

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036698.D
 Acq On : 28 Jul 2023 11:40
 Operator : JC/MD
 Sample : 03790-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(JUNE)

Quant Time: Jul 28 16:16:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

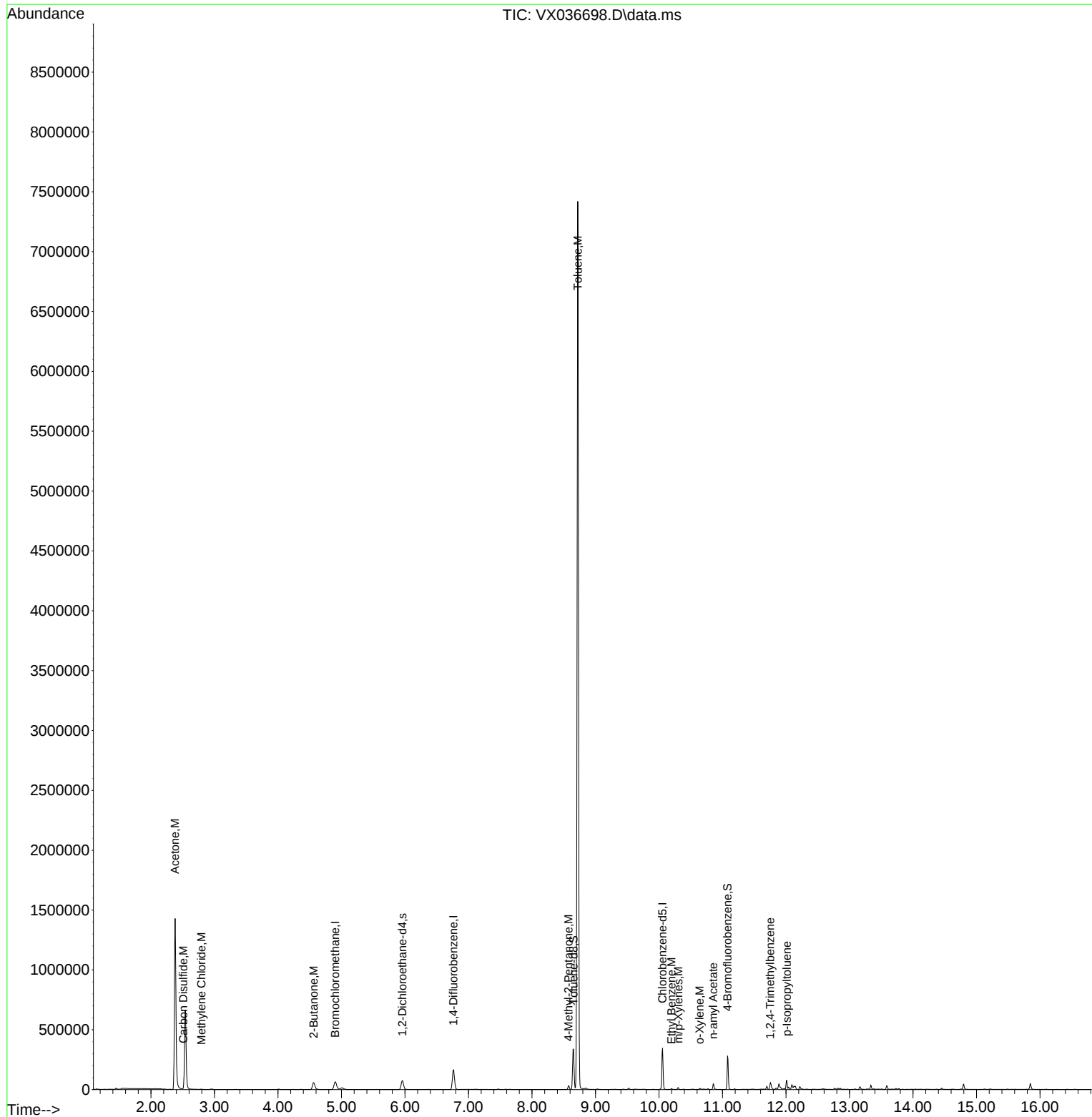
Internal Standards						
1) Bromochloromethane	4.898	128	29459	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	170665	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154038	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	72769	29.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.200%
60) 4-Bromofluorobenzene	11.079	95	74465	29.802	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.333%
63) Toluene-d8	8.653	98	207011	29.205	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.333%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	494990	1539.283	ug/l	90
16) Carbon Disulfide	2.508	76	2969	0.710	ug/l	95
18) Methylene Chloride	2.794	84	1630	0.785	ug/l	86
30) 2-Butanone	4.562	43	100849	62.236	ug/l	99
47) n-amyl Acetate	10.854	43	6394	1.499	ug/l #	1
58) 4-Methyl-2-Pentanone	8.574	43	19361	6.078	ug/l	98
62) Toluene	8.720	91	4646669	537.638	ug/l	93
66) Ethyl Benzene	10.195	91	4390	0.467	ug/l	97
67) m/p-Xylenes	10.305	106	3839	1.048	ug/l	90
68) o-Xylene	10.640	106	1654	0.455	ug/l	92
80) 1,2,4-Trimethylbenzene	11.750	105	13439	1.744	ug/l	44
82) p-Isopropyltoluene	12.012	119	33702	4.359	ug/l	100

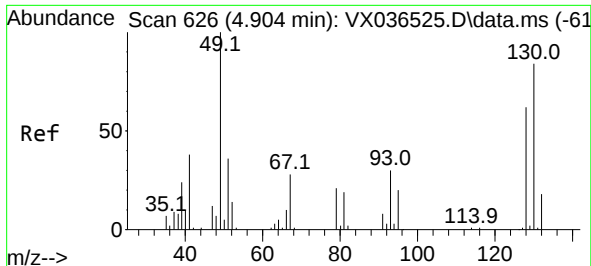
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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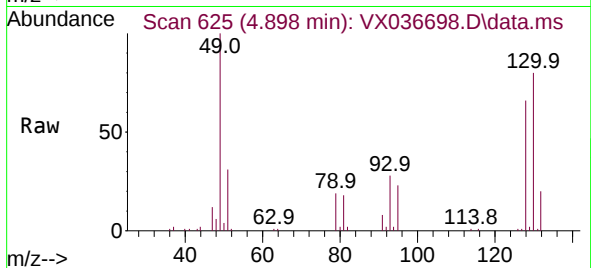
Quant Time: Jul 28 16:16:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 14 04:32:22 2023
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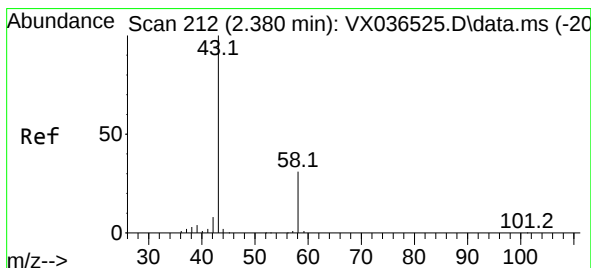
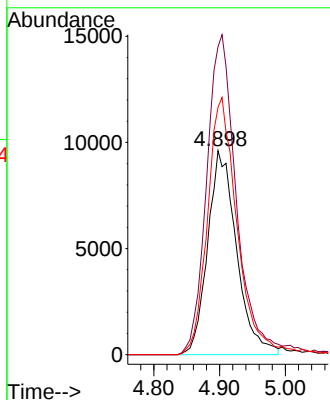
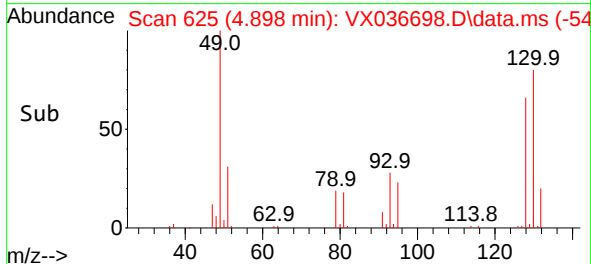


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JUNE)

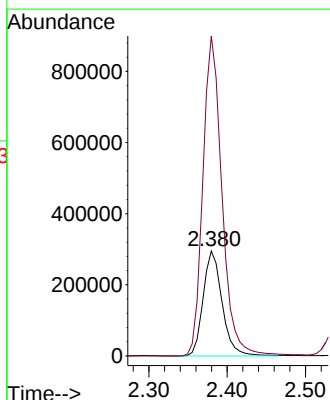
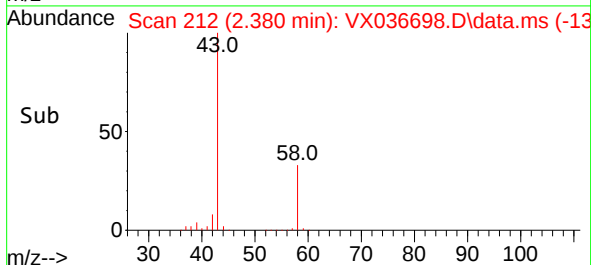
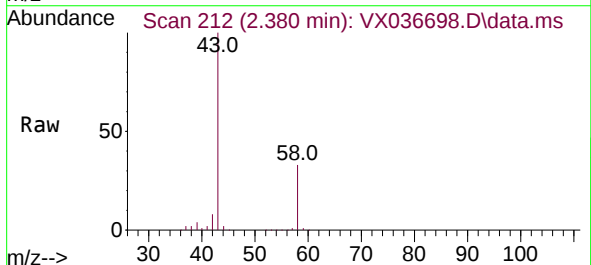


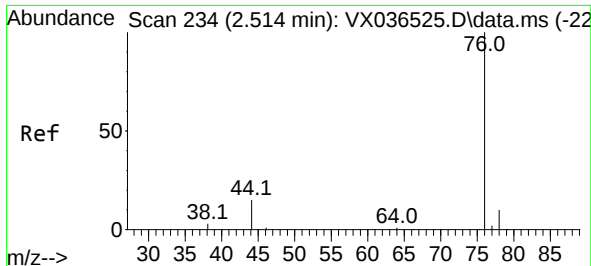
Tgt Ion:128 Resp: 29459
Ion Ratio Lower Upper
128 100
49 160.2 0.0 406.3
130 128.0 0.0 328.0



#15
Acetone
Concen: 1539.283 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 58 Resp: 494990
Ion Ratio Lower Upper
58 100
43 304.8 261.0 391.4

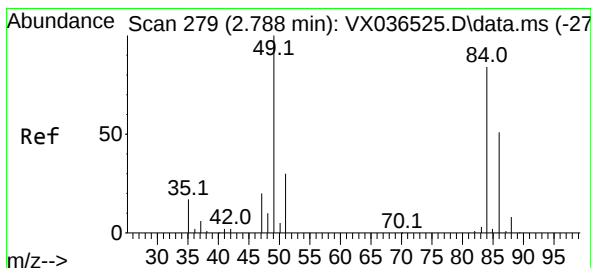
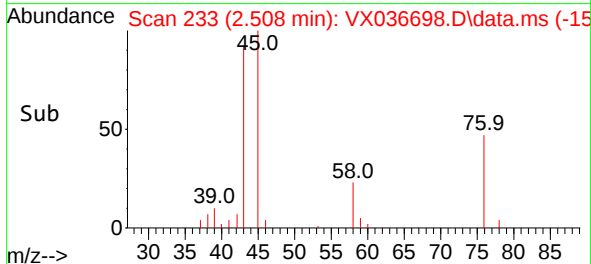
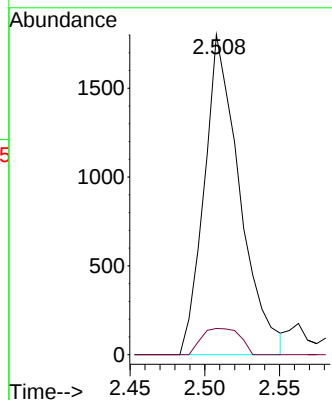
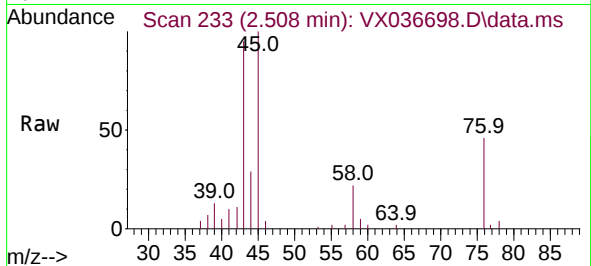




#16
Carbon Disulfide
Concen: 0.710 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

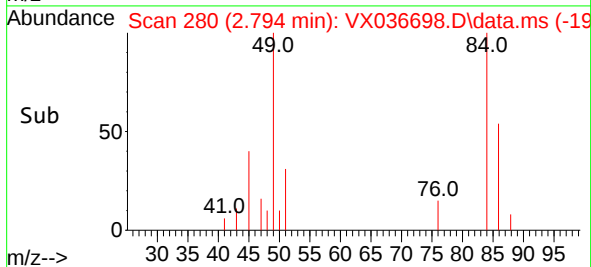
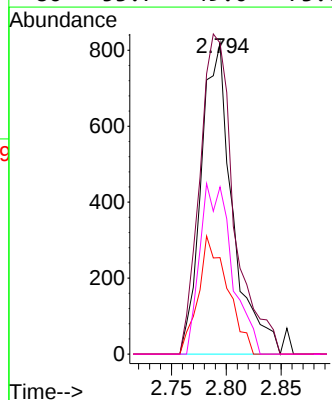
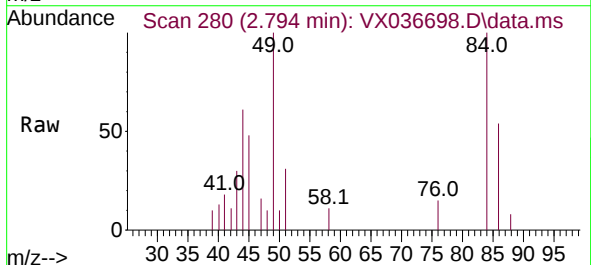
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JUNE)

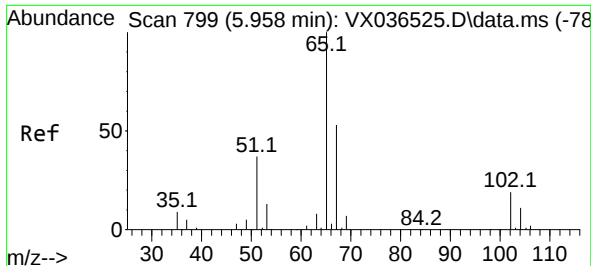
Tgt Ion: 76 Resp: 2969
Ion Ratio Lower Upper
76 100
78 8.2 8.0 12.0



#18
Methylene Chloride
Concen: 0.785 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 84 Resp: 1630
Ion Ratio Lower Upper
84 100
49 100.0 95.4 143.0
51 31.0 28.3 42.5
86 53.7 49.0 73.6





#27

1,2-Dichloroethane-d4

Concen: 29.762 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036698.D

Acq: 28 Jul 2023 11:40

Instrument :

MSVOA_X

ClientSampleId :

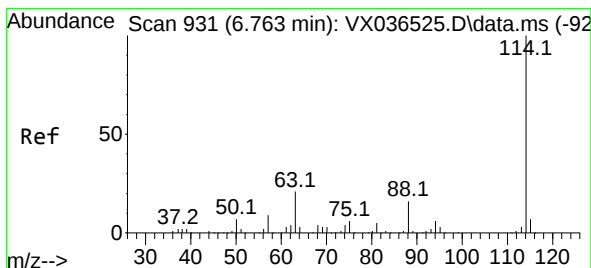
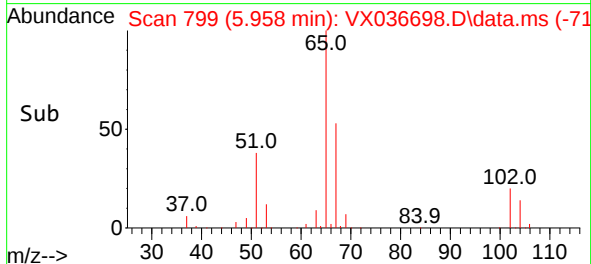
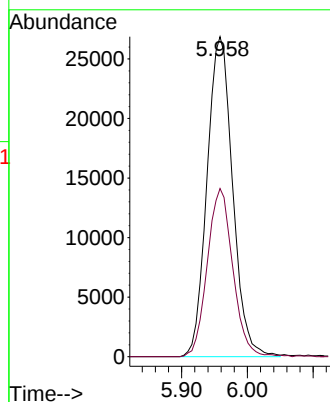
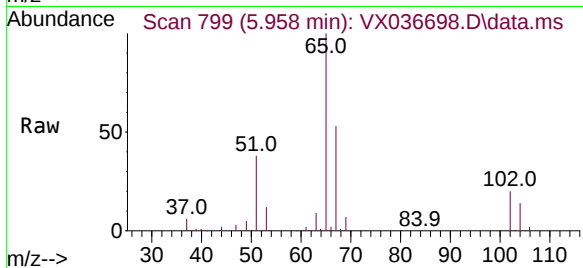
002-35TH-AVE-(JUNE)

Tgt Ion: 65 Resp: 72769

Ion Ratio Lower Upper

65 100

67 52.0 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036698.D

Acq: 28 Jul 2023 11:40

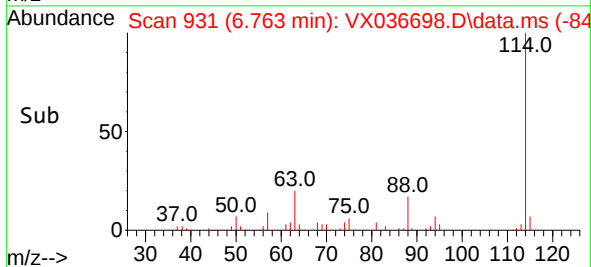
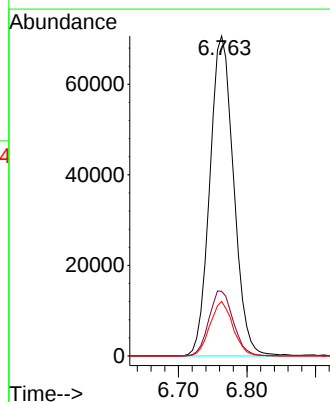
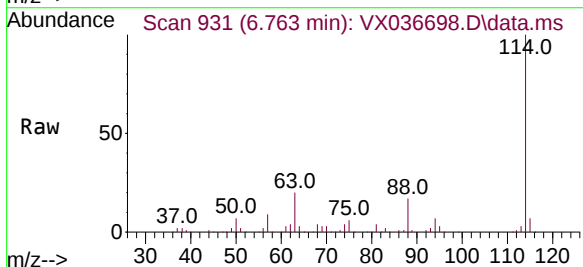
Tgt Ion: 114 Resp: 170665

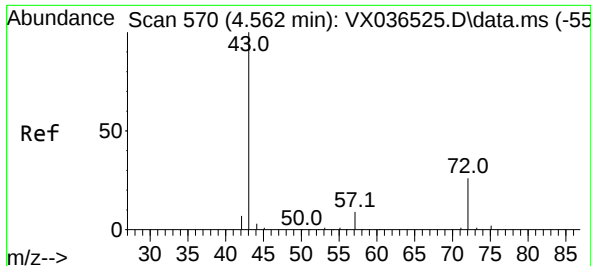
Ion Ratio Lower Upper

114 100

63 20.7 16.6 24.8

88 16.5 12.9 19.3

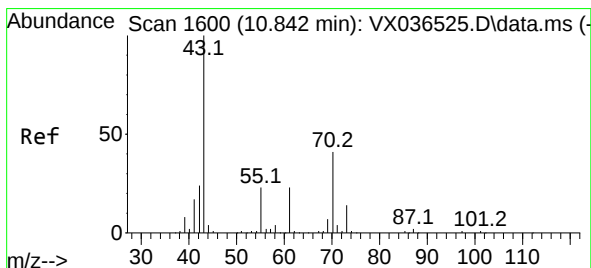
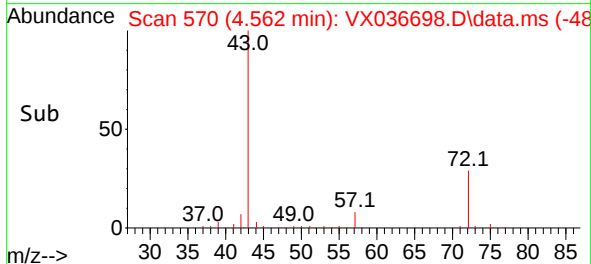
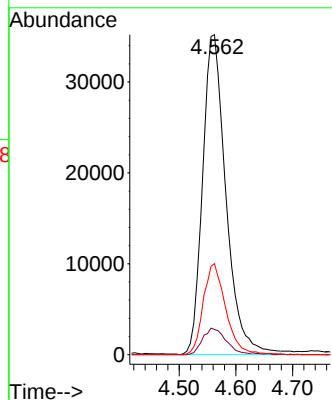
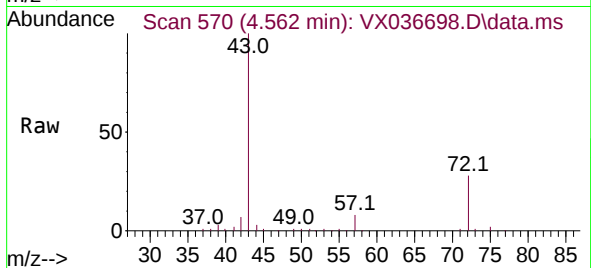




#30
2-Butanone
Concen: 62.236 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

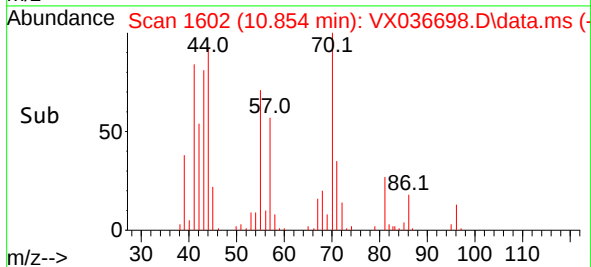
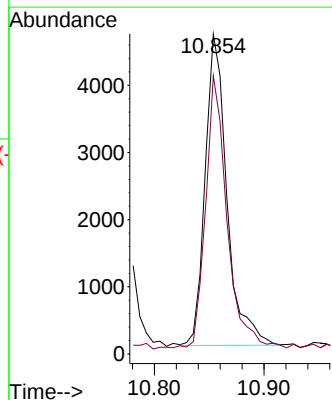
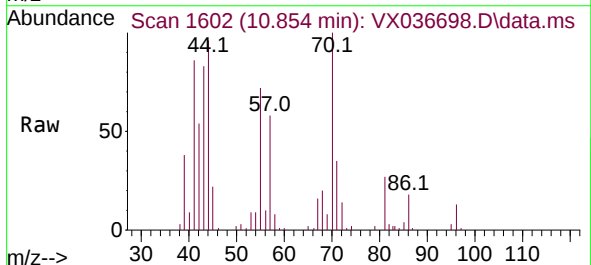
Instrument :
MSVOA_X
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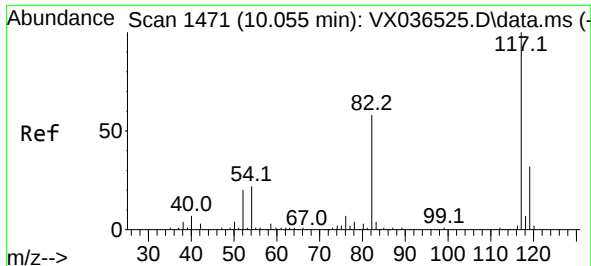
Tgt Ion: 43 Resp: 100849
Ion Ratio Lower Upper
43 100
57 8.3 6.4 9.6
72 27.4 21.6 32.4



#47
n-amy1 Acetate
Concen: 1.499 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 43 Resp: 6394
Ion Ratio Lower Upper
43 100
55 85.7 18.6 28.0#

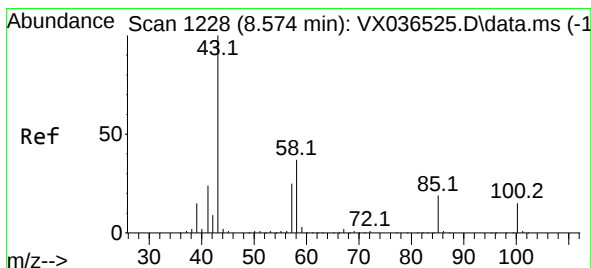
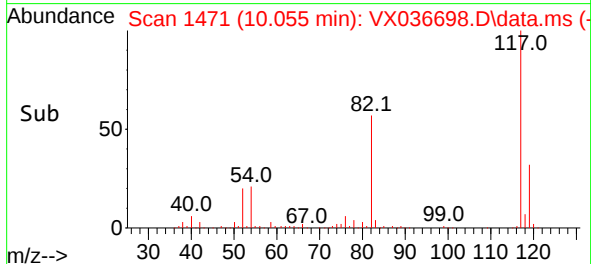
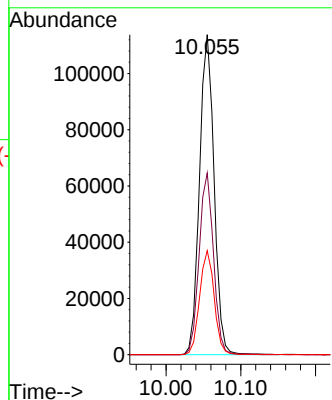
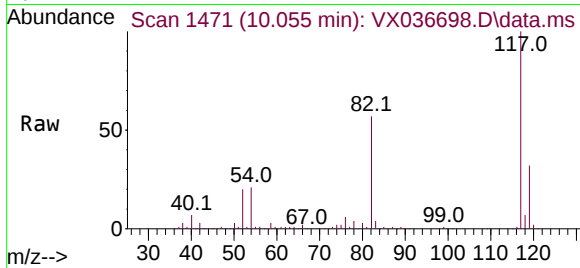




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

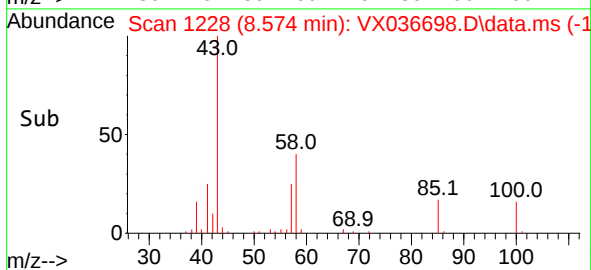
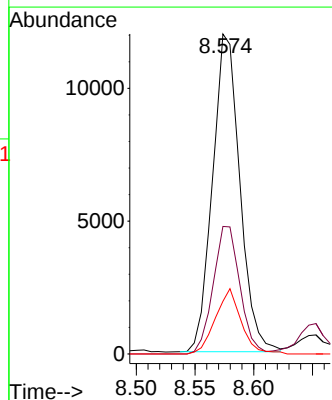
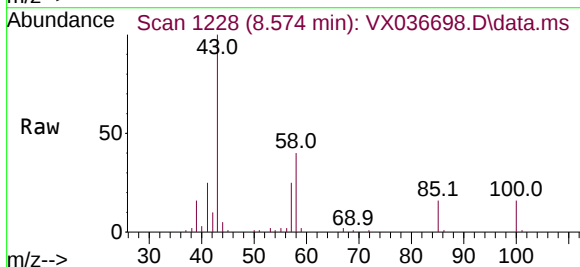
Instrument :
MSVOA_X
ClientSampleId :
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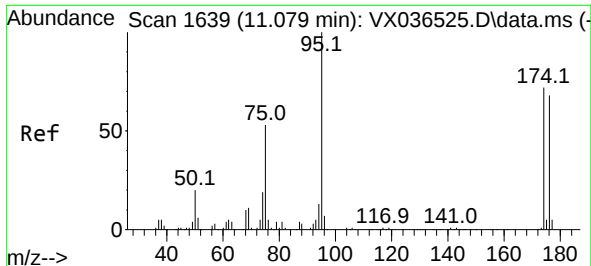
Tgt Ion:117 Resp: 154038
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.5 25.6 38.4



#58
4-Methyl-2-Pentanone
Concen: 6.078 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 43 Resp: 19361
Ion Ratio Lower Upper
43 100
58 39.3 30.9 46.3
85 19.4 14.4 21.6

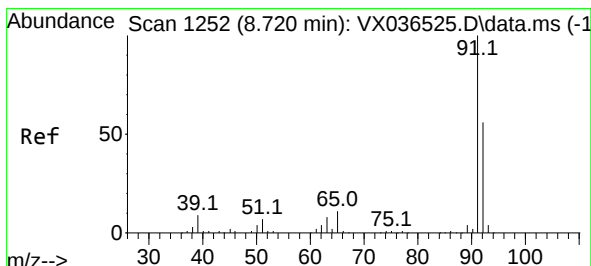
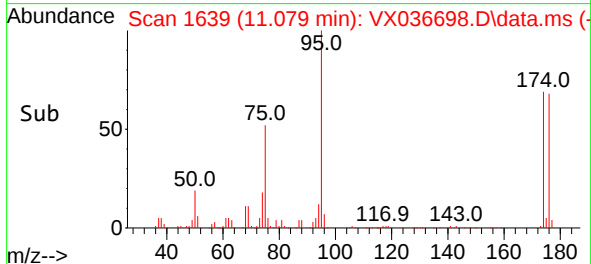
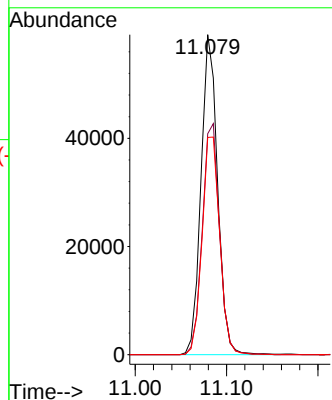
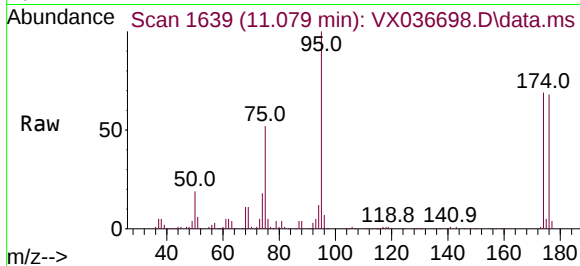




#60
4-Bromofluorobenzene
Concen: 29.802 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

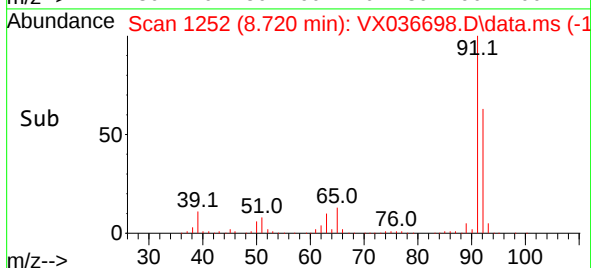
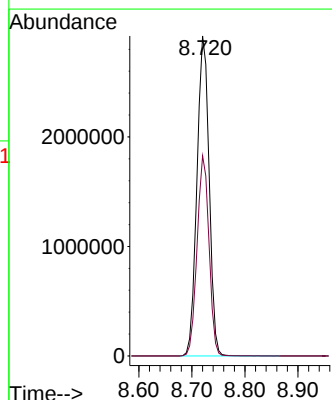
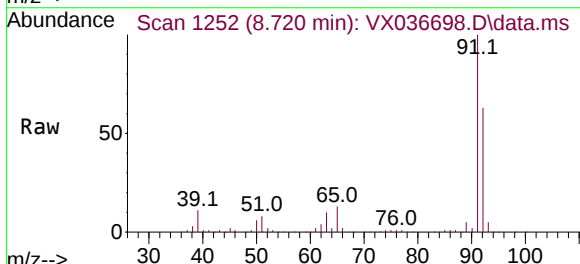
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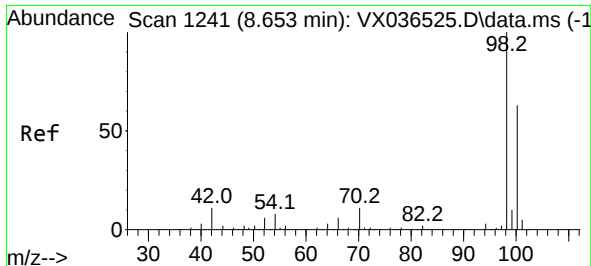
Tgt Ion: 95 Resp: 74465
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 72.5 58.2 87.4



#62
Toluene
Concen: 537.638 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 91 Resp: 4646669
Ion Ratio Lower Upper
91 100
92 61.2 44.9 67.3

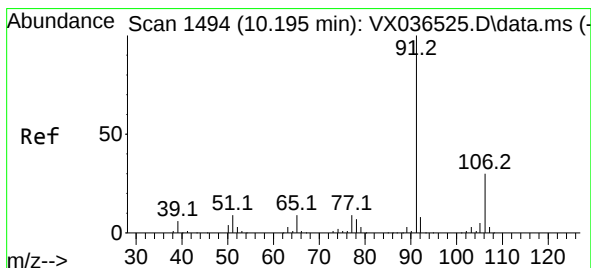
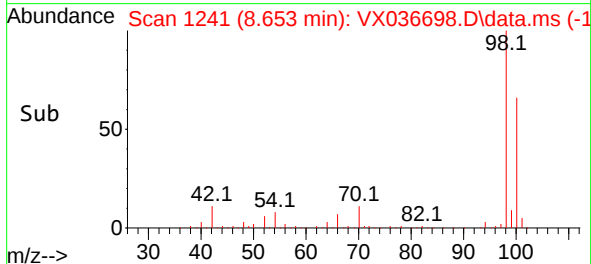
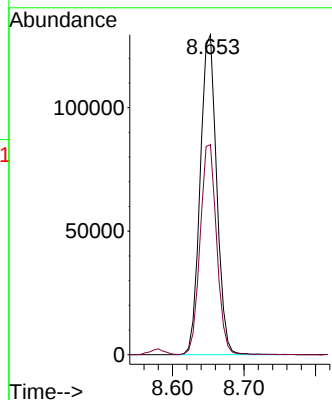
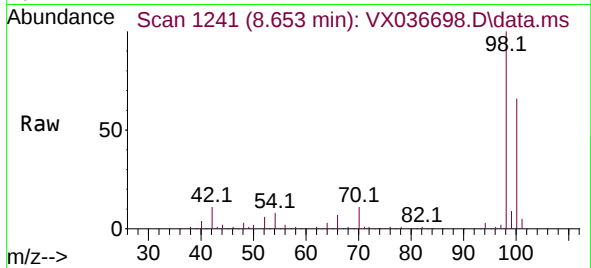




#63
Toluene-d8
Concen: 29.205 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

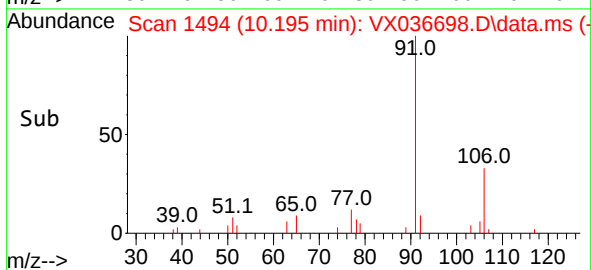
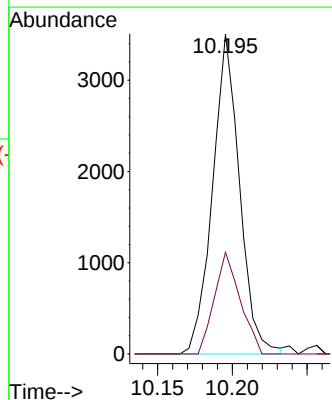
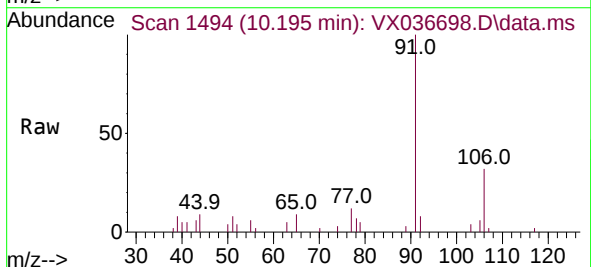
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(JUNE)

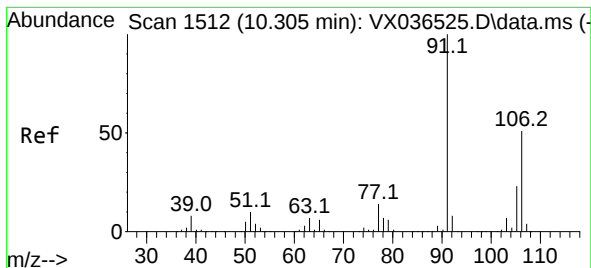
Tgt Ion: 98 Resp: 207011
Ion Ratio Lower Upper
98 100
100 65.6 51.6 77.4



#66
Ethyl Benzene
Concen: 0.467 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX036698.D
Acq: 28 Jul 2023 11:40

Tgt Ion: 91 Resp: 4390
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4





#67

m/p-Xylenes

Concen: 1.048 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX036698.D

Acq: 28 Jul 2023 11:40

Instrument :

MSVOA_X

ClientSampleId :

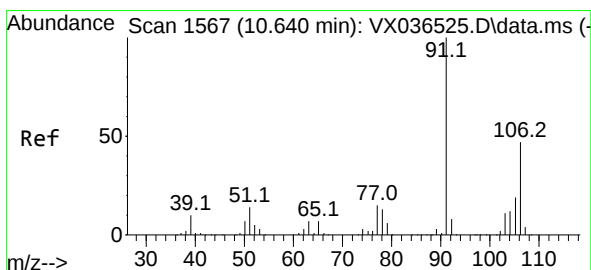
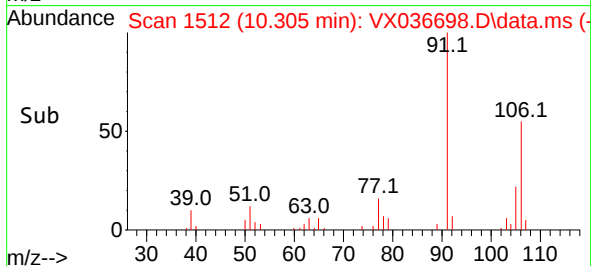
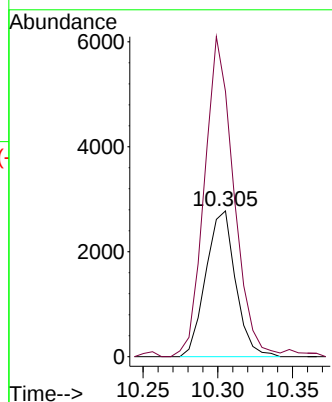
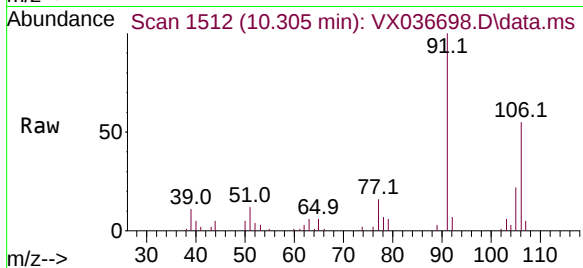
002-35TH-AVE-(JUNE)

Tgt Ion:106 Resp: 3839

Ion Ratio Lower Upper

106 100

91 216.0 160.5 240.7



#68

o-Xylene

Concen: 0.455 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX036698.D

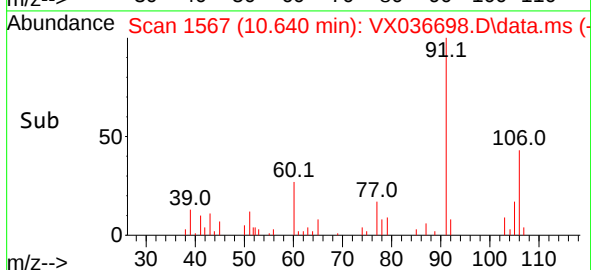
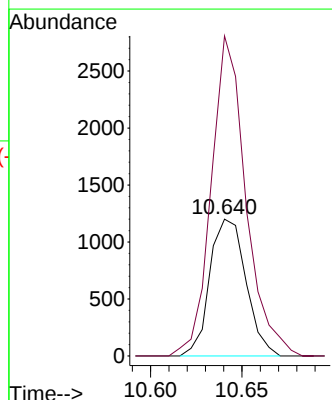
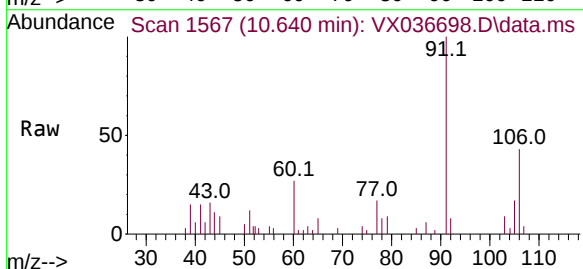
Acq: 28 Jul 2023 11:40

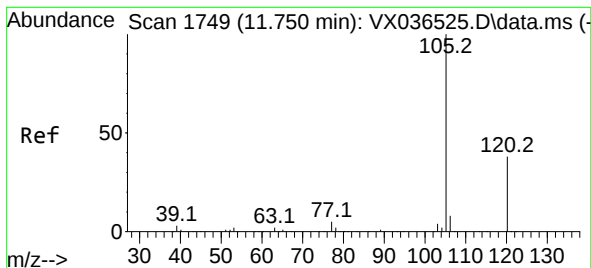
Tgt Ion:106 Resp: 1654

Ion Ratio Lower Upper

106 100

91 223.9 105.4 316.1





#80

1,2,4-Trimethylbenzene

Concen: 1.744 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX036698.D

Acq: 28 Jul 2023 11:40

Instrument :

MSVOA_X

ClientSampleId :

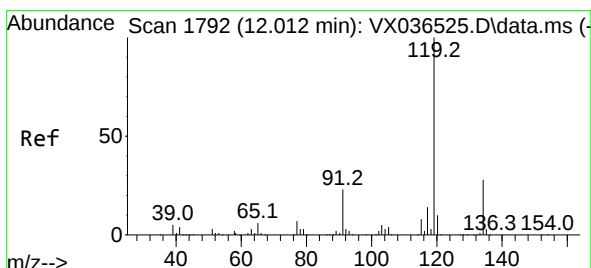
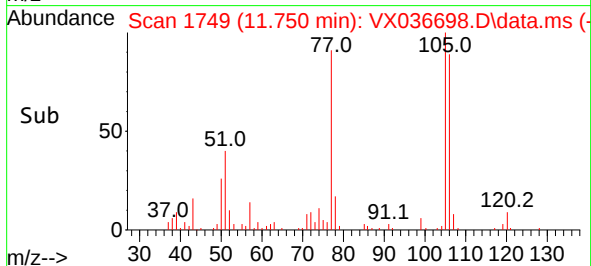
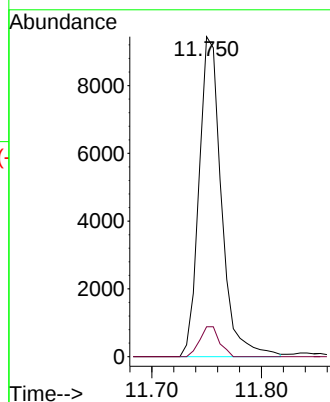
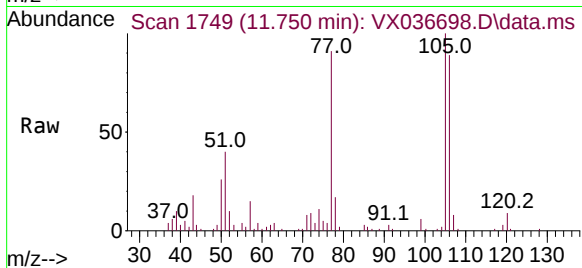
002-35TH-AVE-(JUNE)

Tgt Ion:105 Resp: 13439

Ion Ratio Lower Upper

105 100

120 8.2 0.0 90.2



#82

p-Isopropyltoluene

Concen: 4.359 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX036698.D

Acq: 28 Jul 2023 11:40

Tgt Ion:119 Resp: 33702

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

91 24.8 0.0 49.4

