

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072324\
 Data File : VX042462.D
 Acq On : 23 Jul 2024 11:06
 Operator : JC/MD
 Sample : P3321-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35th-Ave(July)

Quant Time: Jul 23 15:09:22 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)

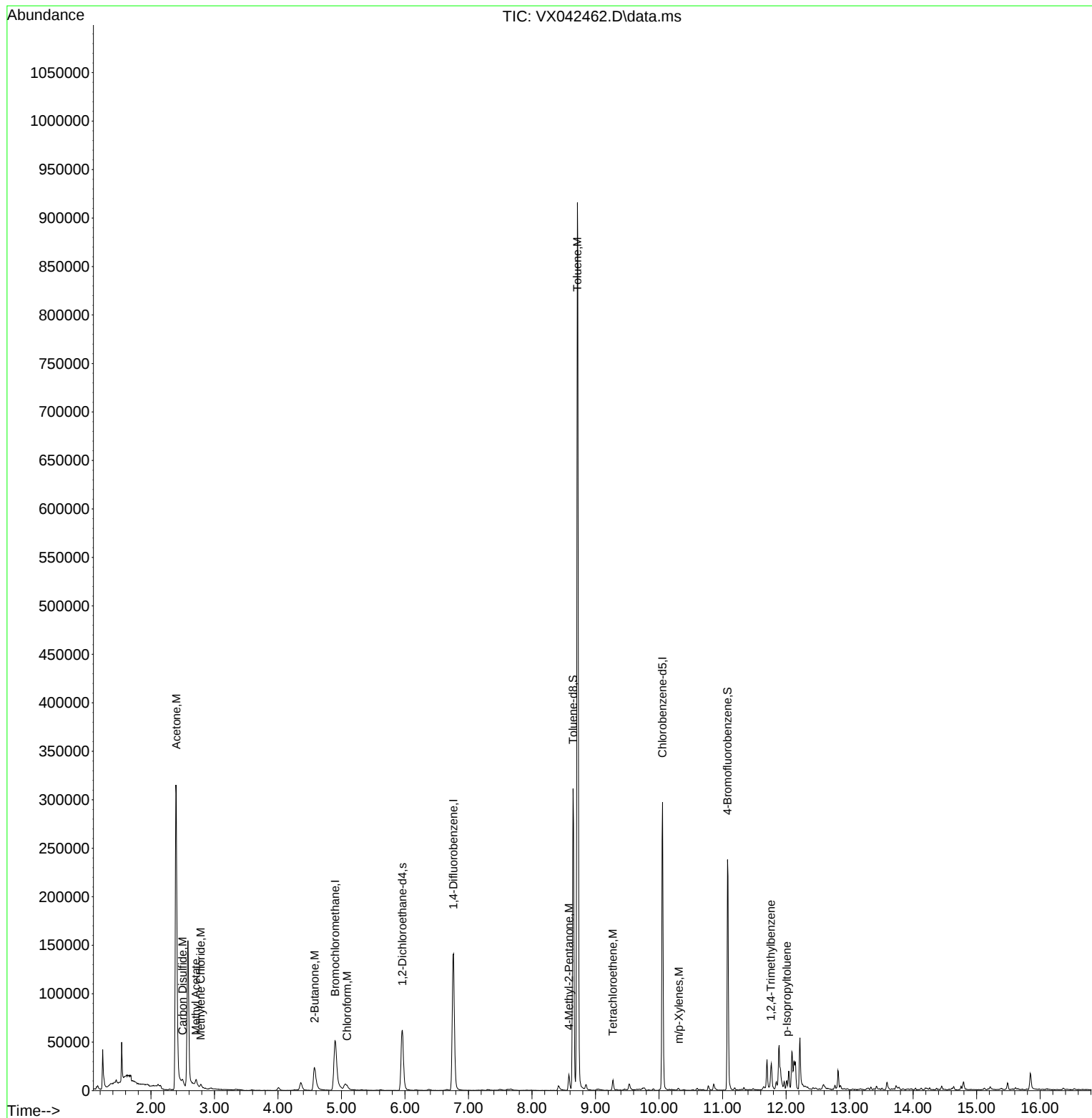
Internal Standards						
1) Bromochloromethane	4.897	128	28198	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	156148	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144166	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61103	30.251	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.833%
60) 4-Bromofluorobenzene	11.079	95	64472	28.743	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.800%
63) Toluene-d8	8.646	98	187372	29.919	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.733%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.708	43	8538	3.160	ug/l	96
15) Acetone	2.398	58	123259	408.353	ug/l	94
16) Carbon Disulfide	2.495	76	4037	1.242	ug/l	97
18) Methylene Chloride	2.782	84	2458	1.309	ug/l #	92
25) Chloroform	5.086	83	1997	0.617	ug/l	90
30) 2-Butanone	4.574	43	47952	35.273	ug/l	98
58) 4-Methyl-2-Pentanone	8.579	43	10129	3.987	ug/l	98
61) Tetrachloroethene	9.274	164	2116	1.210	ug/l	89
62) Toluene	8.713	91	610049	84.640	ug/l	100
67) m/p-Xylenes	10.311	106	658	0.210	ug/l	77
80) 1,2,4-Trimethylbenzene	11.762	105	2718	0.406	ug/l	54
82) p-Isopropyltoluene	12.012	119	3817	0.525	ug/l	96

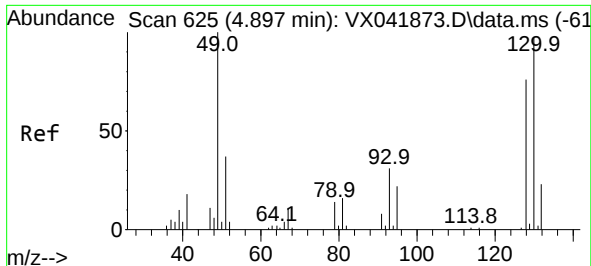
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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002-35th-Ave(July)

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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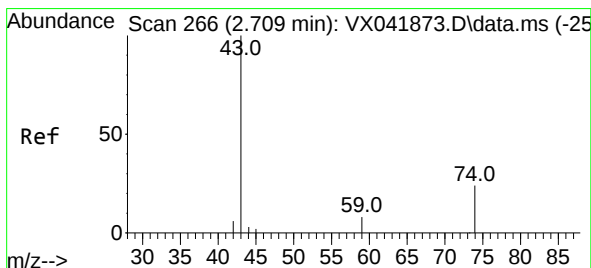
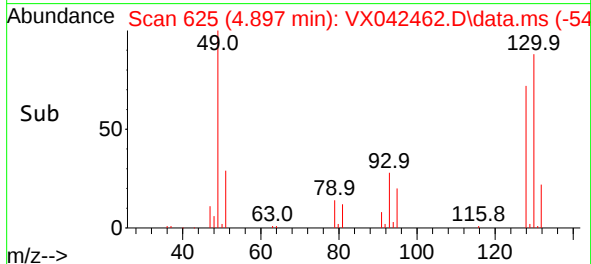
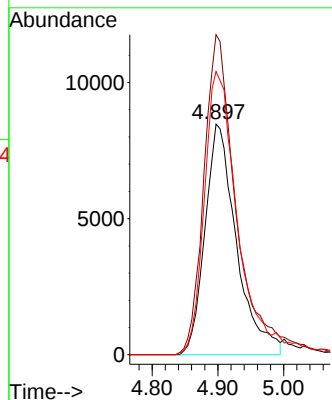
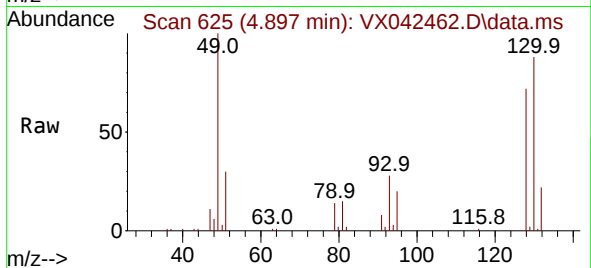




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

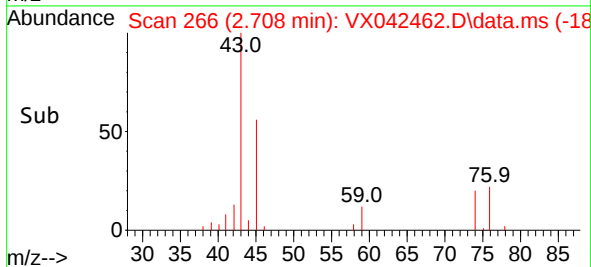
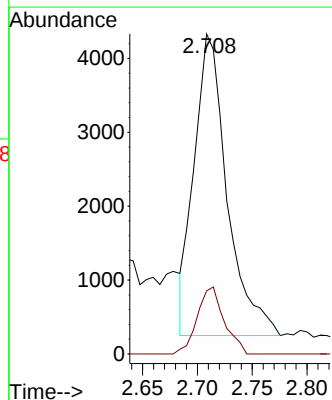
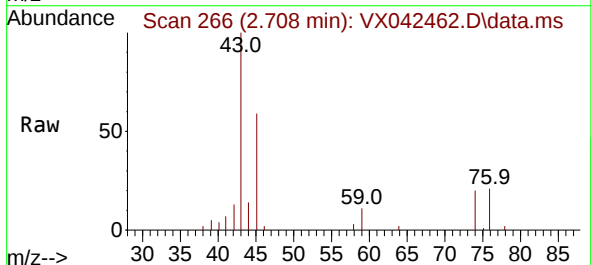
Instrument :
MSVOA_X
ClientSampleId :
002-35th-Ave(July)

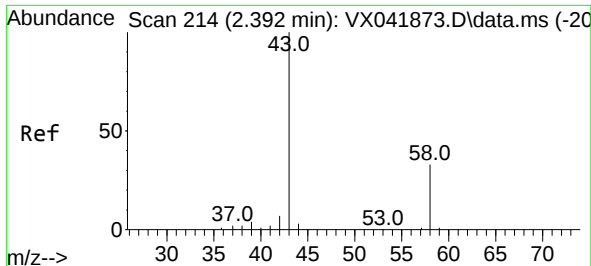
Tgt Ion:128 Resp: 28198
Ion Ratio Lower Upper
128 100
49 143.8 0.0 338.5
130 126.0 0.0 324.5



#12
Methyl Acetate
Concen: 3.160 ug/l
RT: 2.708 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Tgt Ion: 43 Resp: 8538
Ion Ratio Lower Upper
43 100
74 22.5 19.4 29.2





#15

Acetone

Concen: 408.353 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

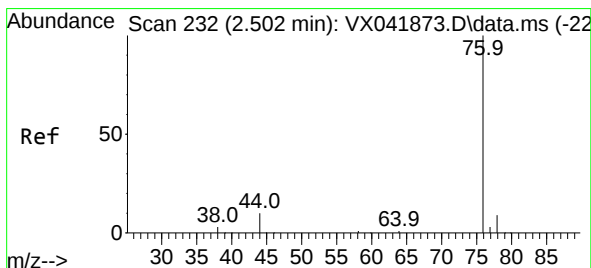
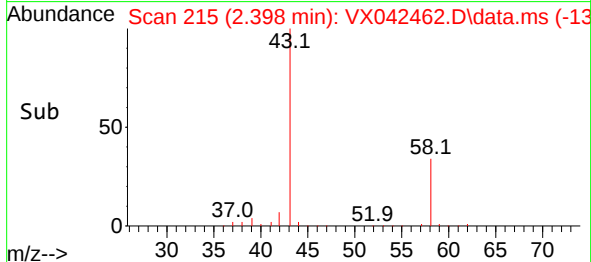
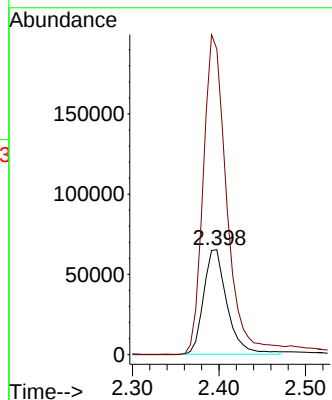
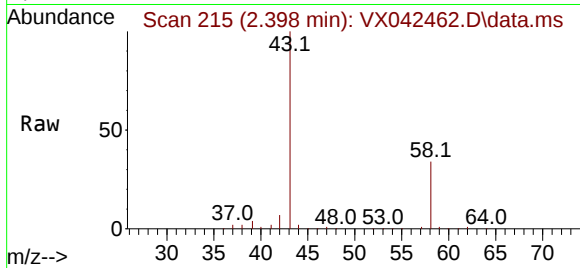
002-35th-Ave(July)

Tgt Ion: 58 Resp: 123259

Ion Ratio Lower Upper

58 100

43 292.1 243.4 365.2



#16

Carbon Disulfide

Concen: 1.242 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX042462.D

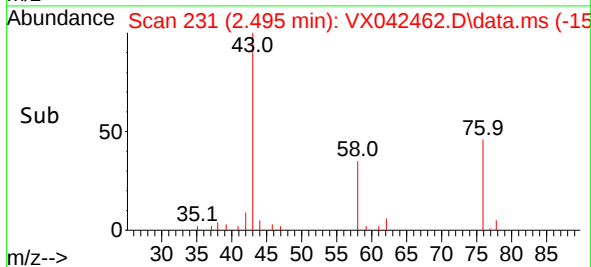
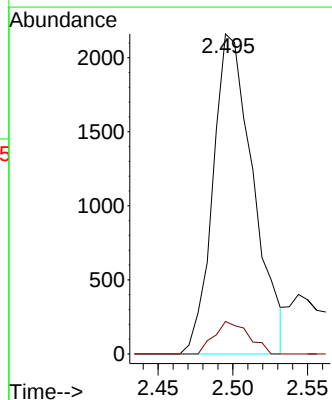
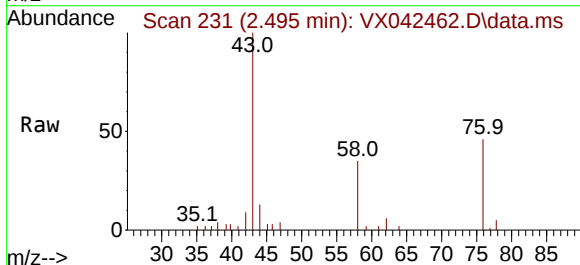
Acq: 23 Jul 2024 11:06

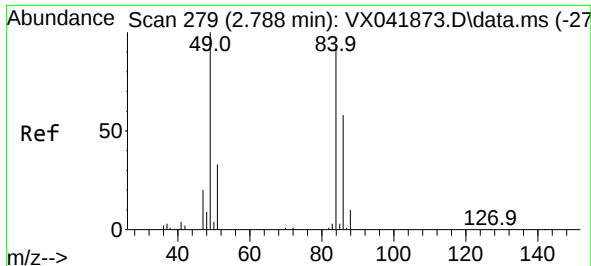
Tgt Ion: 76 Resp: 4037

Ion Ratio Lower Upper

76 100

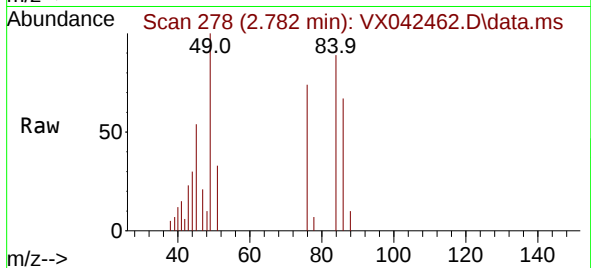
78 10.1 7.3 10.9



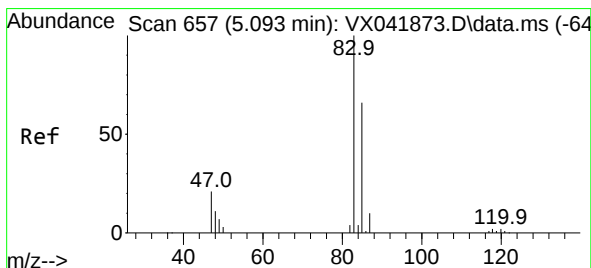
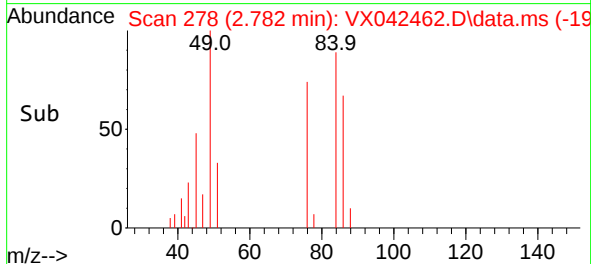
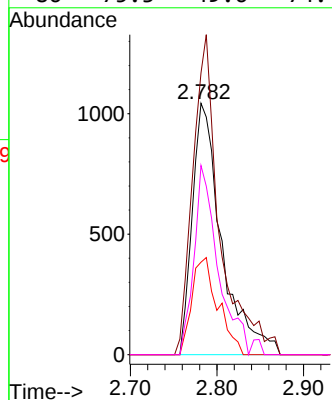


#18
Methylene Chloride
Concen: 1.309 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Instrument :
MSVOA_X
ClientSampleId :
002-35th-Ave(July)

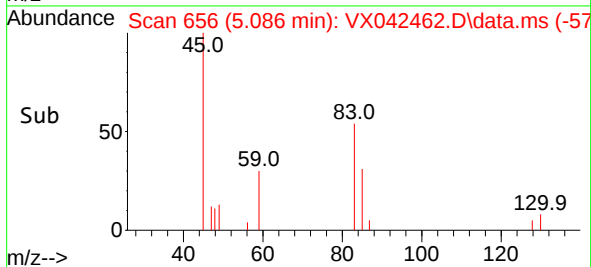
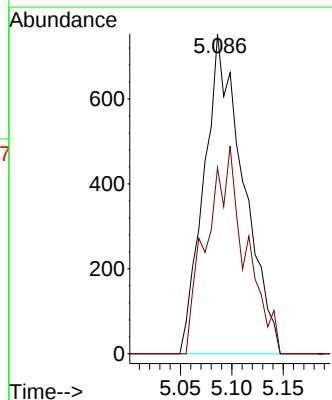
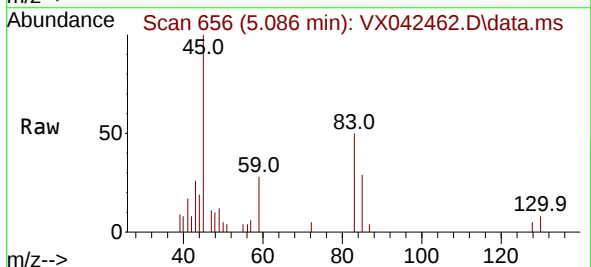


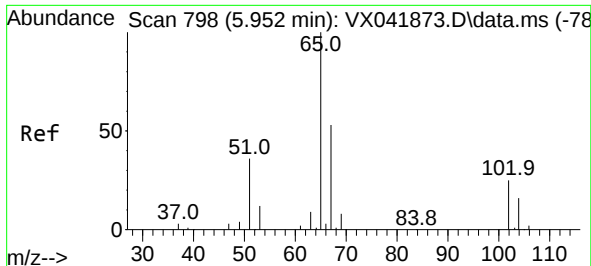
Tgt Ion:	84	Resp:	2458
Ion	Ratio	Lower	Upper
84	100		
49	112.1	85.3	127.9
51	36.8	28.5	42.7
86	75.3	49.6	74.4



#25
Chloroform
Concen: 0.617 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Tgt Ion:	83	Resp:	1997
Ion	Ratio	Lower	Upper
83	100		
85	58.2	52.7	79.1





#27

1,2-Dichloroethane-d4

Concen: 30.251 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

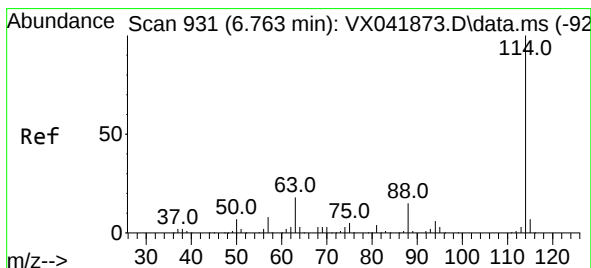
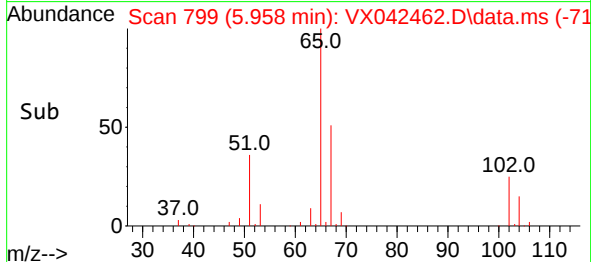
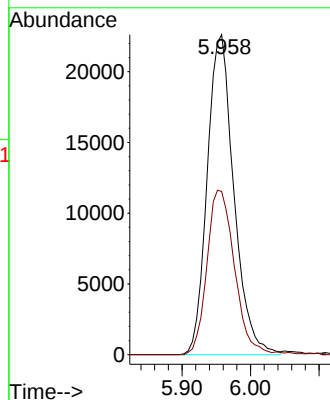
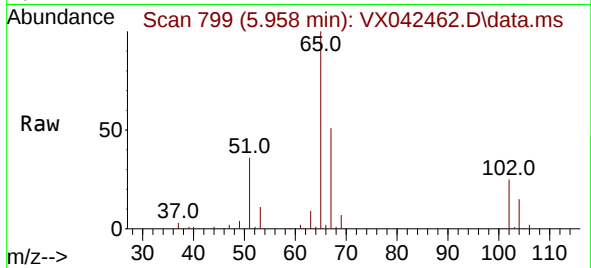
002-35th-Ave(July)

Tgt Ion: 65 Resp: 61103

Ion Ratio Lower Upper

65 100

67 52.9 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: VX042462.D

Acq: 23 Jul 2024 11:06

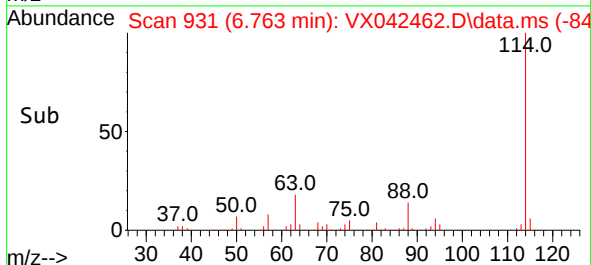
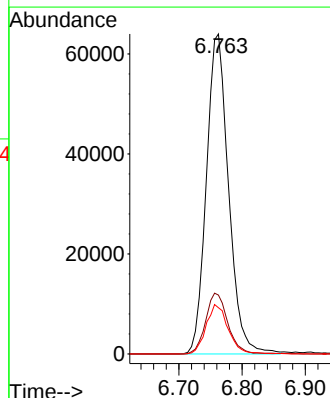
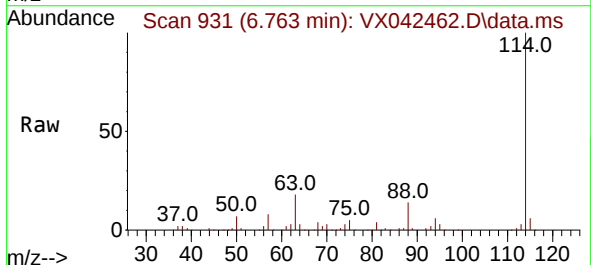
Tgt Ion: 114 Resp: 156148

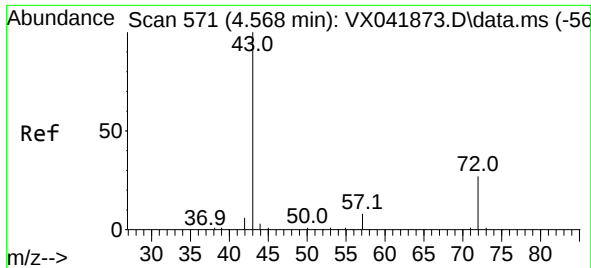
Ion Ratio Lower Upper

114 100

63 18.7 14.6 21.8

88 15.4 11.8 17.8

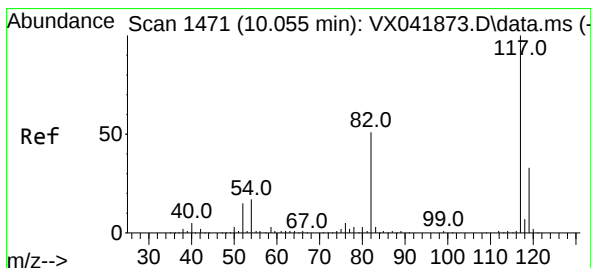
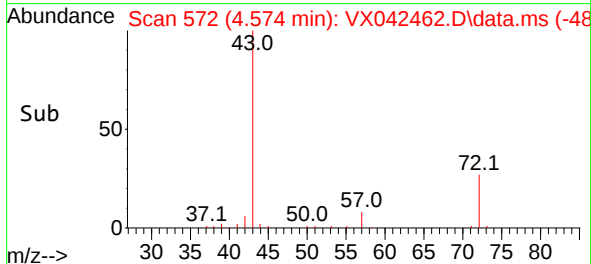
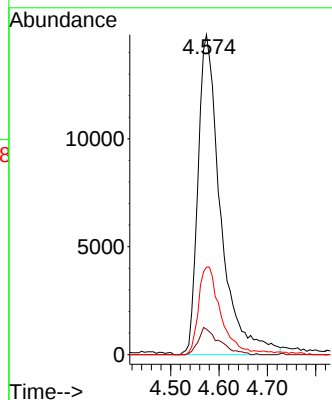
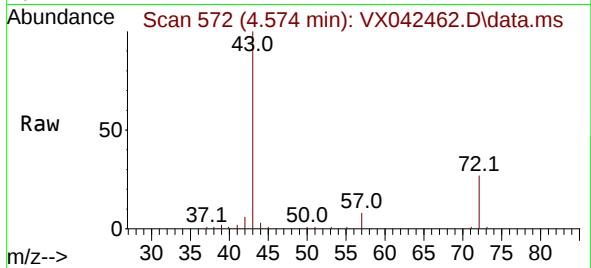




#30
2-Butanone
Concen: 35.273 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

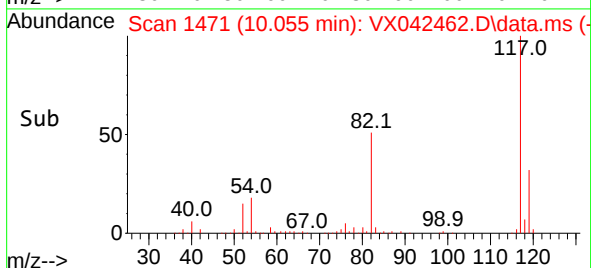
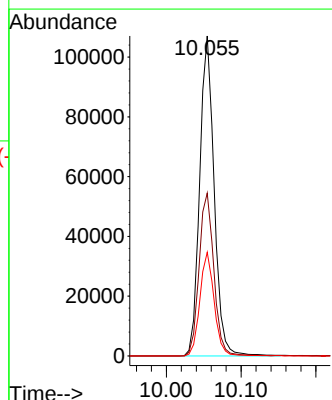
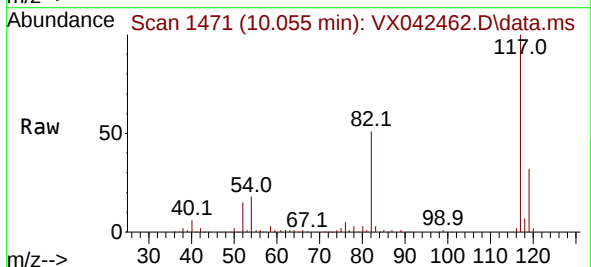
Instrument :
MSVOA_X
ClientSampleId :
002-35th-Ave(July)

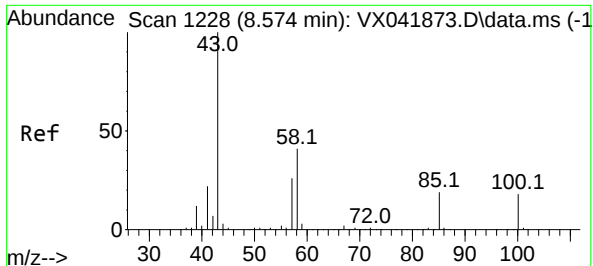
Tgt Ion: 43 Resp: 47952
Ion Ratio Lower Upper
43 100
57 7.9 6.5 9.7
72 26.6 22.0 33.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Tgt Ion: 117 Resp: 144166
Ion Ratio Lower Upper
117 100
82 52.0 41.1 61.7
119 31.9 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 3.987 ug/l

RT: 8.579 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

002-35th-Ave(July)

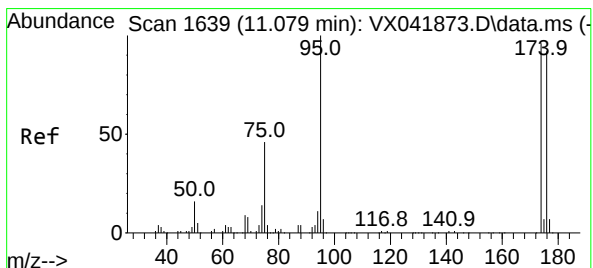
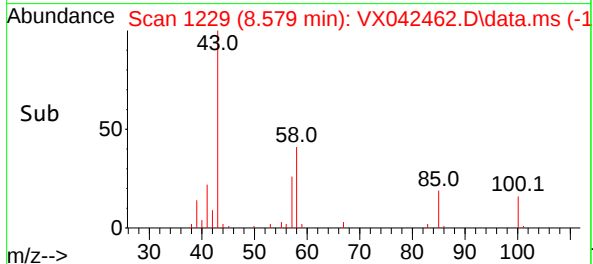
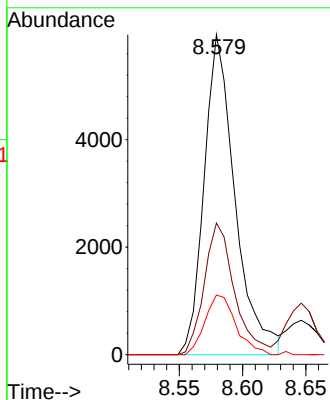
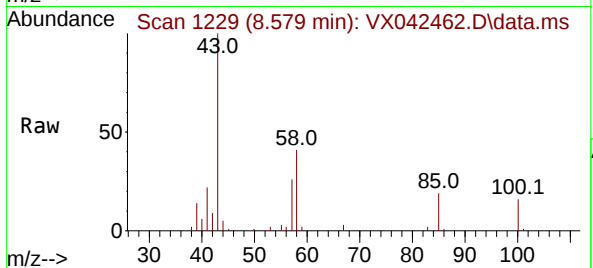
Tgt Ion: 43 Resp: 10129

Ion Ratio Lower Upper

43 100

58 40.2 33.2 49.8

85 18.6 15.5 23.3



#60

4-Bromofluorobenzene

Concen: 28.743 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

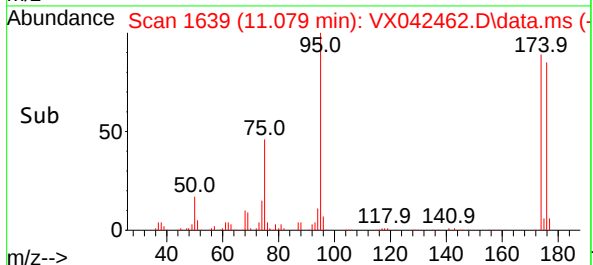
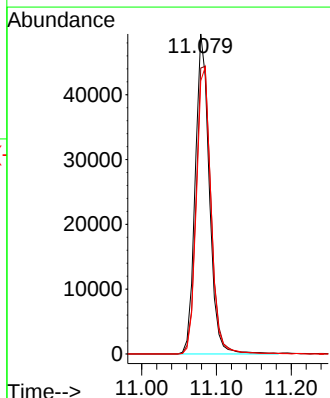
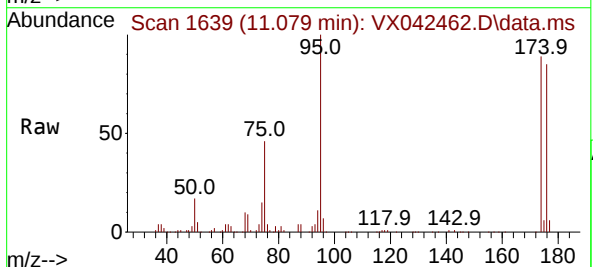
Tgt Ion: 95 Resp: 64472

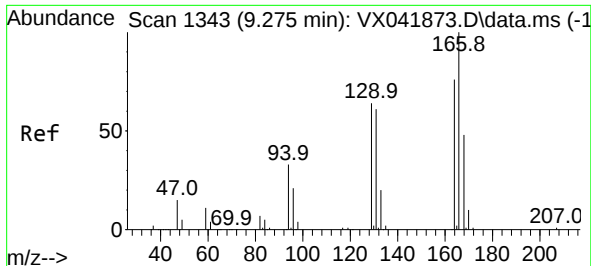
Ion Ratio Lower Upper

95 100

174 95.3 78.9 118.3

176 92.5 77.1 115.7

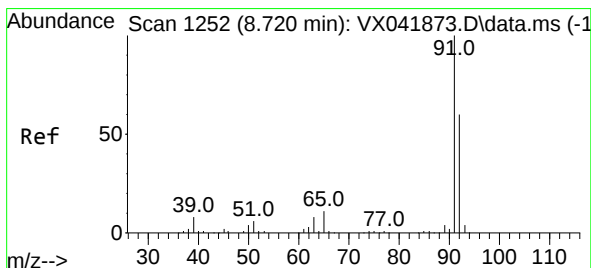
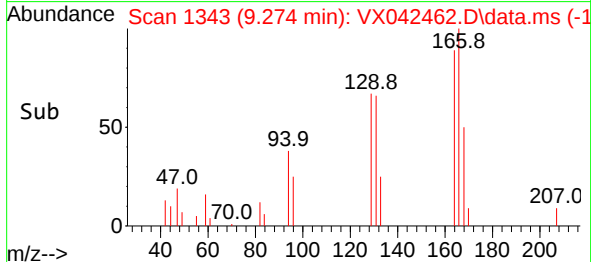
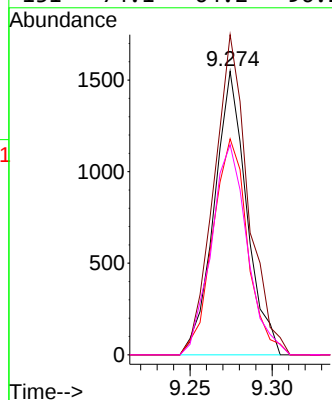
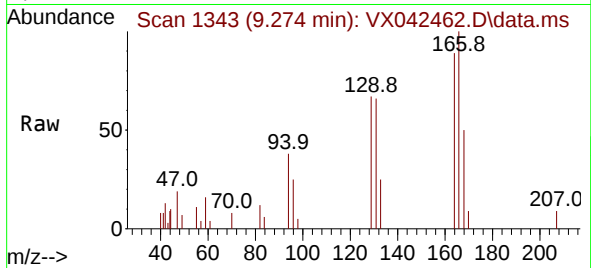




#61
Tetrachloroethene
Concen: 1.210 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

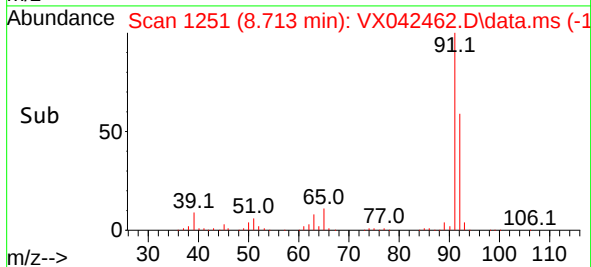
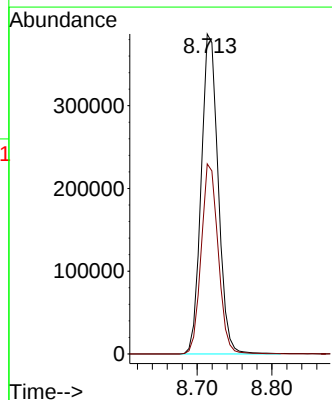
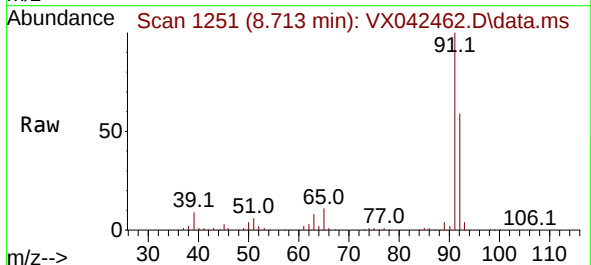
Instrument :
MSVOA_X
ClientSampleId :
002-35th-Ave(July)

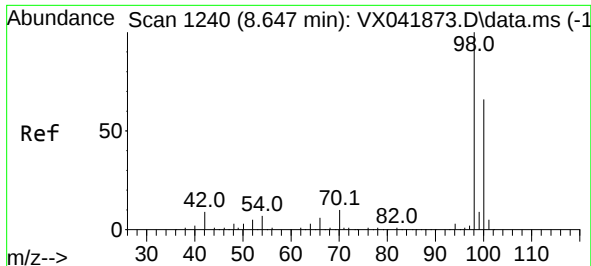
Tgt Ion:164 Resp: 2116
Ion Ratio Lower Upper
164 100
166 112.9 105.0 157.6
129 76.2 67.1 100.7
131 74.1 64.2 96.2



#62
Toluene
Concen: 84.640 ug/l
RT: 8.713 min Scan# 1251
Delta R.T. -0.007 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Tgt Ion: 91 Resp: 610049
Ion Ratio Lower Upper
91 100
92 59.1 47.4 71.2

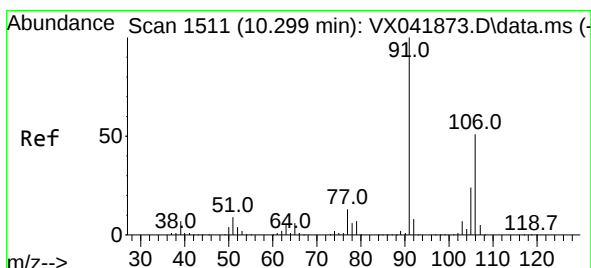
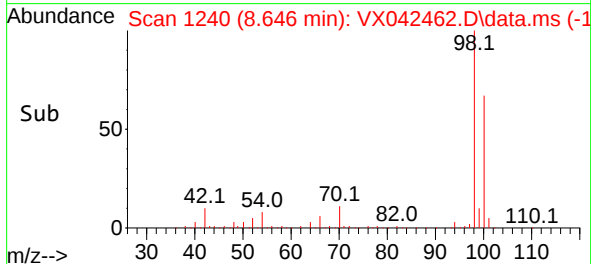
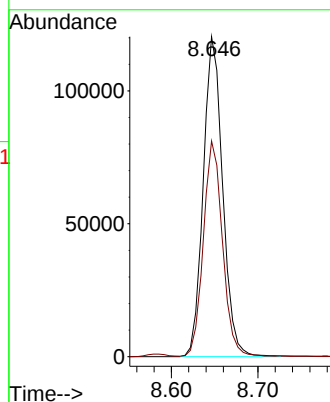
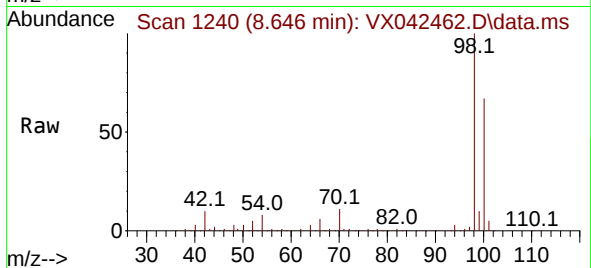




#63
Toluene-d8
Concen: 29.919 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

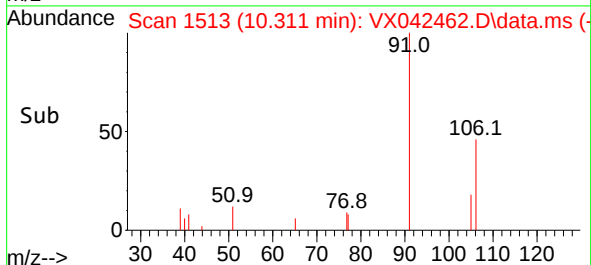
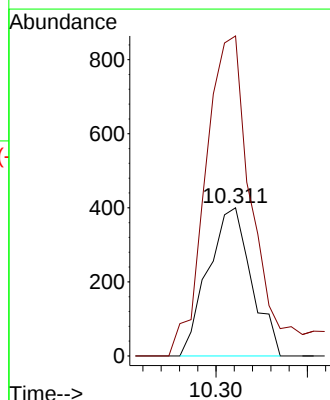
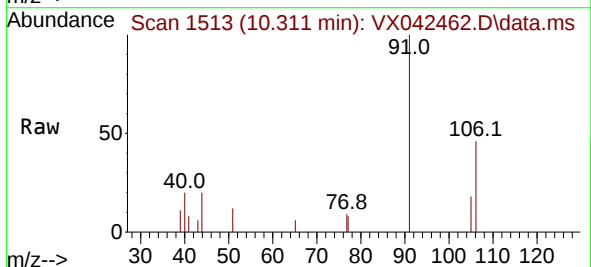
Instrument :
MSVOA_X
ClientSampleId :
002-35th-Ave(July)

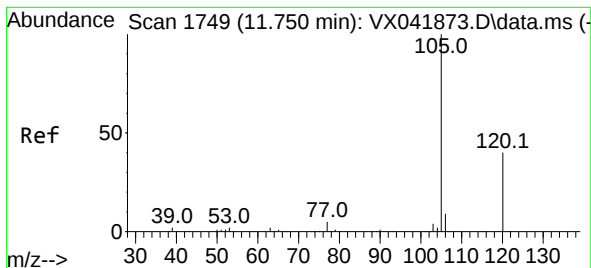
Tgt Ion: 98 Resp: 187372
Ion Ratio Lower Upper
98 100
100 66.5 52.7 79.1



#67
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX042462.D
Acq: 23 Jul 2024 11:06

Tgt Ion:106 Resp: 658
Ion Ratio Lower Upper
106 100
91 231.2 157.0 235.6





#80

1,2,4-Trimethylbenzene

Concen: 0.406 ug/l

RT: 11.762 min Scan# 1751

Delta R.T. 0.012 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

Instrument :

MSVOA_X

ClientSampleId :

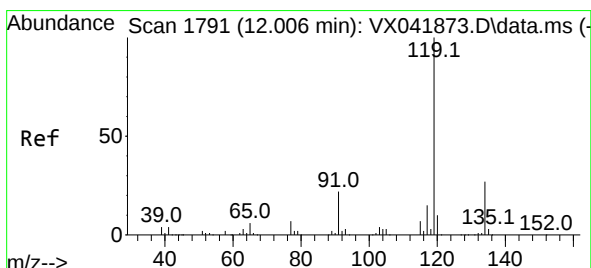
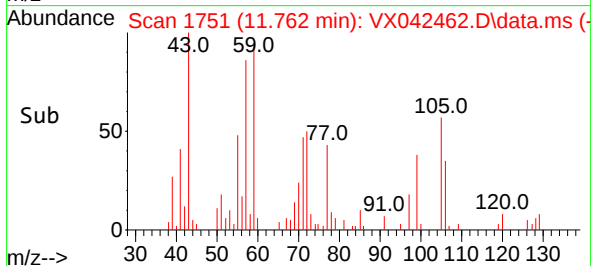
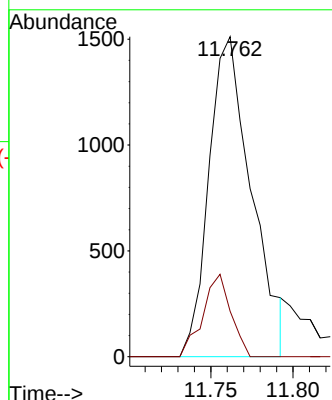
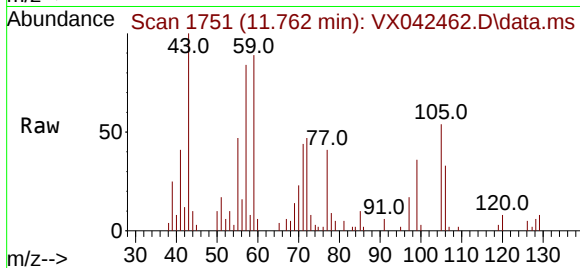
002-35th-Ave(July)

Tgt Ion:105 Resp: 2718

Ion Ratio Lower Upper

105 100

120 17.0 0.0 96.2



#82

p-Isopropyltoluene

Concen: 0.525 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX042462.D

Acq: 23 Jul 2024 11:06

Tgt Ion:119 Resp: 3817

Ion Ratio Lower Upper

119 100

134 26.2 0.0 54.0

91 24.1 0.0 42.2

