

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
 Data File : VX036056.D
 Acq On : 07 Jun 2023 13:29
 Operator : JC/MD
 Sample : 03033-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 07 14:28:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

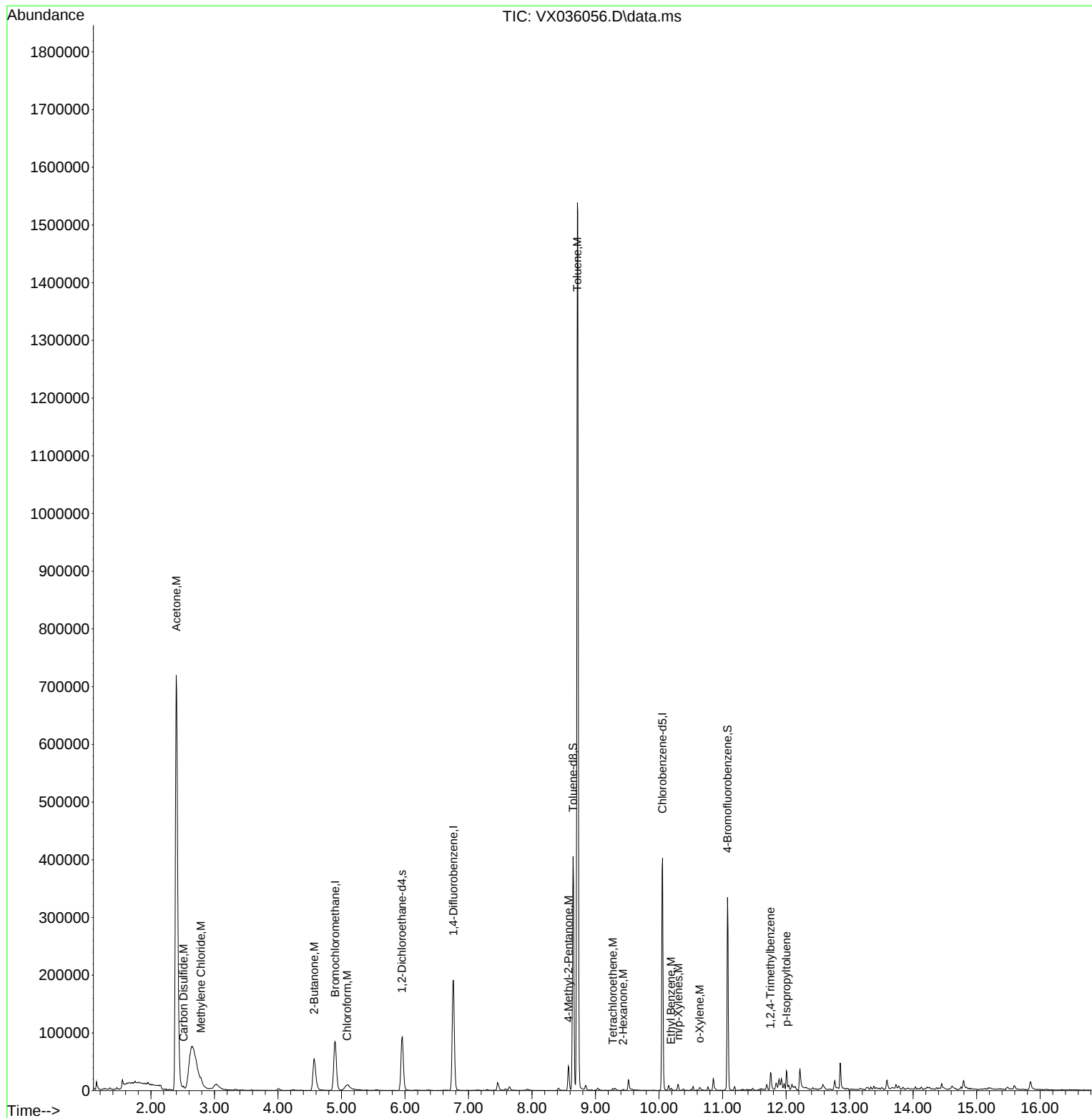
Internal Standards						
1) Bromochloromethane	4.897	128	35723	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	185594	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	178438	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	93439	31.480	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.933%
60) 4-Bromofluorobenzene	11.079	95	91929	30.703	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.333%
63) Toluene-d8	8.647	98	231388	29.333	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.767%
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	333646	879.389	ug/l	92
16) Carbon Disulfide	2.514	76	3780	0.973	ug/l	98
18) Methylene Chloride	2.788	84	2254	0.967	ug/l #	92
25) Chloroform	5.086	83	3475	0.828	ug/l	100
30) 2-Butanone	4.568	43	112699	66.614	ug/l	100
58) 4-Methyl-2-Pentanone	8.573	43	25395	7.327	ug/l	98
59) 2-Hexanone	9.433	43	1104	0.423	ug/l	97
61) Tetrachloroethene	9.275	164	430	0.250	ug/l #	80
62) Toluene	8.714	91	978831	106.520	ug/l	98
66) Ethyl Benzene	10.189	91	2178	0.212	ug/l	92
67) m/p-Xylenes	10.305	106	2631	0.676	ug/l	100
68) o-Xylene	10.640	106	925	0.238	ug/l	80
80) 1,2,4-Trimethylbenzene	11.756	105	5262	0.621	ug/l	55
82) p-Isopropyltoluene	12.006	119	13758	1.609	ug/l	97

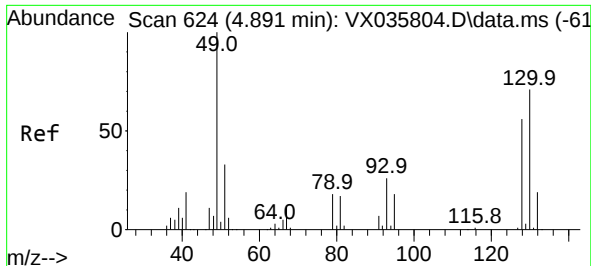
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060723\
Data File : VX036056.D
Acq On : 07 Jun 2023 13:29
Operator : JC/MD
Sample : 03033-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jun 07 14:28:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 23 11:36:37 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.897 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

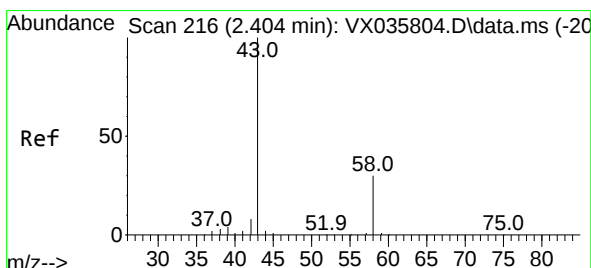
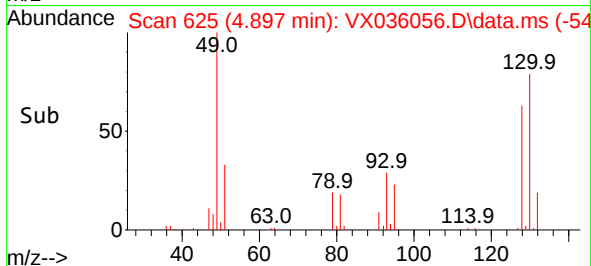
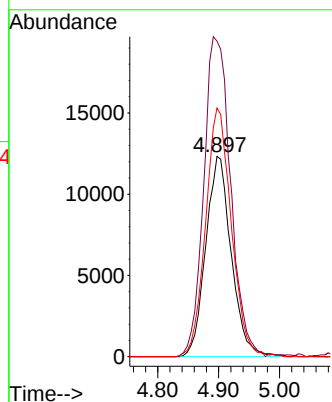
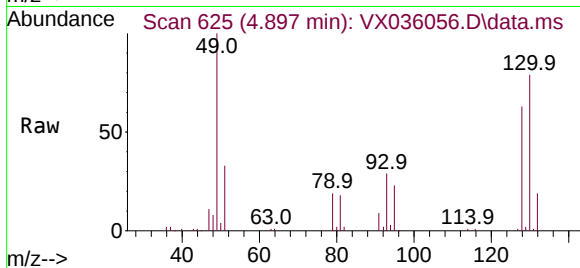
Tgt Ion:128 Resp: 35723

Ion Ratio Lower Upper

128 100

49 169.4 0.0 428.8

130 125.2 0.0 310.8



#15

Acetone

Concen: 879.389 ug/l

RT: 2.398 min Scan# 215

Delta R.T. -0.006 min

Lab File: VX036056.D

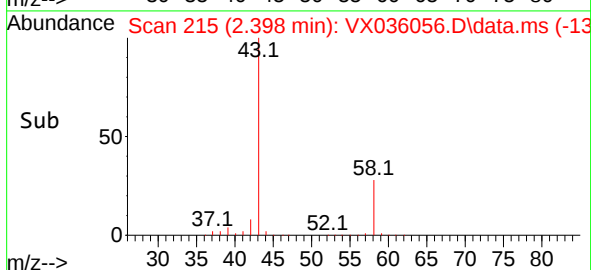
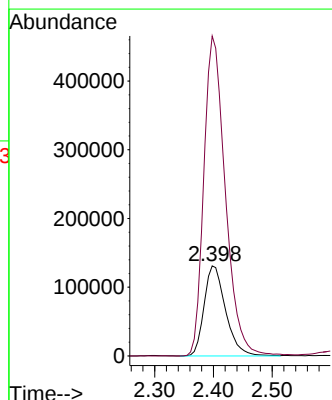
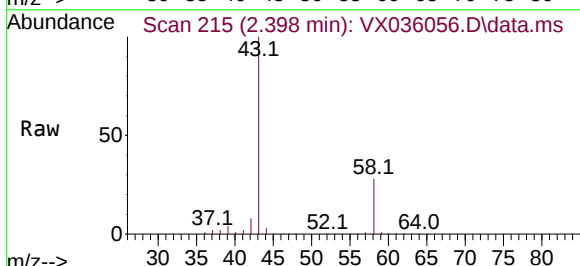
Acq: 07 Jun 2023 13:29

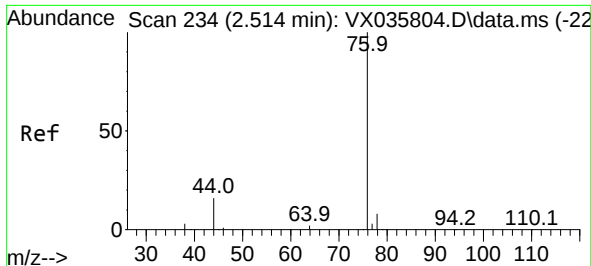
Tgt Ion: 58 Resp: 333646

Ion Ratio Lower Upper

58 100

43 355.3 270.8 406.2

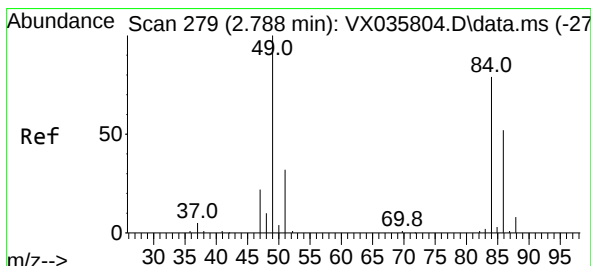
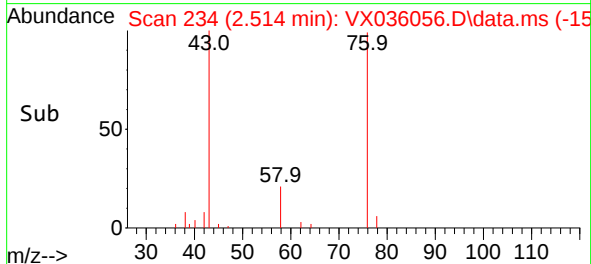
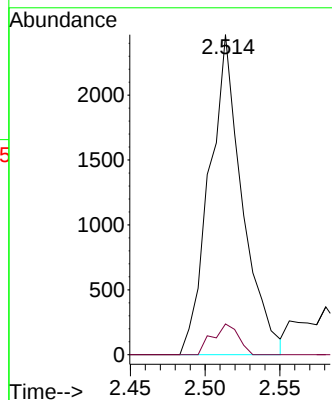
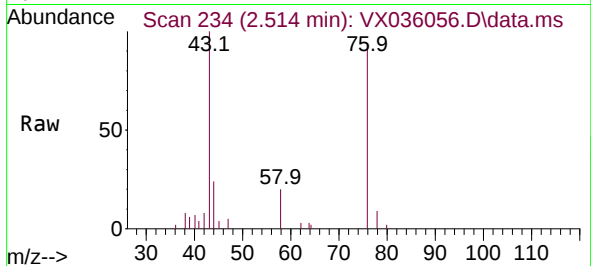




#16
Carbon Disulfide
Concen: 0.973 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

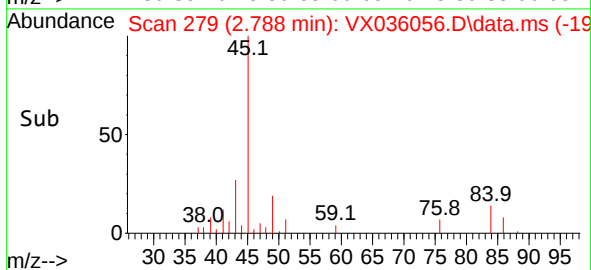
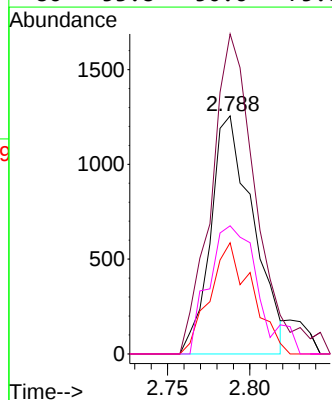
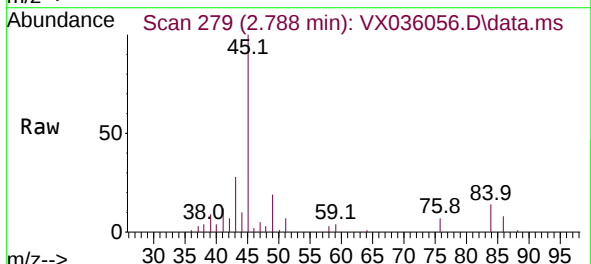
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

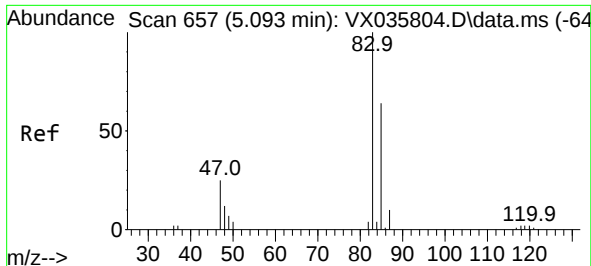
Tgt Ion: 76 Resp: 3780
Ion Ratio Lower Upper
76 100
78 9.6 7.0 10.6



#18
Methylene Chloride
Concen: 0.967 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion: 84 Resp: 2254
Ion Ratio Lower Upper
84 100
49 134.4 103.9 155.9
51 46.7 30.6 45.8#
86 53.8 50.6 75.8

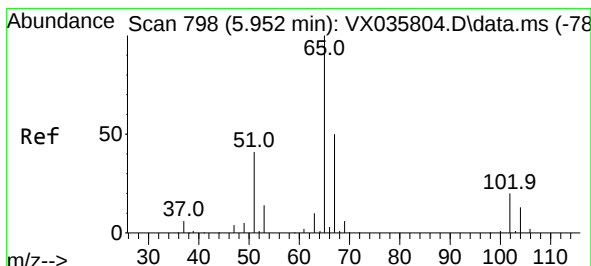
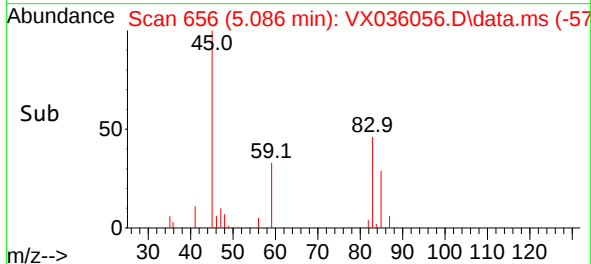
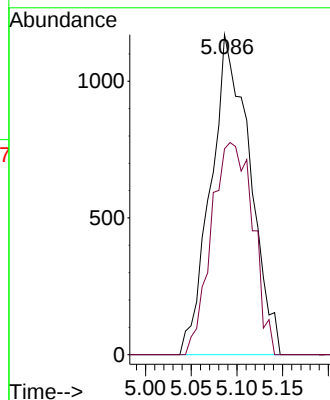
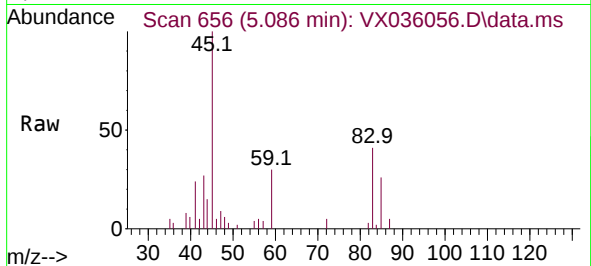




#25
Chloroform
Concen: 0.828 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

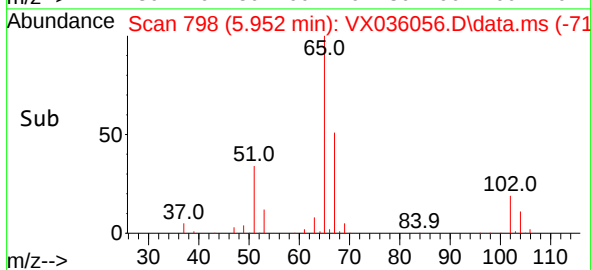
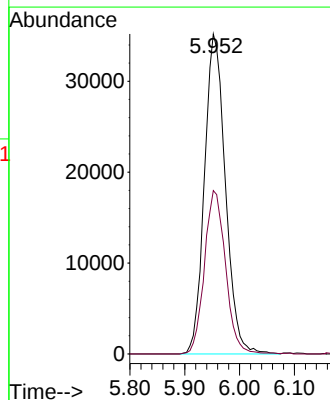
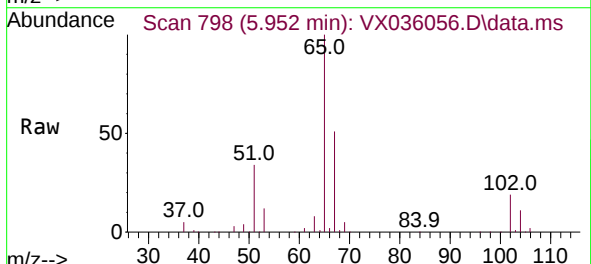
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

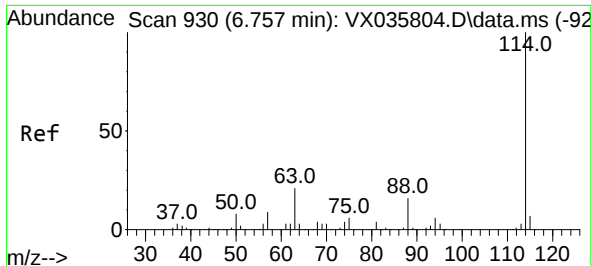
Tgt Ion: 83 Resp: 3475
Ion Ratio Lower Upper
83 100
85 64.4 51.2 76.8



#27
1,2-Dichloroethane-d4
Concen: 31.480 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion: 65 Resp: 93439
Ion Ratio Lower Upper
65 100
67 51.3 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

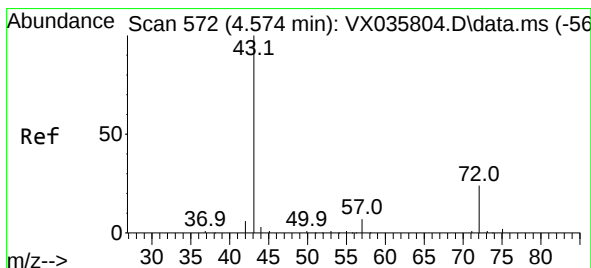
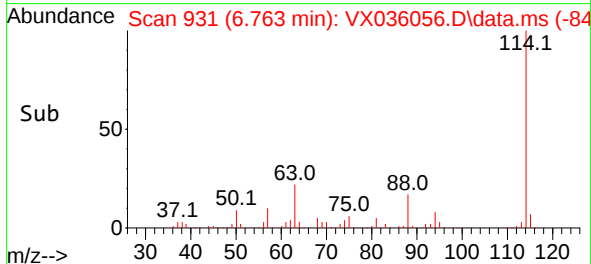
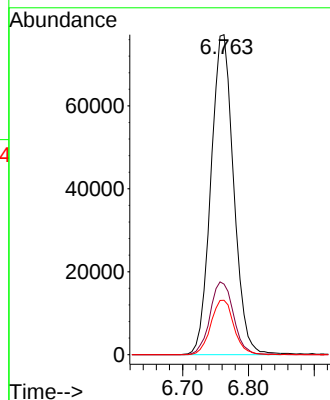
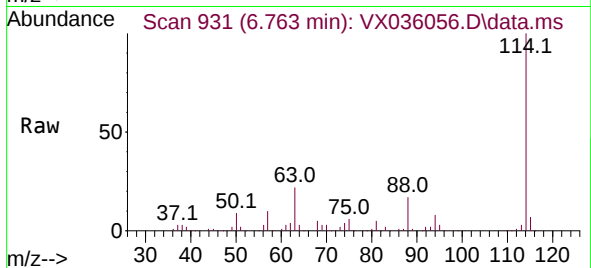
Tgt Ion:114 Resp: 185594

Ion Ratio Lower Upper

114 100

63 23.4 18.0 27.0

88 17.3 13.3 19.9



#30

2-Butanone

Concen: 66.614 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.006 min

Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

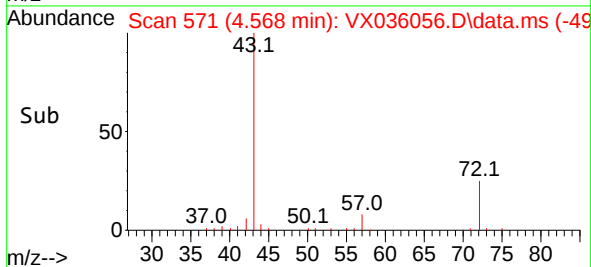
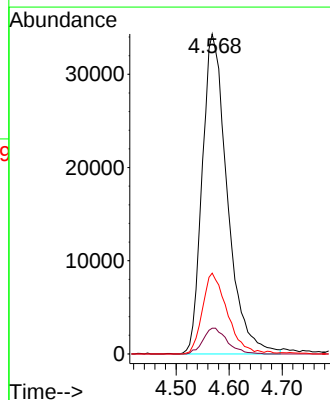
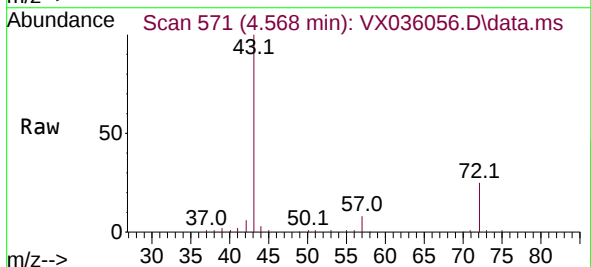
Tgt Ion: 43 Resp: 112699

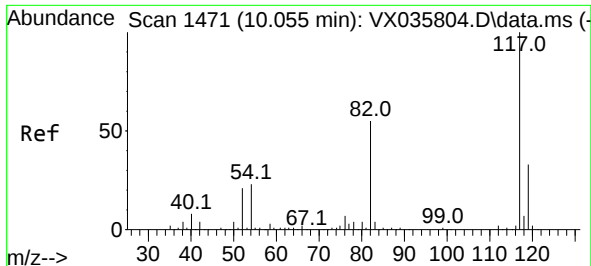
Ion Ratio Lower Upper

43 100

57 7.8 6.3 9.5

72 24.6 19.6 29.4

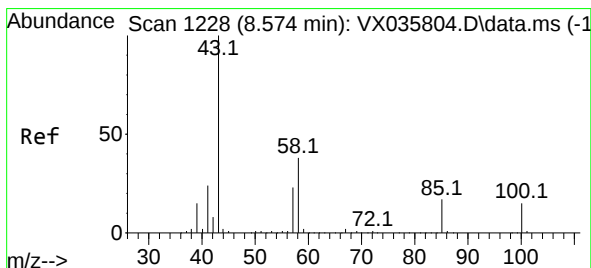
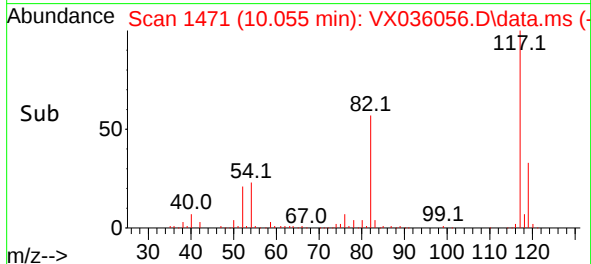
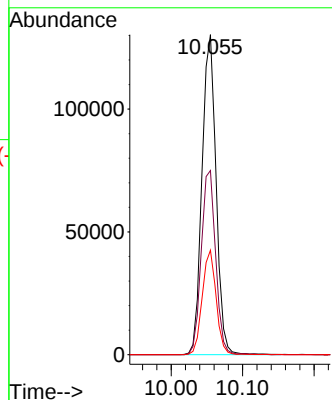
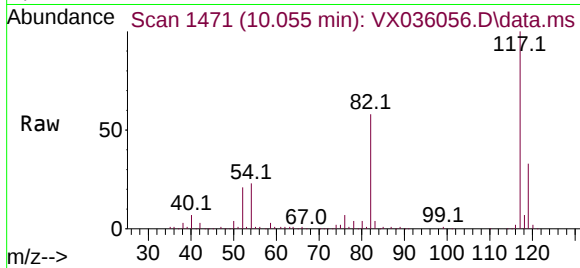




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

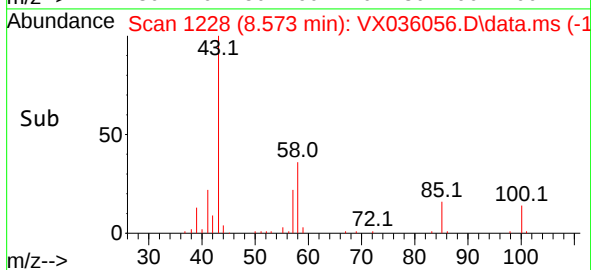
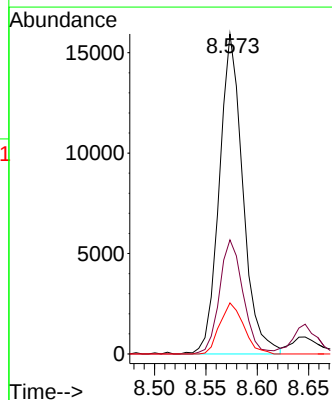
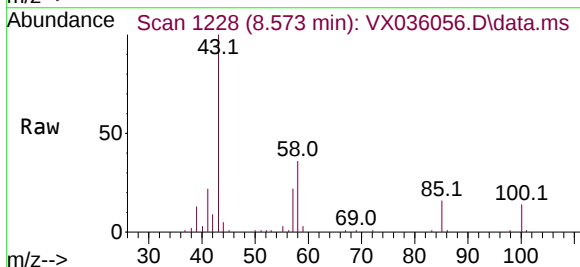
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

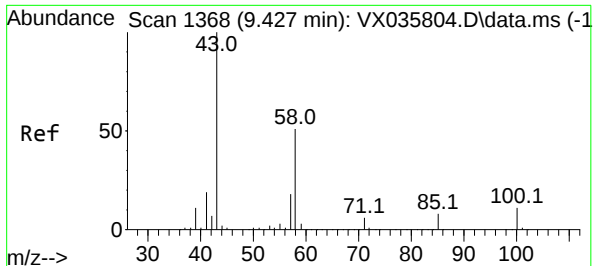
Tgt Ion:117 Resp: 178438
Ion Ratio Lower Upper
117 100
82 58.6 45.8 68.8
119 32.0 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 7.327 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion: 43 Resp: 25395
Ion Ratio Lower Upper
43 100
58 35.7 29.9 44.9
85 16.2 13.2 19.8





#59

2-Hexanone

Concen: 0.423 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

Instrument :

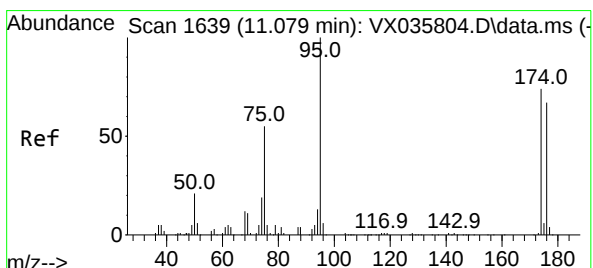
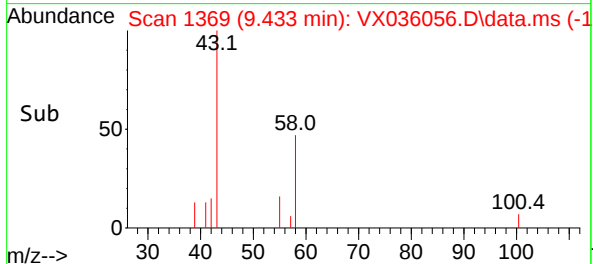
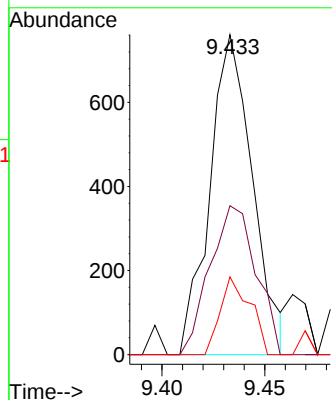
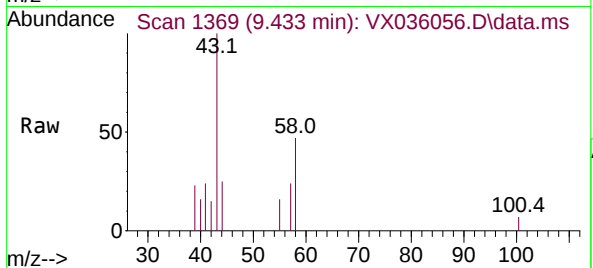
MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

Tgt Ion: 43 Resp: 1104

Ion	Ratio	Lower	Upper
43	100		
58	50.2	41.7	62.5
57	16.9	14.7	22.1



#60

4-Bromofluorobenzene

Concen: 30.703 ug/l

RT: 11.079 min Scan# 1639

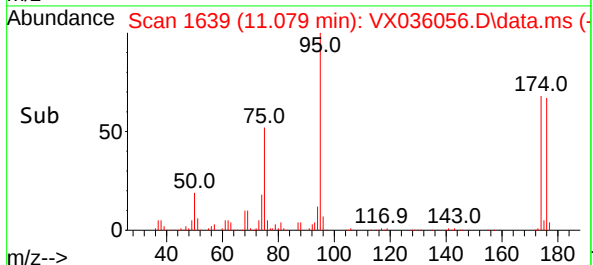
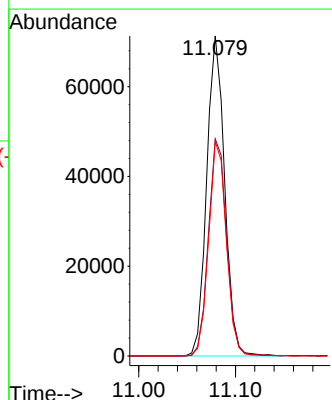
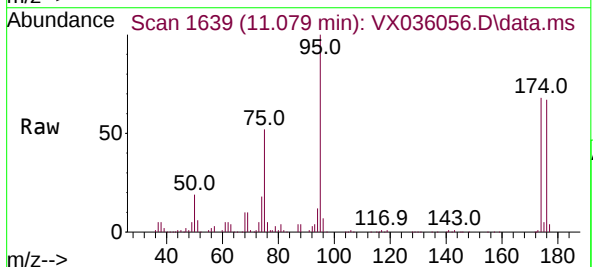
Delta R.T. -0.000 min

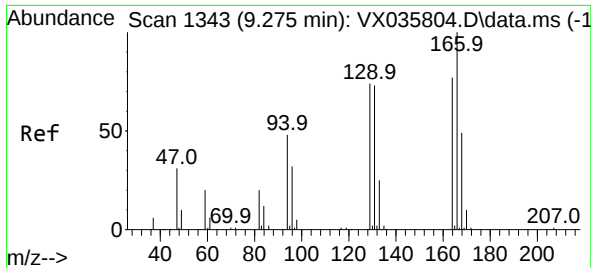
Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

Tgt Ion: 95 Resp: 91929

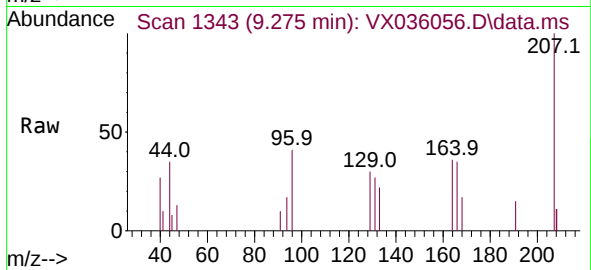
Ion	Ratio	Lower	Upper
95	100		
174	68.9	0.2	0.4#
176	65.9	0.2	0.2#



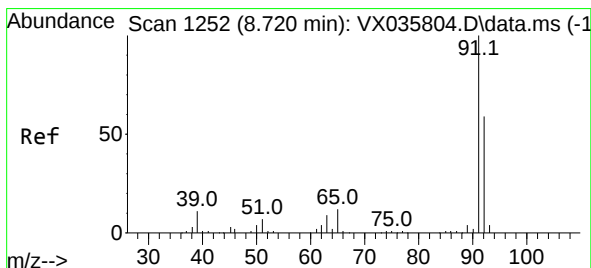
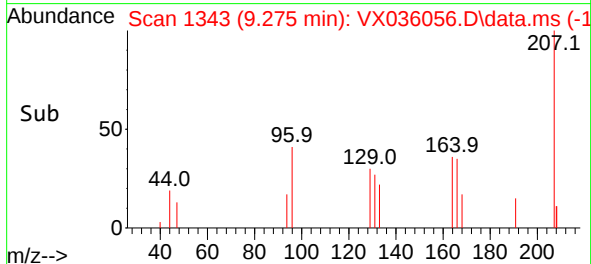
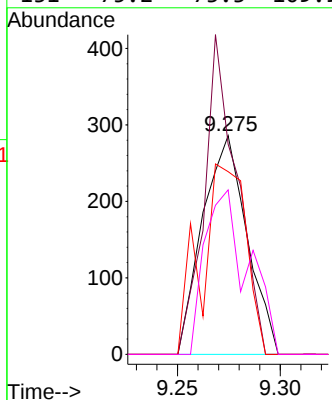


#61
Tetrachloroethene
Concen: 0.250 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

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

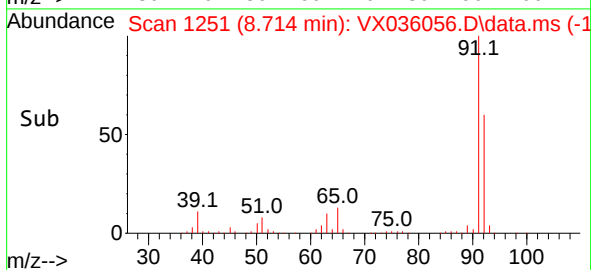
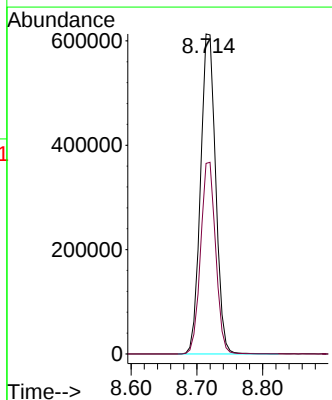
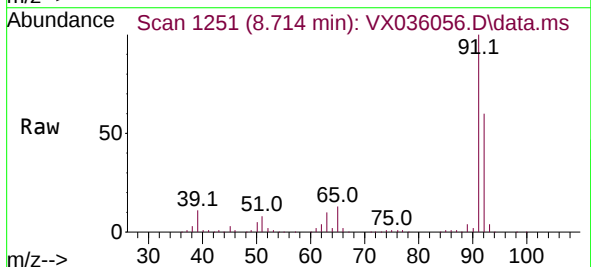


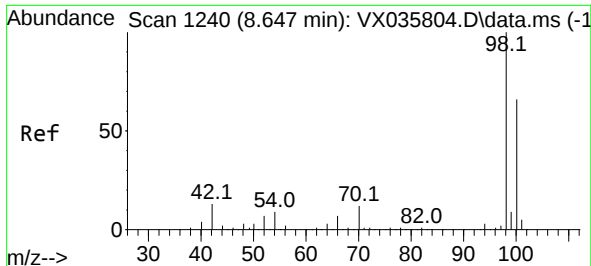
Tgt Ion:164 Resp: 430
Ion Ratio Lower Upper
164 100
166 96.2 100.1 150.1#
129 83.6 79.1 118.7
131 75.2 73.3 109.9



#62
Toluene
Concen: 106.520 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion: 91 Resp: 978831
Ion Ratio Lower Upper
91 100
92 59.6 46.5 69.7

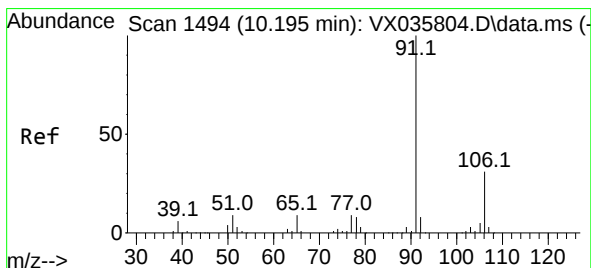
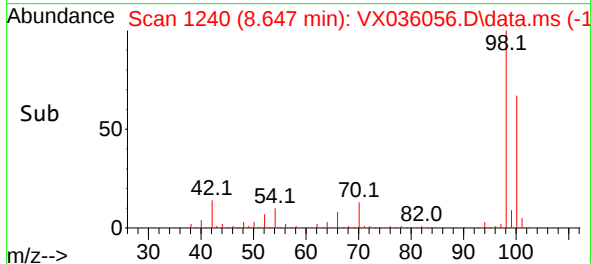
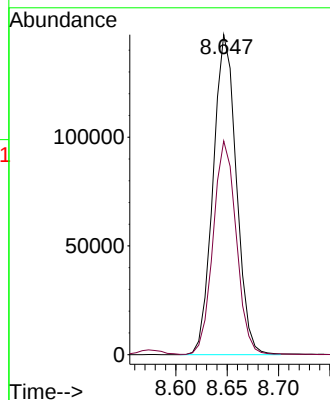
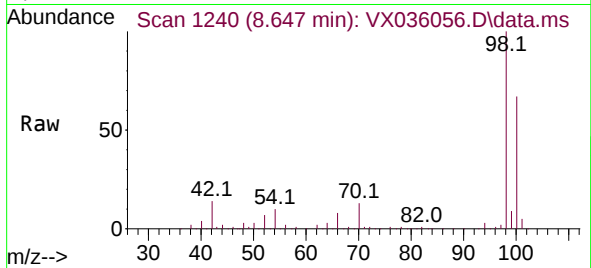




#63
Toluene-d8
Concen: 29.333 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

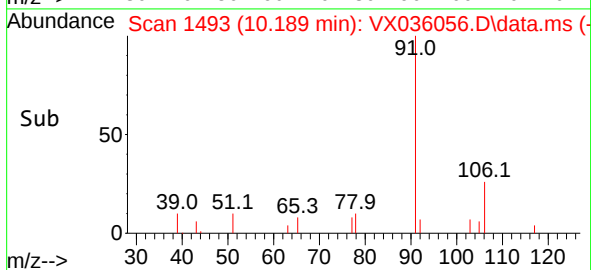
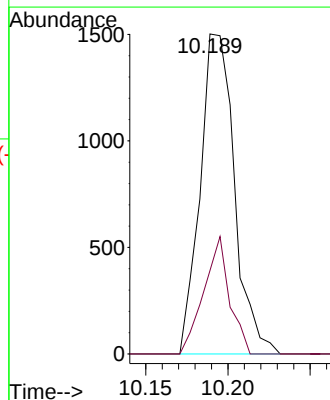
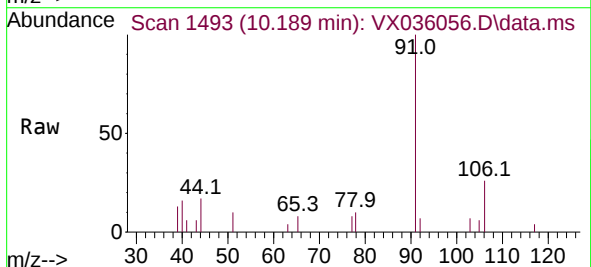
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

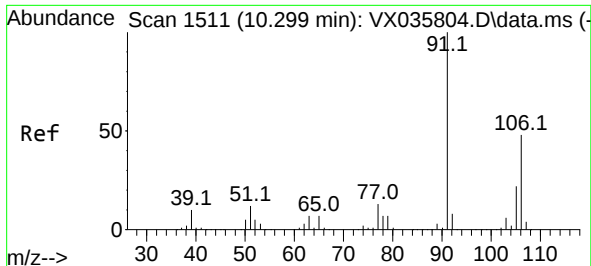
Tgt Ion: 98 Resp: 231388
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#66
Ethyl Benzene
Concen: 0.212 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion: 91 Resp: 2178
Ion Ratio Lower Upper
91 100
106 26.0 24.4 36.6





#67

m/p-Xylenes

Concen: 0.676 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX036056.D

Acq: 07 Jun 2023 13:29

Instrument :

MSVOA_X

ClientSampleId :

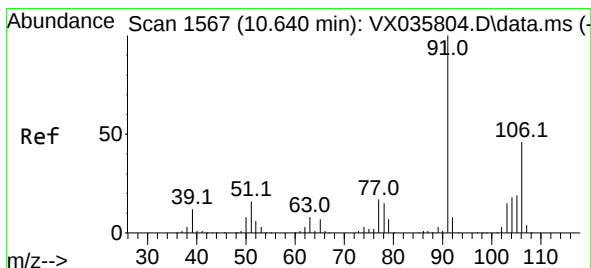
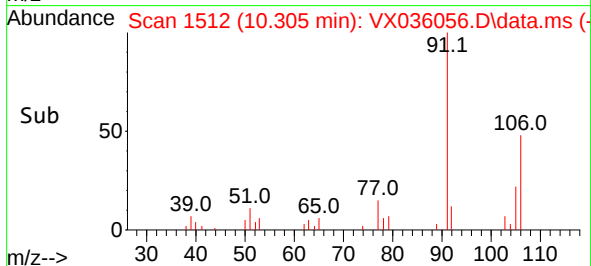
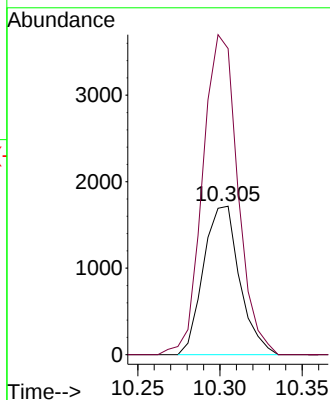
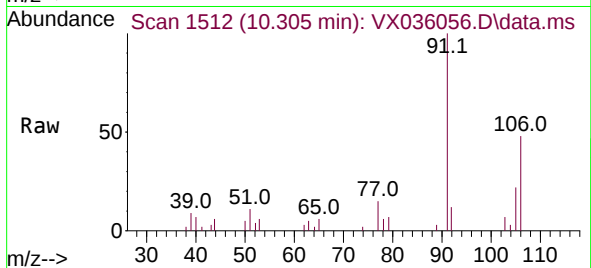
002-35TH-AVE(JUNE)

Tgt Ion:106 Resp: 2631

Ion Ratio Lower Upper

106 100

91 209.0 167.4 251.2



#68

o-Xylene

Concen: 0.238 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX036056.D

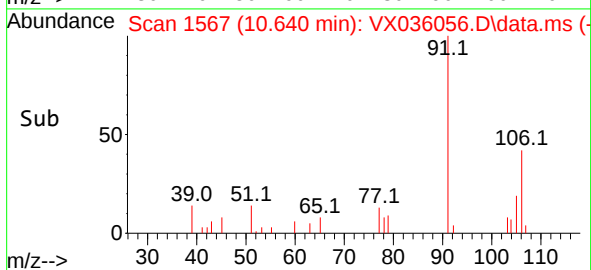
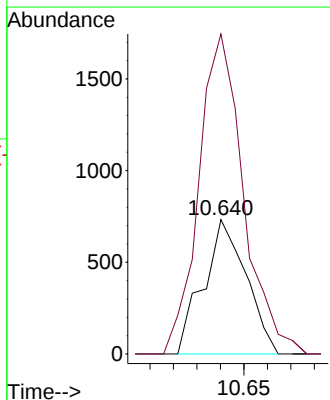
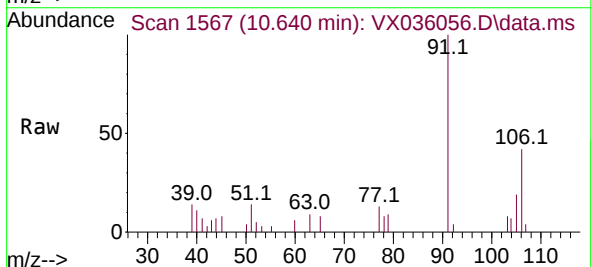
Acq: 07 Jun 2023 13:29

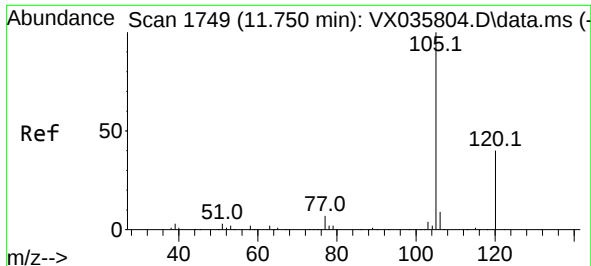
Tgt Ion:106 Resp: 925

Ion Ratio Lower Upper

106 100

91 249.3 108.9 326.8

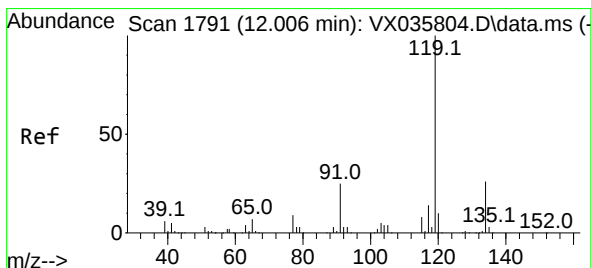
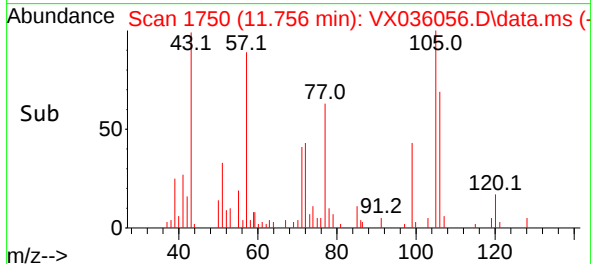
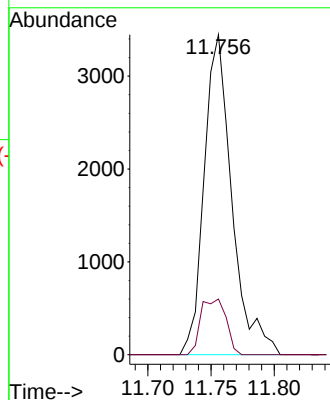
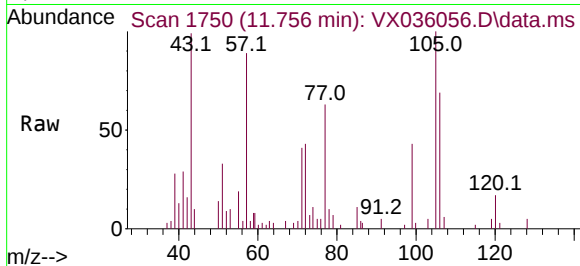




#80
1,2,4-Trimethylbenzene
Concen: 0.621 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

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

Tgt Ion:105 Resp: 5262
Ion Ratio Lower Upper
105 100
120 16.0 0.0 90.4



#82
p-Isopropyltoluene
Concen: 1.609 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX036056.D
Acq: 07 Jun 2023 13:29

Tgt Ion:119 Resp: 13758
Ion Ratio Lower Upper
119 100
134 24.3 0.0 52.2
91 26.9 0.0 51.0

