

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029976.D
 Acq On : 08 Jul 2022 16:28
 Operator : JC/MD
 Sample : N3621-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20220706

Quant Time: Jul 09 02:19:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

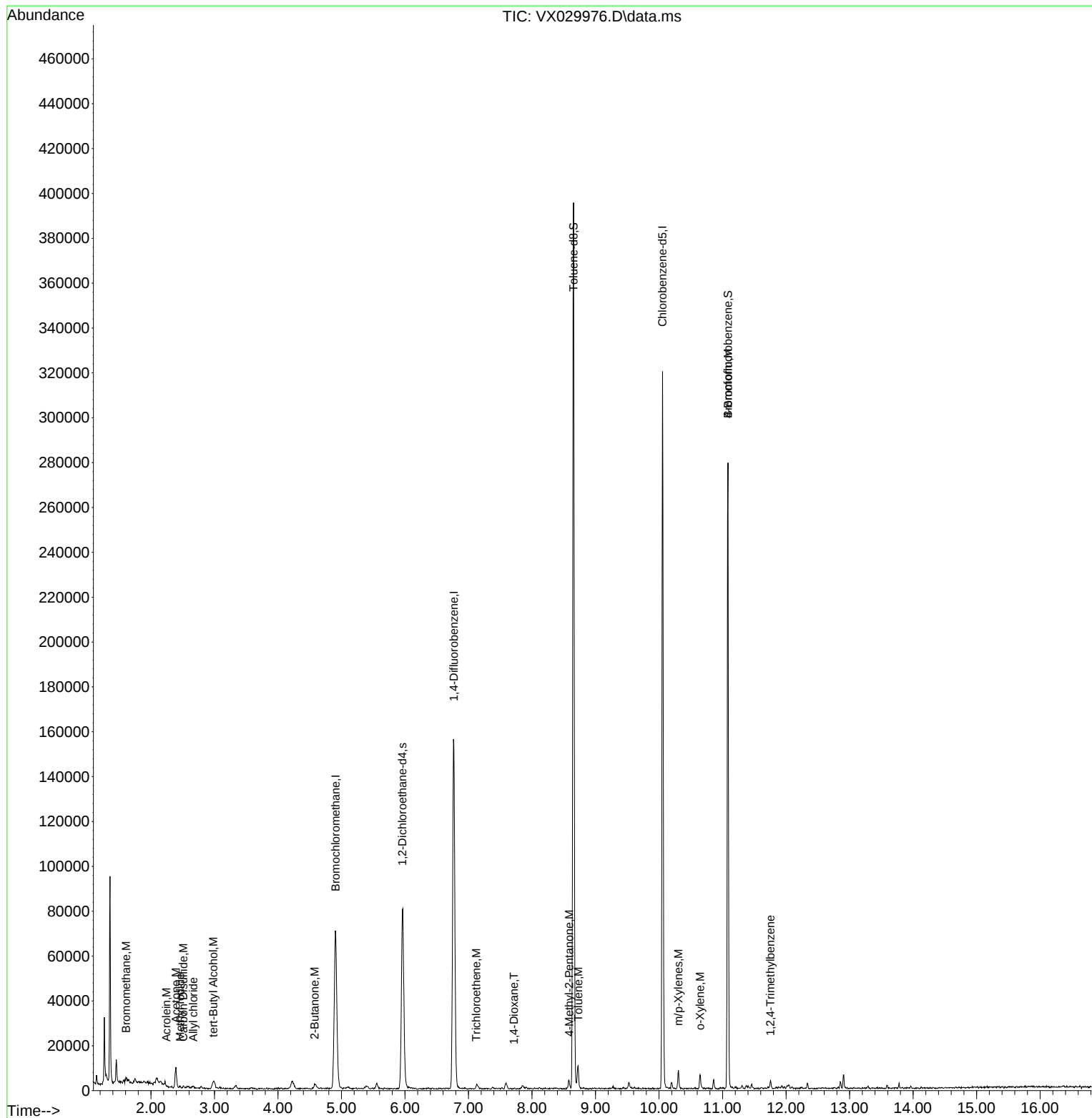
Internal Standards						
1) Bromochloromethane	4.910	128	30886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	169249	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147136	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	71430	28.362	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.533%
60) 4-Bromofluorobenzene	11.085	95	75100	27.084	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.267%
63) Toluene-d8	8.653	98	239323	29.996	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.000%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	340	0.331	ug/l #	41
11) Methyl Iodide	2.459	142	613	9.130	ug/l #	87
13) Acrolein	2.239	56	126	0.303	ug/l #	63
15) Acetone	2.392	58	3201	7.730	ug/l	99
16) Carbon Disulfide	2.508	76	1492	0.263	ug/l #	91
17) Allyl chloride	2.666	41	1263	0.330	ug/l #	37
23) tert-Butyl Alcohol	2.983	59	4216	6.037	ug/l #	100
30) 2-Butanone	4.574	43	1564	0.800	ug/l #	56
37) Trichloroethene	7.123	130	660	0.265	ug/l #	2
45) 1,4-Dioxane	7.714	88	59	0.899	ug/l #	23
56) Bromoform	11.085	173	733	0.476	ug/l #	1
58) 4-Methyl-2-Pentanone	8.586	43	2435	0.670	ug/l	98
62) Toluene	8.726	91	6664	0.681	ug/l	99
67) m/p-Xylenes	10.305	106	1824	0.452	ug/l	96
68) o-Xylene	10.646	106	1261	0.314	ug/l	86
80) 1,2,4-Trimethylbenzene	11.756	105	1759	0.201	ug/l	98

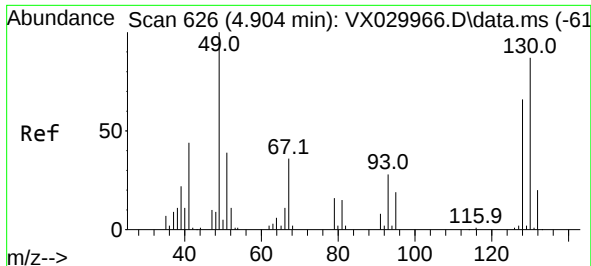
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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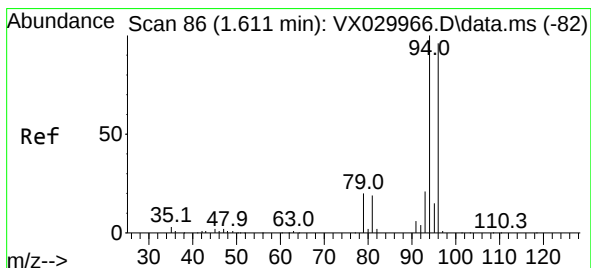
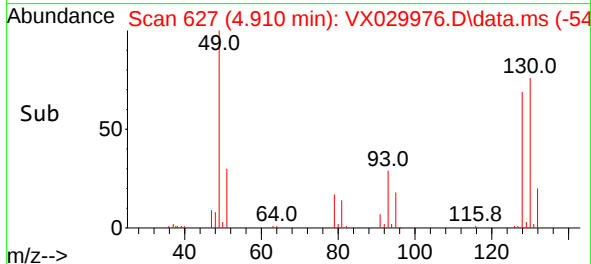
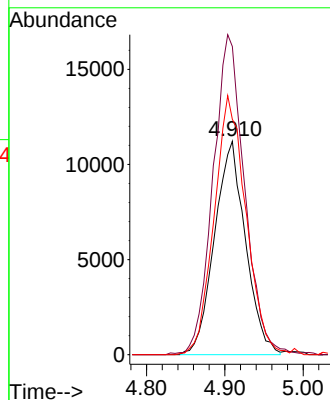
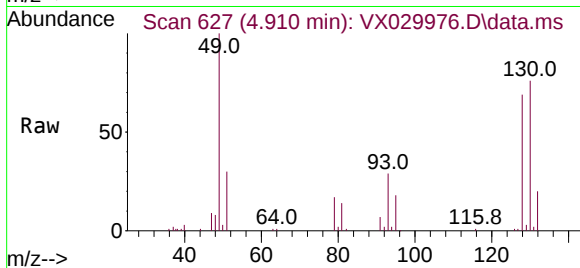




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

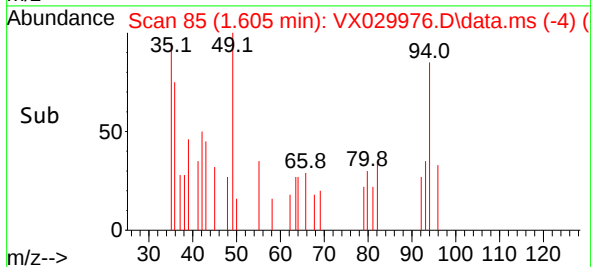
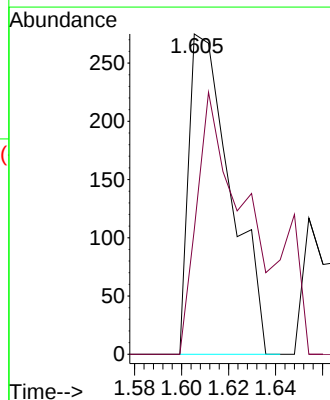
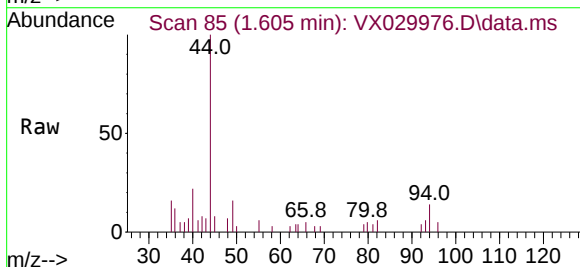
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

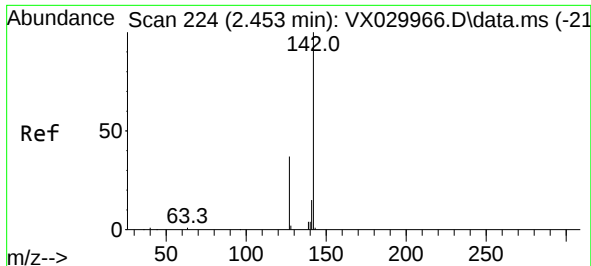
Tgt Ion:128 Resp: 30886
Ion Ratio Lower Upper
128 100
49 152.7 0.0 358.3
130 124.5 0.0 319.3



#5
Bromomethane
Concen: 0.331 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion: 94 Resp: 340
Ion Ratio Lower Upper
94 100
96 38.9 77.0 115.6#

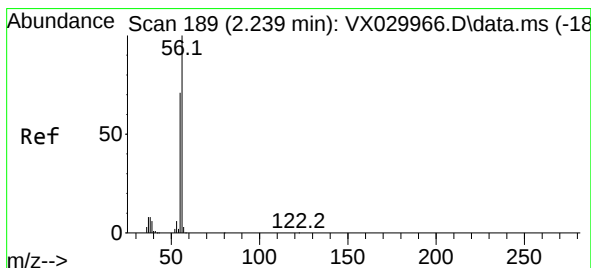
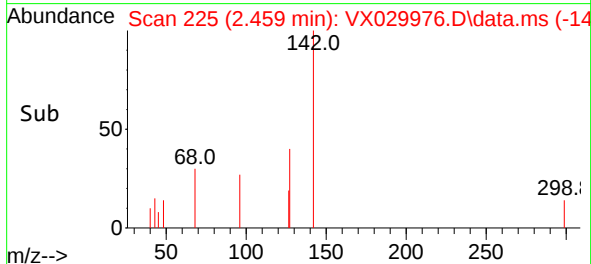
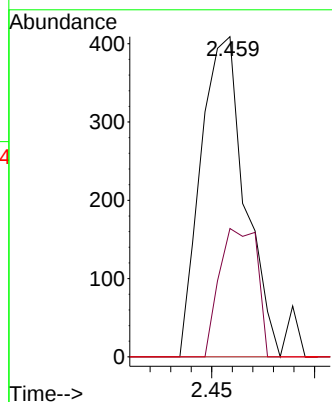
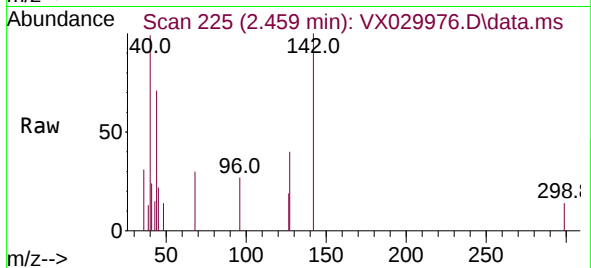




#11
Methyl Iodide
Concen: 9.130 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

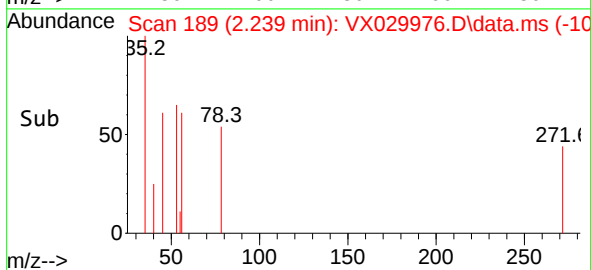
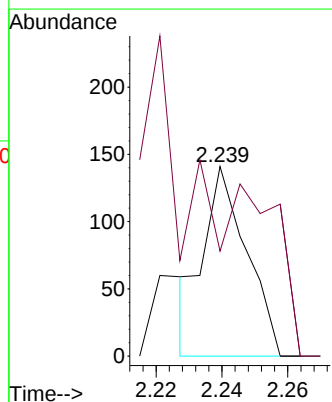
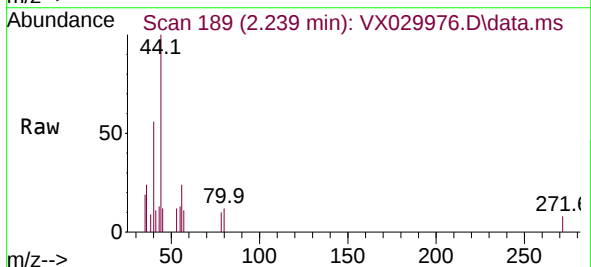
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

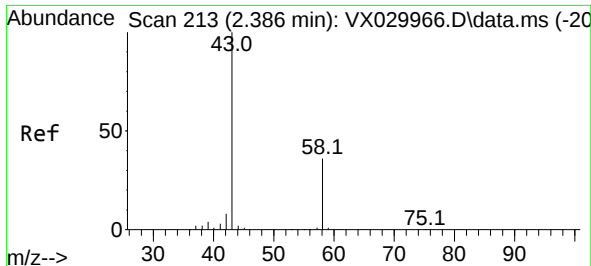
Tgt Ion:142 Resp: 613
Ion Ratio Lower Upper
142 100
127 40.1 22.3 66.9
141 0.0 7.0 20.9#



#13
Acrolein
Concen: 0.303 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion: 56 Resp: 126
Ion Ratio Lower Upper
56 100
55 100.8 56.4 84.6#





#15

Acetone

Concen: 7.730 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX029976.D

Acq: 08 Jul 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

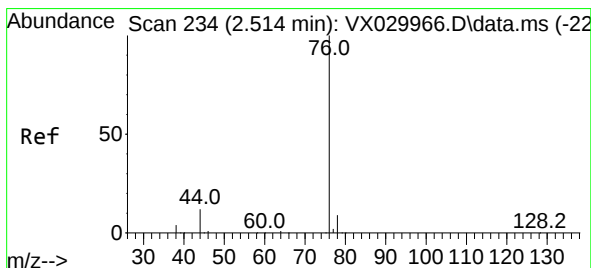
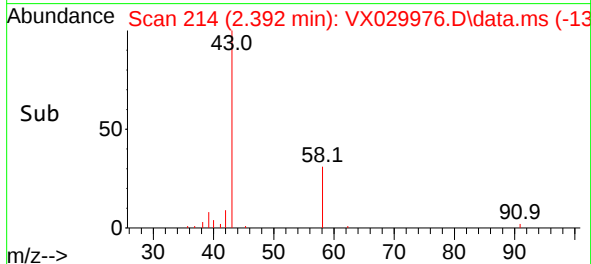
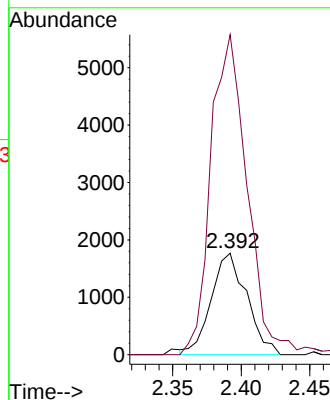
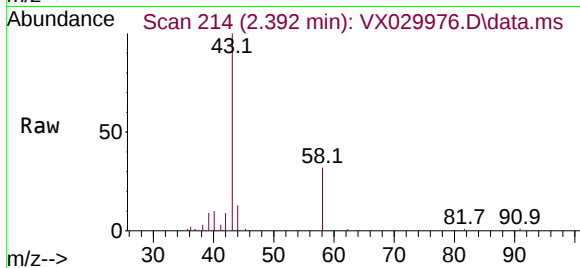
TT-TB-20220706

Tgt Ion: 58 Resp: 3201

Ion Ratio Lower Upper

58 100

43 315.5 250.2 375.2



#16

Carbon Disulfide

Concen: 0.263 ug/l

RT: 2.508 min Scan# 233

Delta R.T. -0.006 min

Lab File: VX029976.D

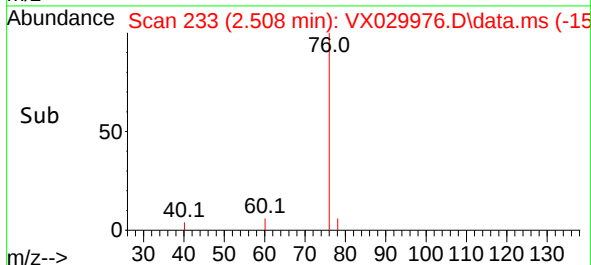
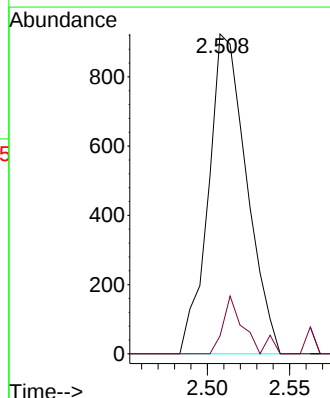
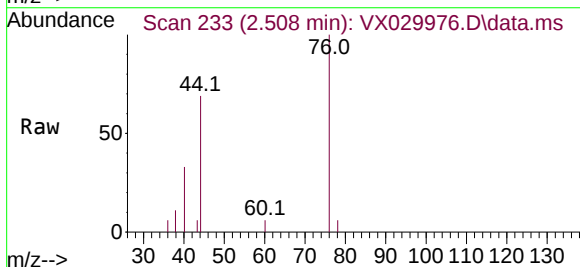
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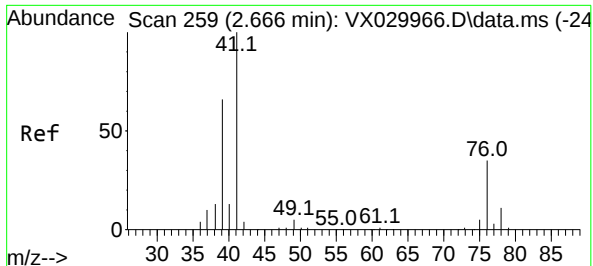
Tgt Ion: 76 Resp: 1492

Ion Ratio Lower Upper

76 100

78 5.6 7.1 10.7#





#17

Allyl chloride

Concen: 0.330 ug/l

RT: 2.666 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX029976.D

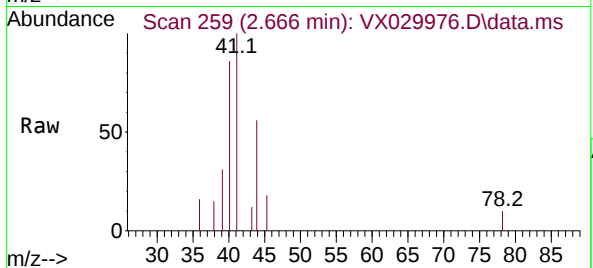
Acq: 08 Jul 2022 16:28

Instrument :

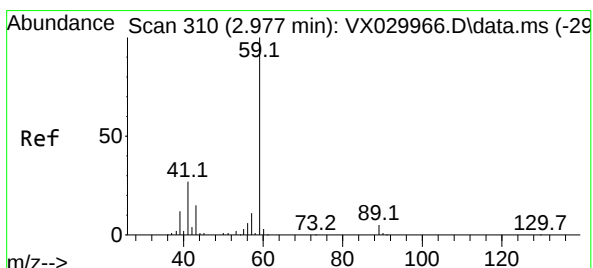
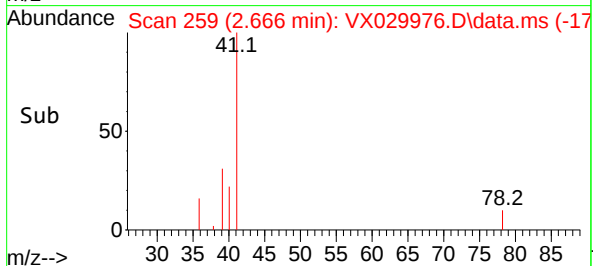
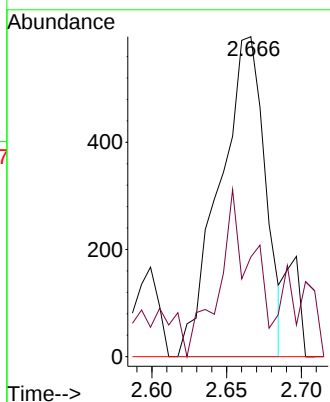
MSVOA_X

ClientSampleId :

TT-TB-20220706



Tgt Ion: 41	Resp: 1263
Ion Ratio	Lower Upper
41	100
39	18.1 35.4 106.1#
76	0.0 18.4 55.4#



#23

tert-Butyl Alcohol

Concen: 6.037 ug/l

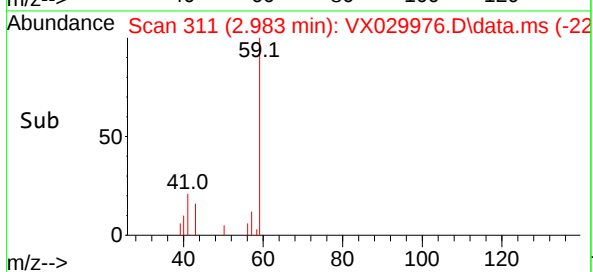
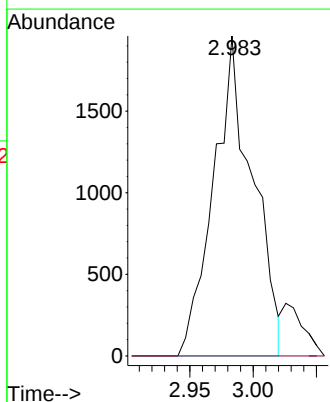
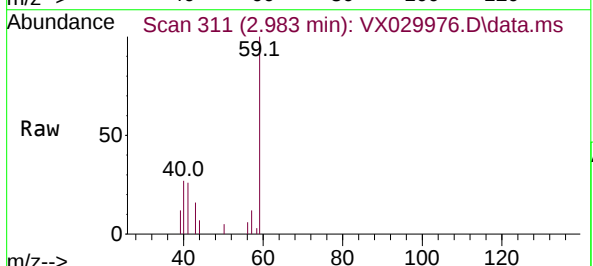
RT: 2.983 min Scan# 311

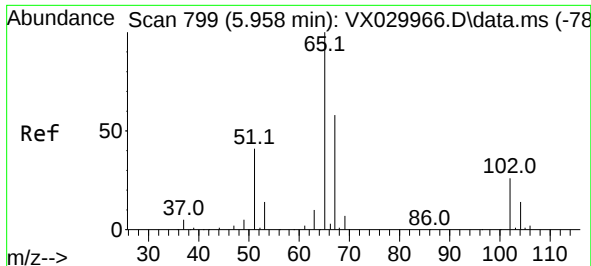
Delta R.T. 0.006 min

Lab File: VX029976.D

Acq: 08 Jul 2022 16:28

Tgt Ion: 59	Resp: 4216
Ion Ratio	Lower Upper
59	100
52	0.0 0.0 0.0

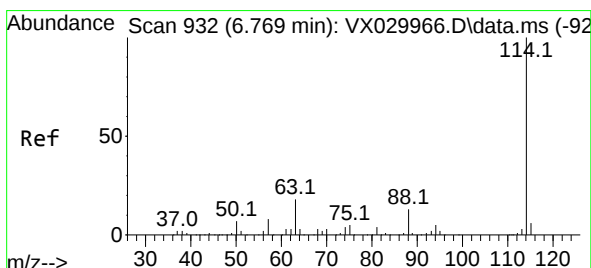
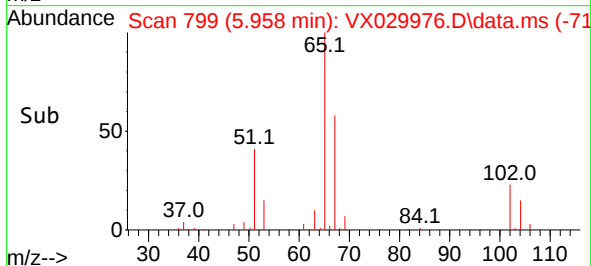
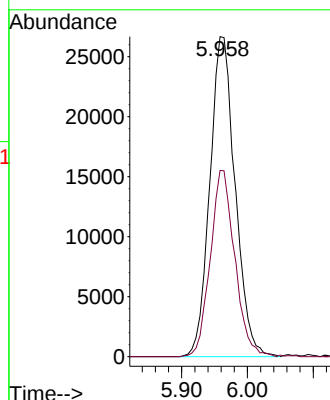
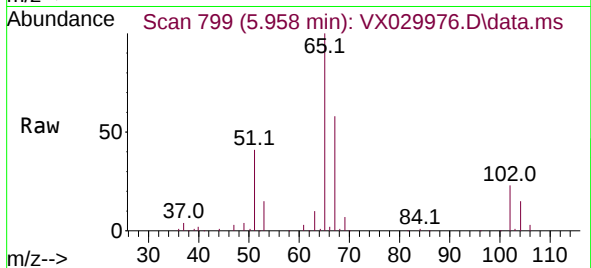




#27
 1,2-Dichloroethane-d4
 Concen: 28.362 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX029976.D
 Acq: 08 Jul 2022 16:28

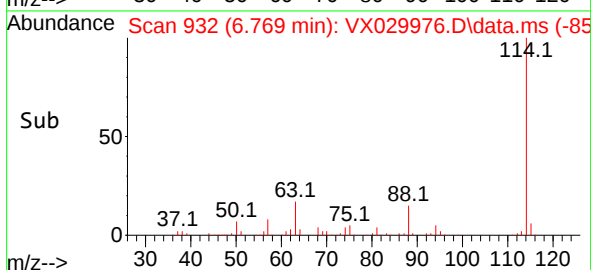
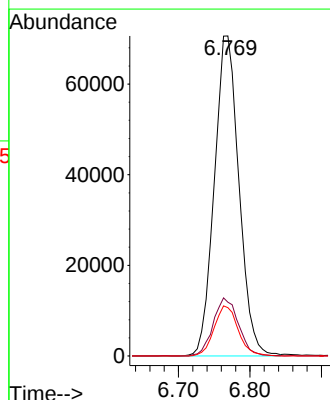
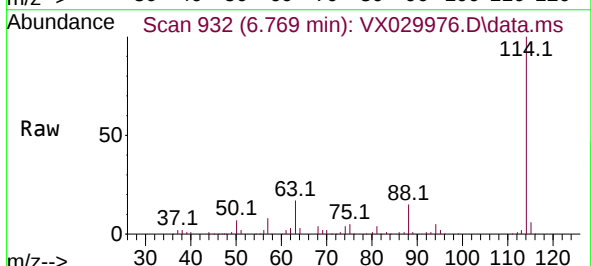
Instrument :
 MSVOA_X
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 TT-TB-20220706

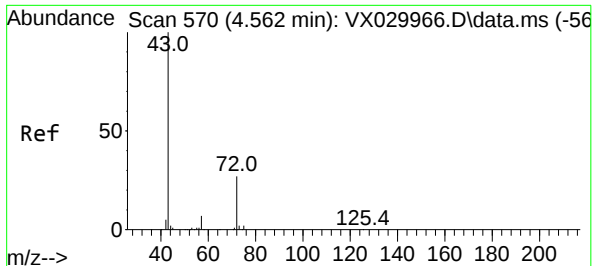
Tgt Ion: 65 Resp: 71430
 Ion Ratio Lower Upper
 65 100
 67 56.3 42.3 63.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX029976.D
 Acq: 08 Jul 2022 16:28

Tgt Ion: 114 Resp: 169249
 Ion Ratio Lower Upper
 114 100
 63 18.5 15.3 22.9
 88 15.2 12.2 18.4





#30

2-Butanone

Concen: 0.800 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029976.D

Acq: 08 Jul 2022 16:28

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20220706

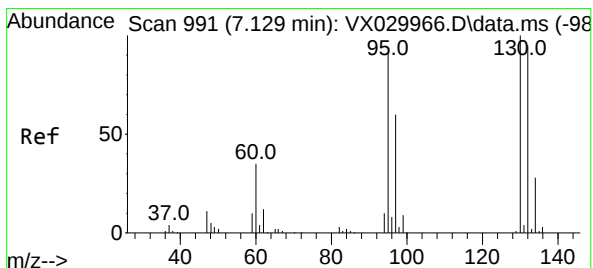
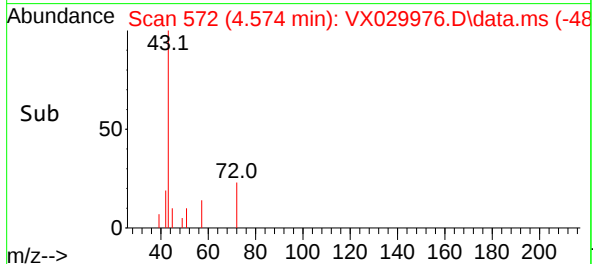
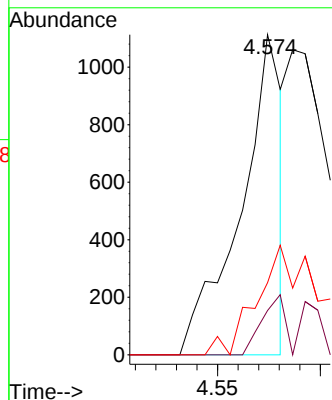
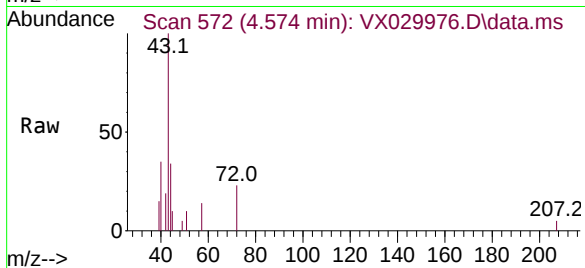
Tgt Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 1.5 22.1 33.1#



#37

Trichloroethene

Concen: 0.265 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX029976.D

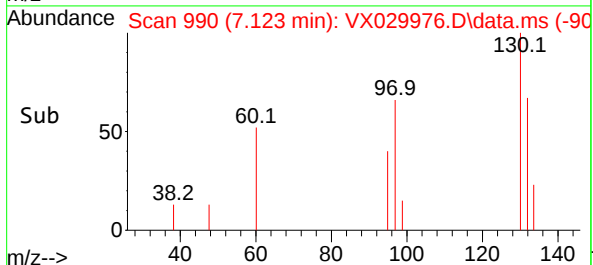
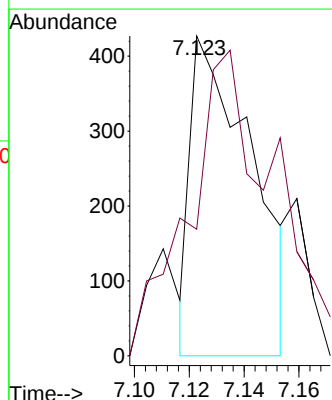
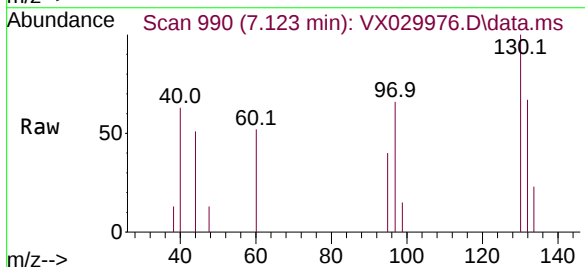
Acq: 08 Jul 2022 16:28

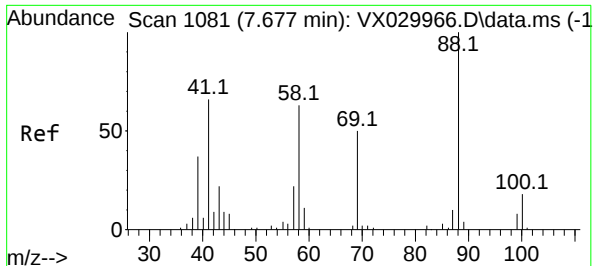
Tgt Ion: 130 Resp: 660

Ion Ratio Lower Upper

130 100

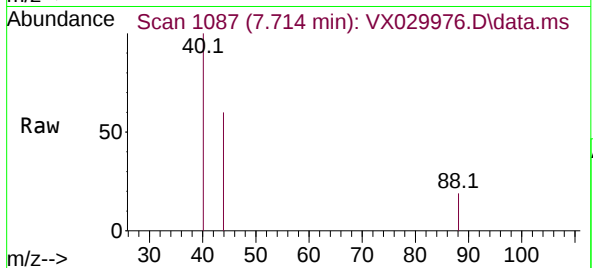
95 0.0 76.5 114.7#



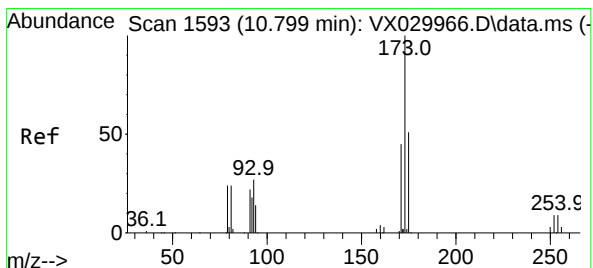
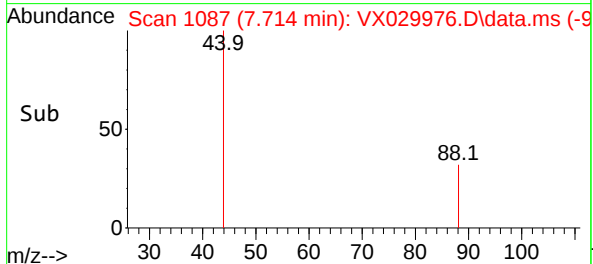
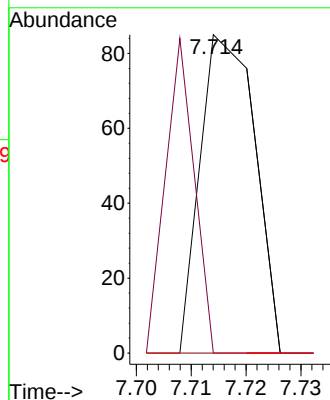


#45
1,4-Dioxane
Concen: 0.899 ug/l
RT: 7.714 min Scan# 1081
Delta R.T. 0.037 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

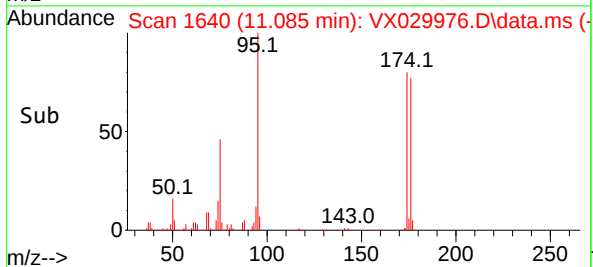
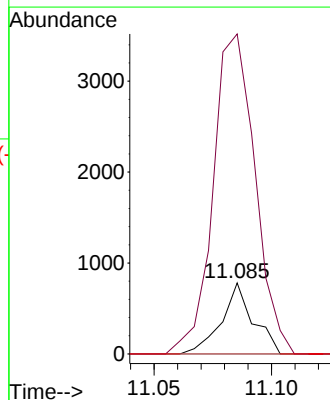
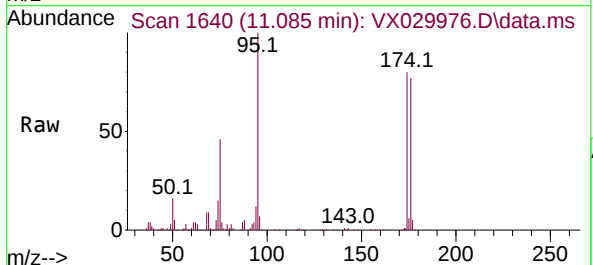


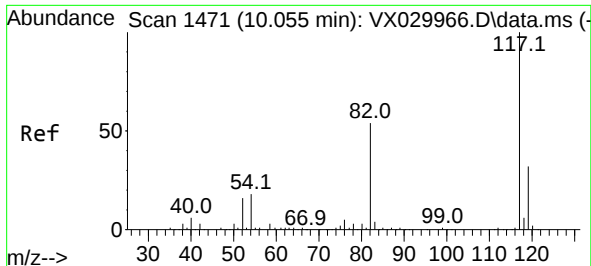
Tgt Ion: 88	Resp: 59
Ion Ratio	Lower Upper
88	100
43	66.1 25.8 38.6#
58	0.0 54.8 82.2#



#56
Bromoform
Concen: 0.476 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion: 173	Resp: 733
Ion Ratio	Lower Upper
173	100
175	596.3 40.3 60.5#
254	0.0 7.4 11.2#

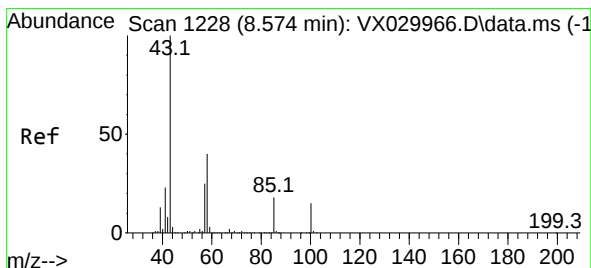
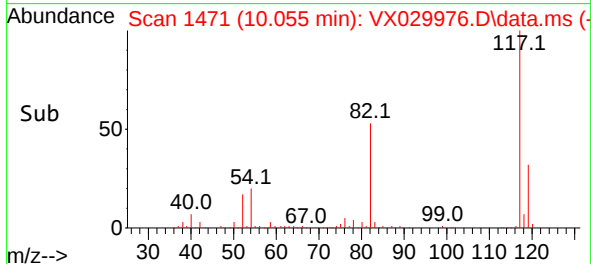
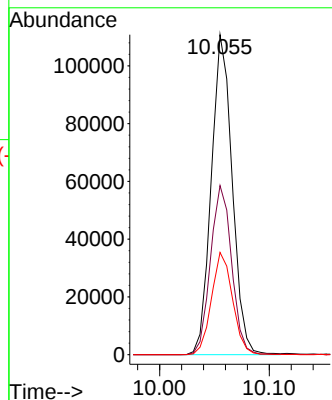
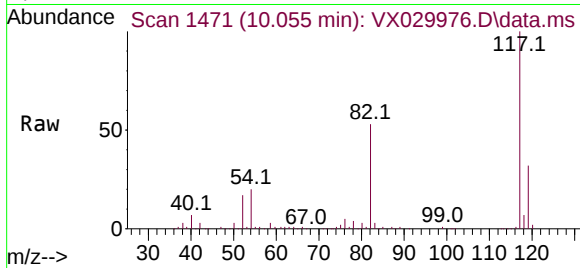




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

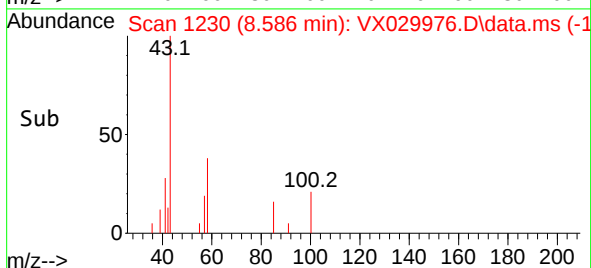
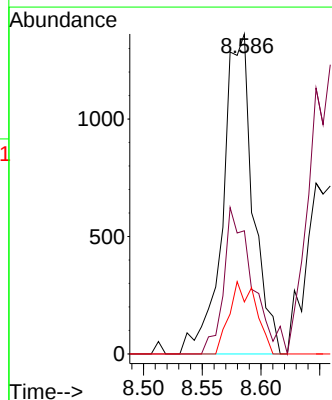
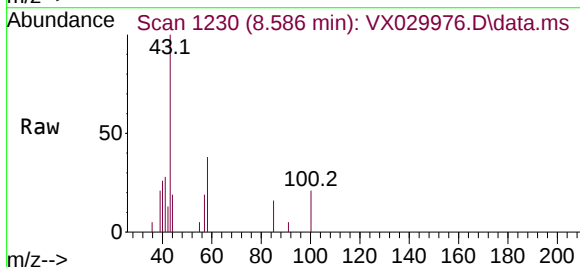
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

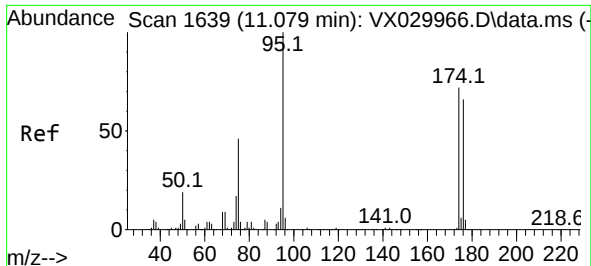
Tgt Ion:117 Resp: 147136
Ion Ratio Lower Upper
117 100
82 53.4 42.3 63.5
119 32.3 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 0.670 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 41.9 31.8 47.6
85 19.8 15.8 23.6

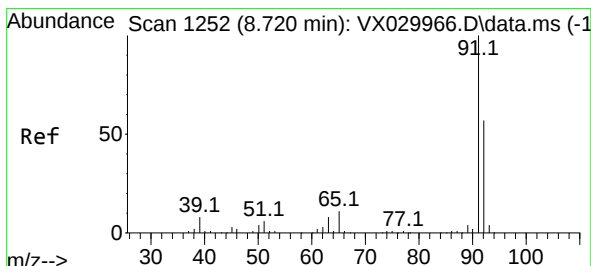
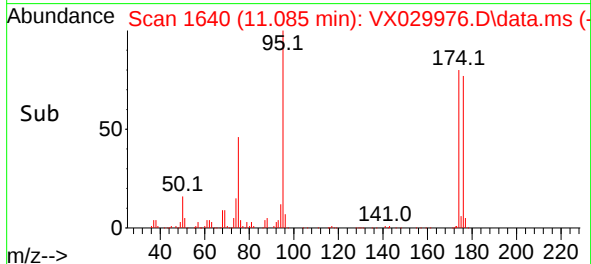
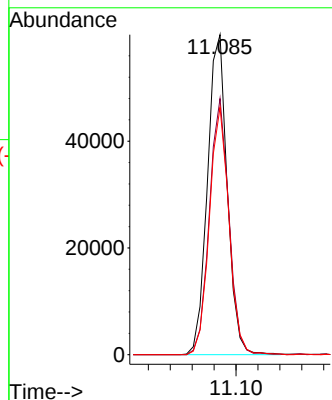
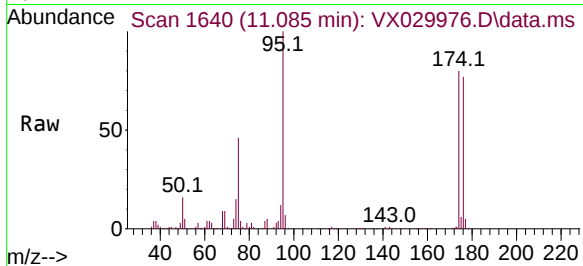




#60
4-Bromofluorobenzene
Concen: 27.084 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

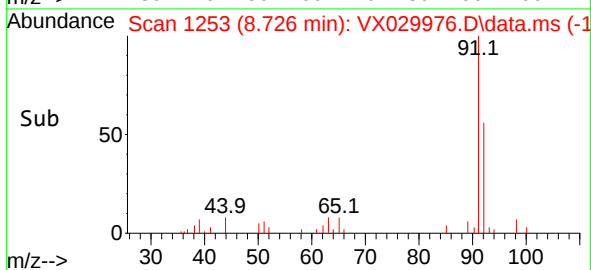
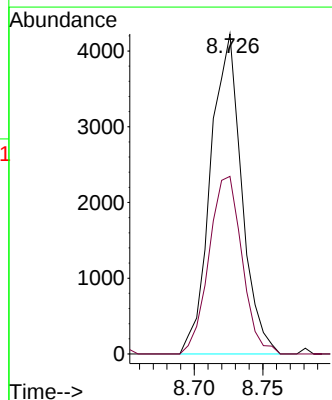
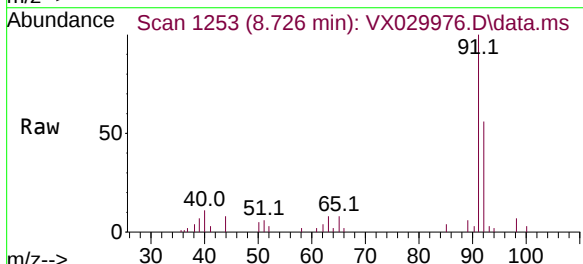
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

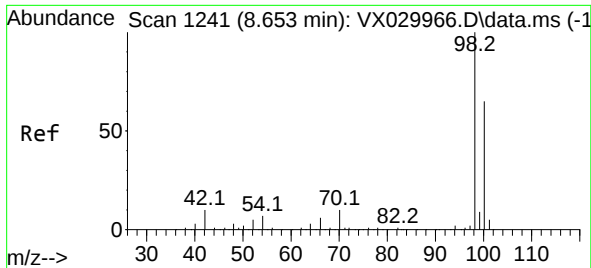
Tgt Ion: 95 Resp: 75100
Ion Ratio Lower Upper
95 100
174 78.9 65.4 98.2
176 76.5 63.4 95.0



#62
Toluene
Concen: 0.681 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion: 91 Resp: 6664
Ion Ratio Lower Upper
91 100
92 59.0 48.1 72.1

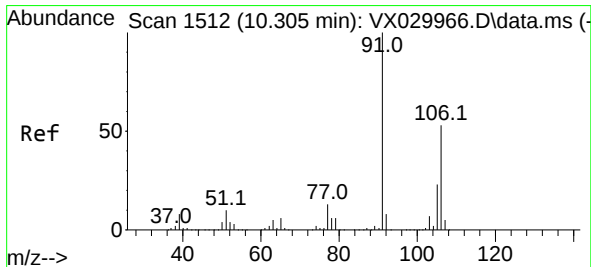
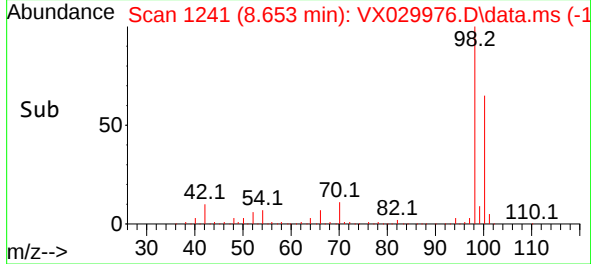
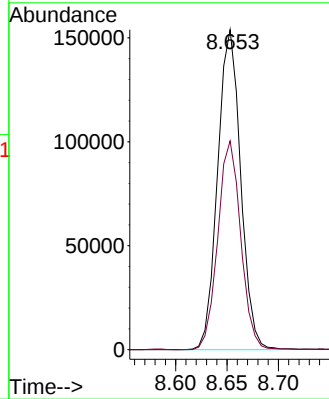
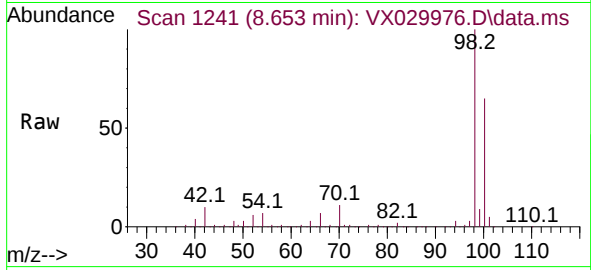




#63
Toluene-d8
Concen: 29.996 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

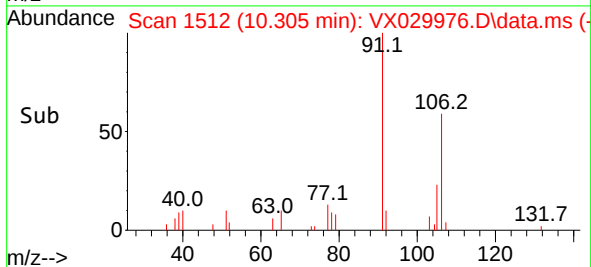
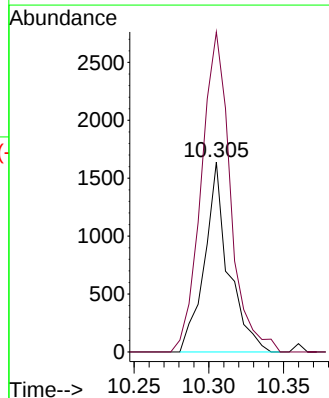
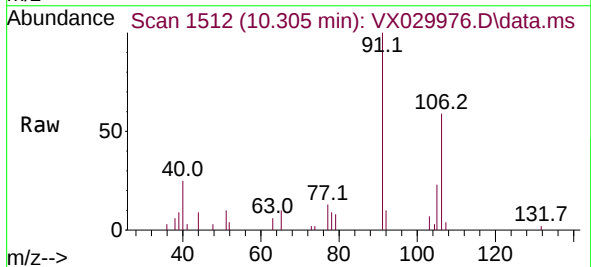
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

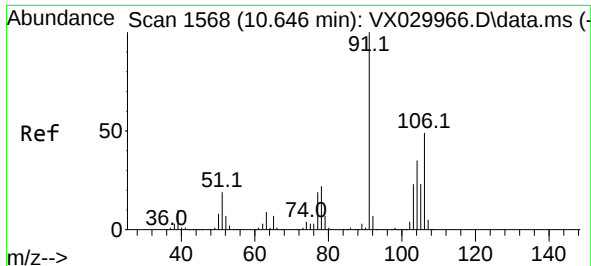
Tgt Ion: 98 Resp: 239323
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2



#67
m/p-Xylenes
Concen: 0.452 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion:106 Resp: 1824
Ion Ratio Lower Upper
106 100
91 205.4 159.5 239.3

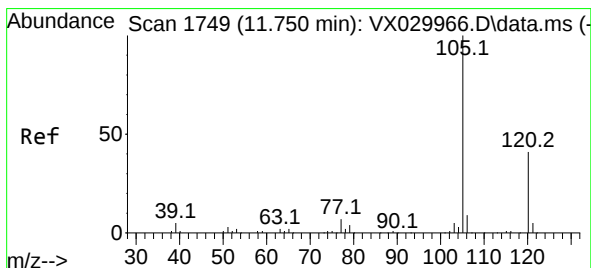
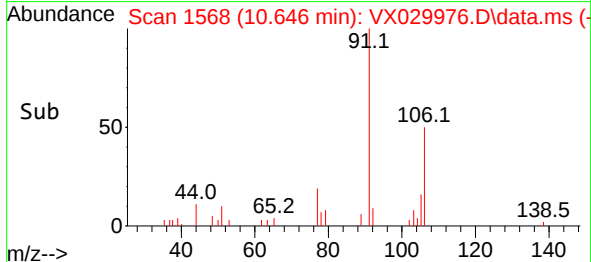
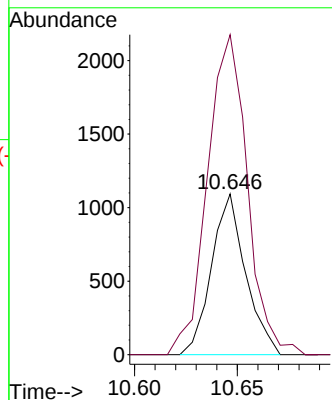
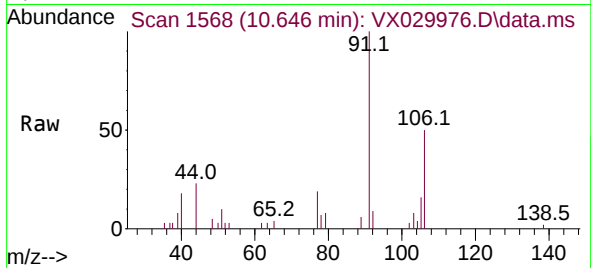




#68
o-Xylene
Concen: 0.314 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20220706

Tgt Ion:106 Resp: 1261
Ion Ratio Lower Upper
106 100
91 232.9 105.4 316.2



#80
1,2,4-Trimethylbenzene
Concen: 0.201 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX029976.D
Acq: 08 Jul 2022 16:28

Tgt Ion:105 Resp: 1759
Ion Ratio Lower Upper
105 100
120 45.9 0.0 89.6

