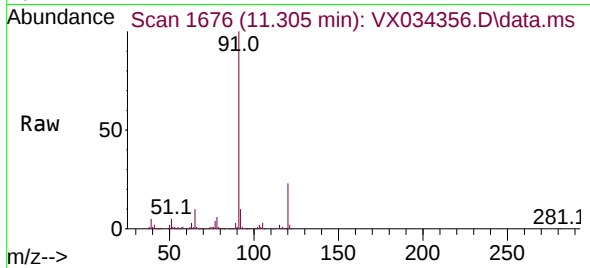




#78
n-propylbenzene
Concen: 9.761 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

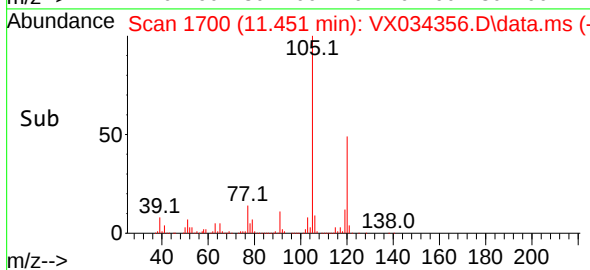
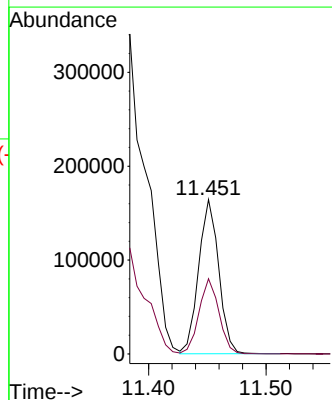
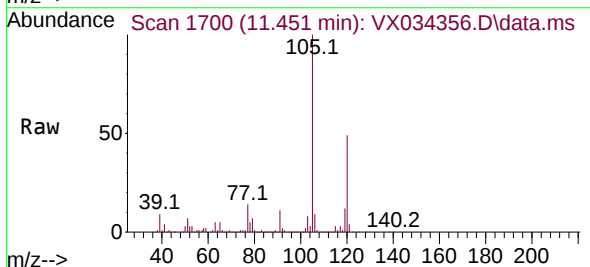
Instrument :
MSVOA_X
ClientSampleId :
2325DL

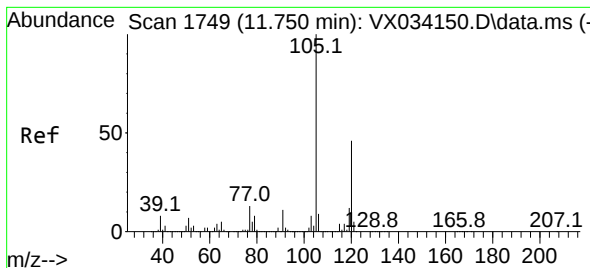
Tgt Ion: 91 Resp: 159320
Ion Ratio Lower Upper
91 100
120 22.1 12.3 36.8



#80
1,3,5-Trimethylbenzene
Concen: 16.563 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX034356.D
Acq: 06 Mar 2023 17:45

Tgt Ion: 105 Resp: 195430
Ion Ratio Lower Upper
105 100
120 48.3 25.6 76.8





#84

1,2,4-Trimethylbenzene

Concen: 72.190 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

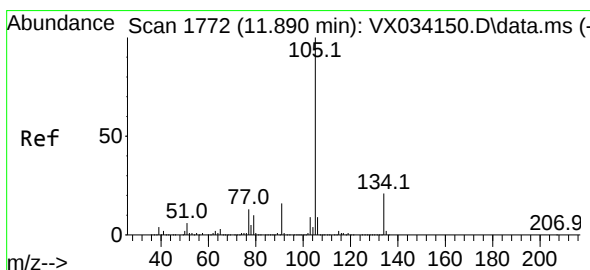
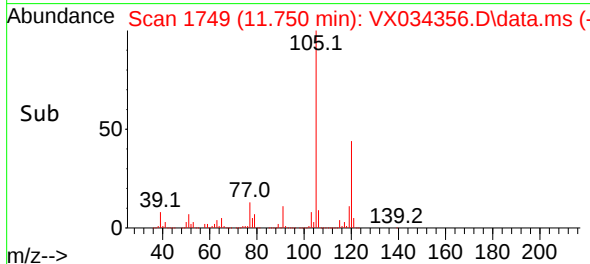
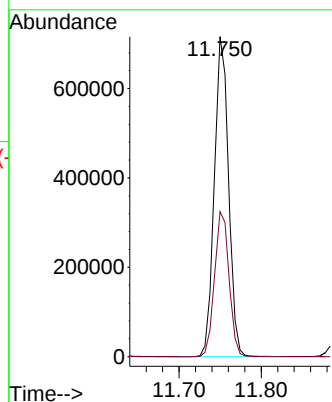
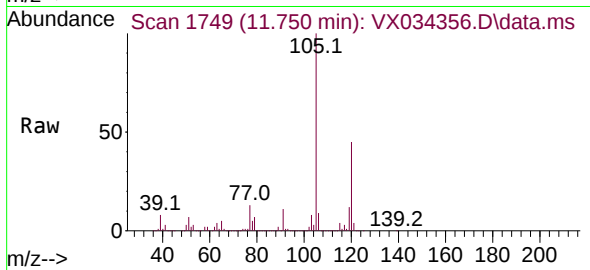
2325DL

Tgt Ion:105 Resp: 861262

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.2



#85

sec-Butylbenzene

Concen: 2.573 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX034356.D

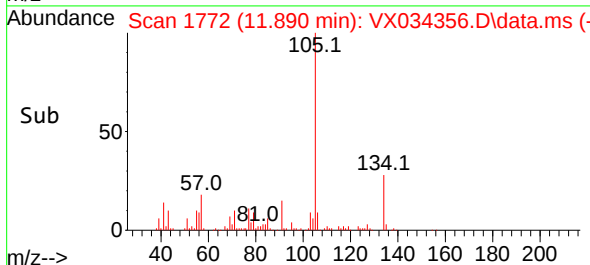
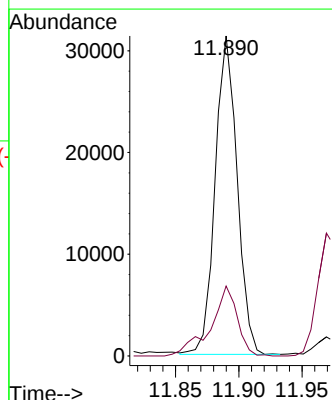
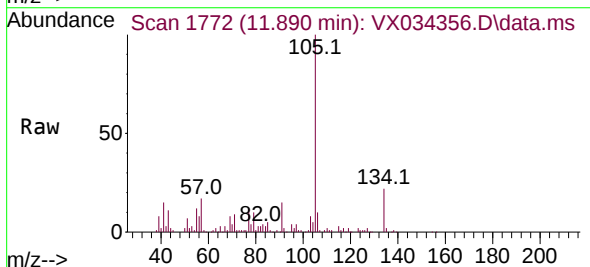
Acq: 06 Mar 2023 17:45

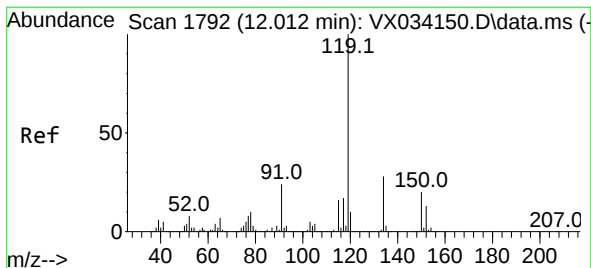
Tgt Ion:105 Resp: 37763

Ion Ratio Lower Upper

105 100

134 26.6 10.8 32.3





#86

p-Isopropyltoluene

Concen: 1.974 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Instrument :

MSVOA_X

ClientSampleId :

2325DL

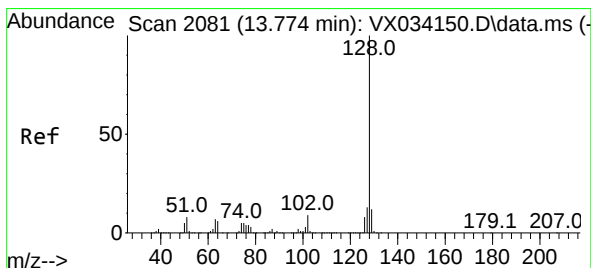
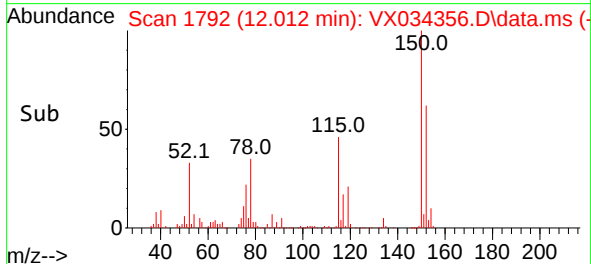
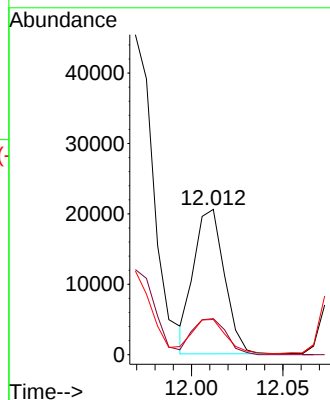
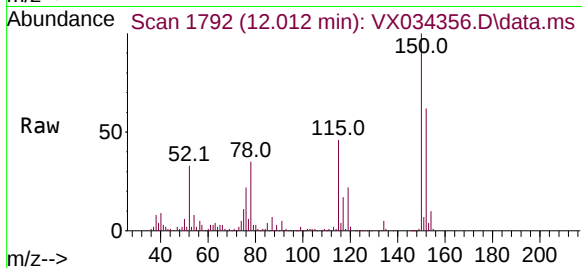
Tgt Ion:119 Resp: 23975

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 27.1 11.0 33.0



#95

Napthalene

Concen: 18.604 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX034356.D

Acq: 06 Mar 2023 17:45

Tgt Ion:128 Resp: 249351

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.6 8.7 13.1

