

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071924\
 Data File : VX042401.D
 Acq On : 19 Jul 2024 13:59
 Operator : JC/MD
 Sample : P3289-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 19 16:09:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 19 11:30:14 2024
 Response via : Initial Calibration

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

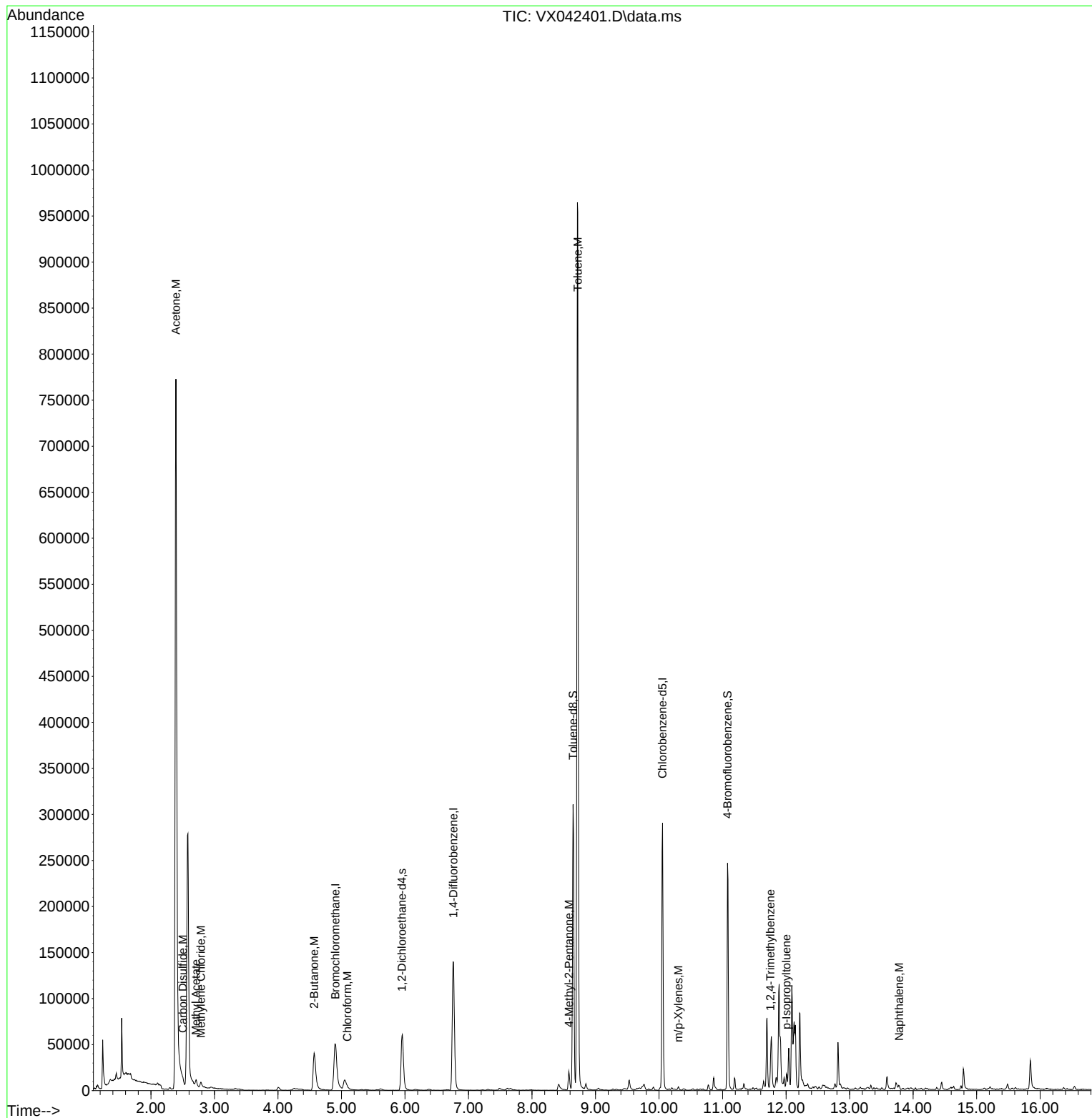
Internal Standards						
1) Bromochloromethane	4.903	128	26785	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	158205	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144653	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58583	30.534	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.767%
60) 4-Bromofluorobenzene	11.079	95	66800	29.680	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.933%
63) Toluene-d8	8.647	98	189747	30.196	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.667%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	8996	3.505	ug/l	99
15) Acetone	2.392	58	308573	1076.222	ug/l	98
16) Carbon Disulfide	2.501	76	5940	1.924	ug/l	99
18) Methylene Chloride	2.788	84	3101	1.739	ug/l	95
25) Chloroform	5.092	83	1074	0.350	ug/l #	81
30) 2-Butanone	4.568	43	79532	57.743	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	12446	4.882	ug/l	99
62) Toluene	8.720	91	656387	90.762	ug/l	100
67) m/p-Xylenes	10.305	106	1083	0.344	ug/l	79
80) 1,2,4-Trimethylbenzene	11.756	105	6998	1.041	ug/l	43
82) p-Isopropyltoluene	12.006	119	5749	0.787	ug/l	96
91) Naphthalene	13.780	128	3004	0.359	ug/l #	96

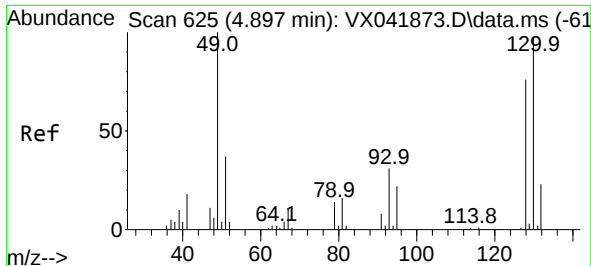
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 19 11:30:14 2024
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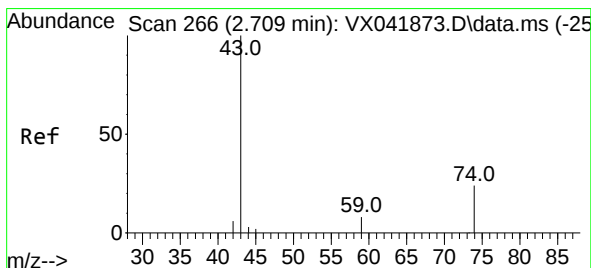
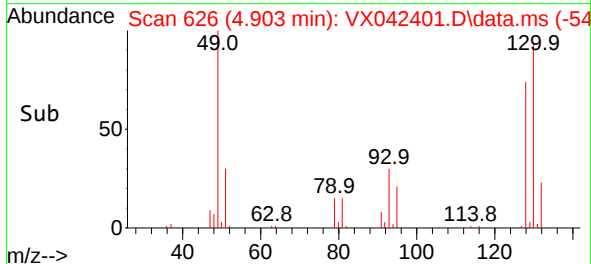
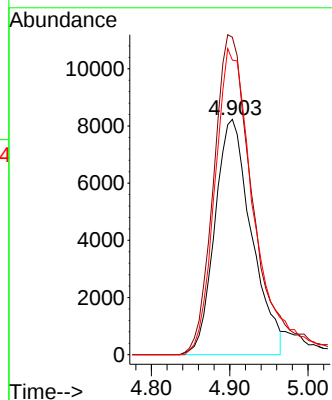
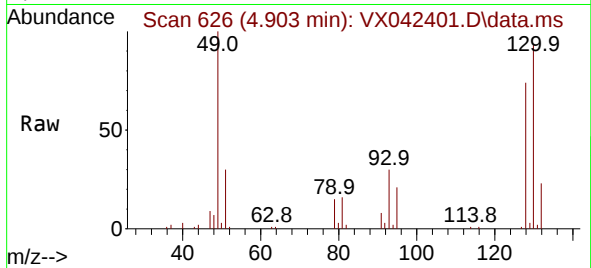




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

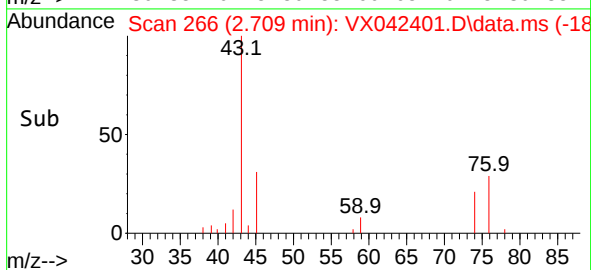
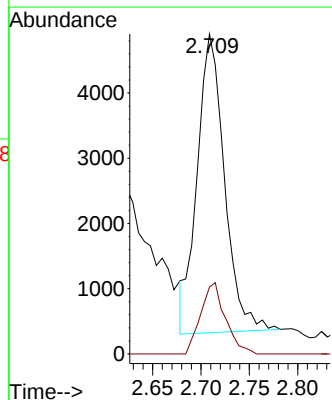
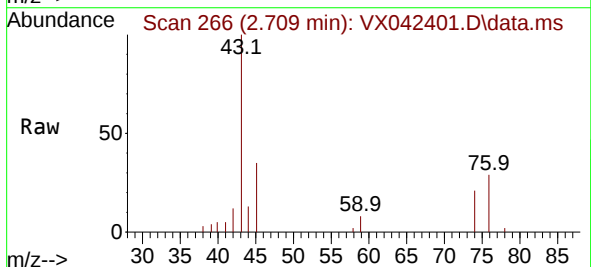
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

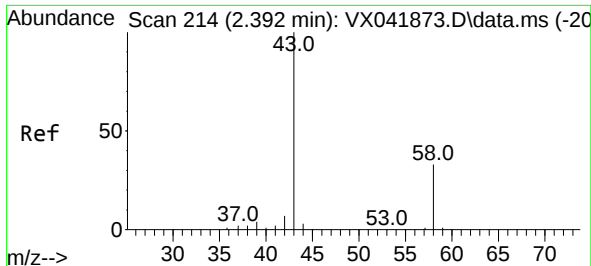
Tgt Ion:128 Resp: 26785
Ion Ratio Lower Upper
128 100
49 143.5 0.0 338.5
130 138.6 0.0 324.5



#12
Methyl Acetate
Concen: 3.505 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

Tgt Ion: 43 Resp: 8996
Ion Ratio Lower Upper
43 100
74 24.7 19.4 29.2





#15

Acetone

Concen: 1076.222 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

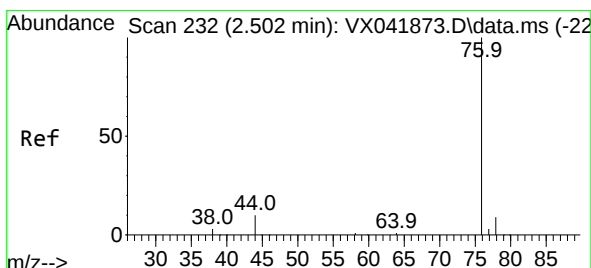
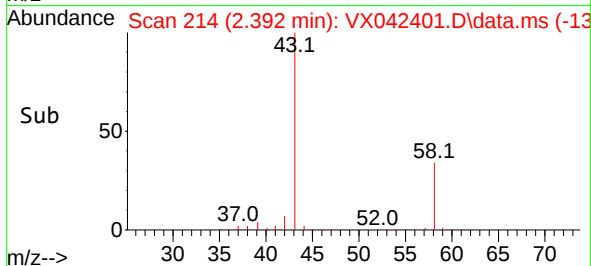
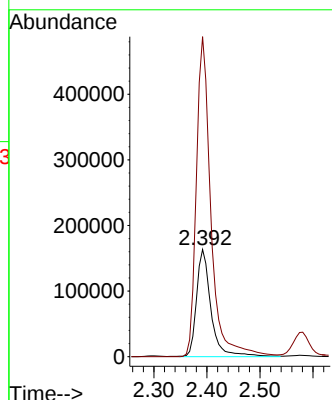
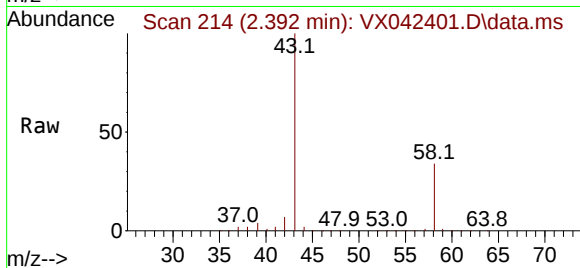
002-35TH-AVE(JUNE)

Tgt Ion: 58 Resp: 308573

Ion Ratio Lower Upper

58 100

43 299.5 243.4 365.2



#16

Carbon Disulfide

Concen: 1.924 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX042401.D

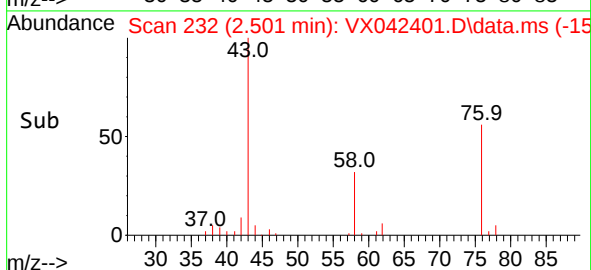
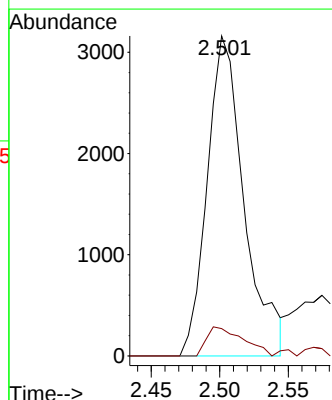
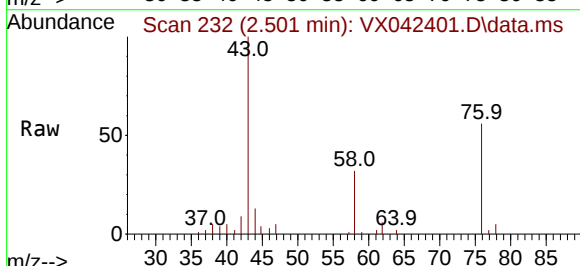
Acq: 19 Jul 2024 13:59

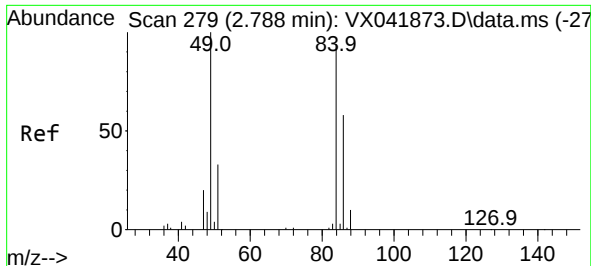
Tgt Ion: 76 Resp: 5940

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

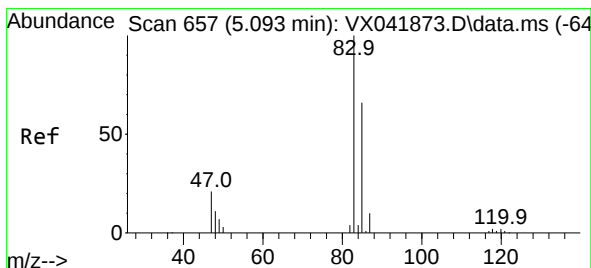
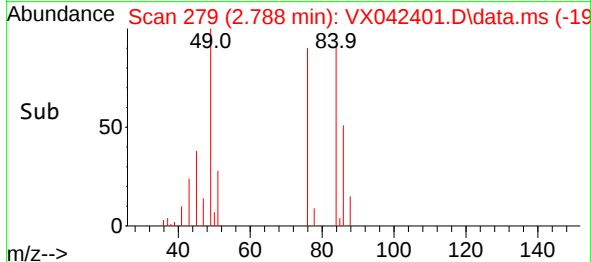
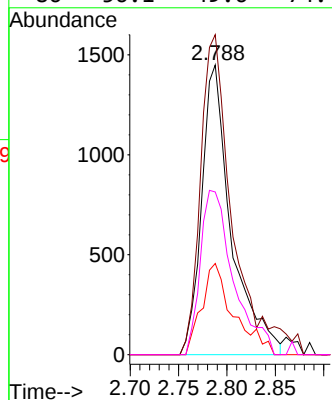
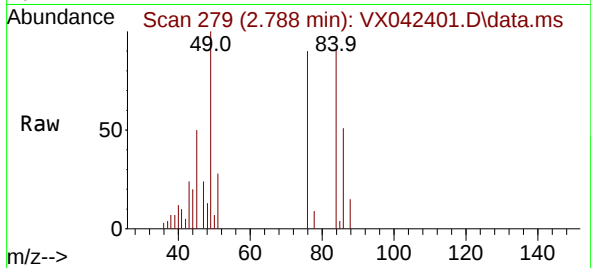




#18
Methylene Chloride
Concen: 1.739 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

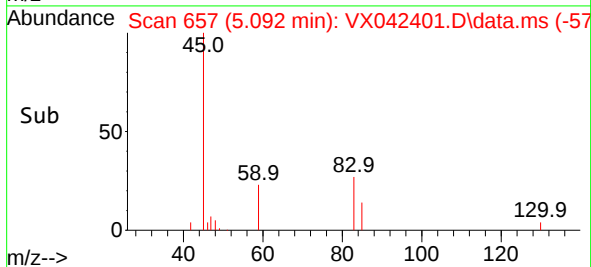
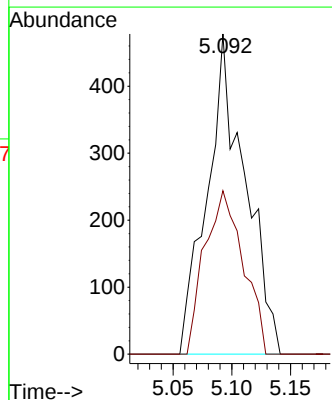
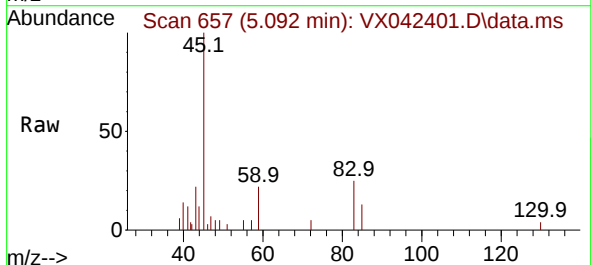
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

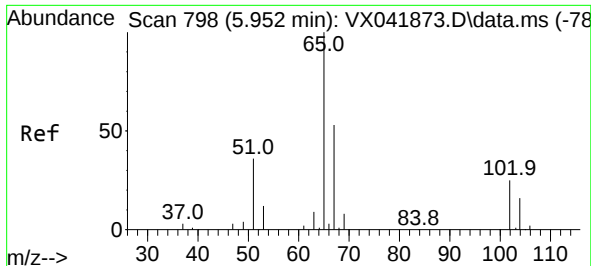
Tgt Ion: 84	Resp: 3101
Ion Ratio	Lower Upper
84 100	
49 110.4	85.3 127.9
51 31.4	28.5 42.7
86 56.1	49.6 74.4



#25
Chloroform
Concen: 0.350 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

Tgt Ion: 83	Resp: 1074		
Ion Ratio	Lower	Upper	
83 100			
85 51.0	52.7	79.1#	





#27

1,2-Dichloroethane-d4

Concen: 30.534 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

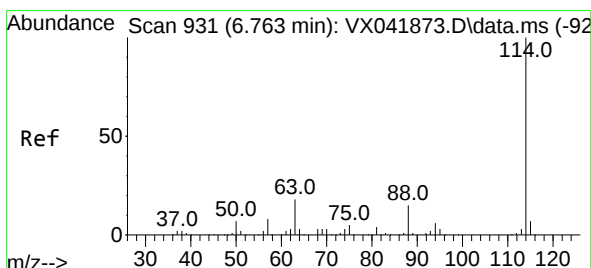
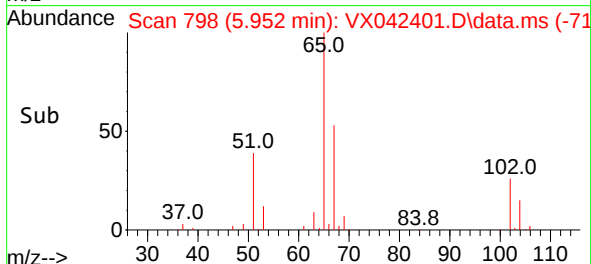
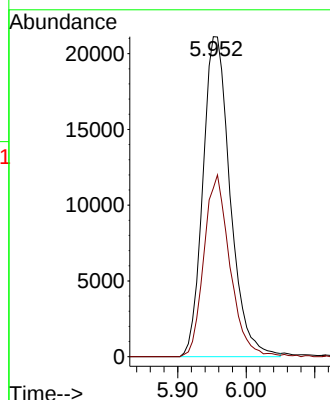
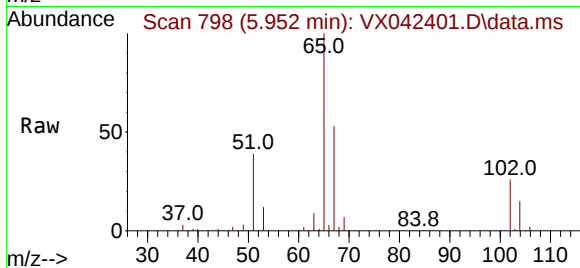
002-35TH-AVE(JUNE)

Tgt Ion: 65 Resp: 58583

Ion Ratio Lower Upper

65 100

67 53.5 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

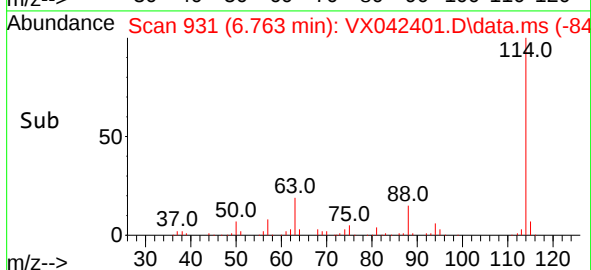
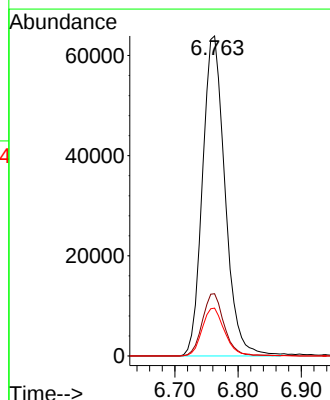
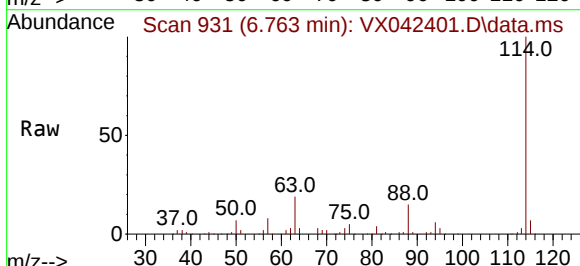
Tgt Ion: 114 Resp: 158205

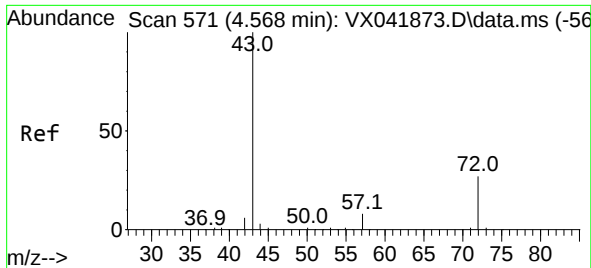
Ion Ratio Lower Upper

114 100

63 18.7 14.6 21.8

88 15.0 11.8 17.8

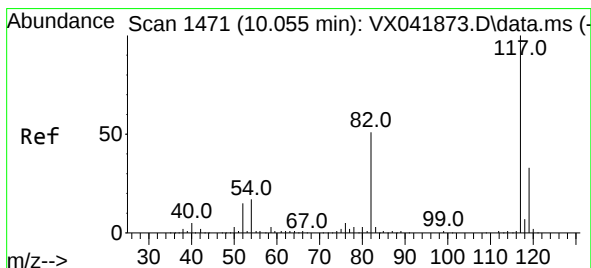
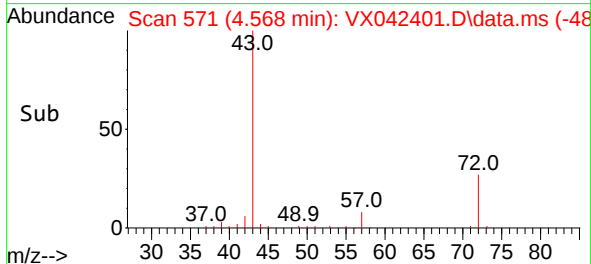
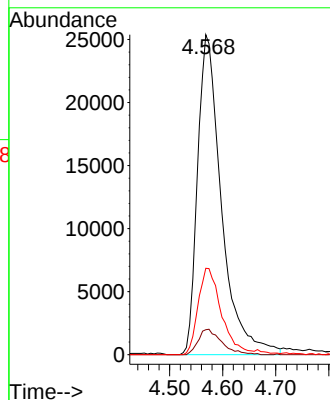
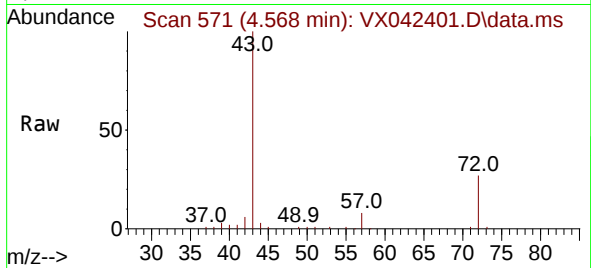




#30
2-Butanone
Concen: 57.743 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

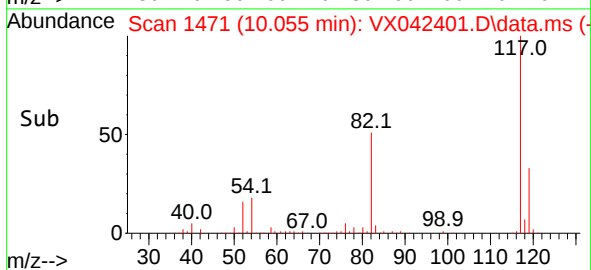
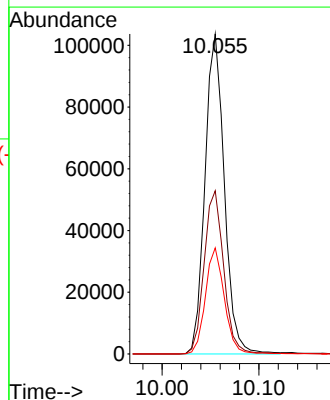
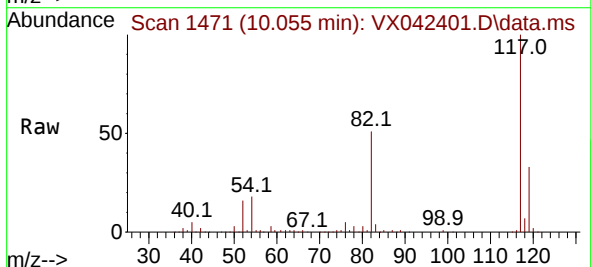
Instrument :
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002-35TH-AVE(JUNE)

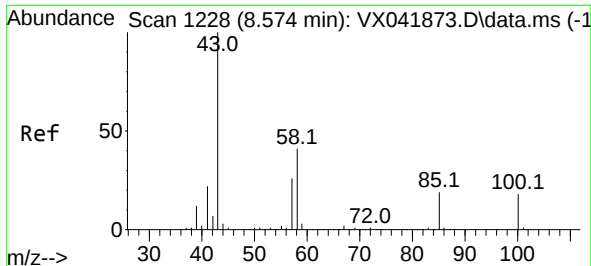
Tgt Ion: 43 Resp: 79532
Ion Ratio Lower Upper
43 100
57 7.8 6.5 9.7
72 26.2 22.0 33.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

Tgt Ion: 117 Resp: 144653
Ion Ratio Lower Upper
117 100
82 51.4 41.1 61.7
119 32.5 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 4.882 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

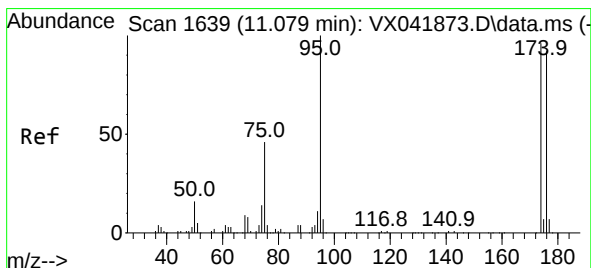
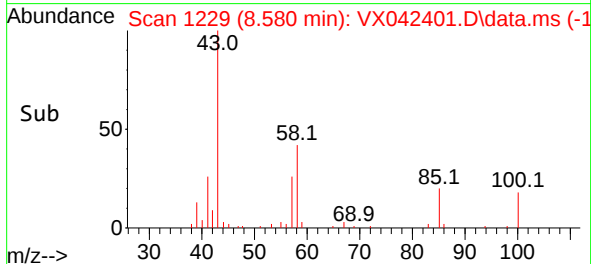
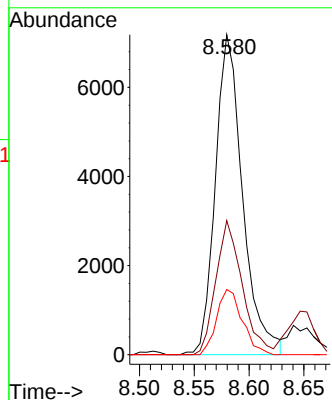
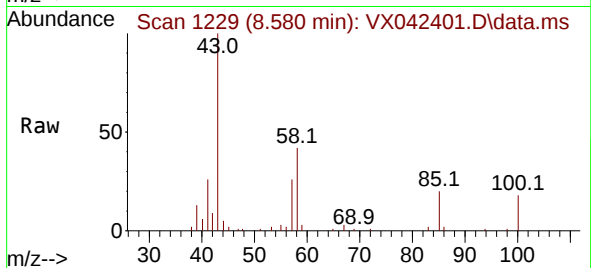
Tgt Ion: 43 Resp: 12446

Ion Ratio Lower Upper

43 100

58 40.5 33.2 49.8

85 19.2 15.5 23.3



#60

4-Bromofluorobenzene

Concen: 29.680 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

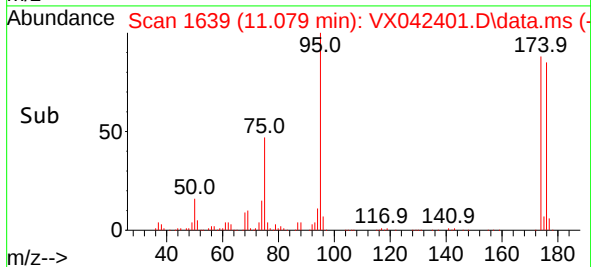
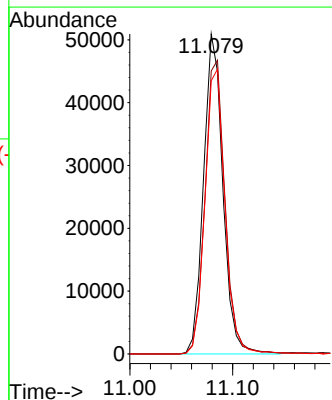
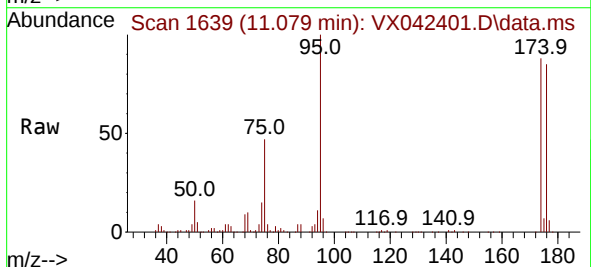
Tgt Ion: 95 Resp: 66800

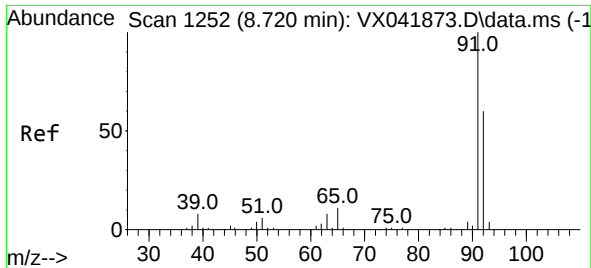
Ion Ratio Lower Upper

95 100

174 95.2 78.9 118.3

176 92.0 77.1 115.7

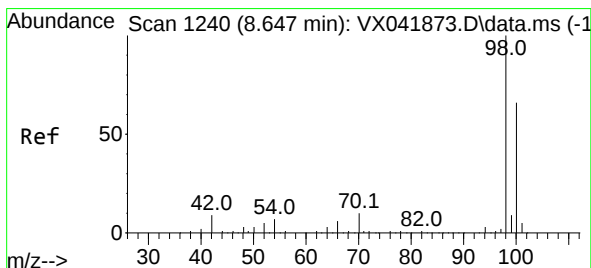
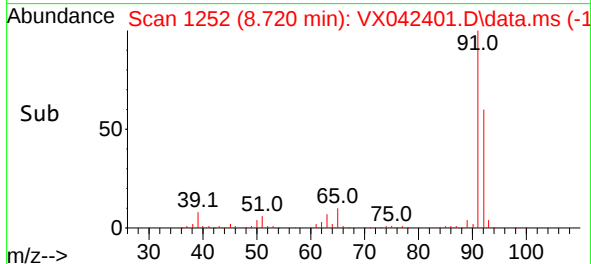
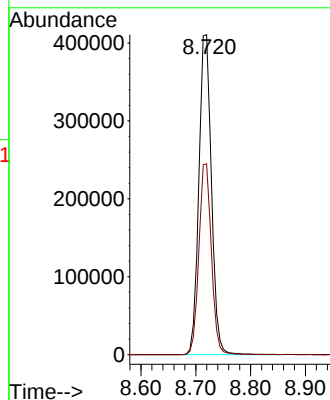
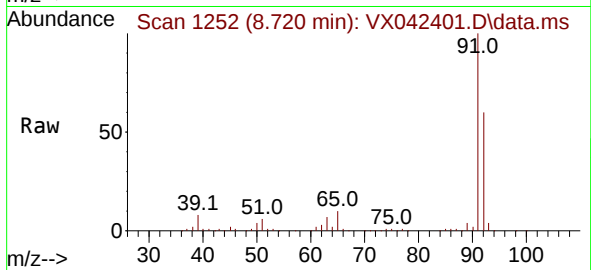




#62
Toluene
Concen: 90.762 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

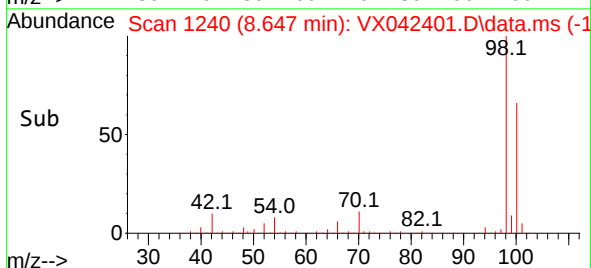
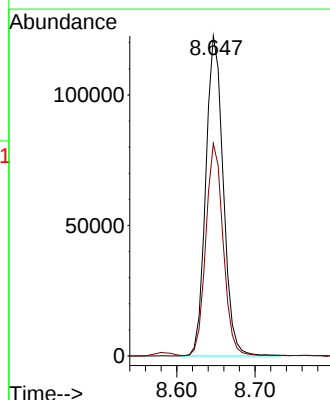
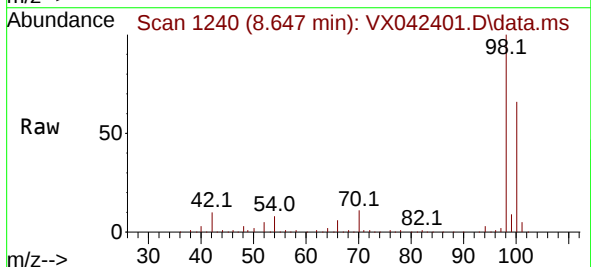
Instrument :
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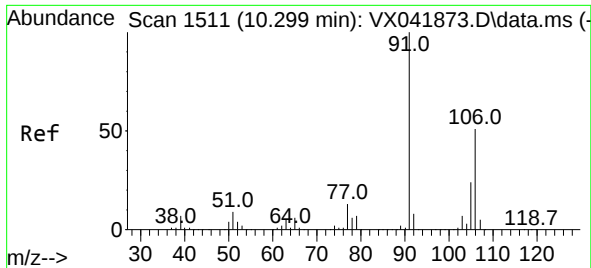
Tgt Ion: 91 Resp: 656387
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.2



#63
Toluene-d8
Concen: 30.196 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

Tgt Ion: 98 Resp: 189747
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

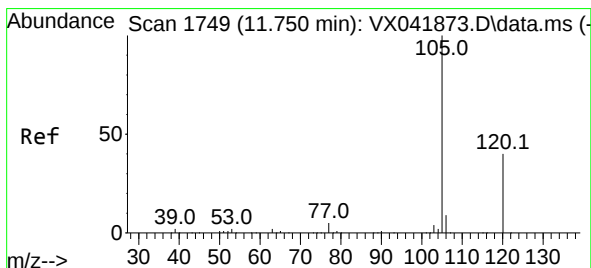
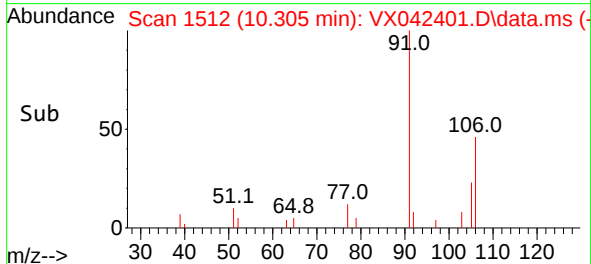
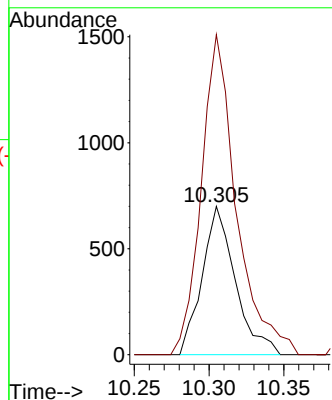
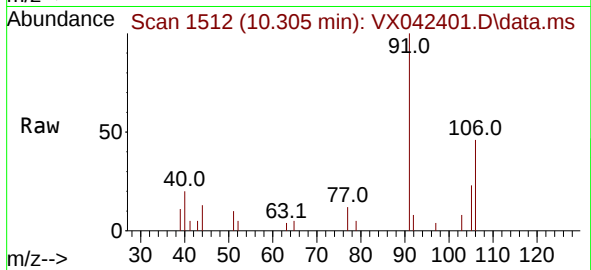




#67
m/p-Xylenes
Concen: 0.344 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

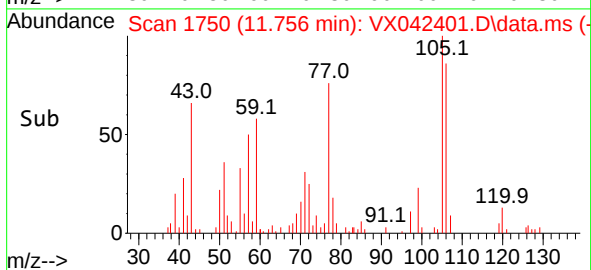
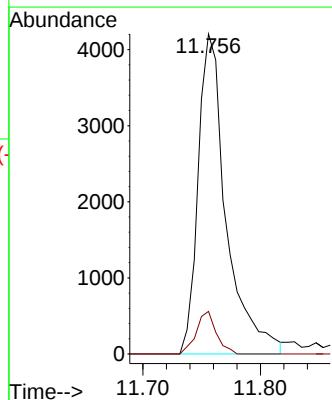
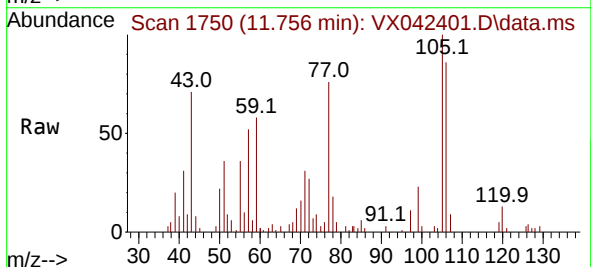
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(JUNE)

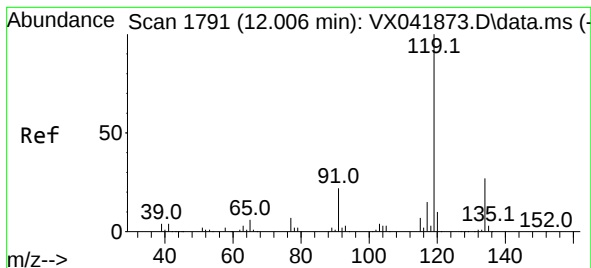
Tgt Ion:106 Resp: 1083
Ion Ratio Lower Upper
106 100
91 227.6 157.0 235.6



#80
1,2,4-Trimethylbenzene
Concen: 1.041 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX042401.D
Acq: 19 Jul 2024 13:59

Tgt Ion:105 Resp: 6998
Ion Ratio Lower Upper
105 100
120 9.5 0.0 96.2





#82

p-Isopropyltoluene

Concen: 0.787 ug/l

RT: 12.006 min Scan# 119

Delta R.T. -0.000 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(JUNE)

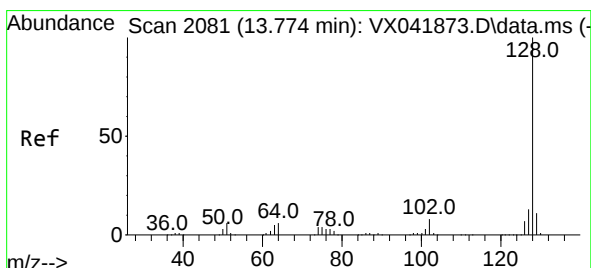
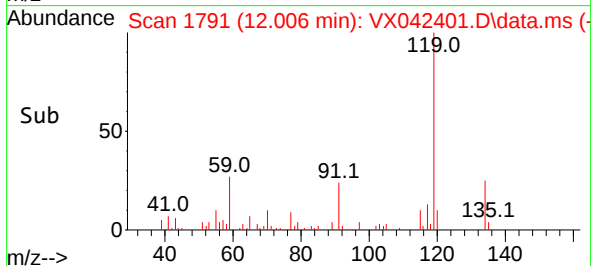
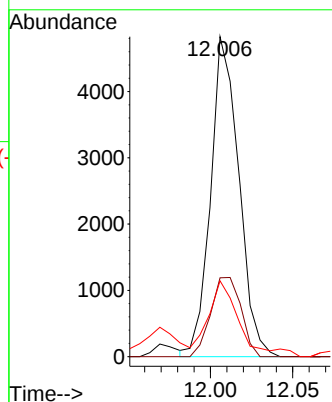
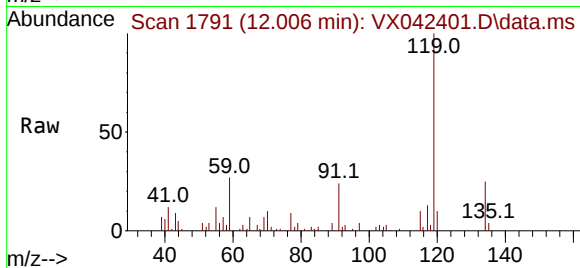
Tgt Ion:119 Resp: 5749

Ion Ratio Lower Upper

119 100

134 26.6 0.0 54.0

91 24.6 0.0 42.2



#91

Naphthalene

Concen: 0.359 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX042401.D

Acq: 19 Jul 2024 13:59

Tgt Ion:128 Resp: 3004

Ion Ratio Lower Upper

128 100

127 10.4 10.4 15.6#

129 10.2 8.7 13.1

