

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092022\
 Data File : VX031495.D
 Acq On : 20 Sep 2022 15:00
 Operator : JC/MD
 Sample : N4608-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOWER-1

Quant Time: Sep 20 17:19:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

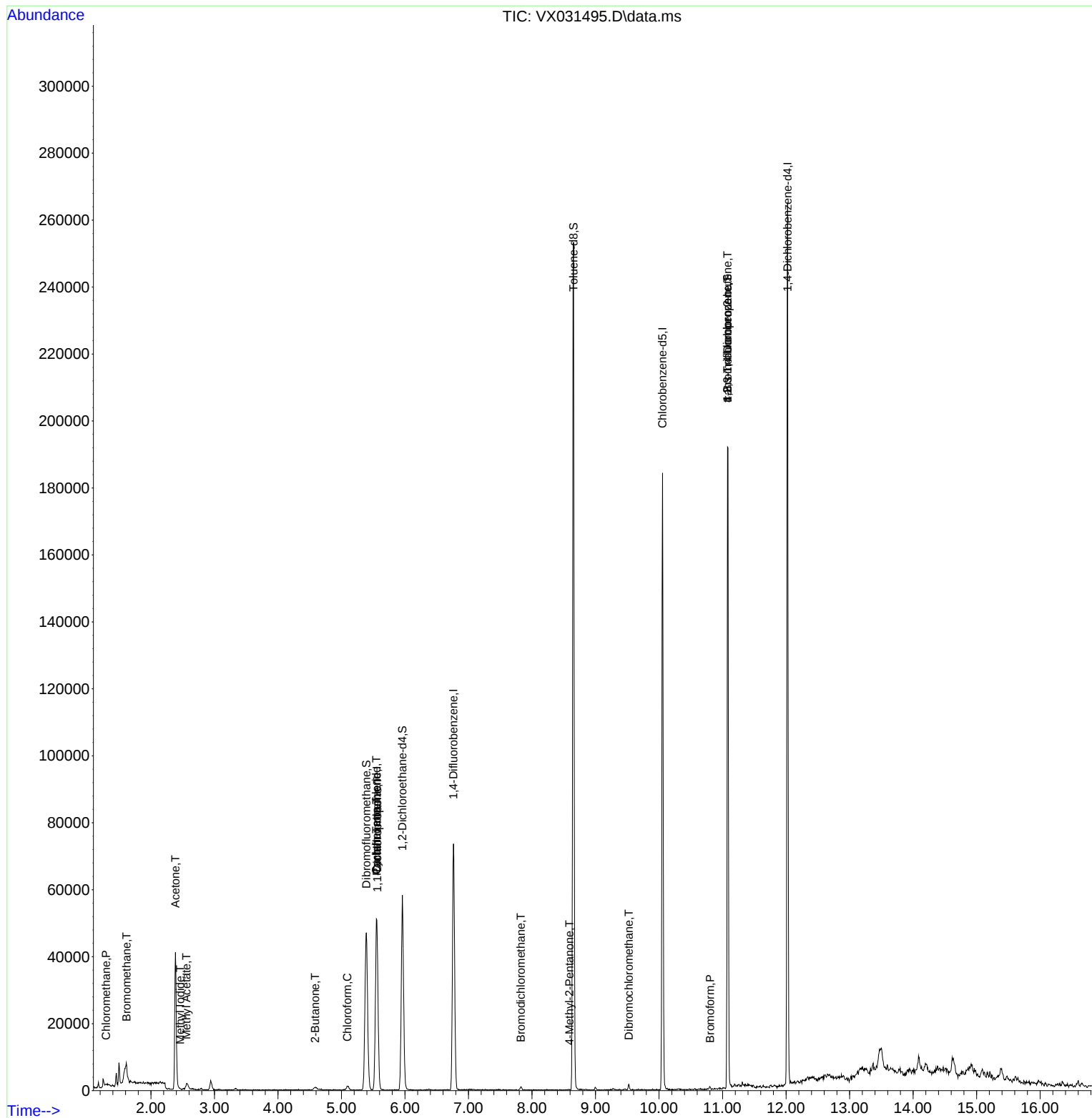
Internal Standards						
1) Pentafluorobenzene	5.556	168	49939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	75680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	79361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48396	52.805	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.600%
35) Dibromofluoromethane	5.391	113	39116	50.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	8.653	98	147608	48.955	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.920%
62) 4-Bromofluorobenzene	11.079	95	45508	44.558	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	206	0.216	ug/l #	41
5) Bromomethane	1.618	94	683	0.442	ug/l	91
6) Chloroethane	1.679	64	95	Below Cal	#	43
10) Methyl Iodide	2.459	142	188	0.242	ug/l #	58
11) Tert butyl alcohol	2.947	59	1516	Below Cal	#	73
13) Acrolein	2.221	56	29	Below Cal	#	1
16) Acetone	2.386	43	43670	113.082	ug/l	93
18) Methyl Acetate	2.556	43	1122	0.820	ug/l #	52
20) Methylene Chloride	2.782	84	250	Below Cal	#	46
25) 2-Butanone	4.587	43	717	1.014	ug/l #	49
30) Chloroform	5.093	83	1453	0.854	ug/l	88
31) Cyclohexane	5.550	56	1369	1.008	ug/l #	50
36) 1,1-Dichloropropene	5.562	75	4067	3.381	ug/l #	48
38) Carbon Tetrachloride	5.550	117	4941	3.706	ug/l #	19
47) Bromodichloromethane	7.824	83	682	0.522	ug/l #	97
51) 4-Methyl-2-Pentanone	8.592	43	406	0.286	ug/l #	37
60) Dibromochloromethane	9.525	129	710	0.693	ug/l	93
71) Bromoform	10.805	173	250	0.354	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	11.232	83	27	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	25821	22.575	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	25821	72.687	ug/l #	11

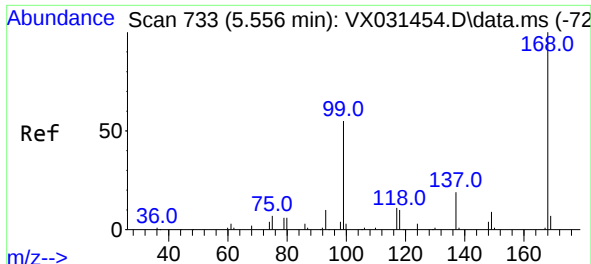
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

Quant Time: Sep 20 17:19:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 09:45:29 2022
Response via : Initial Calibration

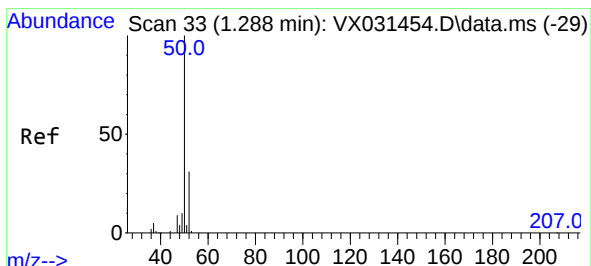
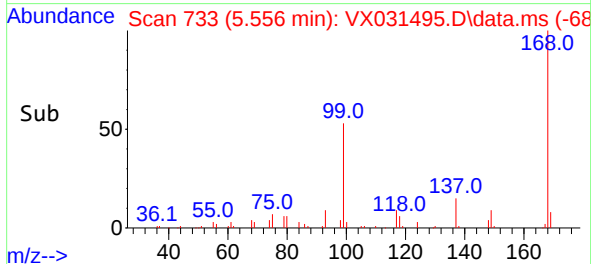
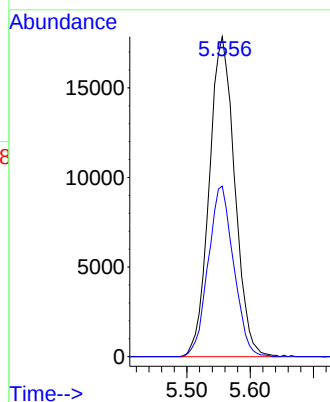
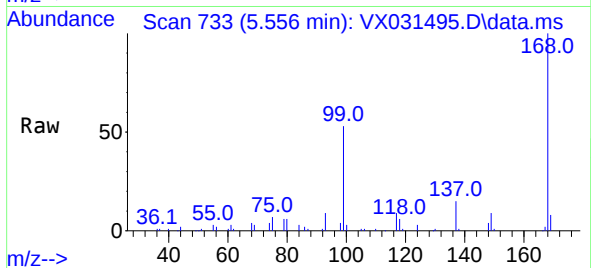




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

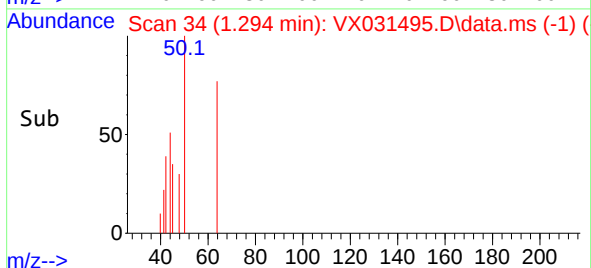
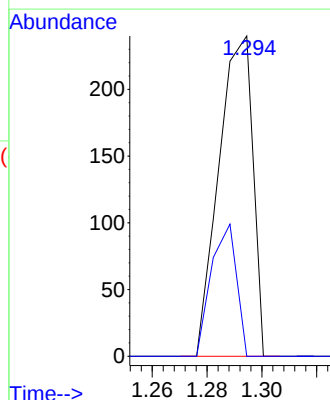
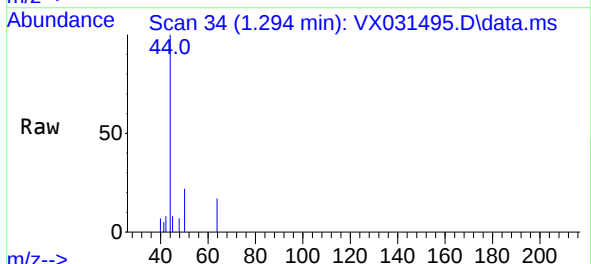
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

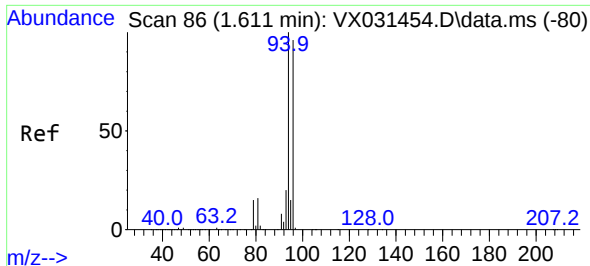
Tgt Ion:168 Resp: 49939
Ion Ratio Lower Upper
168 100
99 53.3 48.8 73.2



#3
Chloromethane
Concen: 0.216 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

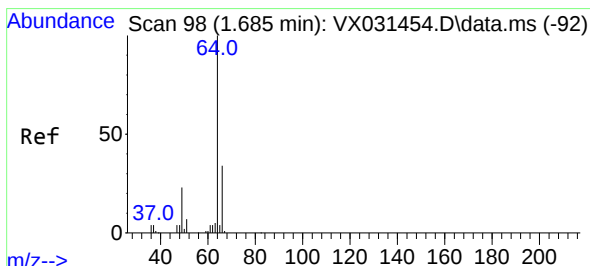
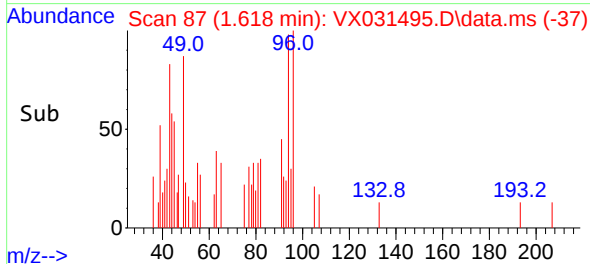
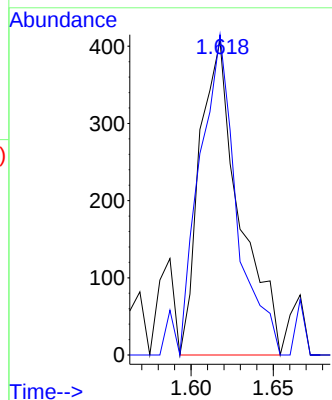
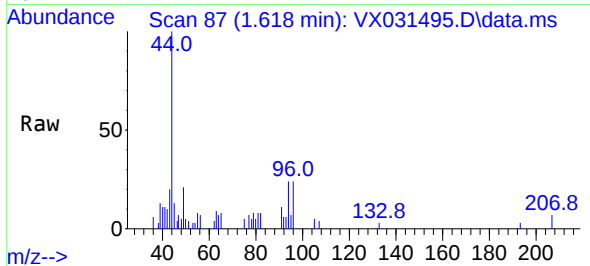




#5
Bromomethane
Concen: 0.442 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

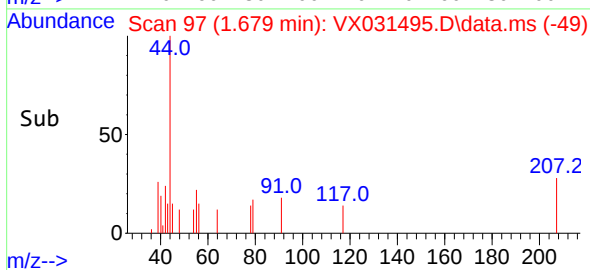
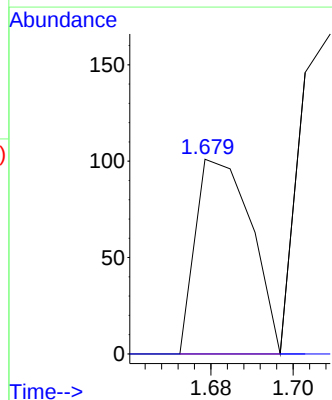
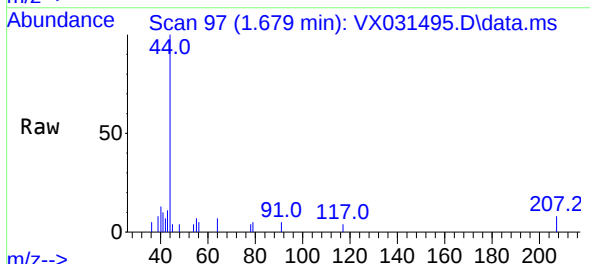
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

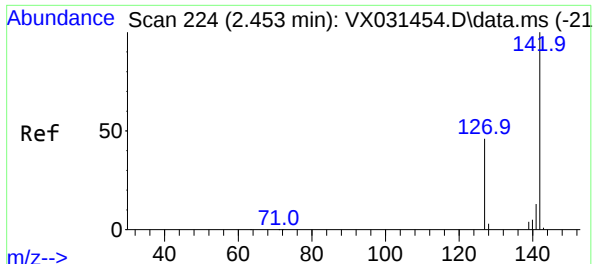
Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 102.0 74.4 111.6



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. -0.006 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

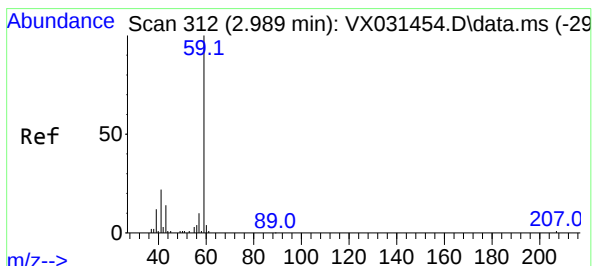
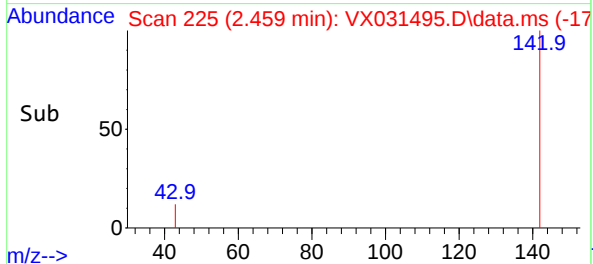
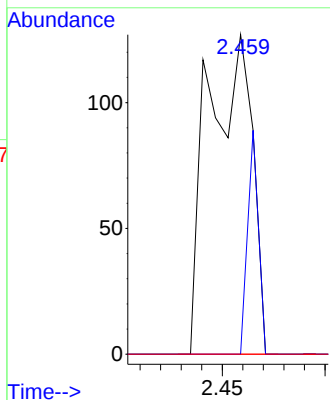
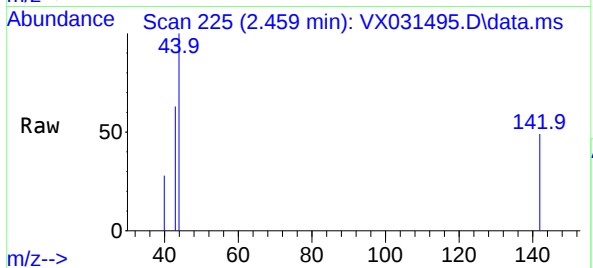




#10
Methyl Iodide
Concen: 0.242 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

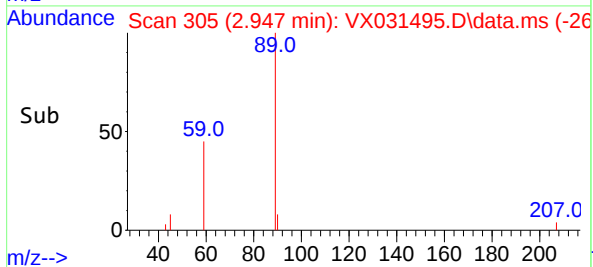
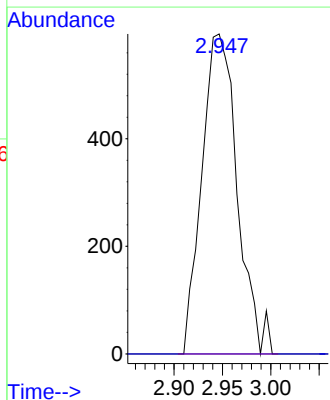
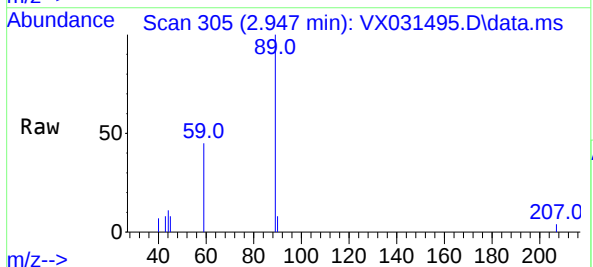
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

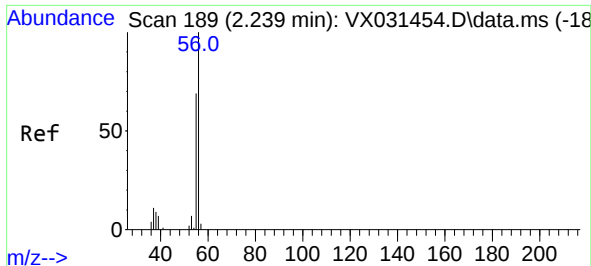
Tgt Ion:142 Resp: 188
Ion Ratio Lower Upper
142 100
127 17.6 37.4 56.0#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 59 Resp: 1516
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.221 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX031495.D

Acq: 20 Sep 2022 15:00

Instrument :

MSVOA_X

ClientSampleId :

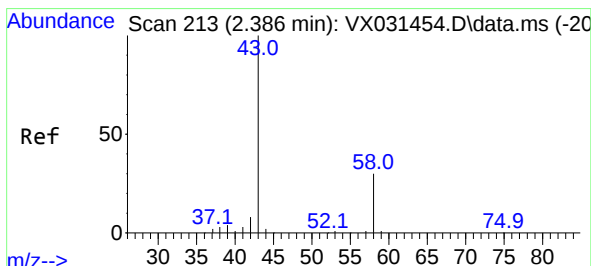
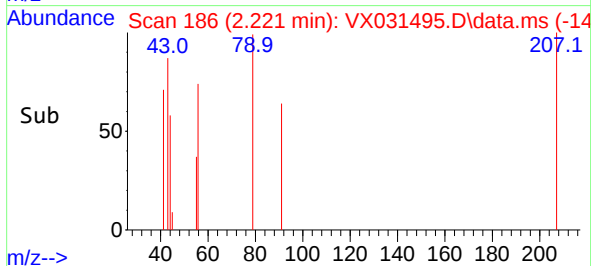
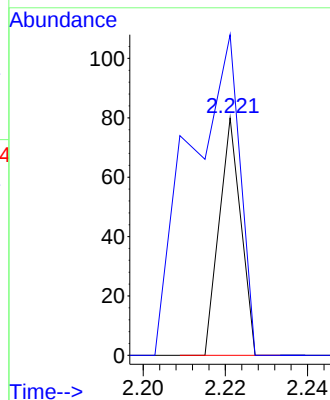
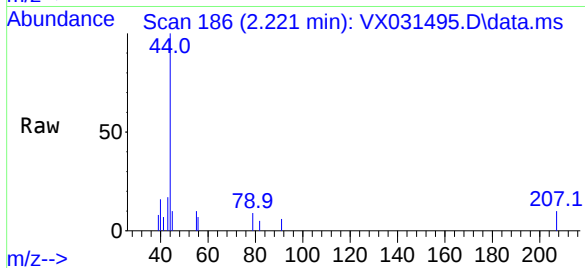
TOWER-1

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 313.8 56.0 84.0#



#16

Acetone

Concen: 113.082 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX031495.D

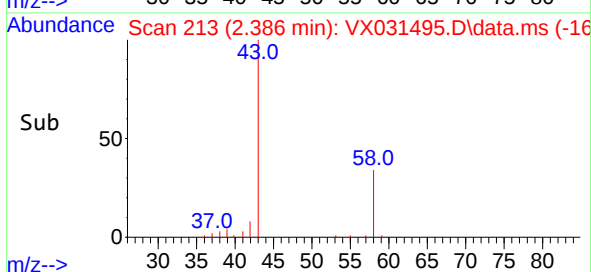
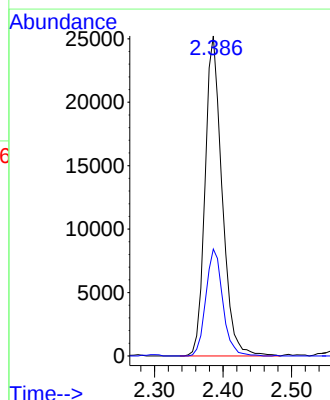
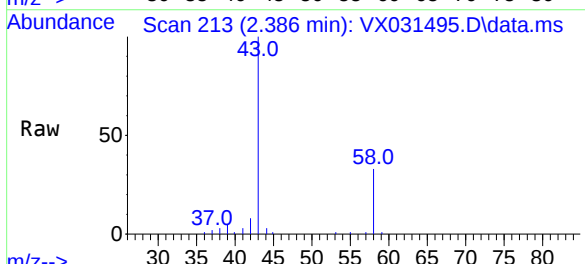
Acq: 20 Sep 2022 15:00

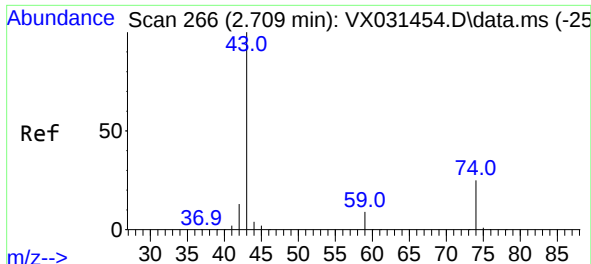
Tgt Ion: 43 Resp: 43670

Ion Ratio Lower Upper

43 100

58 33.4 23.8 35.8

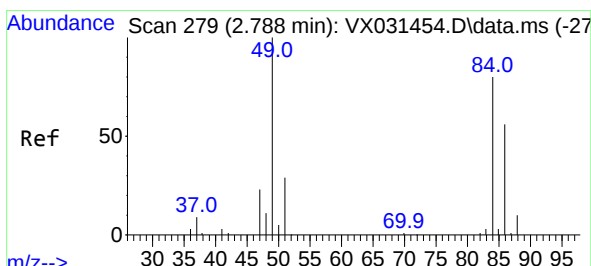
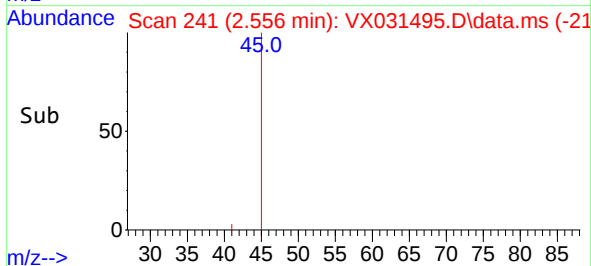
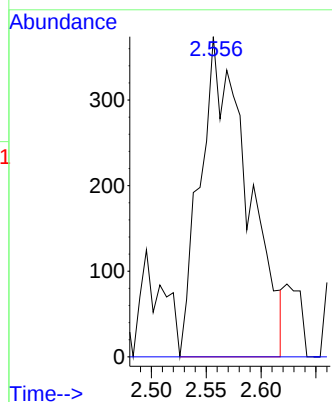
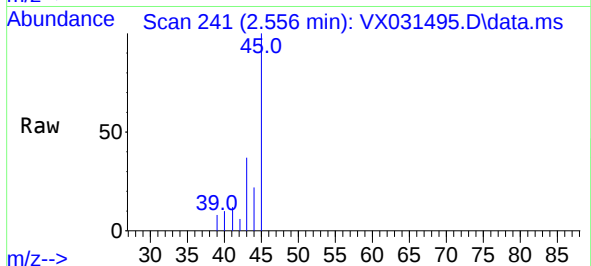




#18
Methyl Acetate
Concen: 0.820 ug/l
RT: 2.556 min Scan# 241
Delta R.T. -0.153 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

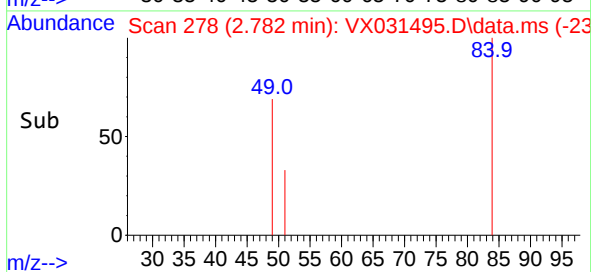
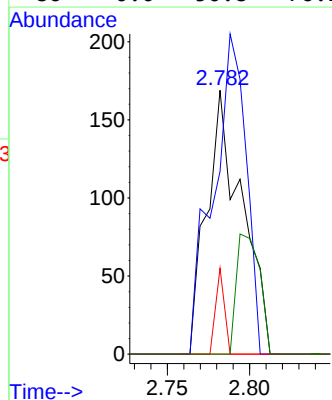
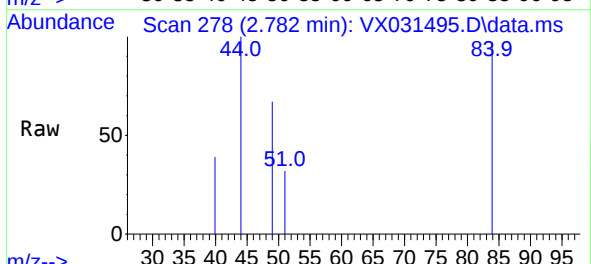
Instrument :
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ClientSampleId :
TOWER-1

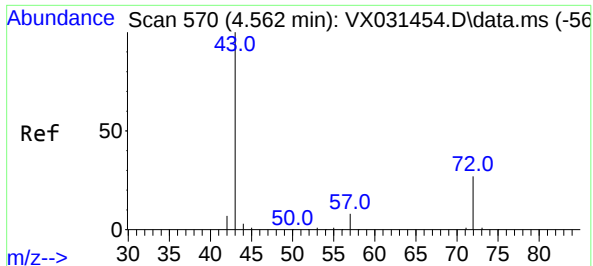
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 84 Resp: 250
Ion Ratio Lower Upper
84 100
49 69.2 105.9 158.9#
51 32.5 32.2 48.2
86 0.0 50.8 76.2#





#25

2-Butanone

Concen: 1.014 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX031495.D

Acq: 20 Sep 2022 15:00

Instrument :

MSVOA_X

ClientSampleId :

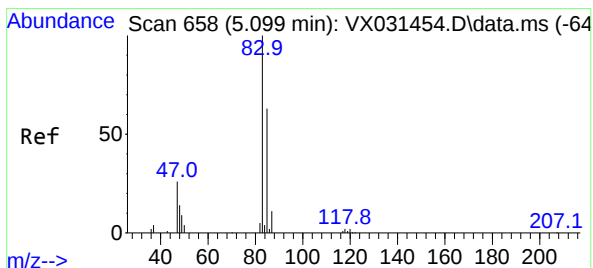
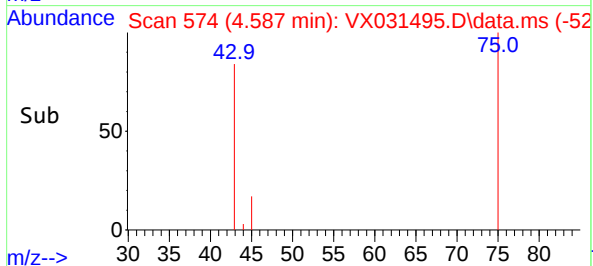
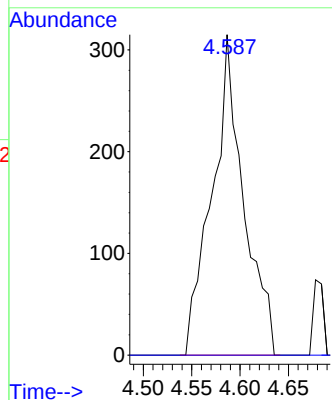
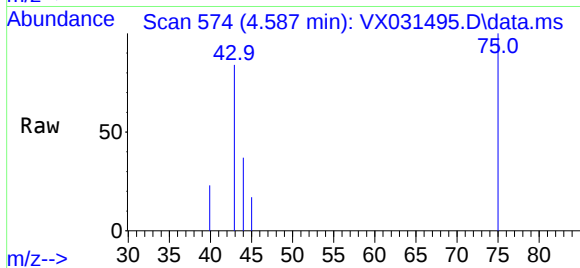
TOWER-1

Tgt Ion: 43 Resp: 717

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#30

Chloroform

Concen: 0.854 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX031495.D

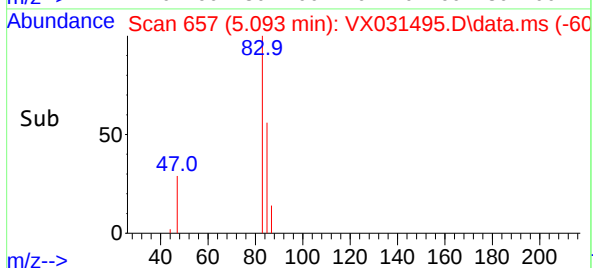
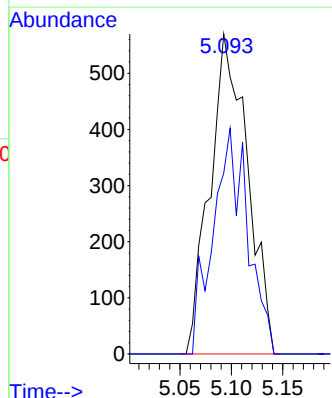
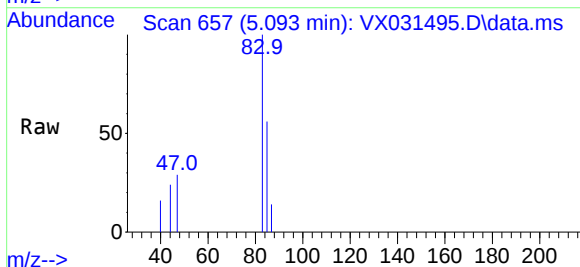
Acq: 20 Sep 2022 15:00

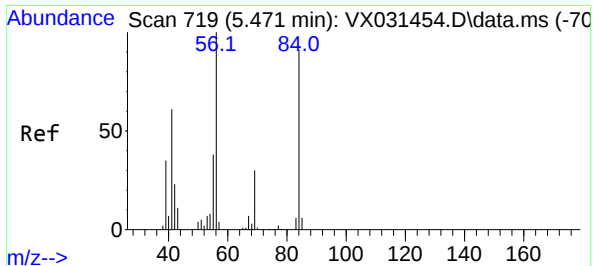
Tgt Ion: 83 Resp: 1453

Ion Ratio Lower Upper

83 100

85 56.5 52.8 79.2

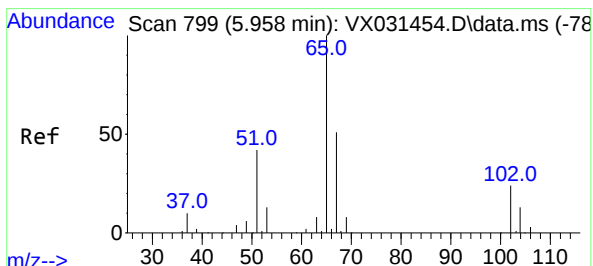
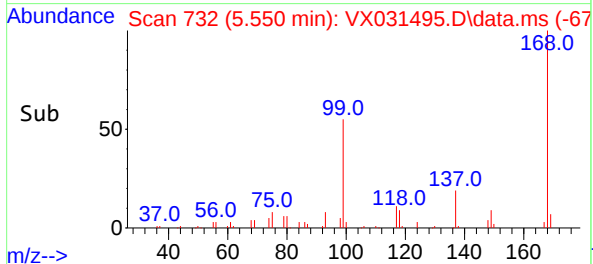
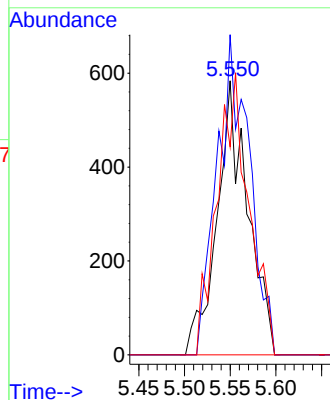
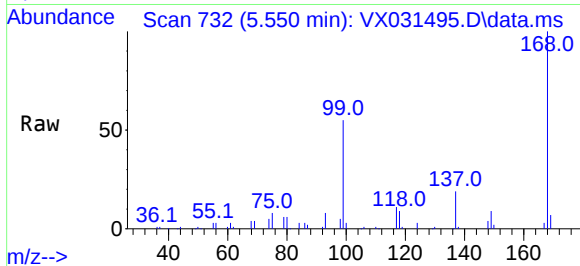




#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

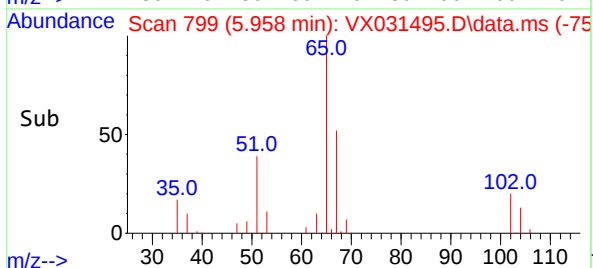
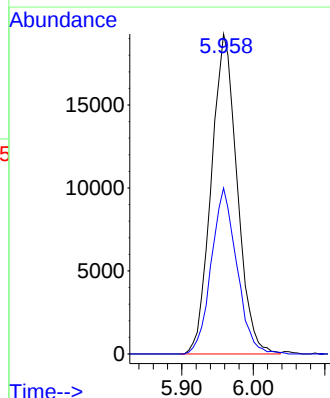
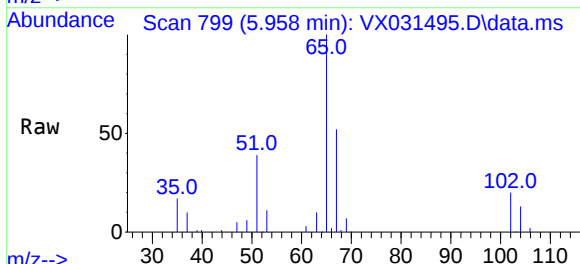
Instrument :
MSVOA_X
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TOWER-1

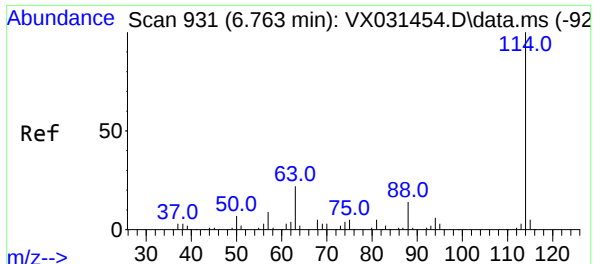
Tgt Ion: 56 Resp: 1369
Ion Ratio Lower Upper
56 100
69 116.8 25.1 37.7#
84 75.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 52.805 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 65 Resp: 48396
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

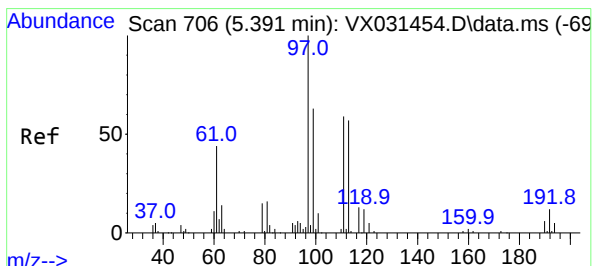
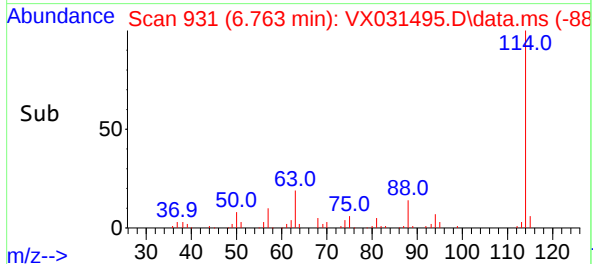
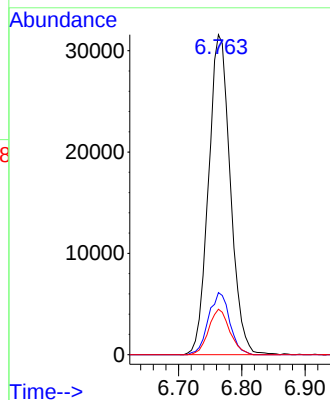
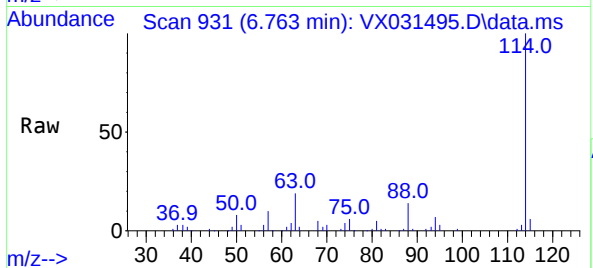




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

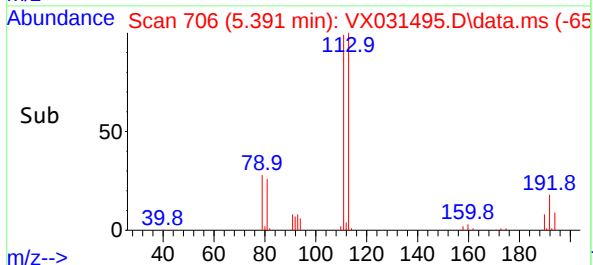
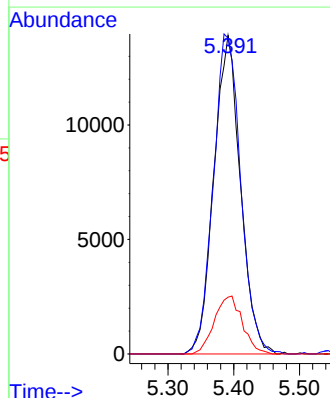
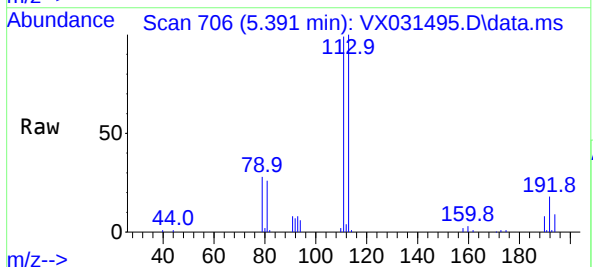
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

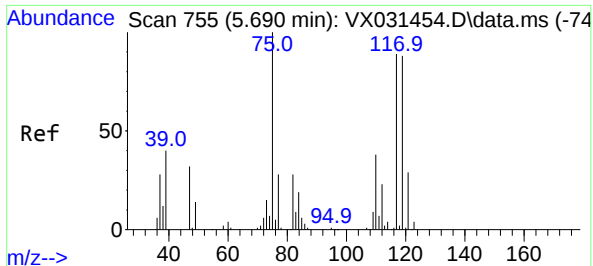
Tgt Ion:114 Resp: 75680
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.6
88 14.2 0.0 33.0



#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion:113 Resp: 39116
Ion Ratio Lower Upper
113 100
111 103.1 82.4 123.6
192 19.1 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.381 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX031495.D

Acq: 20 Sep 2022 15:00

Instrument :

MSVOA_X

ClientSampleId :

TOWER-1

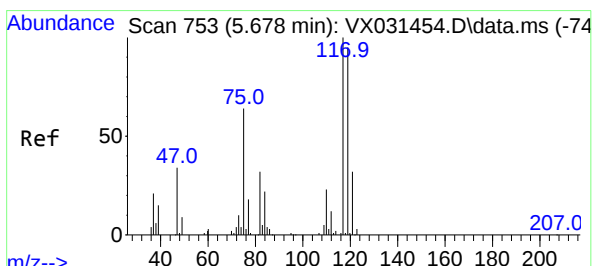
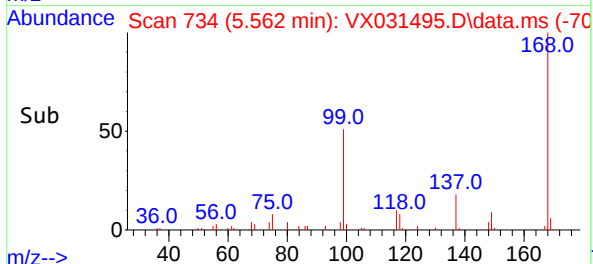
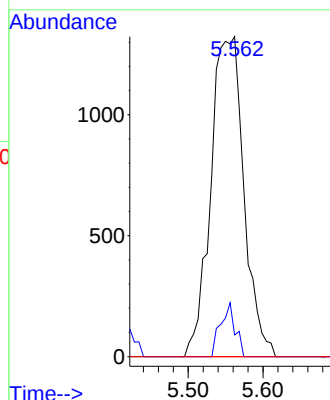
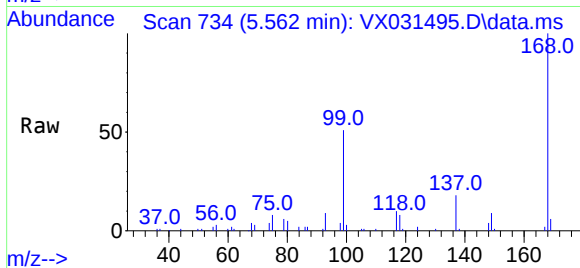
Tgt Ion: 75 Resp: 4067

Ion Ratio Lower Upper

75 100

110 7.5 17.5 52.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 3.706 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031495.D

Acq: 20 Sep 2022 15:00

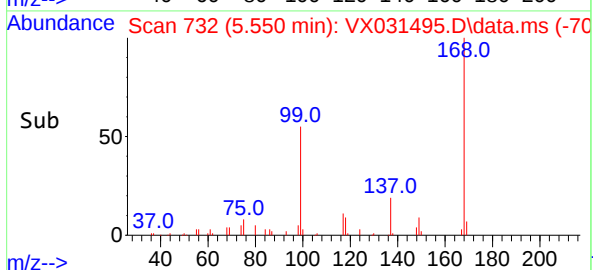
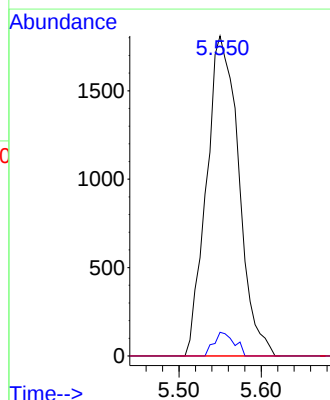
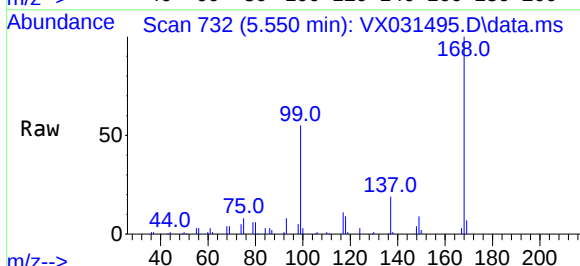
Tgt Ion: 117 Resp: 4941

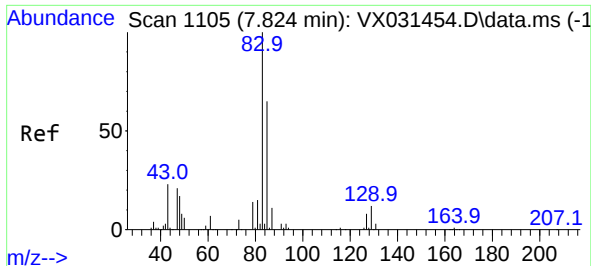
Ion Ratio Lower Upper

117 100

119 7.4 74.6 112.0#

121 0.0 25.3 37.9#

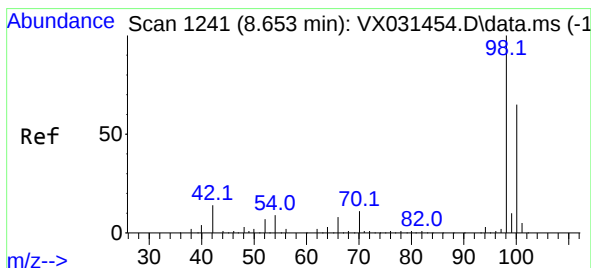
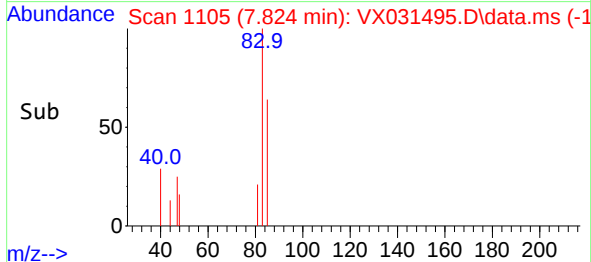
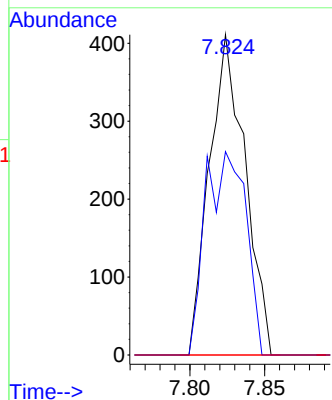
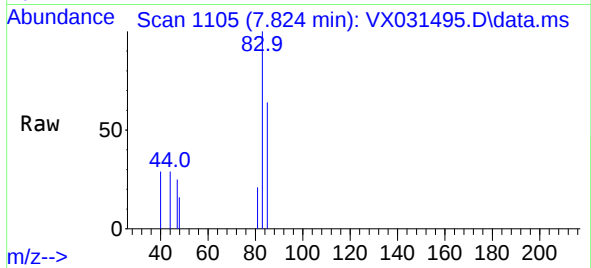




#47
Bromodichloromethane
Concen: 0.522 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

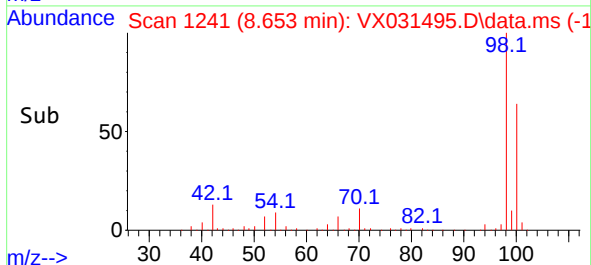
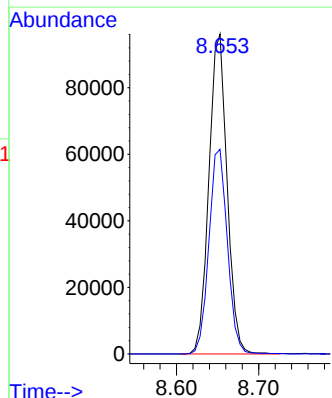
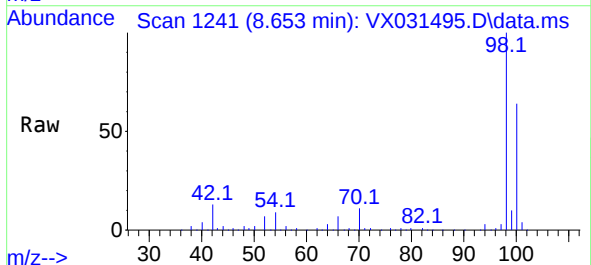
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

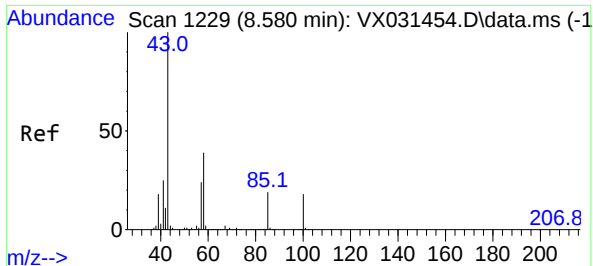
Tgt Ion: 83 Resp: 682
Ion Ratio Lower Upper
83 100
85 63.5 51.0 76.6
127 0.0 7.0 10.6#



#50
Toluene-d8
Concen: 48.955 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 98 Resp: 147608
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 0.286 ug/l

RT: 8.592 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX031495.D

Acq: 20 Sep 2022 15:00

Instrument :

MSVOA_X

ClientSampleId :

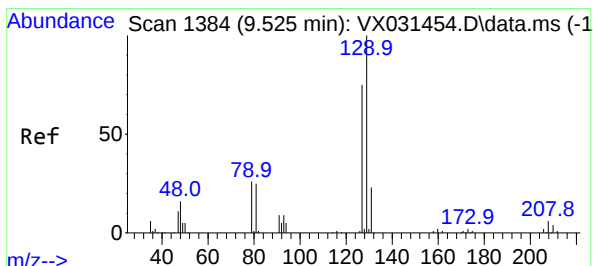
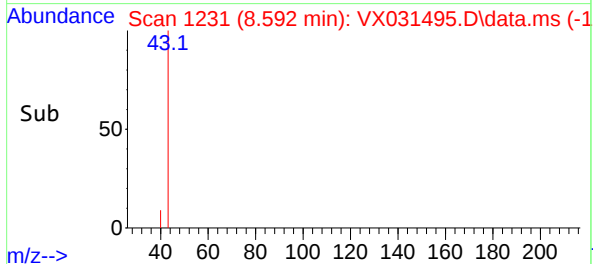
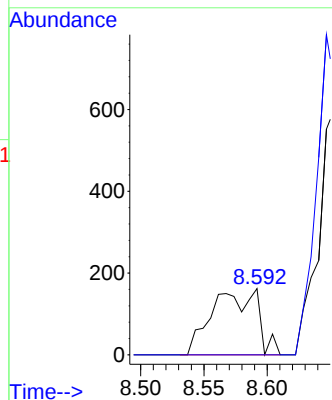
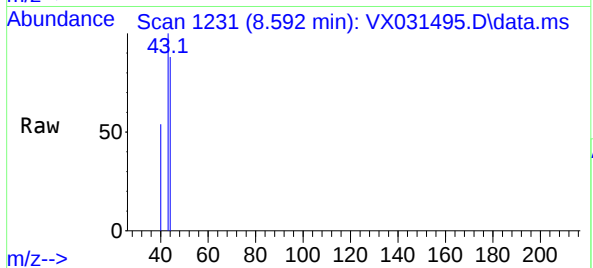
TOWER-1

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

58 0.0 30.6 46.0#



#60

Dibromochloromethane

Concen: 0.693 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VX031495.D

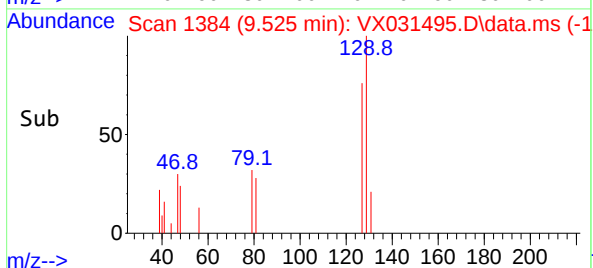
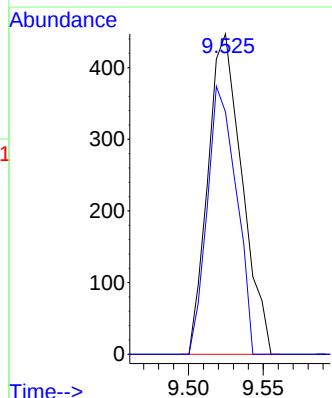
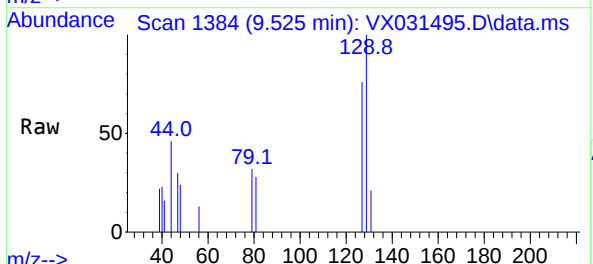
Acq: 20 Sep 2022 15:00

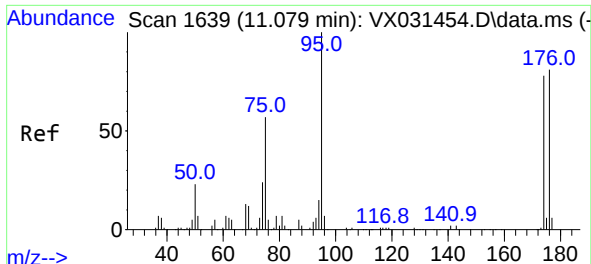
Tgt Ion: 129 Resp: 710

Ion Ratio Lower Upper

129 100

127 71.4 38.7 116.1

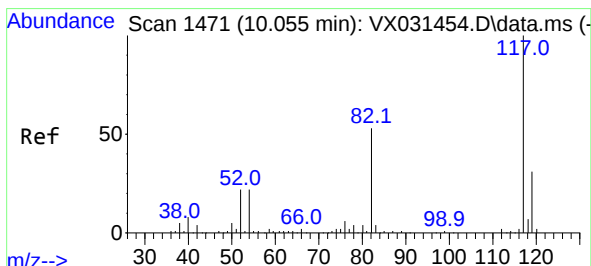
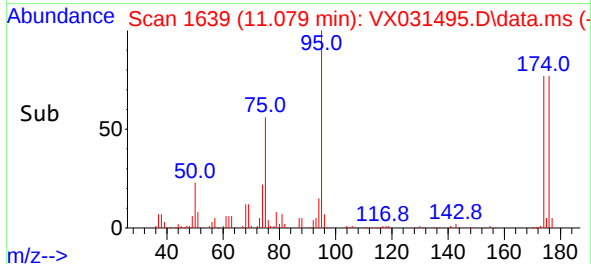
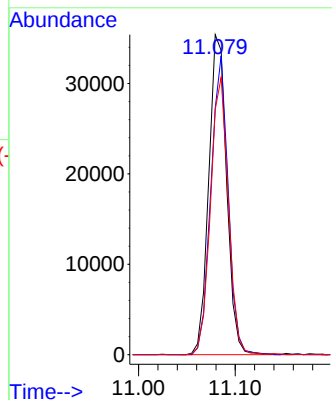
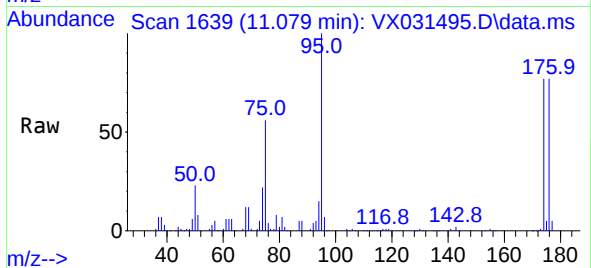




#62
4-Bromofluorobenzene
Concen: 44.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

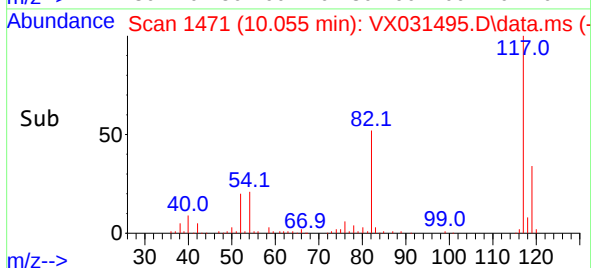
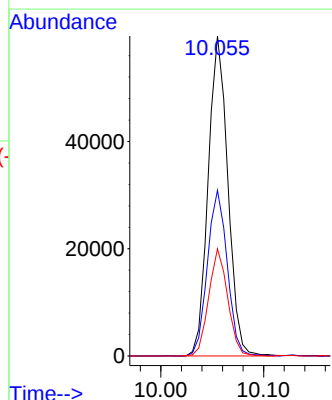
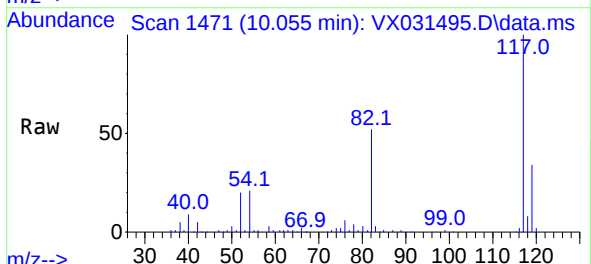
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

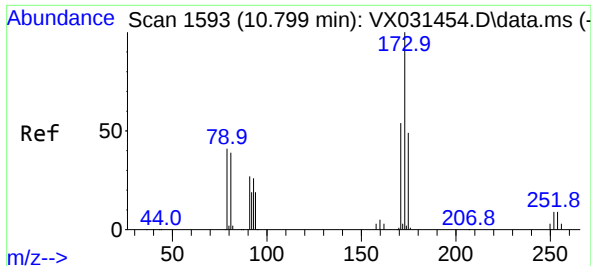
Tgt Ion: 95 Resp: 45508
Ion Ratio Lower Upper
95 100
174 90.1 0.0 153.2
176 86.1 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 117 Resp: 79361
Ion Ratio Lower Upper
117 100
82 51.8 46.8 70.2
119 33.5 26.4 39.6

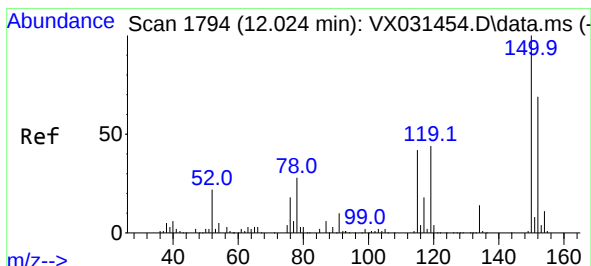
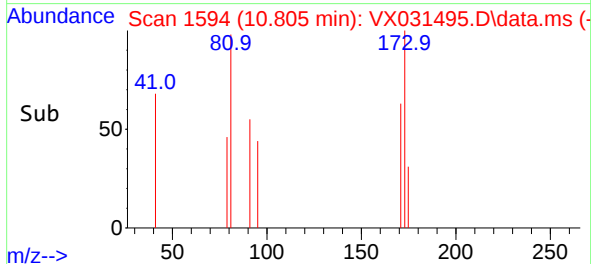
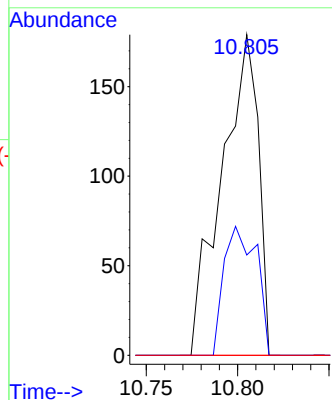
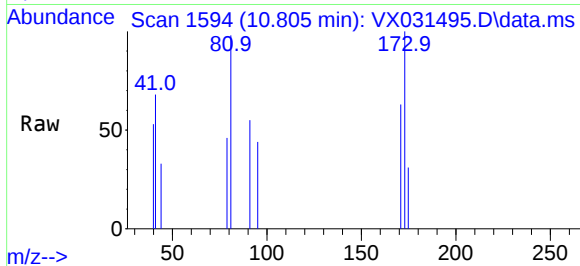




#71
Bromoform
Concen: 0.354 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

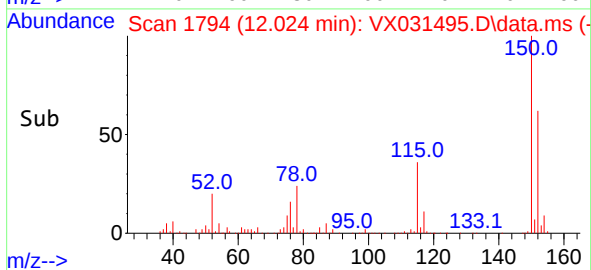
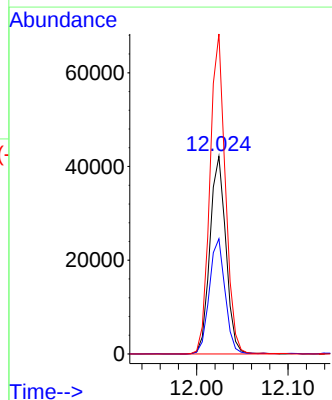
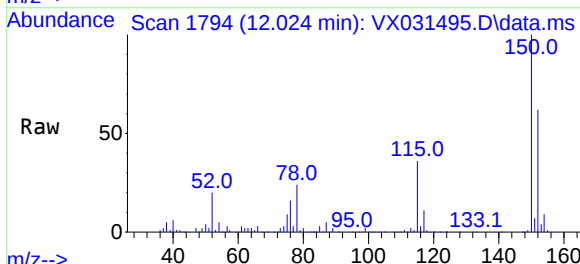
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

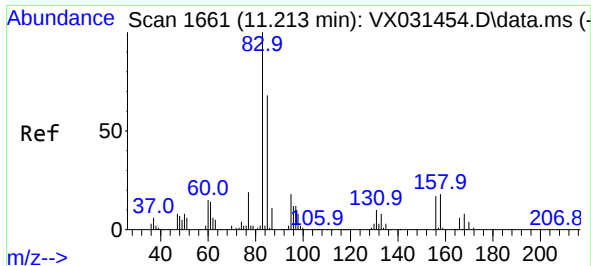
Tgt Ion:173	Resp:	250
Ion Ratio	Lower	Upper
173	100	
175	35.6	24.0 72.0
254	0.0	0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion:152	Resp:	51248
Ion Ratio	Lower	Upper
152	100	
115	57.9	43.4 130.1
150	156.8	0.0 346.8

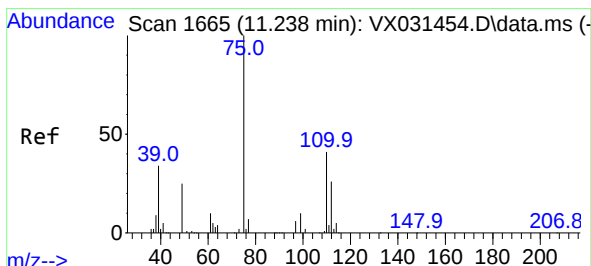
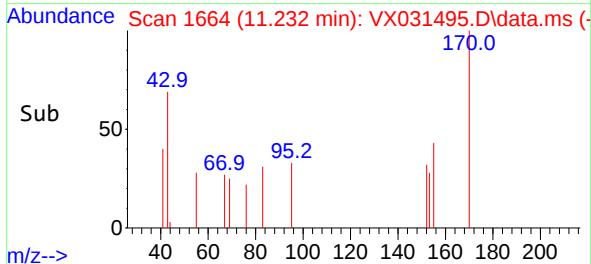
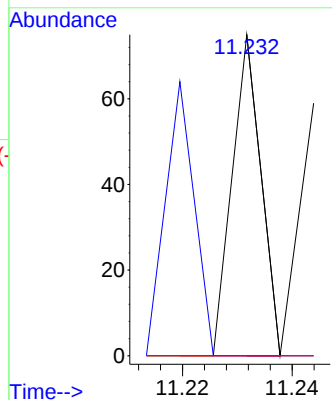
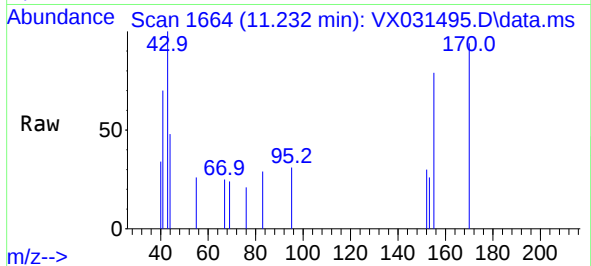




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.232 min Scan# 1664
Delta R.T. 0.019 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

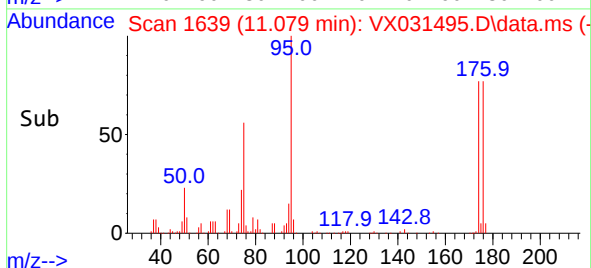
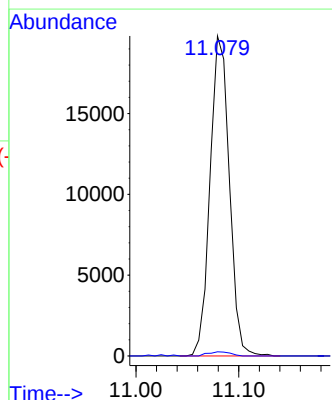
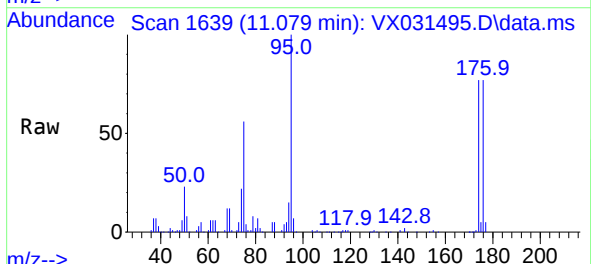
Instrument :
MSVOA_X
ClientSampleId :
TOWER-1

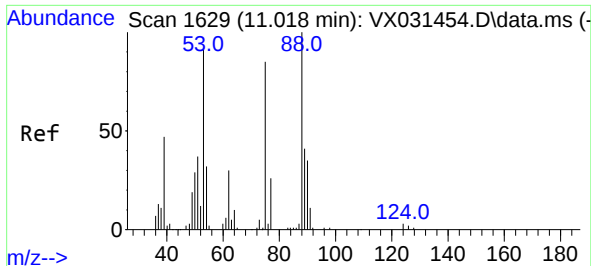
Tgt Ion: 83 Resp: 27
Ion Ratio Lower Upper
83 100
131 85.2 5.1 15.4#
85 0.0 32.6 97.8#



#76
1,2,3-Trichloropropane
Concen: 22.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031495.D
Acq: 20 Sep 2022 15:00

Tgt Ion: 75 Resp: 25821
Ion Ratio Lower Upper
75 100
77 1.5 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.687 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031495.D
 Acq: 20 Sep 2022 15:00

Instrument :
 MSVOA_X
 ClientSampleId :
 TOWER-1

Tgt Ion: 75 Resp: 25821
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

