

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032776.D
 Acq On : 11 Nov 2022 15:47
 Operator : JC/MD
 Sample : N5559-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 14 05:13:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

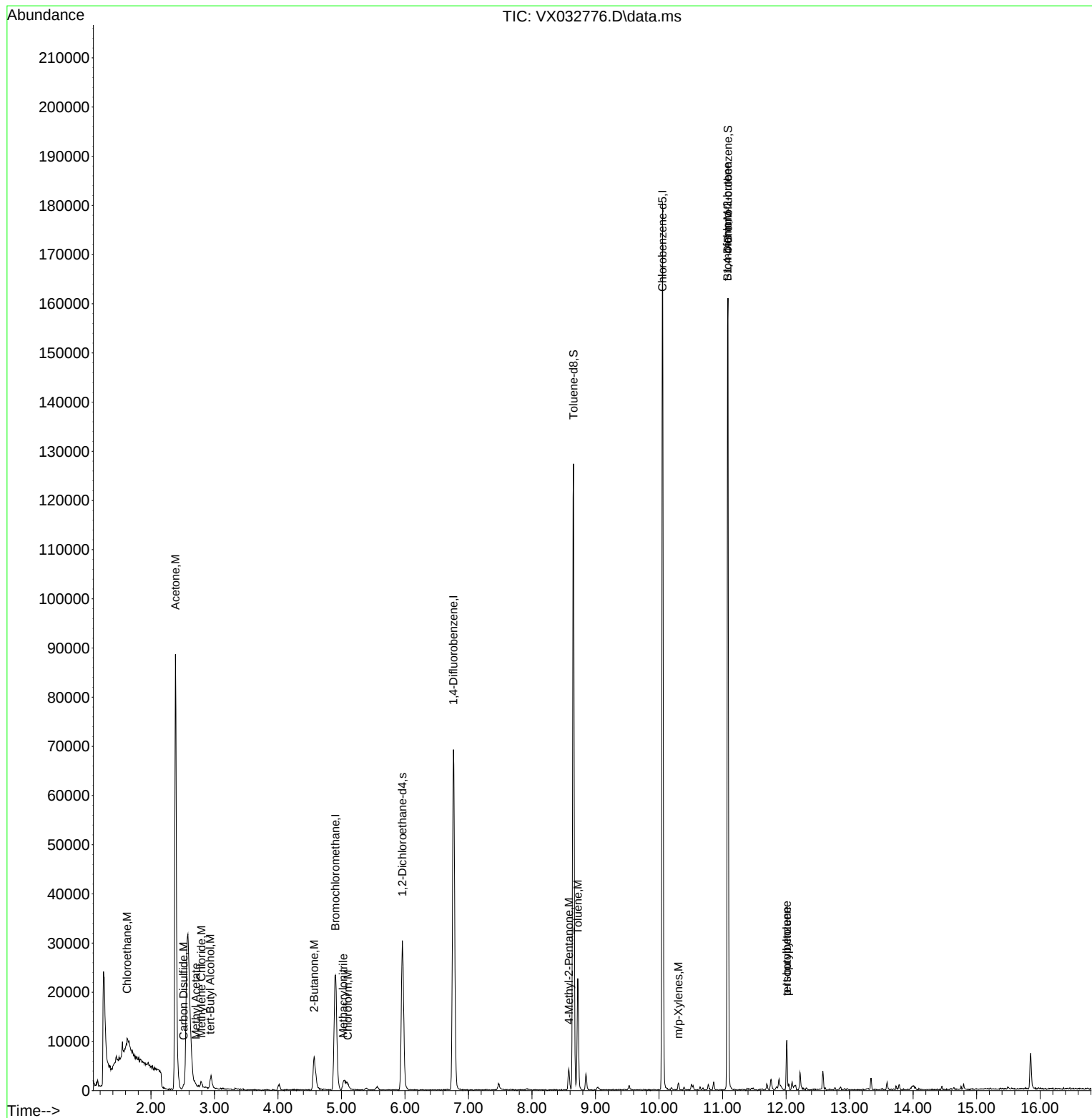
Internal Standards						
1) Bromochloromethane	4.903	128	10220	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	71066	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	76601	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	29880	30.306	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.033%
60) 4-Bromofluorobenzene	11.085	95	40298	27.502	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.667%
63) Toluene-d8	8.653	98	76907	29.750	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.167%
Target Compounds						
					Qvalue	
6) Chloroethane	1.623	64	485	0.605	ug/l #	56
12) Methyl Acetate	2.709	43	430	0.292	ug/l #	44
15) Acetone	2.385	58	29600	215.609	ug/l	81
16) Carbon Disulfide	2.513	76	1154	0.466	ug/l #	93
18) Methylene Chloride	2.794	84	499	0.435	ug/l #	73
23) tert-Butyl Alcohol	2.934	59	695	4.054	ug/l #	100
25) Chloroform	5.098	83	914	0.412	ug/l	92
30) 2-Butanone	4.568	43	11536	15.697	ug/l #	88
35) Methacrylonitrile	5.025	41	186	0.223	ug/l #	35
56) Bromoform	11.079	173	413	0.450	ug/l #	1
58) 4-Methyl-2-Pentanone	8.579	43	2839	1.893	ug/l #	86
62) Toluene	8.720	91	14974	3.006	ug/l	97
67) m/p-Xylenes	10.305	106	468	0.215	ug/l	91
77) t-1,4-Dichloro-2-butene	11.079	75	23137	50.524	ug/l #	8
79) tert-butylbenzene	12.012	119	4559	0.974	ug/l	72
82) p-Isopropyltoluene	12.012	119	4559	0.960	ug/l	95

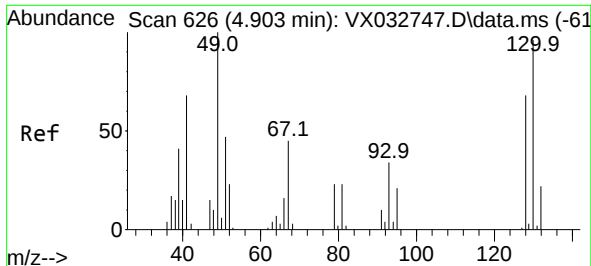
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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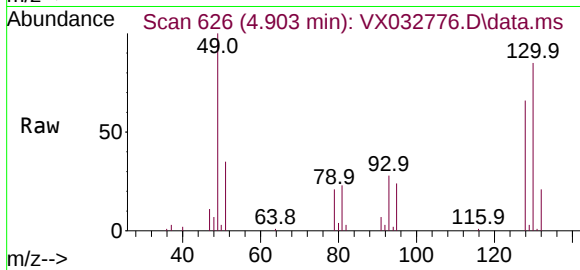
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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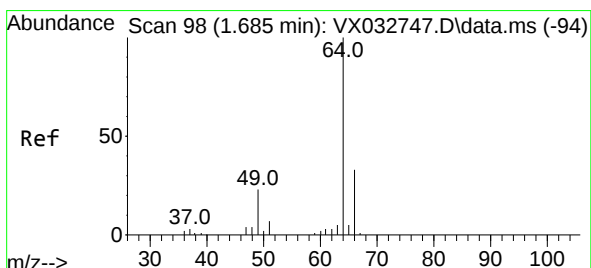
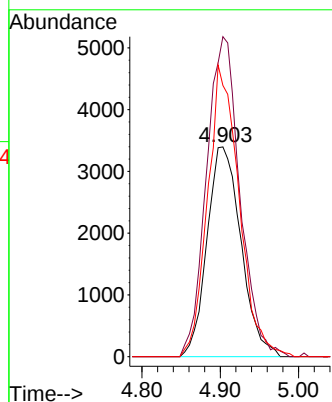
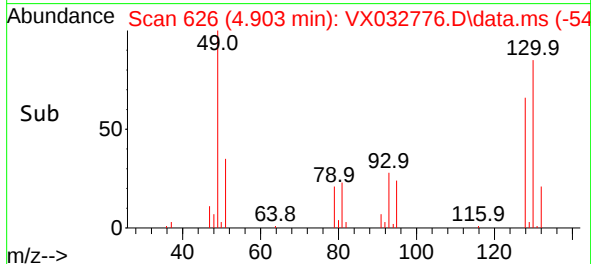


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

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

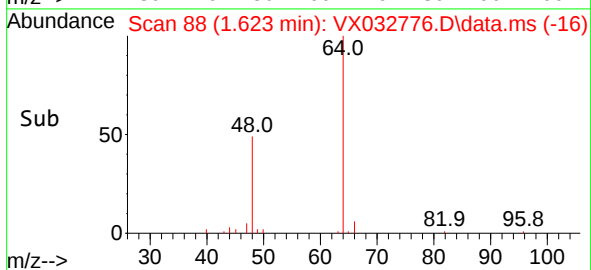
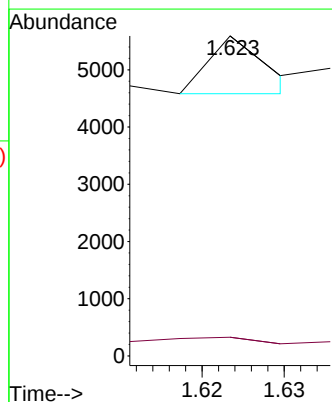
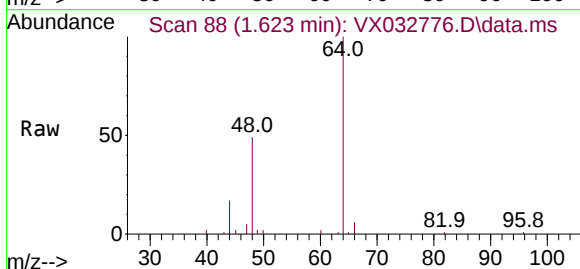


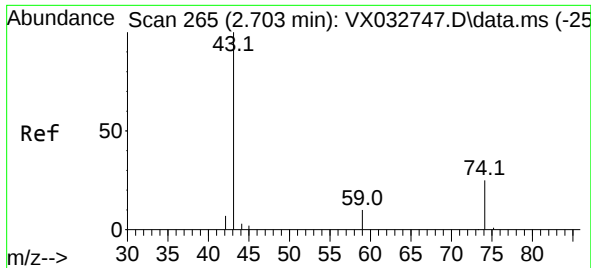
Tgt Ion:128 Resp: 10220
Ion Ratio Lower Upper
128 100
49 149.5 0.0 293.0
130 129.1 0.0 321.5



#6
Chloroethane
Concen: 0.605 ug/l
RT: 1.623 min Scan# 88
Delta R.T. -0.061 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 64 Resp: 485
Ion Ratio Lower Upper
64 100
66 11.4 30.6 46.0#

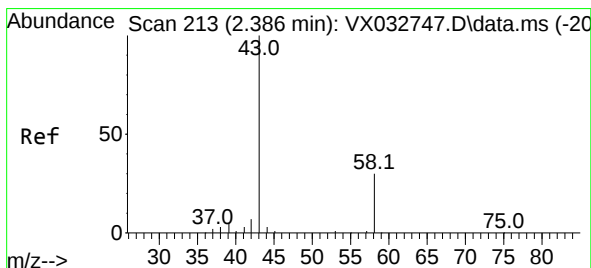
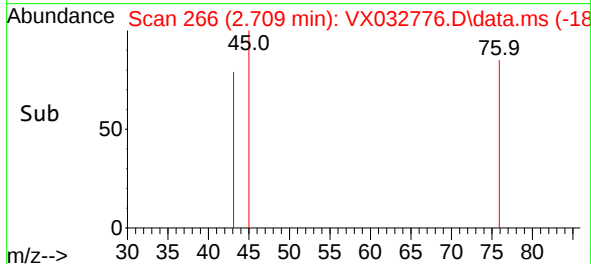
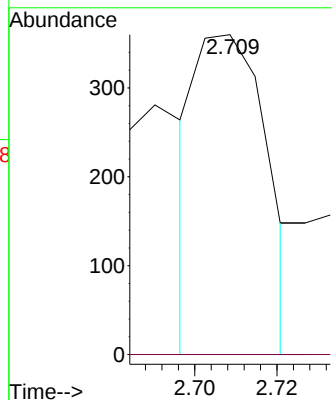
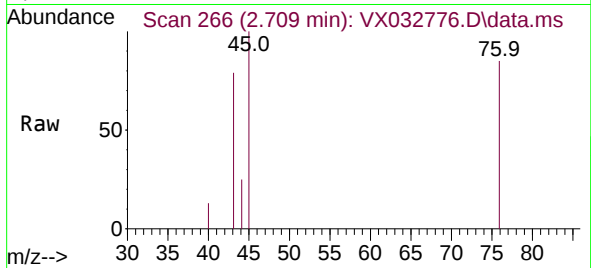




#12
Methyl Acetate
Concen: 0.292 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

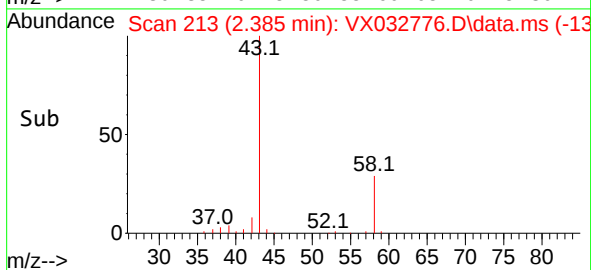
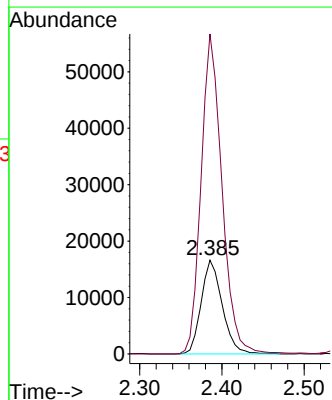
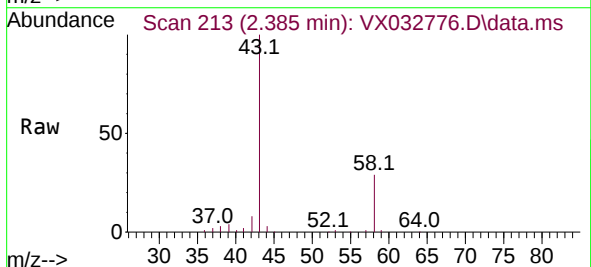
Instrument :
MSVOA_X
ClientSampleId :
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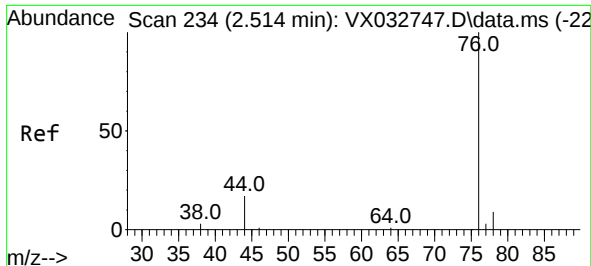
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
74 0.0 24.8 37.2#



#15
Acetone
Concen: 215.609 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 58 Resp: 29600
Ion Ratio Lower Upper
58 100
43 340.6 242.6 364.0

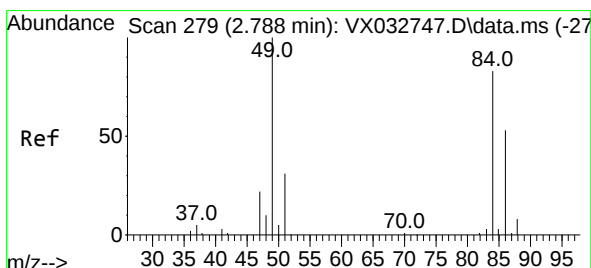
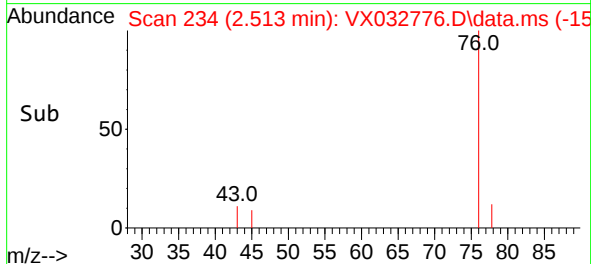
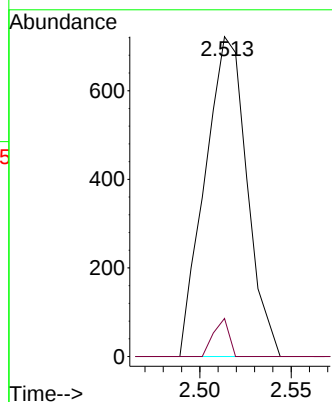
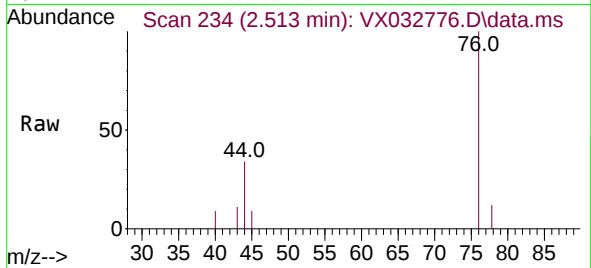




#16
Carbon Disulfide
Concen: 0.466 ug/l
RT: 2.513 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

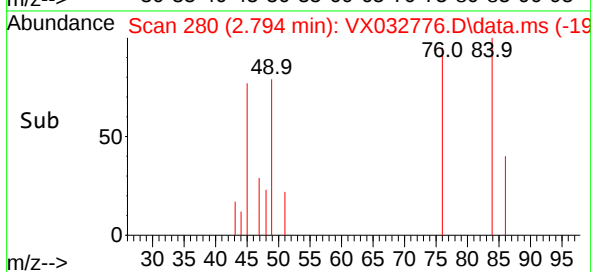
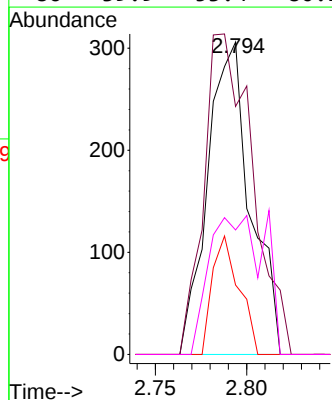
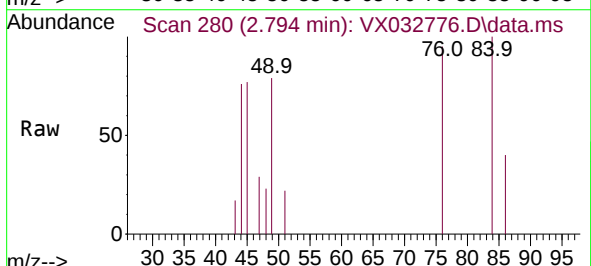
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(NOV)

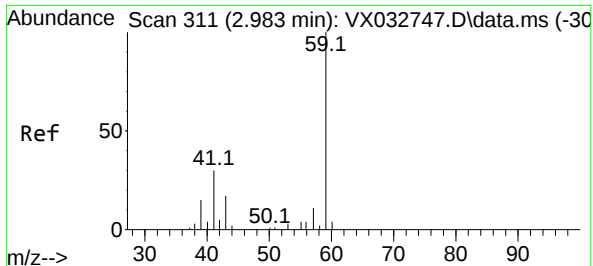
Tgt Ion: 76 Resp: 1154
Ion Ratio Lower Upper
76 100
78 11.9 7.5 11.3#



#18
Methylene Chloride
Concen: 0.435 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 84 Resp: 499
Ion Ratio Lower Upper
84 100
49 79.4 84.6 127.0#
51 22.2 26.5 39.7#
86 39.9 53.4 80.2#

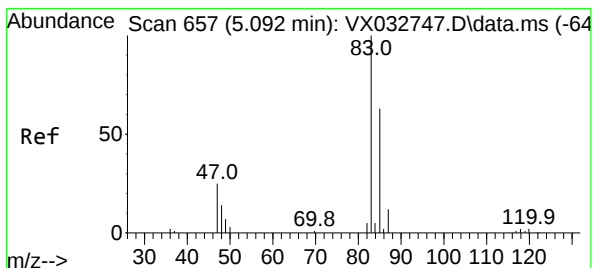
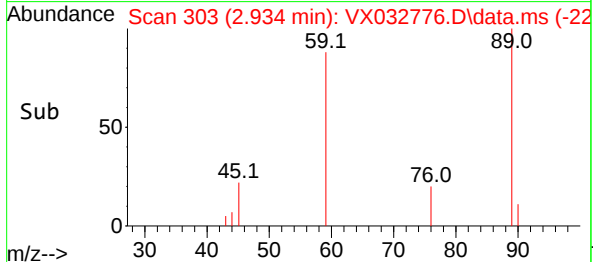
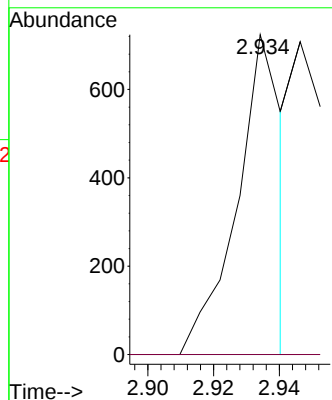
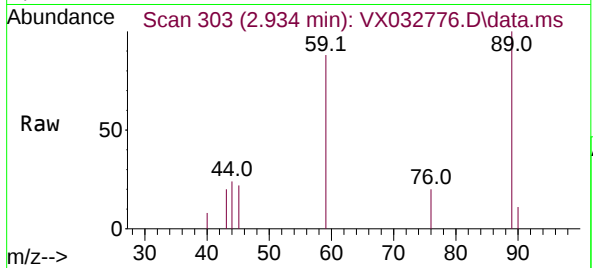




#23
tert-Butyl Alcohol
Concen: 4.054 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

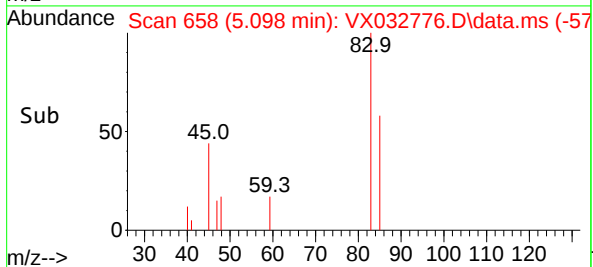
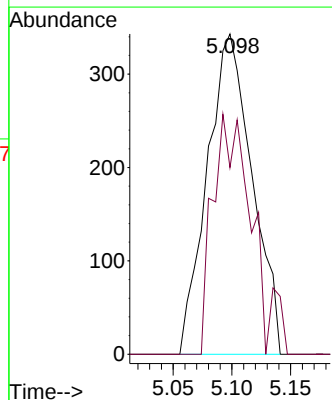
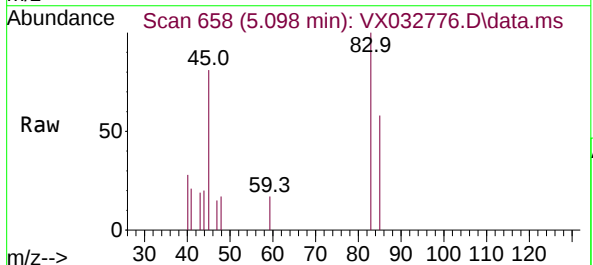
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(NOV)

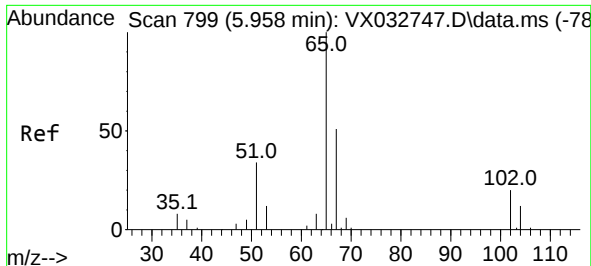
Tgt Ion: 59 Resp: 695
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.412 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 83 Resp: 914
Ion Ratio Lower Upper
83 100
85 58.3 51.4 77.0





#27

1,2-Dichloroethane-d4

Concen: 30.306 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX032776.D

Acq: 11 Nov 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

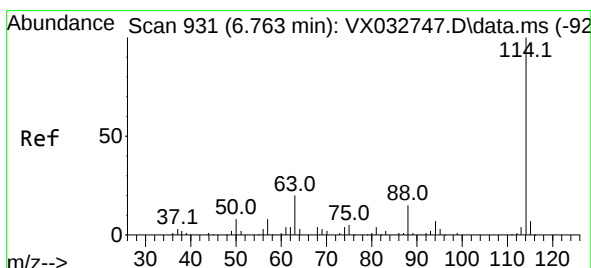
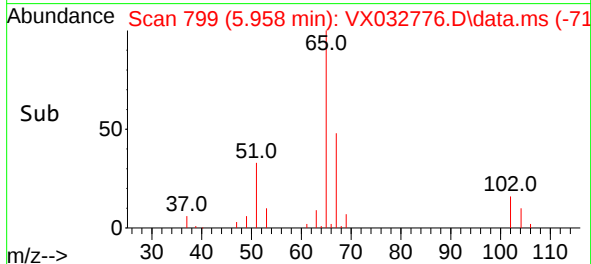
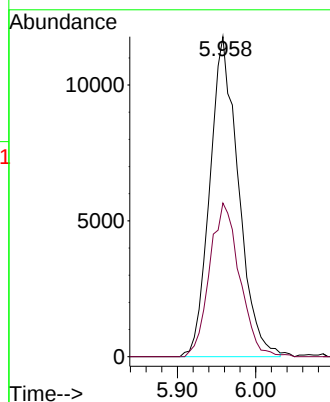
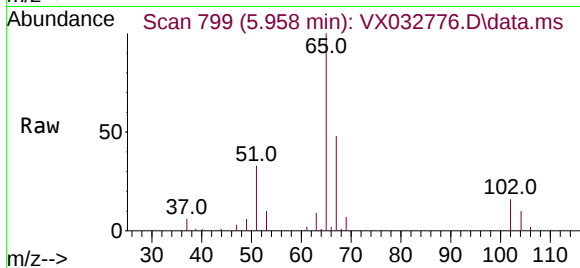
002-35TH-AVE(NOV)

Tgt Ion: 65 Resp: 29880

Ion Ratio Lower Upper

65 100

67 50.3 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032776.D

Acq: 11 Nov 2022 15:47

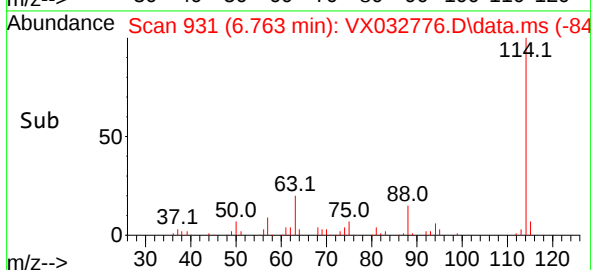
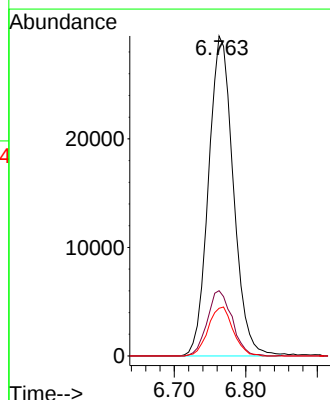
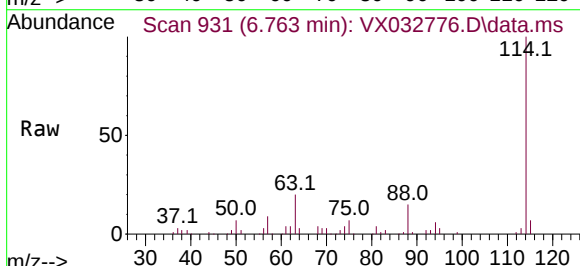
Tgt Ion: 114 Resp: 71066

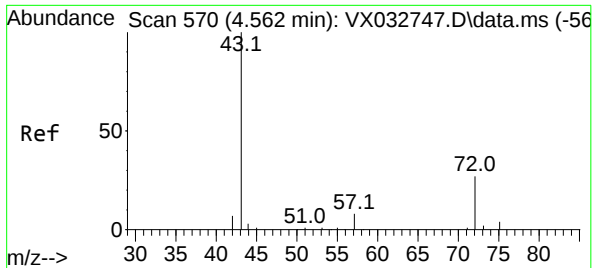
Ion Ratio Lower Upper

114 100

63 20.3 13.6 20.4

88 15.3 11.8 17.6

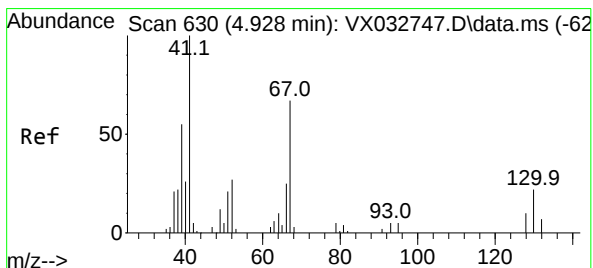
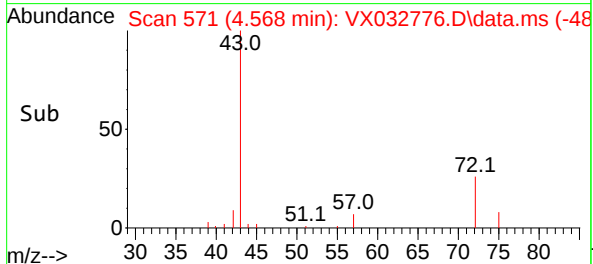
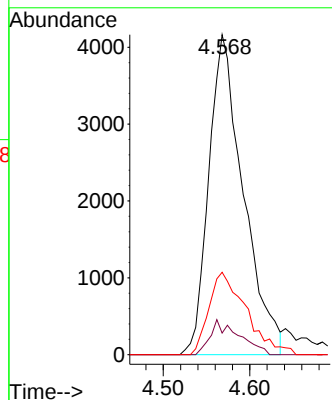
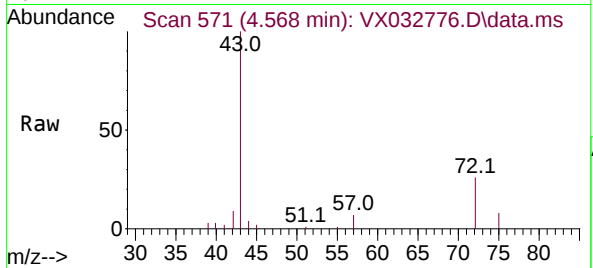




#30
2-Butanone
Concen: 15.697 ug/l
RT: 4.568 min Scan# 511
Delta R.T. 0.006 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

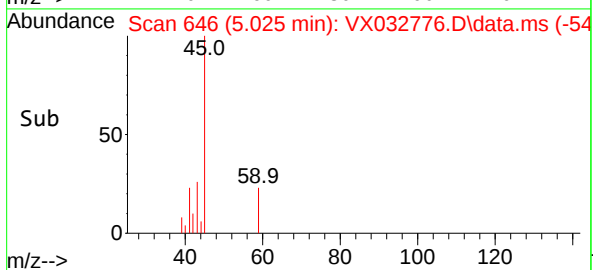
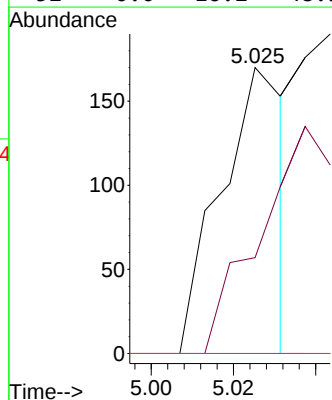
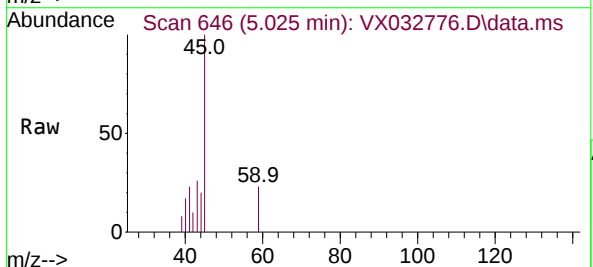
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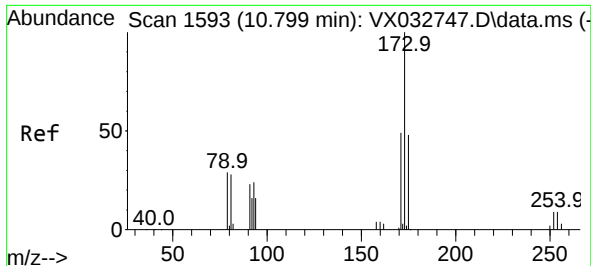
Tgt Ion: 43 Resp: 11536
Ion Ratio Lower Upper
43 100
57 3.9 7.5 11.3#
72 27.0 26.6 39.8



#35
Methacrylonitrile
Concen: 0.223 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.097 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 41 Resp: 186
Ion Ratio Lower Upper
41 100
39 33.5 26.9 80.7
67 0.0 40.6 121.8#
52 0.0 16.2 48.5#

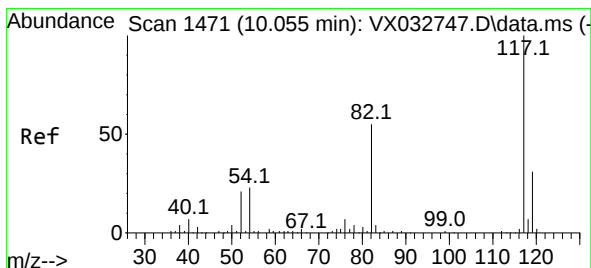
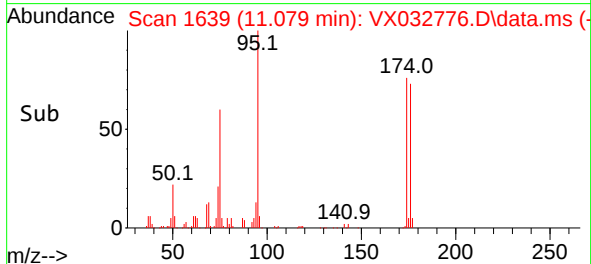
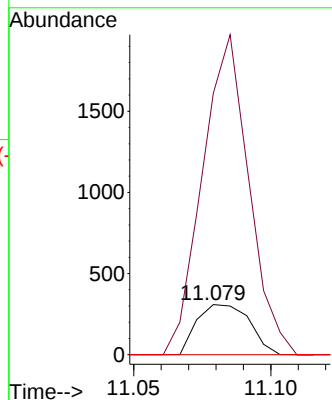
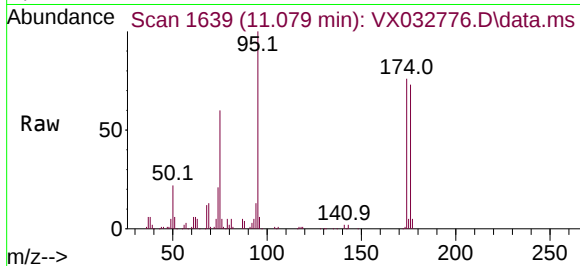




#56
Bromoform
Concen: 0.450 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

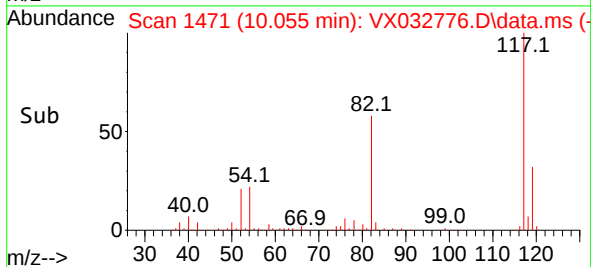
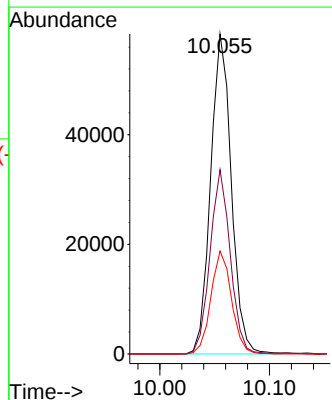
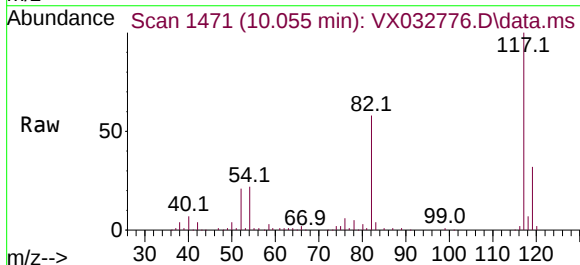
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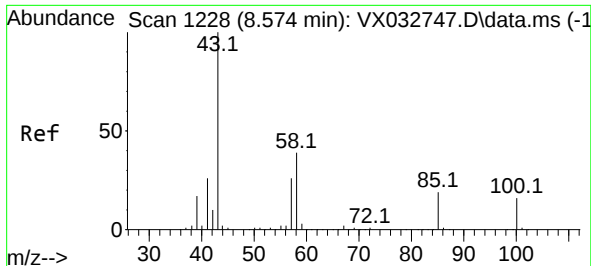
Tgt Ion:173 Resp: 413
Ion Ratio Lower Upper
173 100
175 563.0 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion:117 Resp: 76601
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.0 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 1.893 ug/l

RT: 8.579 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX032776.D

Acq: 11 Nov 2022 15:47

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE(NOV)

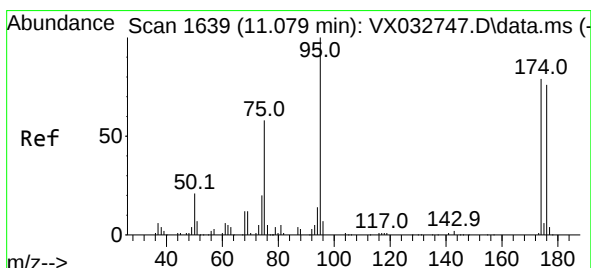
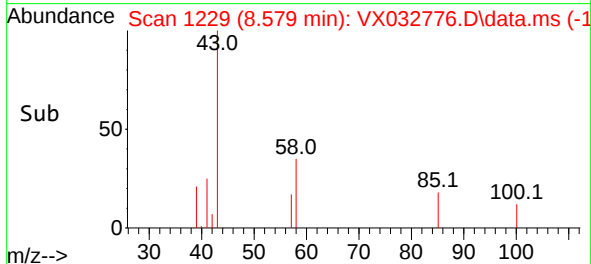
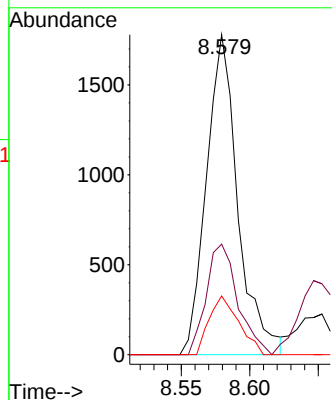
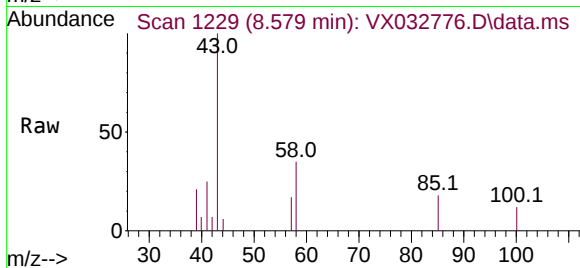
Tgt Ion: 43 Resp: 2839

Ion Ratio Lower Upper

43 100

58 34.6 34.9 52.3#

85 17.3 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.502 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX032776.D

Acq: 11 Nov 2022 15:47

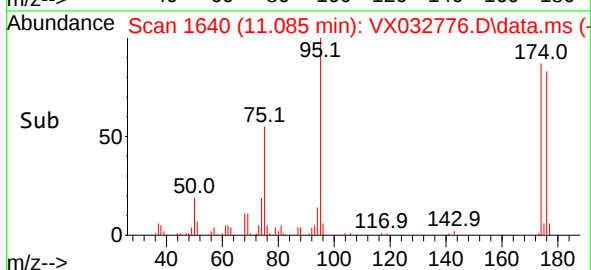
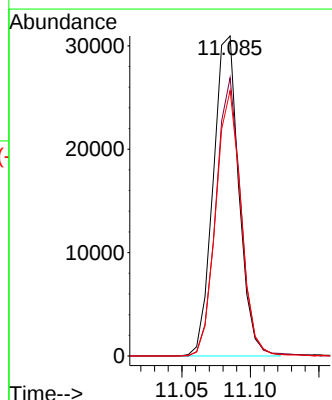
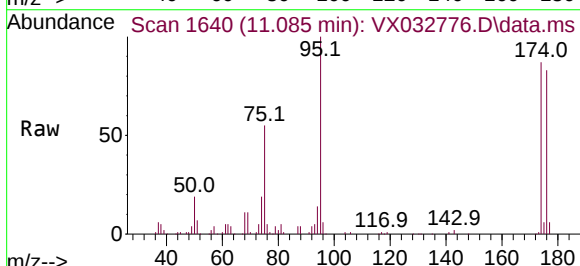
Tgt Ion: 95 Resp: 40298

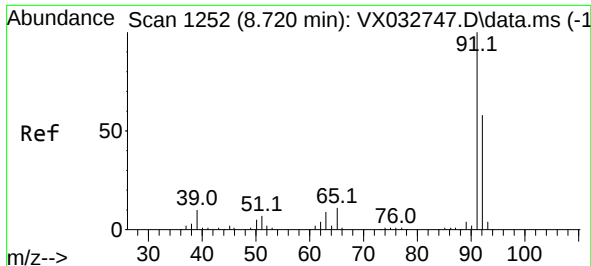
Ion Ratio Lower Upper

95 100

174 83.9 68.2 102.2

176 81.5 68.1 102.1

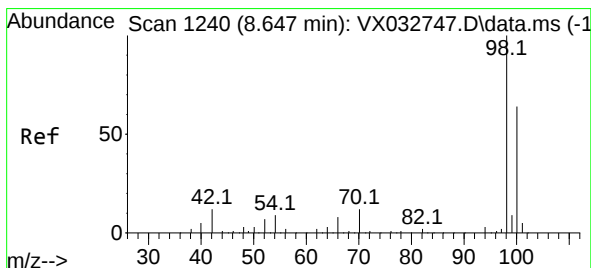
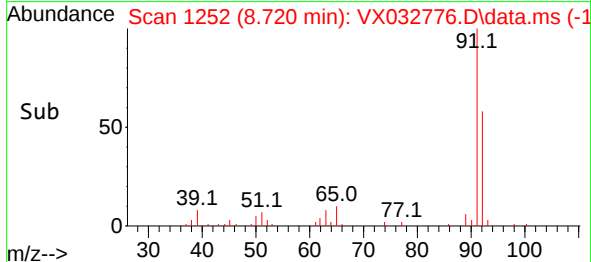
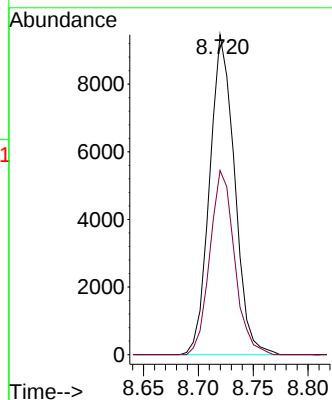
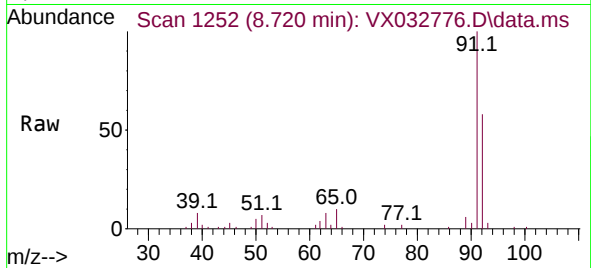




#62
Toluene
Concen: 3.006 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

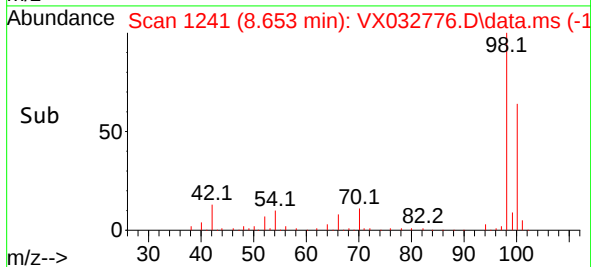
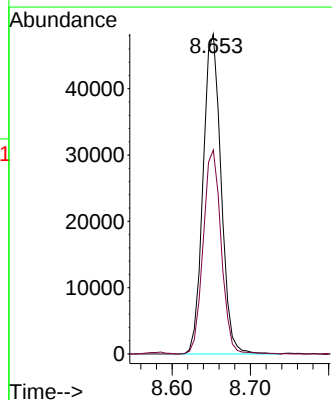
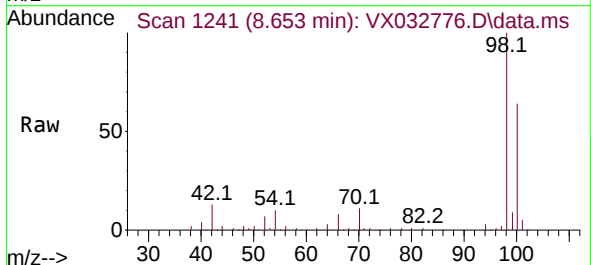
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(NOV)

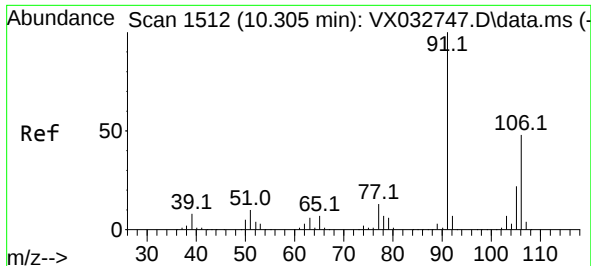
Tgt Ion: 91 Resp: 14974
Ion Ratio Lower Upper
91 100
92 57.0 47.3 70.9



#63
Toluene-d8
Concen: 29.750 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 98 Resp: 76907
Ion Ratio Lower Upper
98 100
100 63.5 53.8 80.8

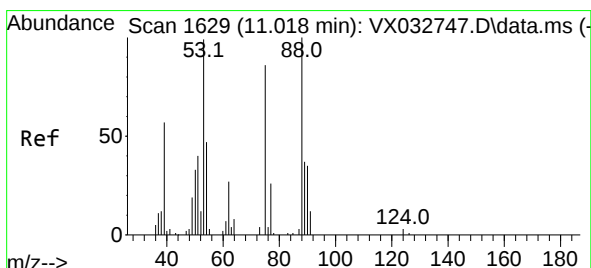
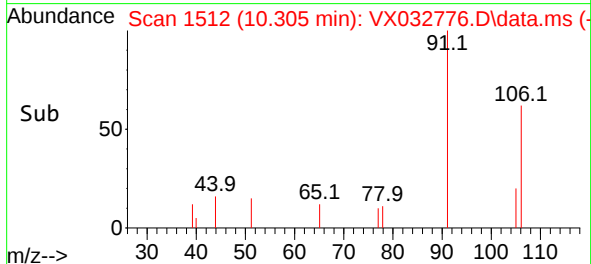
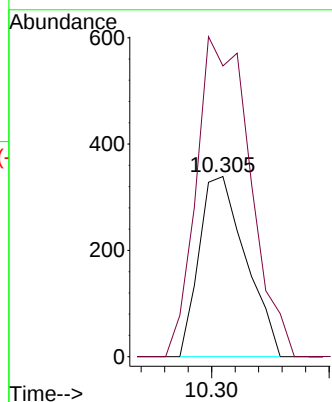
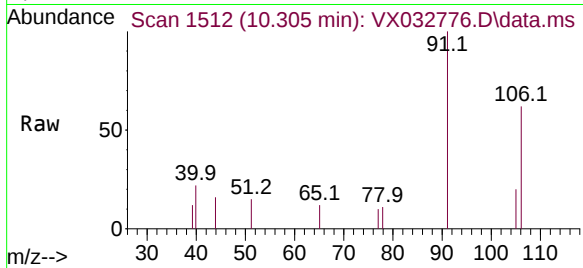




#67
m/p-Xylenes
Concen: 0.215 ug/l
RT: 10.305 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

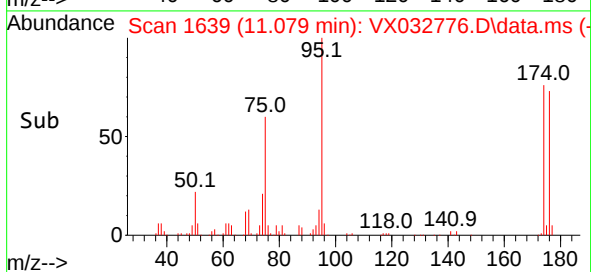
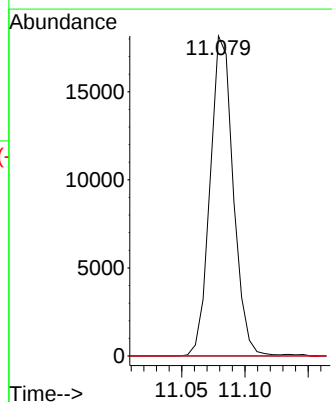
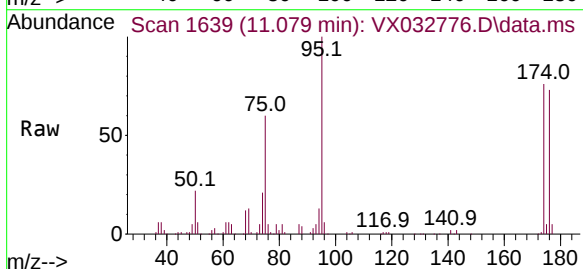
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE(NOV)

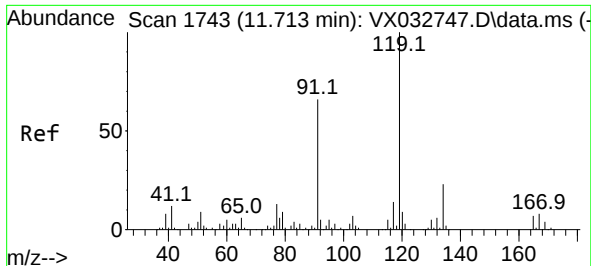
Tgt Ion:106 Resp: 468
Ion Ratio Lower Upper
106 100
91 203.8 152.3 228.5



#77
t-1,4-Dichloro-2-butene
Concen: 50.524 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion: 75 Resp: 23137
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

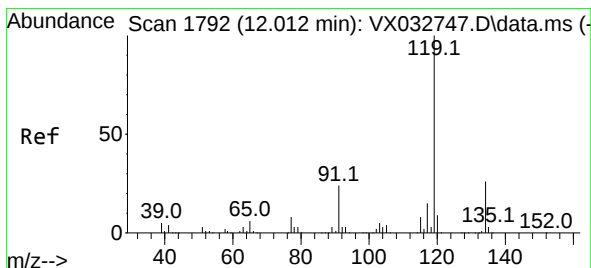
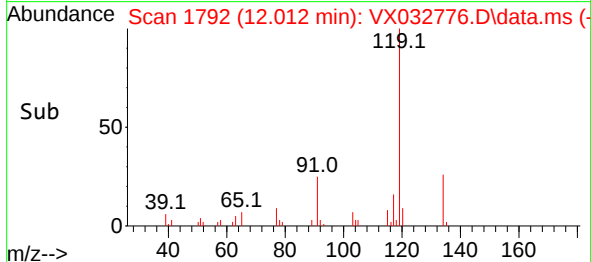
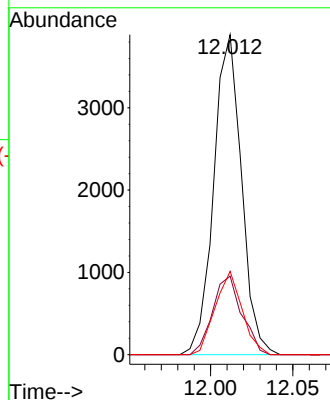
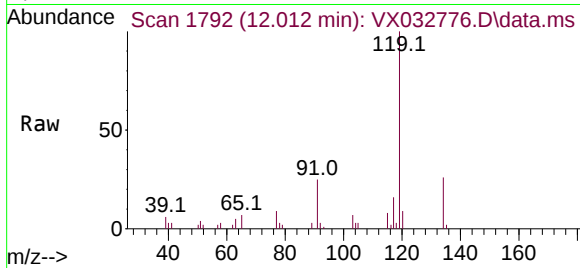




#79
tert-butylbenzene
Concen: 0.974 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.299 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

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

Tgt Ion:119 Resp: 4559
Ion Ratio Lower Upper
119 100
91 25.9 0.0 112.0
134 25.4 0.0 51.0



#82
p-Isopropyltoluene
Concen: 0.960 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX032776.D
Acq: 11 Nov 2022 15:47

Tgt Ion:119 Resp: 4559
Ion Ratio Lower Upper
119 100
134 25.4 0.0 55.4
91 25.9 0.0 45.6

