

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027622.D
 Acq On : 22 Mar 2022 18:15
 Operator : JC/MD
 Sample : N1998-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Mar 23 01:49:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

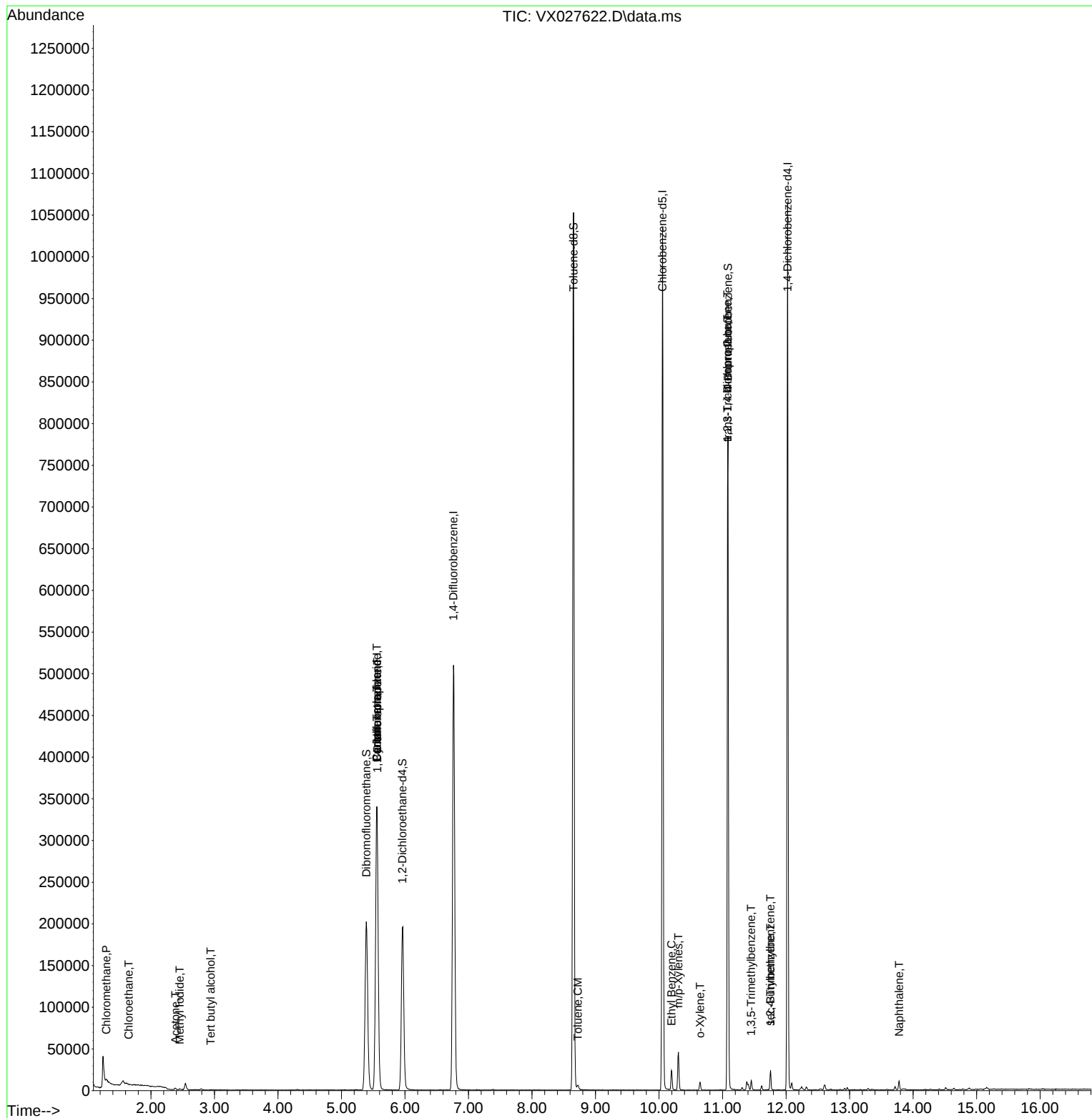
Internal Standards						
1) Pentafluorobenzene	5.556	168	342610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	554789	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	498067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	222042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192505	45.611	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.220%
35) Dibromofluoromethane	5.391	113	178707	50.066	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.140%
50) Toluene-d8	8.653	98	644686	47.730	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.460%
62) 4-Bromofluorobenzene	11.085	95	220494	44.413	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	1374	0.471	ug/l	89
5) Bromomethane	1.618	94	1012	Below Cal	#	59
6) Chloroethane	1.648	64	654	0.316	ug/l #	43
10) Methyl Iodide	2.453	142	1318	0.300	ug/l	93
11) Tert butyl alcohol	2.940	59	276	0.343	ug/l #	72
16) Acetone	2.386	43	2215	1.288	ug/l #	86
31) Cyclohexane	5.556	56	5546	1.058	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	22611	4.635	ug/l #	50
38) Carbon Tetrachloride	5.556	117	33340	5.974	ug/l #	15
52) Toluene	8.720	92	2337	0.249	ug/l	90
67) Ethyl Benzene	10.195	91	14423	0.822	ug/l	98
68) m/p-Xylenes	10.305	106	11604	1.680	ug/l	95
69) o-Xylene	10.646	106	2487	0.371	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	99820	21.493	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	5494	0.404	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	99820	65.274	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	10750	0.792	ug/l	98
85) sec-Butylbenzene	11.756	105	10750	0.660	ug/l #	56
95) Naphthalene	13.780	128	7558	0.491	ug/l	99

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

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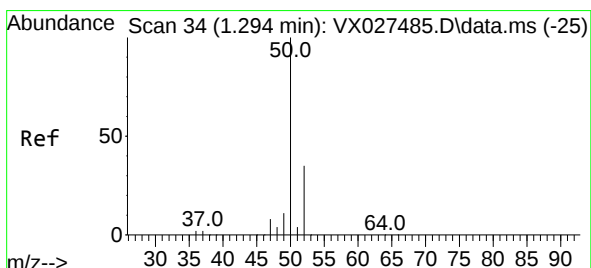
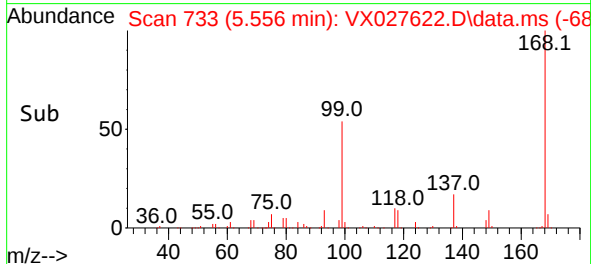
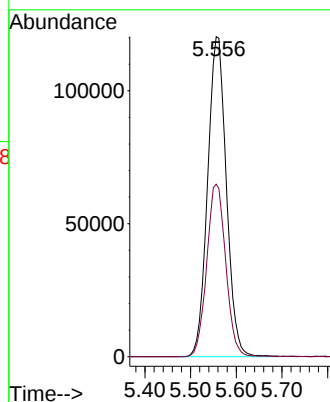
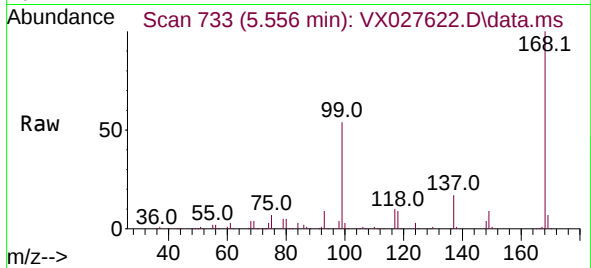




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

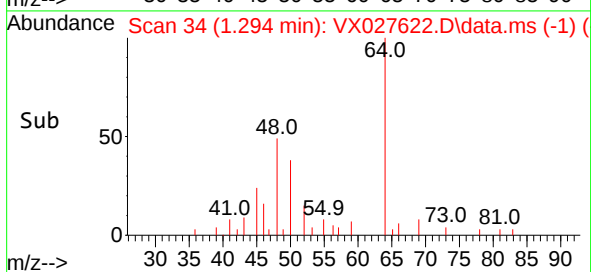
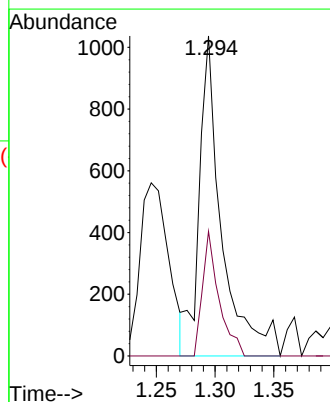
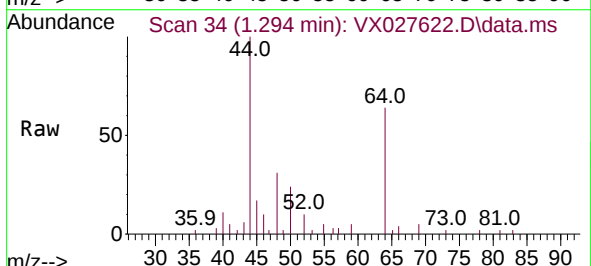
Instrument :
MSVOA_X
ClientSampleId :
TB

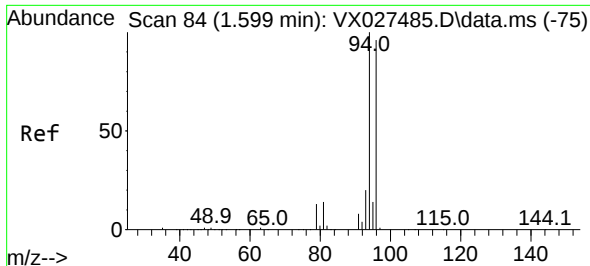
Tgt Ion:168 Resp: 342610
Ion Ratio Lower Upper
168 100
99 53.9 41.7 62.5



#3
Chloromethane
Concen: 0.471 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 50 Resp: 1374
Ion Ratio Lower Upper
50 100
52 39.0 26.4 39.6

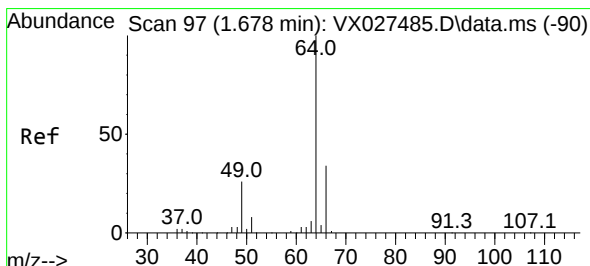
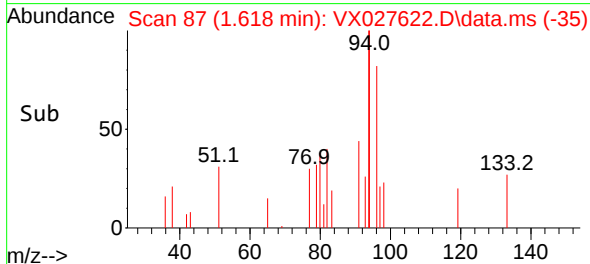
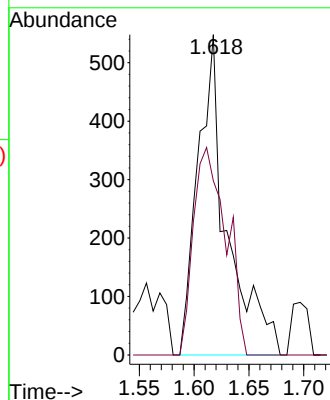
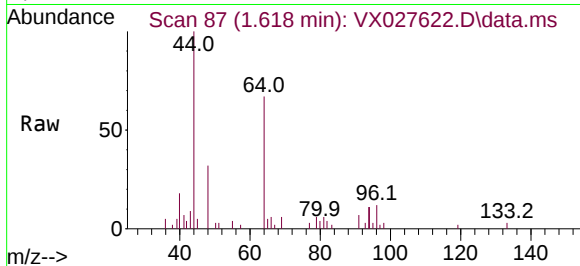




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

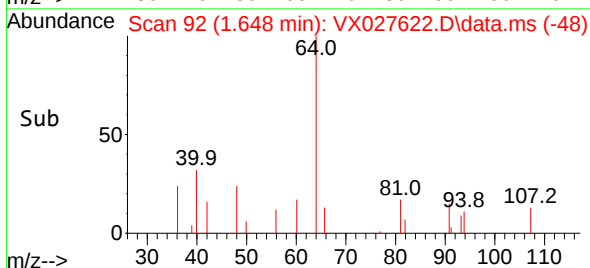
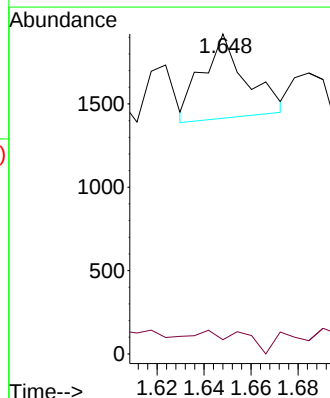
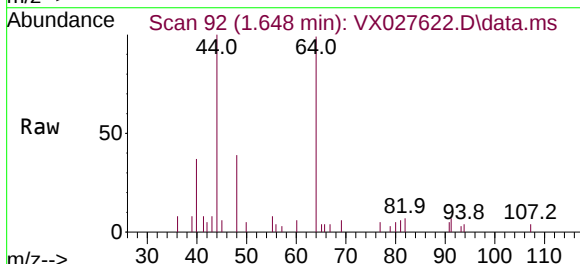
Instrument :
MSVOA_X
ClientSampleId :
TB

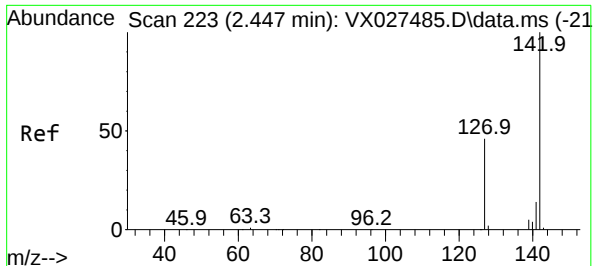
Tgt Ion: 94 Resp: 1012
Ion Ratio Lower Upper
94 100
96 54.4 75.3 112.9#



#6
Chloroethane
Concen: 0.316 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.030 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 64 Resp: 654
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

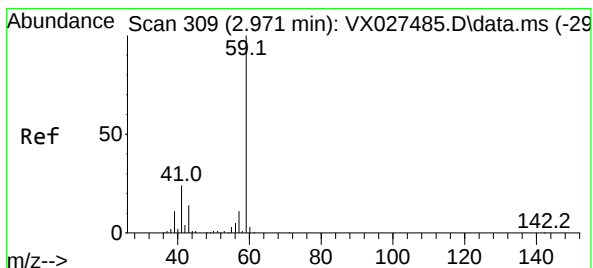
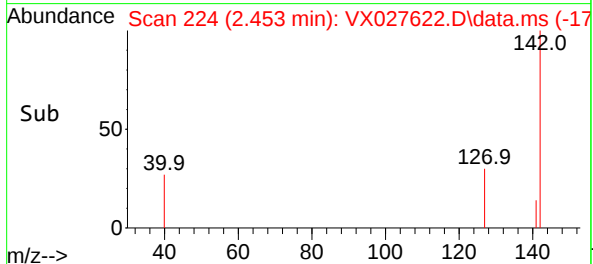
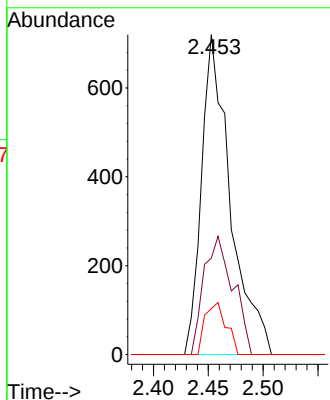
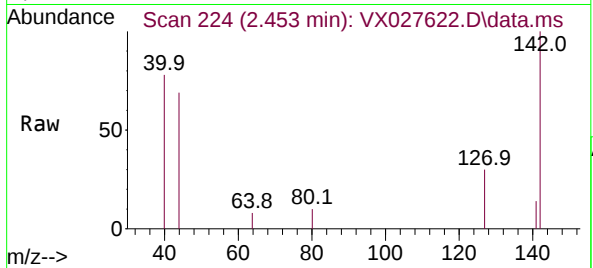




#10
Methyl Iodide
Concen: 0.300 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

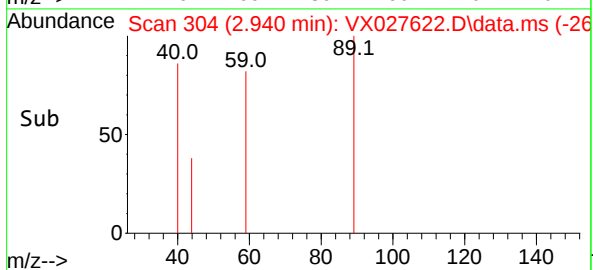
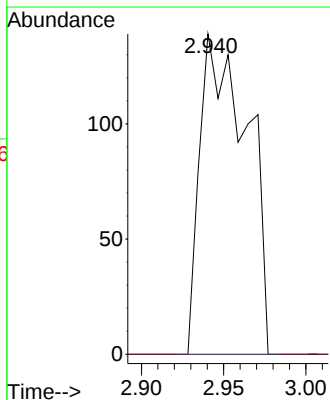
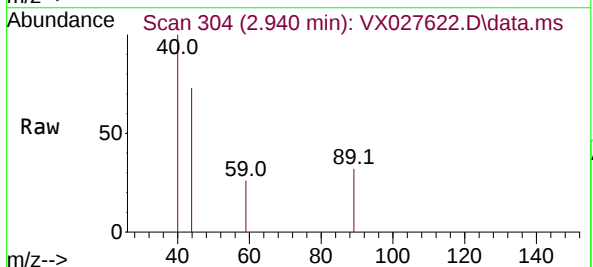
Instrument :
MSVOA_X
ClientSampleId :
TB

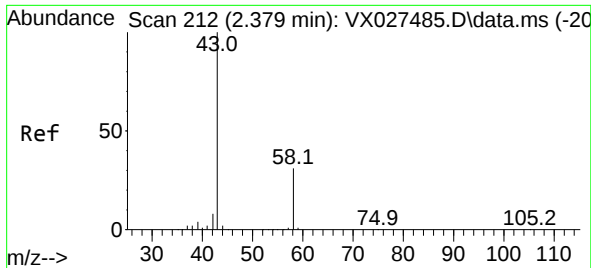
Tgt Ion:142 Resp: 1318
Ion Ratio Lower Upper
142 100
127 37.3 33.9 50.9
141 11.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 0.343 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.030 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

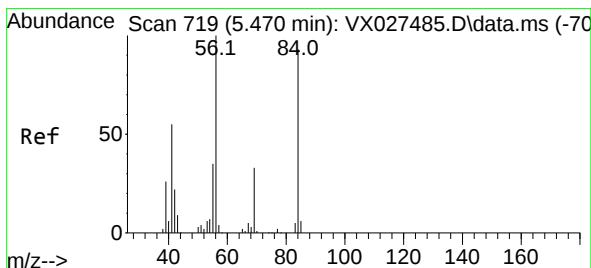
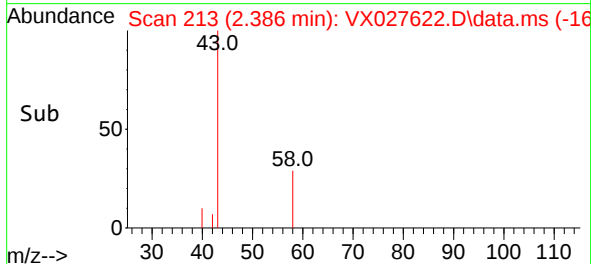
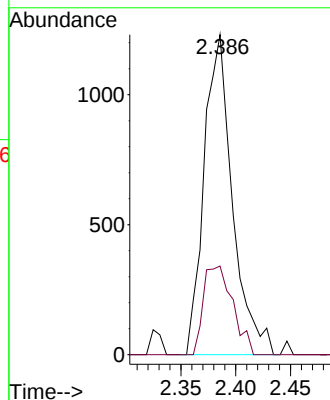
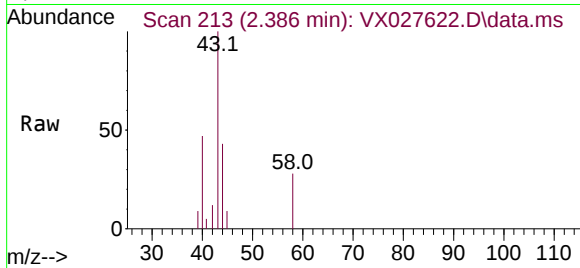




#16
Acetone
Concen: 1.288 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

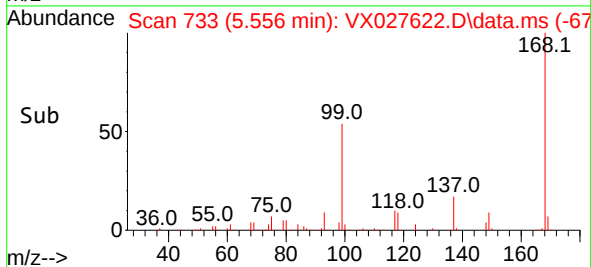
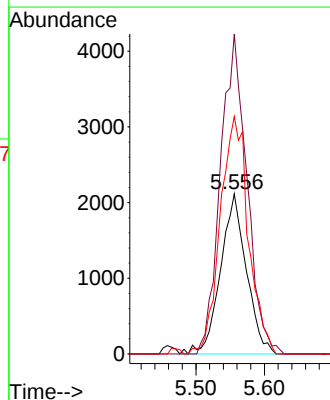
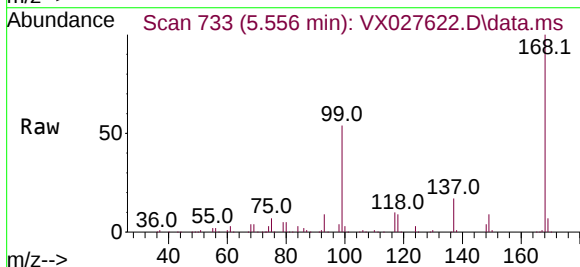
Instrument :
MSVOA_X
ClientSampleId :
TB

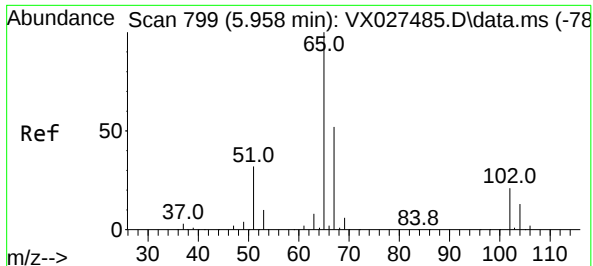
Tgt Ion: 43 Resp: 2215
Ion Ratio Lower Upper
43 100
58 27.7 28.8 43.2#



#31
Cyclohexane
Concen: 1.058 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 56 Resp: 5546
Ion Ratio Lower Upper
56 100
69 199.9 26.7 40.1#
84 148.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 45.611 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

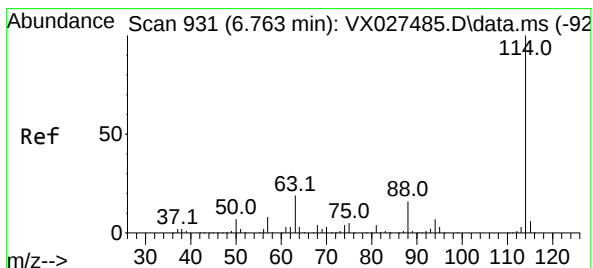
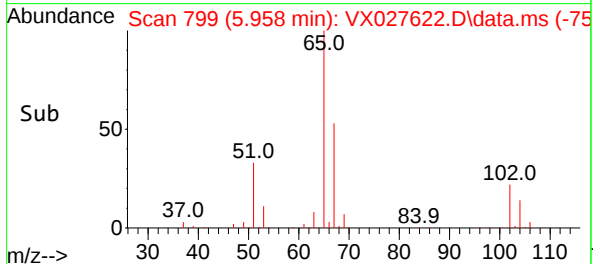
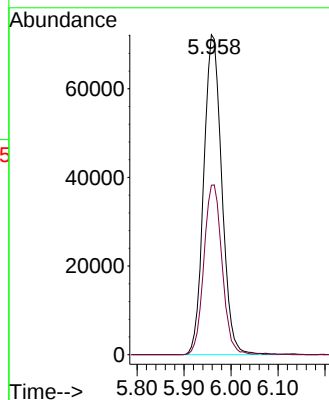
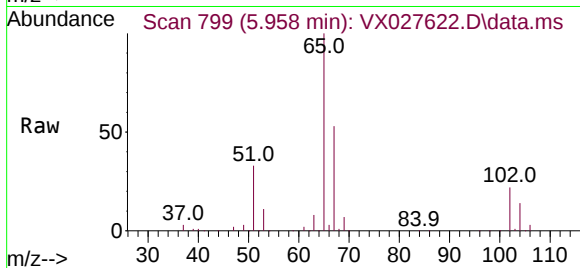
TB

Tgt Ion: 65 Resp: 192505

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

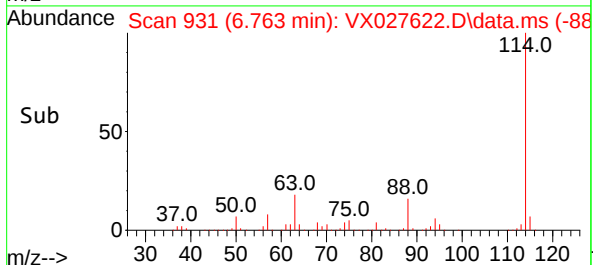
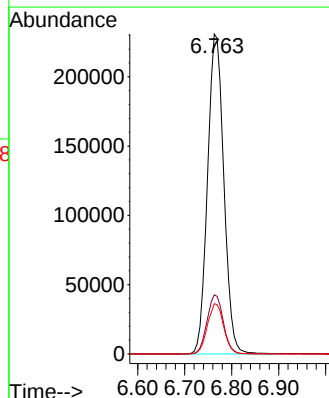
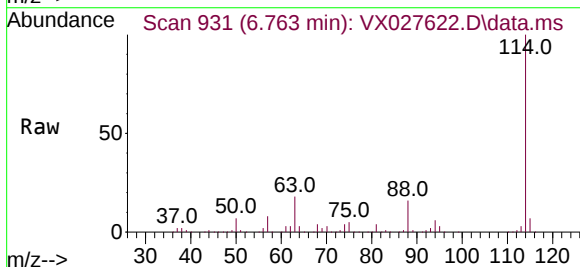
Tgt Ion: 114 Resp: 554789

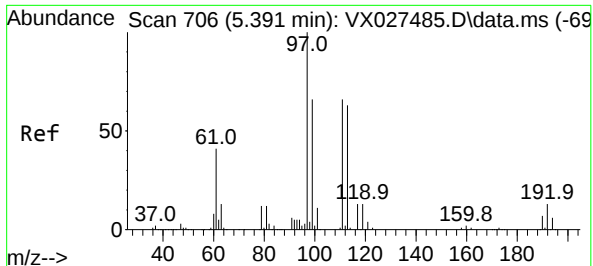
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.066 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

TB

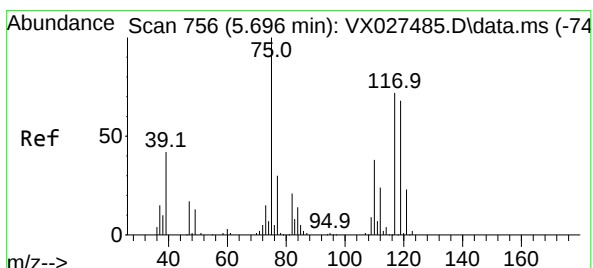
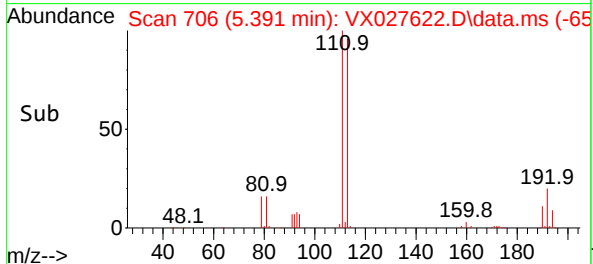
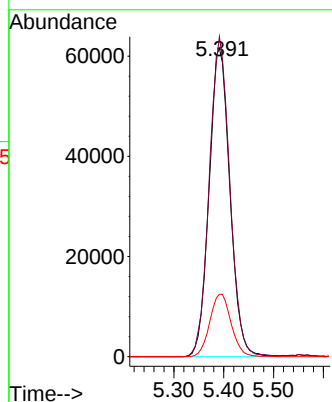
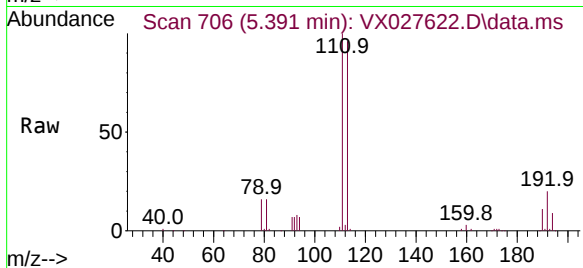
Tgt Ion:113 Resp: 178707

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 20.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.635 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

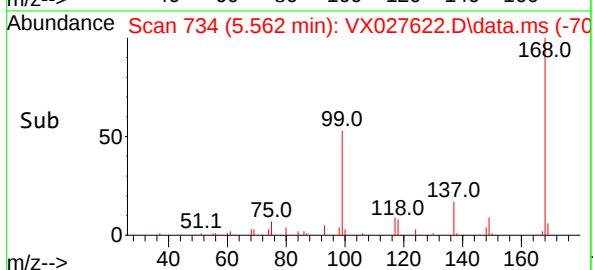
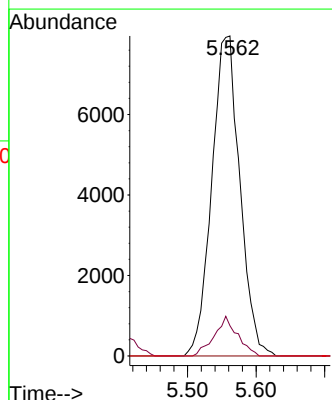
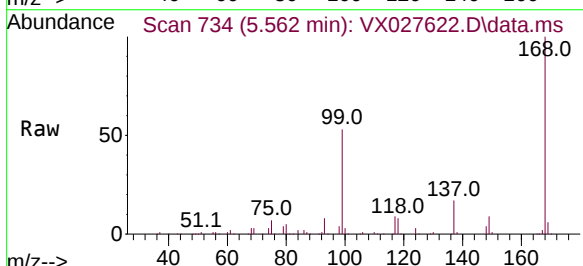
Tgt Ion: 75 Resp: 22611

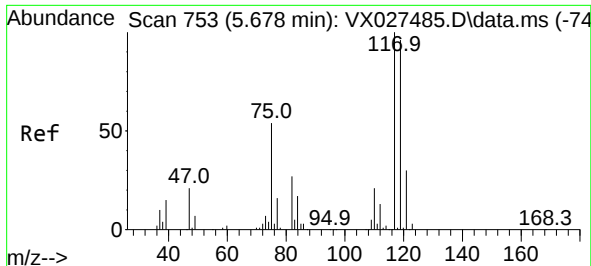
Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 24.8 37.2#

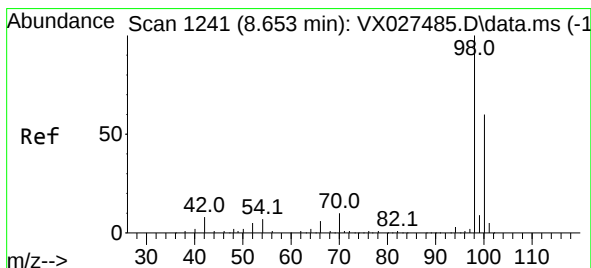
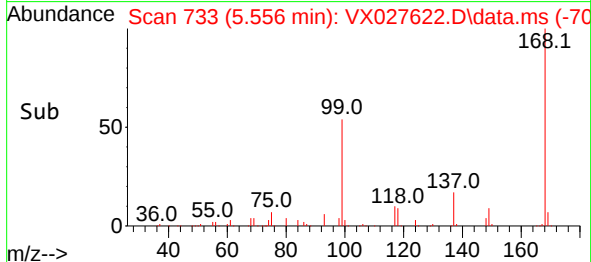
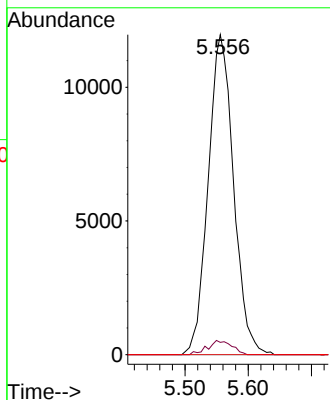
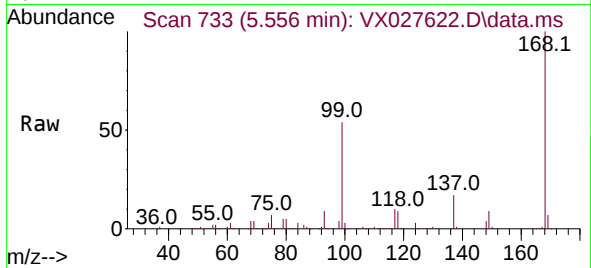




#38
Carbon Tetrachloride
Concen: 5.974 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

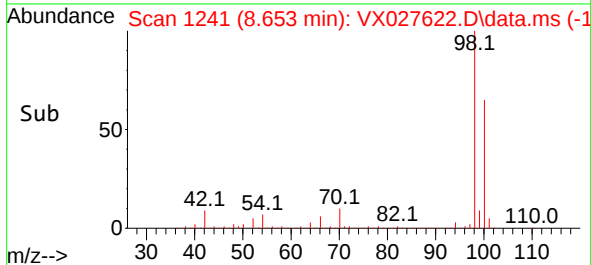
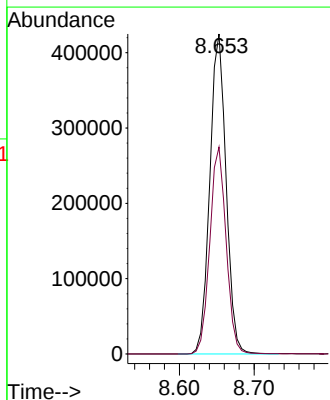
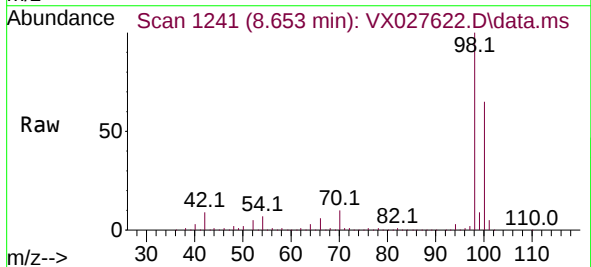
Instrument :
MSVOA_X
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TB

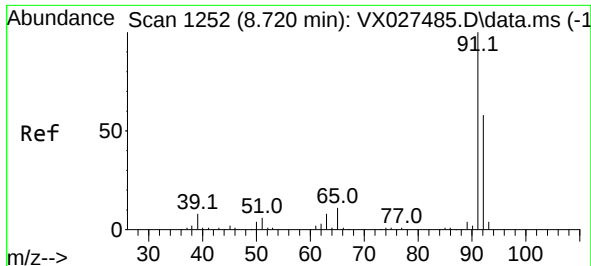
Tgt Ion:117 Resp: 33340
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.730 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 98 Resp: 644686
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

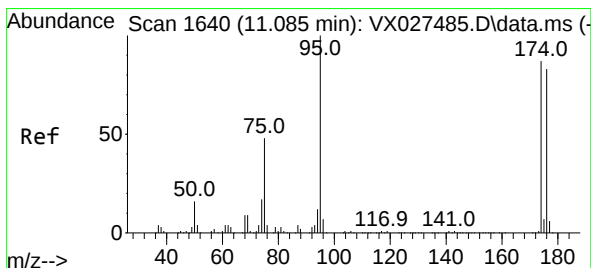
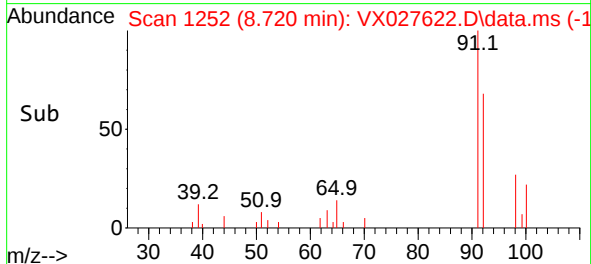
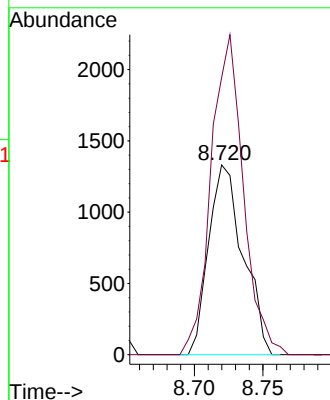
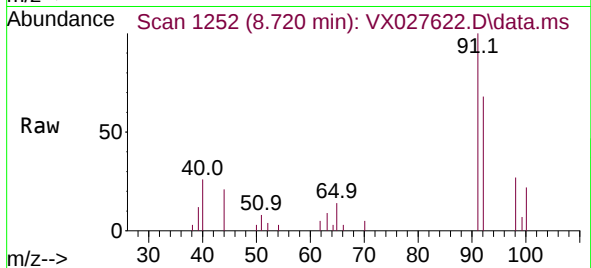




#52
Toluene
Concen: 0.249 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

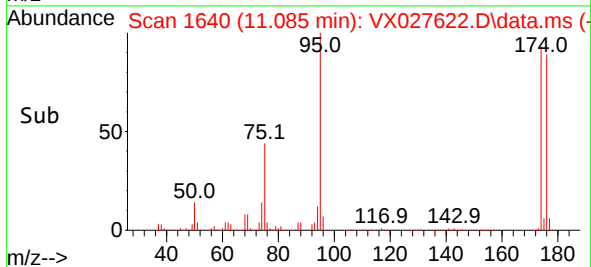
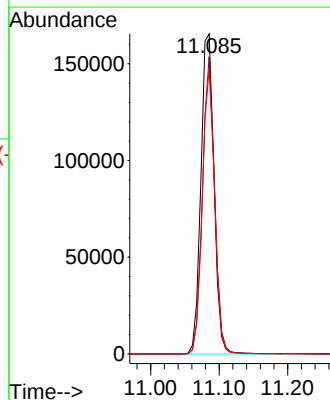
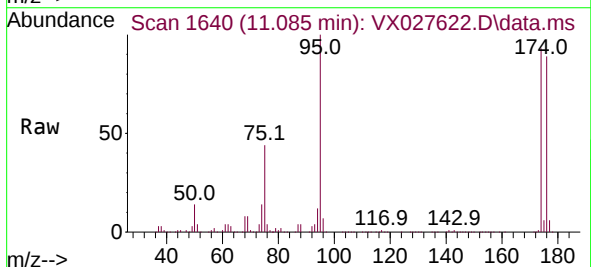
Instrument :
MSVOA_X
ClientSampleId :
TB

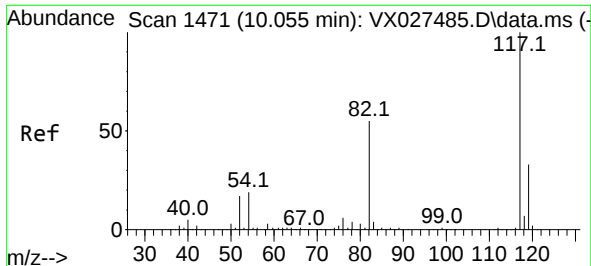
Tgt Ion: 92 Resp: 2337
Ion Ratio Lower Upper
92 100
91 157.4 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 44.413 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 95 Resp: 220494
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 83.8 0.0 155.0

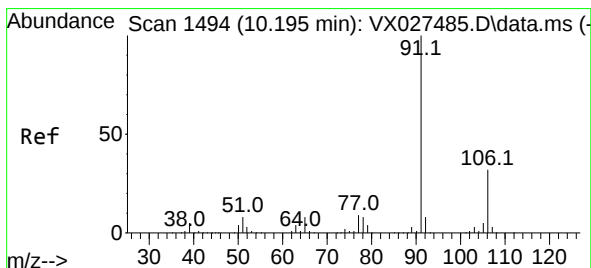
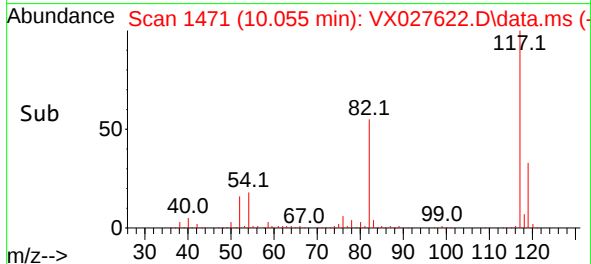
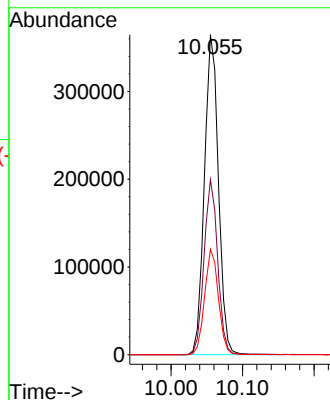
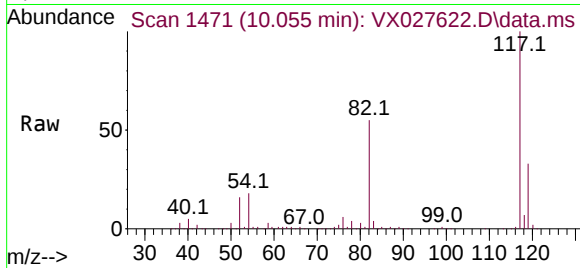




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

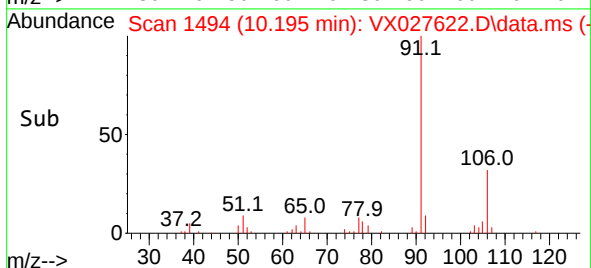
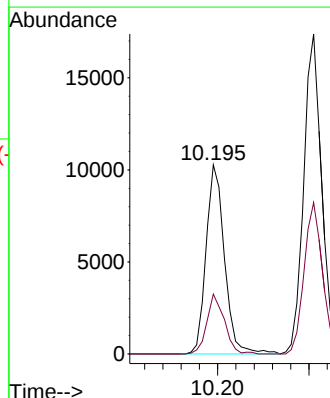
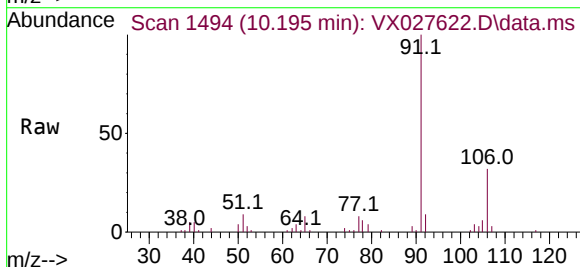
Instrument :
MSVOA_X
ClientSampleId :
TB

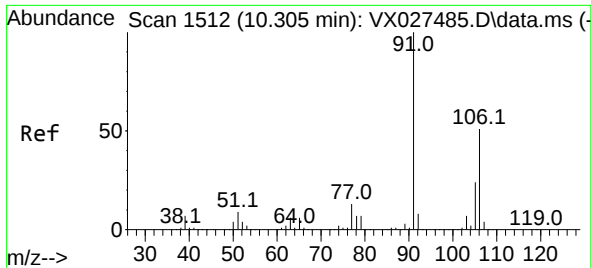
Tgt Ion:117 Resp: 498067
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 33.0 24.8 37.2



#67
Ethyl Benzene
Concen: 0.822 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion: 91 Resp: 14423
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8

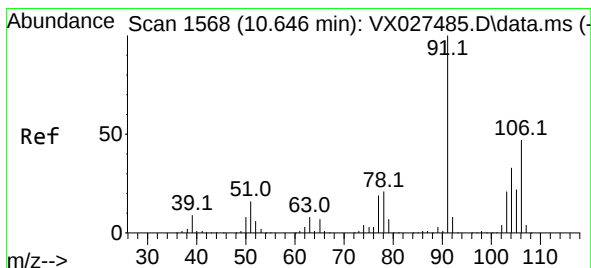
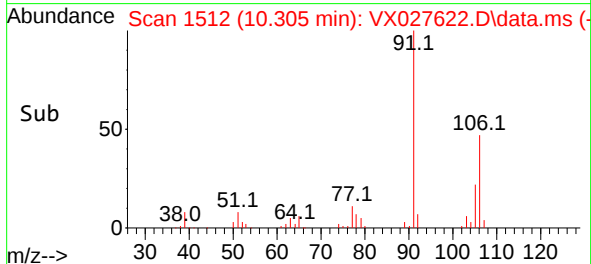
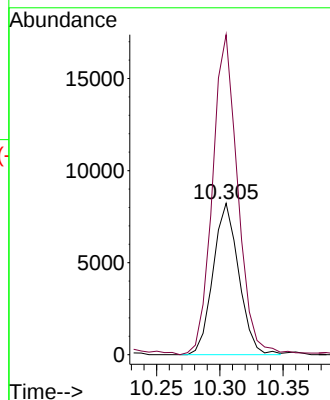
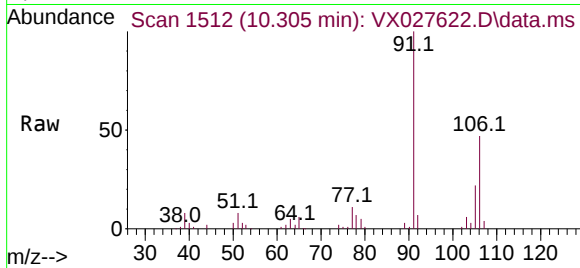




#68
m/p-Xylenes
Concen: 1.680 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

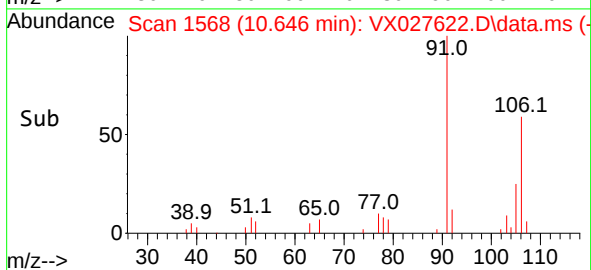
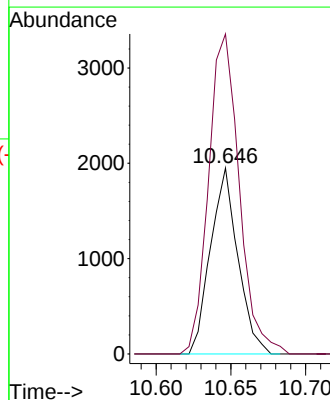
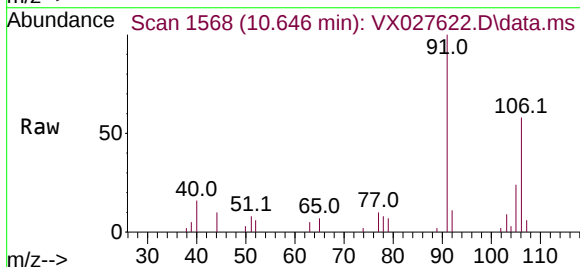
Instrument :
MSVOA_X
ClientSampleId :
TB

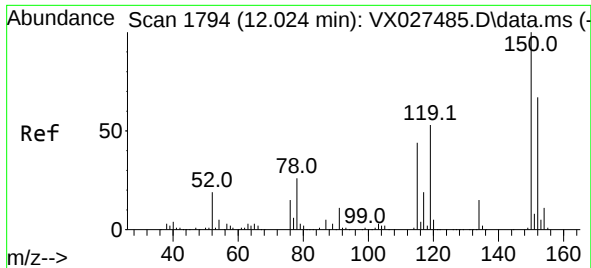
Tgt Ion:106 Resp: 11604
Ion Ratio Lower Upper
106 100
91 208.4 160.4 240.6



#69
o-Xylene
Concen: 0.371 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Tgt Ion:106 Resp: 2487
Ion Ratio Lower Upper
106 100
91 192.4 106.1 318.1

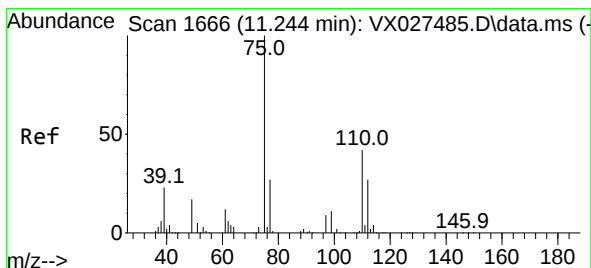
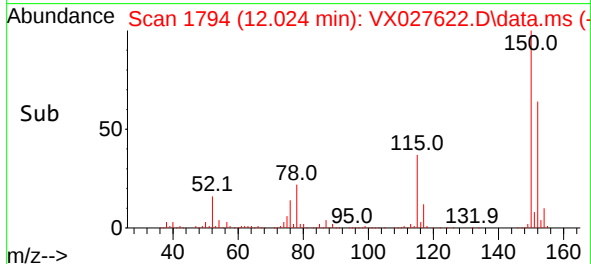
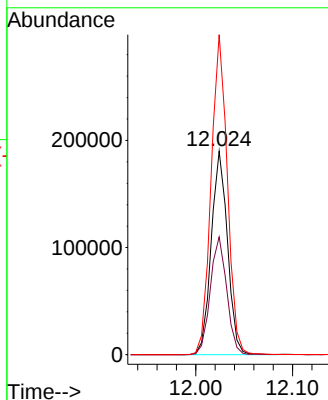
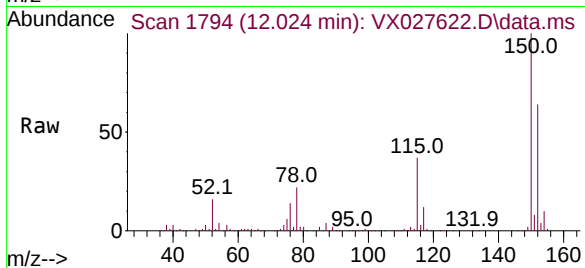




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX027622.D
 Acq: 22 Mar 2022 18:15

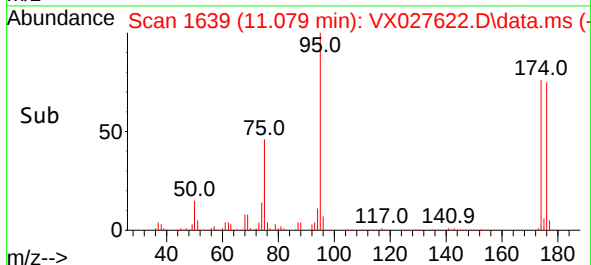
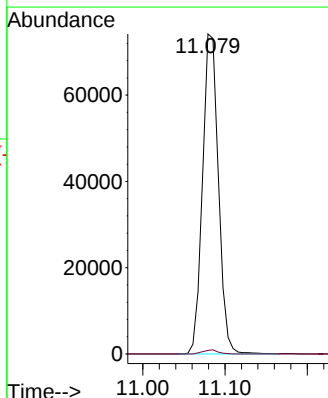
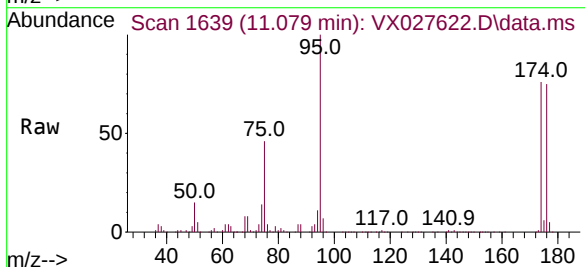
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

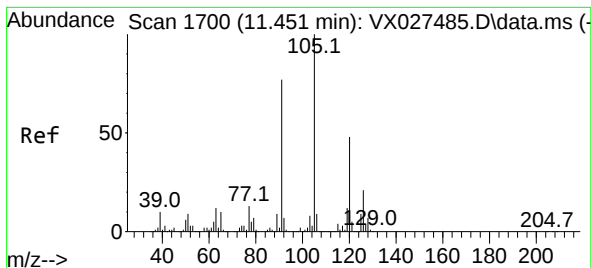
Tgt Ion:152 Resp: 222042
 Ion Ratio Lower Upper
 152 100
 115 58.6 37.5 112.7
 150 157.0 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 21.493 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027622.D
 Acq: 22 Mar 2022 18:15

Tgt Ion: 75 Resp: 99820
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.404 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

Instrument :

MSVOA_X

ClientSampleId :

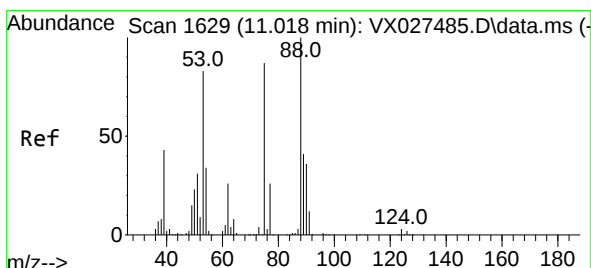
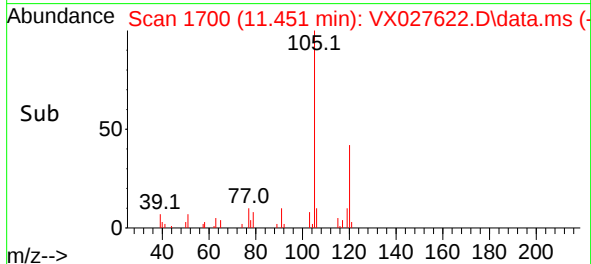
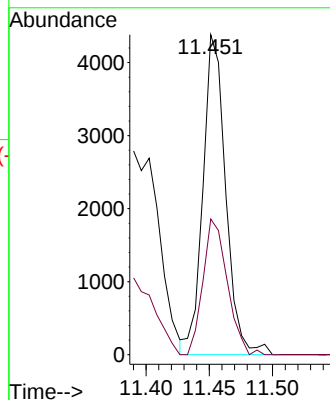
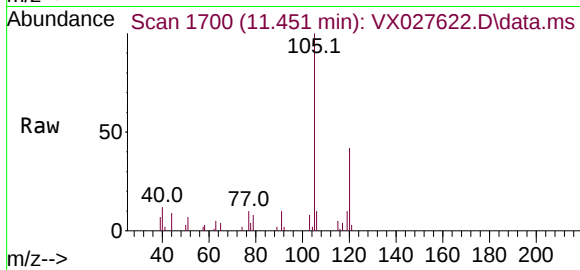
TB

Tgt Ion:105 Resp: 5494

Ion Ratio Lower Upper

105 100

120 45.2 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 65.274 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX027622.D

Acq: 22 Mar 2022 18:15

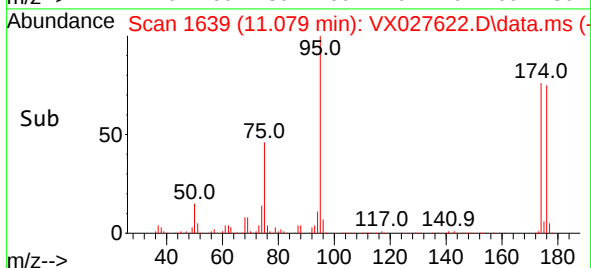
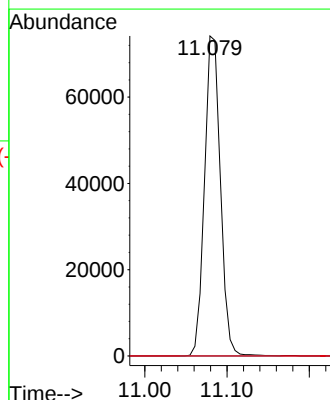
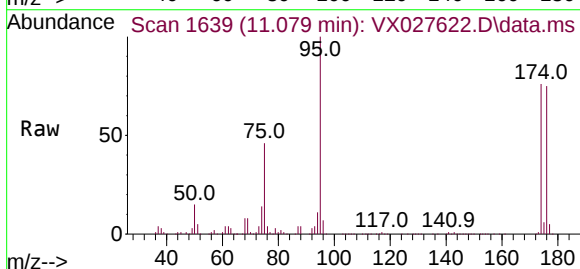
Tgt Ion: 75 Resp: 99820

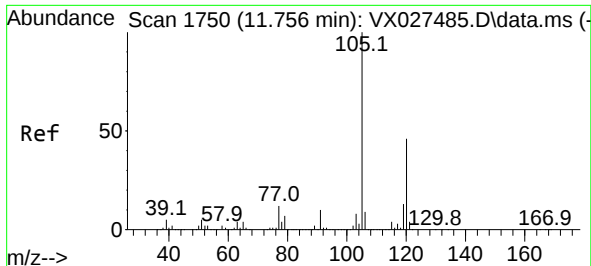
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

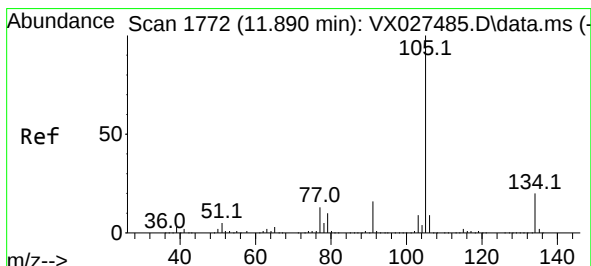
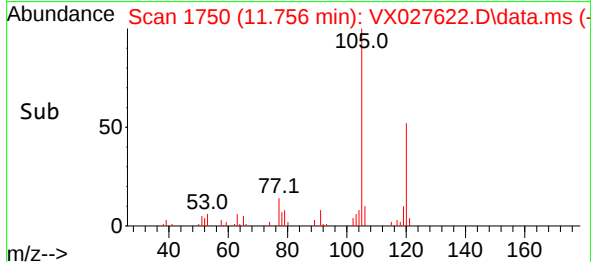
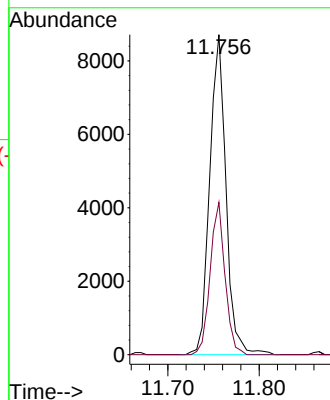
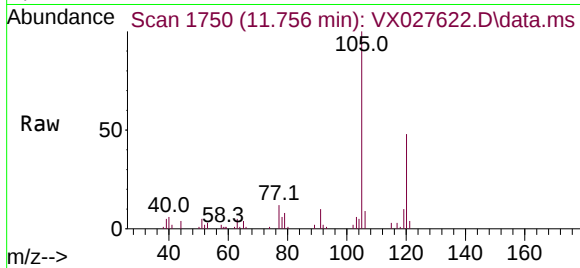




#84
1,2,4-Trimethylbenzene
Concen: 0.792 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

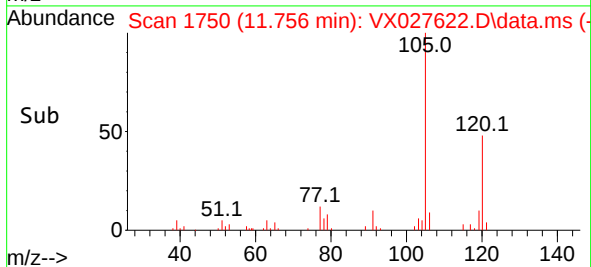
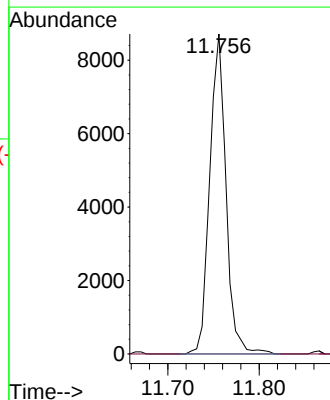
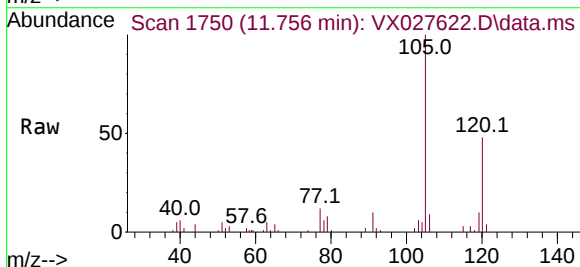
Instrument :
MSVOA_X
ClientSampleId :
TB

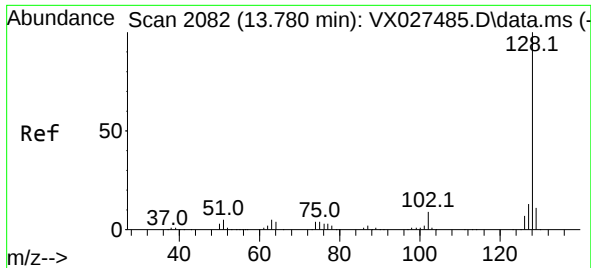
Tgt Ion:105 Resp: 10750
Ion Ratio Lower Upper
105 100
120 43.6 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.660 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

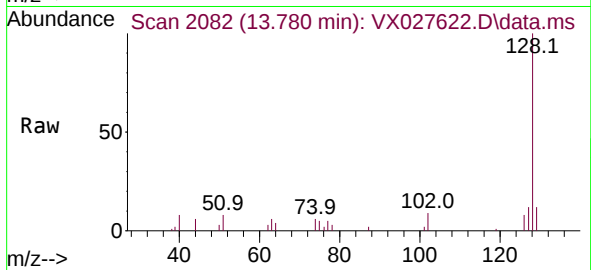
Tgt Ion:105 Resp: 10750
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#95
Naphthalene
Concen: 0.491 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027622.D
Acq: 22 Mar 2022 18:15

Instrument :
MSVOA_X
ClientSampleId :
TB



Tgt Ion:	128	Resp:	7558
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.9	8.7	13.1

