

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051821\
 Data File : VX022059.D
 Acq On : 18 May 2021 14:21
 Operator : JC/MD
 Sample : M2434-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-SB-2

Quant Time: May 19 01:59:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 08 05:38:18 2021
 Response via : Initial Calibration

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

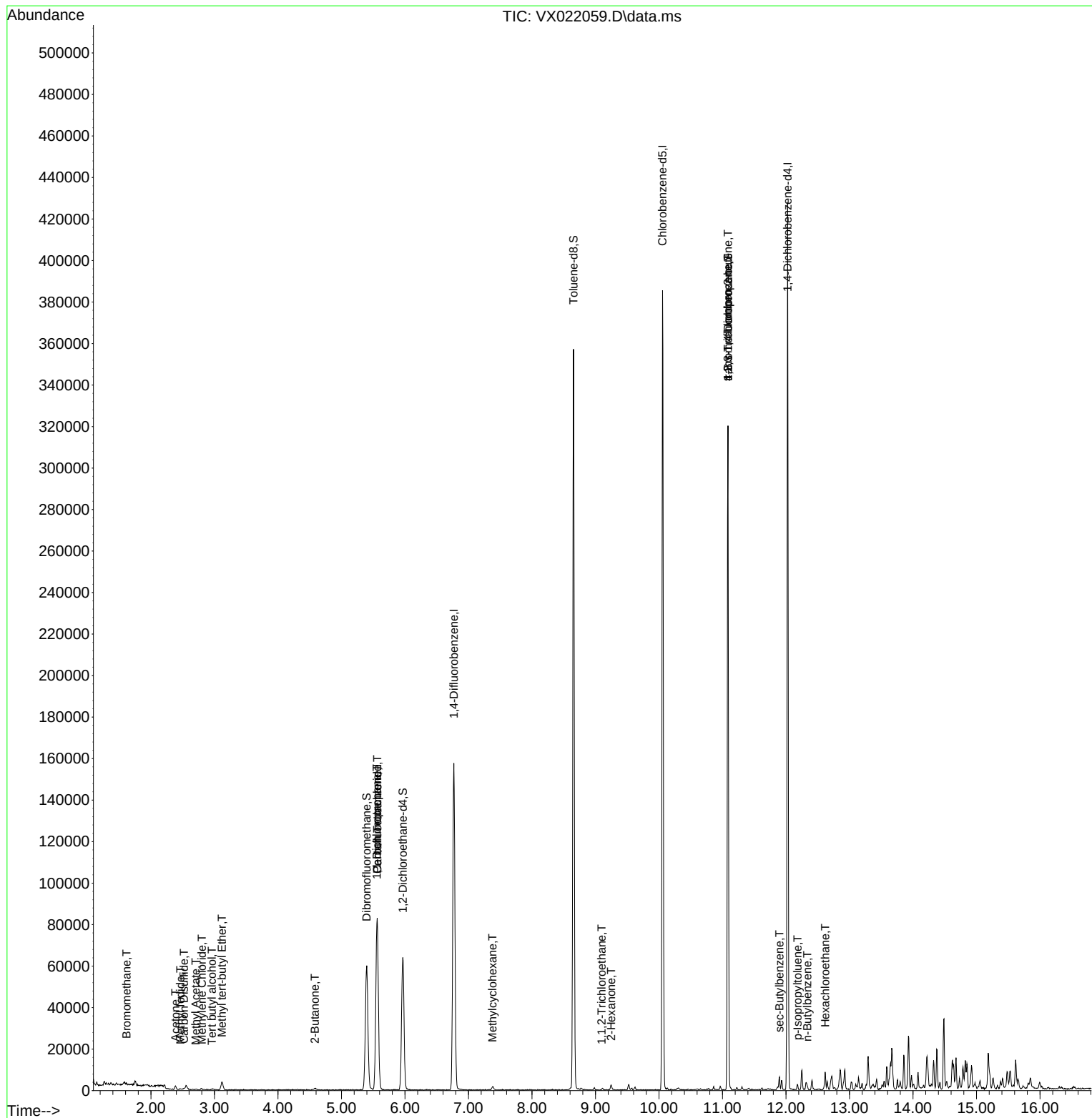
Internal Standards						
1) Pentafluorobenzene	5.562	168	72702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	159828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76831	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	60459	50.53	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	101.06%		
35) Dibromofluoromethane	5.397	113	51640	47.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.30%		
50) Toluene-d8	8.653	98	206069	49.30	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.60%		
62) 4-Bromofluorobenzene	11.085	95	87731	53.18	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.36%		
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	207	0.43	ug/l	81
10) Methyl Iodide	2.465	142	541	0.49	ug/l #	90
11) Tert butyl alcohol	2.959	59	510	1.60	ug/l #	73
13) Acrolein	2.233	56	20	Below Cal	#	1
16) Acetone	2.386	43	1785	3.33	ug/l	98
17) Carbon Disulfide	2.520	76	642	0.23	ug/l #	75
18) Methyl Acetate	2.703	43	356	0.24	ug/l #	47
19) Methyl tert-butyl Ether	3.117	73	4207	1.33	ug/l	97
20) Methylene Chloride	2.800	84	213	0.34	ug/l #	87
25) 2-Butanone	4.581	43	302	0.33	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	6518	3.85	ug/l #	44
38) Carbon Tetrachloride	5.562	117	8413	4.97	ug/l #	16
39) Methylcyclohexane	7.379	83	854	0.45	ug/l #	53
55) 1,1,2-Trichloroethane	9.098	97	298	0.23	ug/l #	15
59) 2-Hexanone	9.244	43	1524	0.92	ug/l	68
76) 1,2,3-Trichloropropane	11.085	75	45488	20.82	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	45488	48.31	ug/l #	12
85) sec-Butylbenzene	11.896	105	3026	0.43	ug/l	87
86) p-Isopropyltoluene	12.183	119	1534	0.25	ug/l	90
89) n-Butylbenzene	12.335	91	1128	0.20	ug/l #	62
90) Hexachloroethane	12.616	117	313	0.29	ug/l #	9

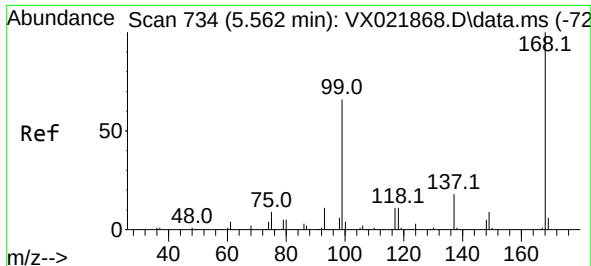
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TW-SB-2

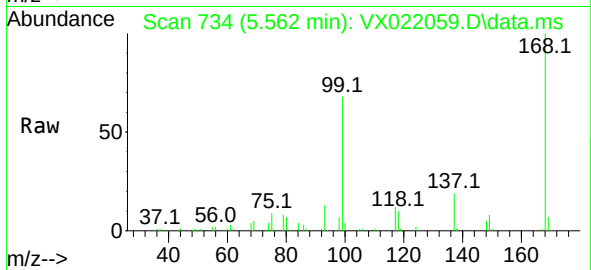
Quant Time: May 19 01:59:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050721W.M
Quant Title : SW846 8260
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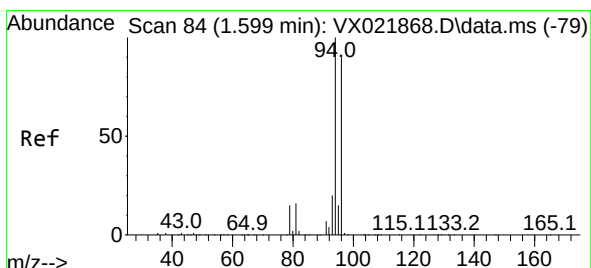
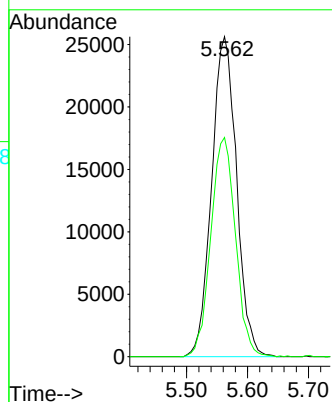
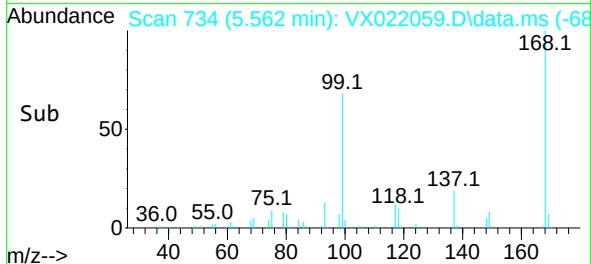


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

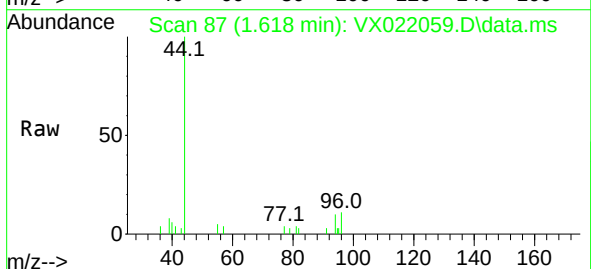
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2



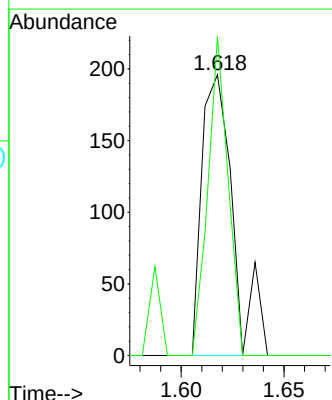
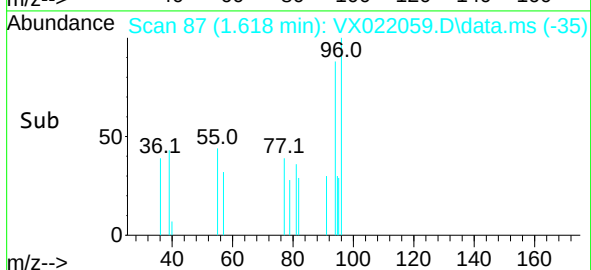
Tgt Ion: 168 Resp: 72702
Ion Ratio Lower Upper
168 100
99 68.5 45.8 68.6

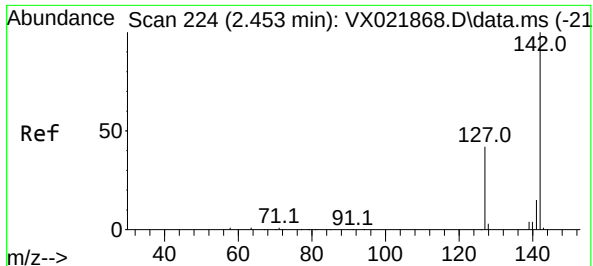


#5
Bromomethane
Concen: 0.43 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21



Tgt Ion: 94 Resp: 207
Ion Ratio Lower Upper
94 100
96 113.8 76.4 114.6

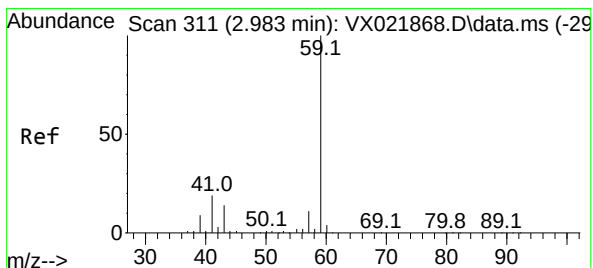
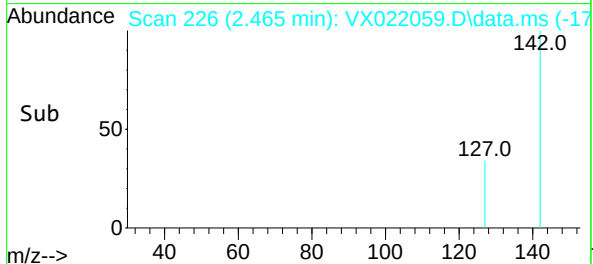
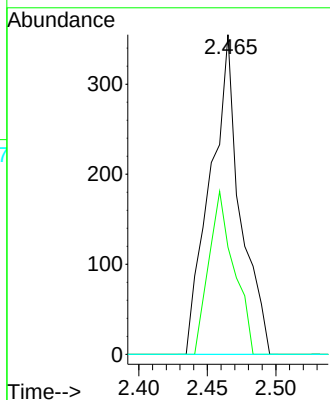
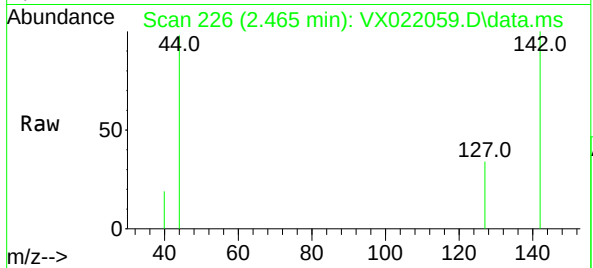




#10
Methyl Iodide
Concen: 0.49 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

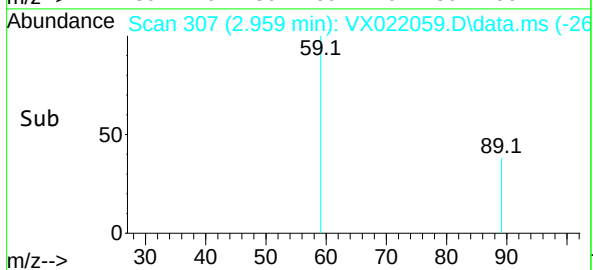
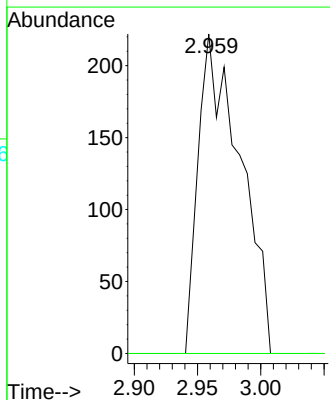
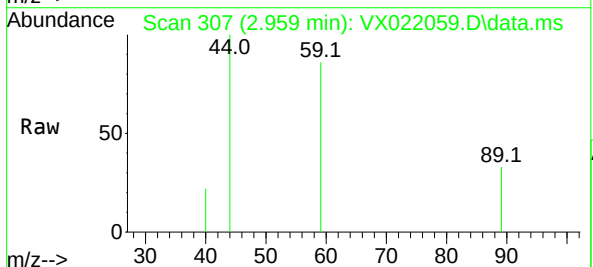
Instrument :
MSVOA_X
ClientSampled :
TW-SB-2

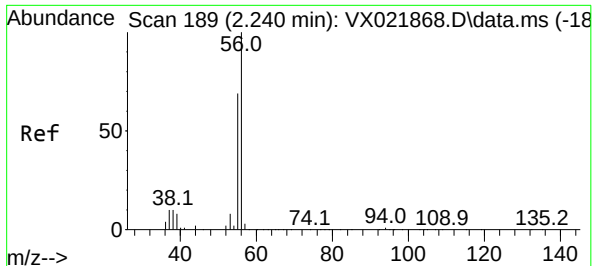
Tgt Ion:142 Resp: 541
Ion Ratio Lower Upper
142 100
127 42.9 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.60 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

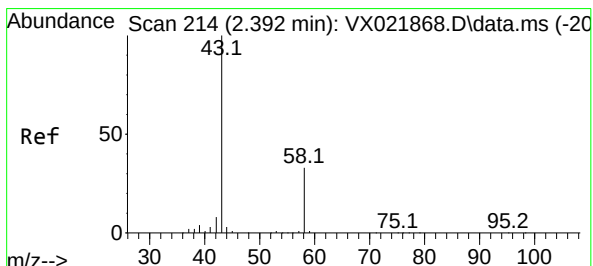
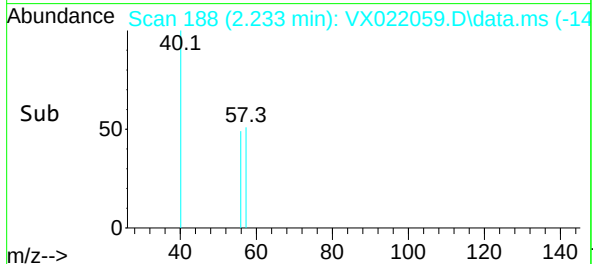
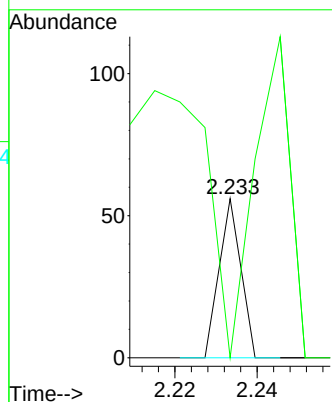
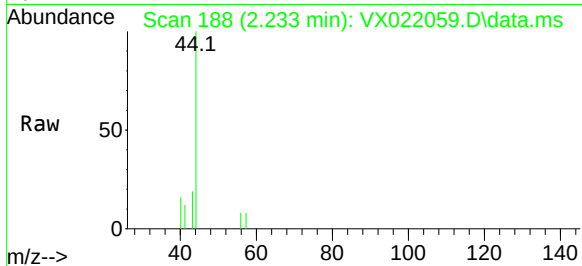




#13
Acrolein
Concen: Below Cal
RT: 2.233 min Scan# 188
Delta R.T. -0.007 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

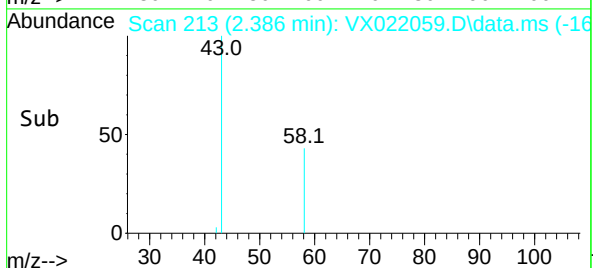
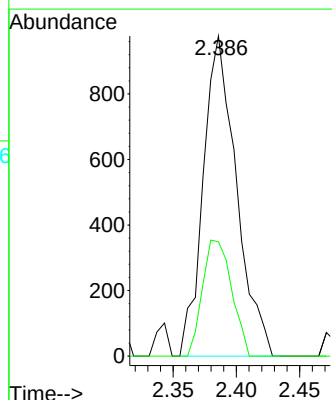
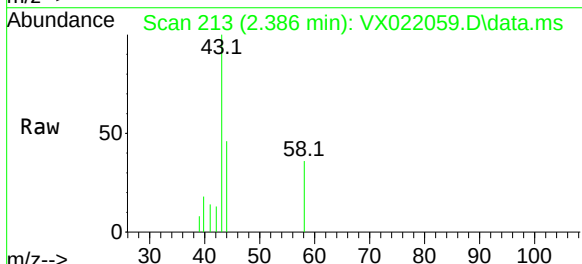
Instrument :
MSVOA_X
ClientSampled :
TW-SB-2

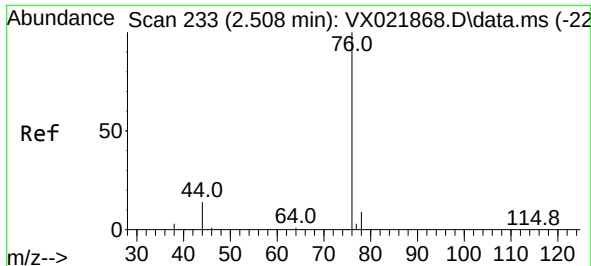
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 335.0 56.4 84.6#



#16
Acetone
Concen: 3.33 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 43 Resp: 1785
Ion Ratio Lower Upper
43 100
58 35.7 27.8 41.8

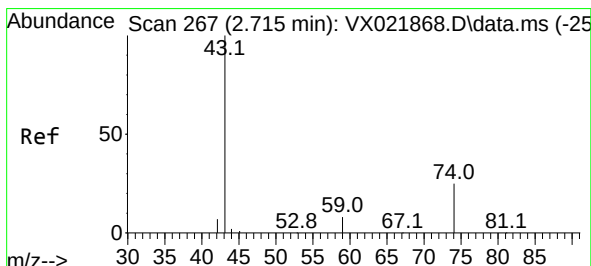
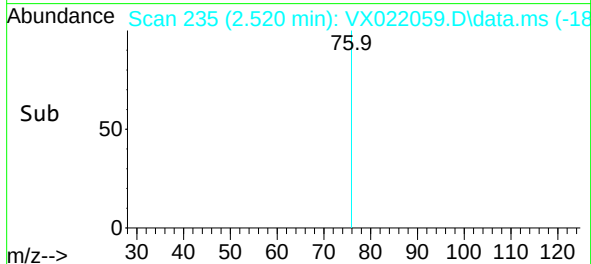
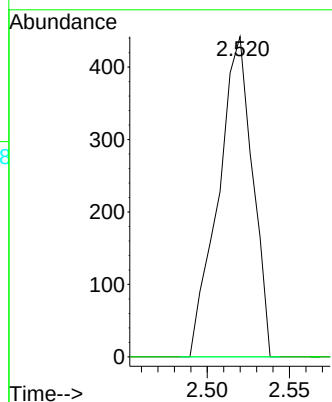
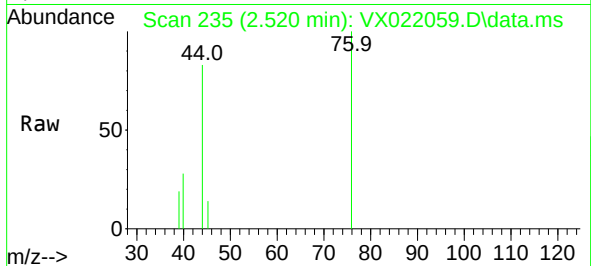




#17
Carbon Disulfide
Concen: 0.23 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.012 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

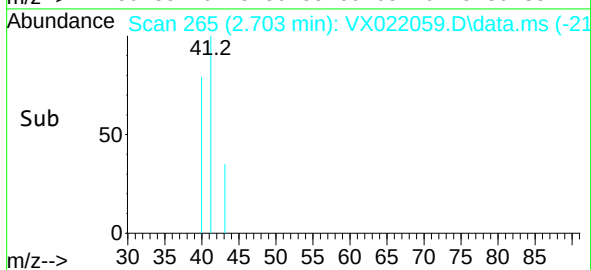
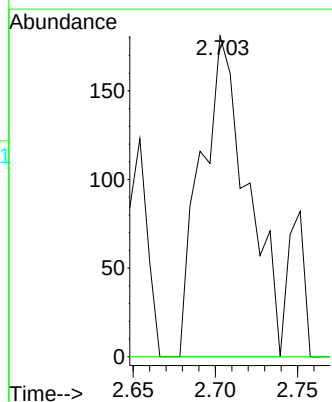
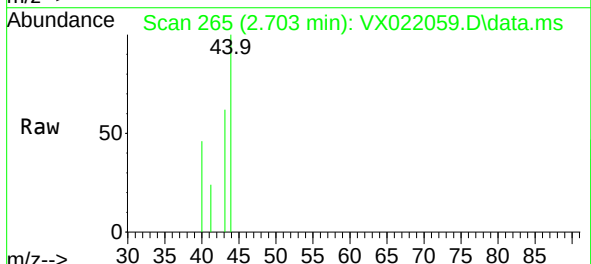
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

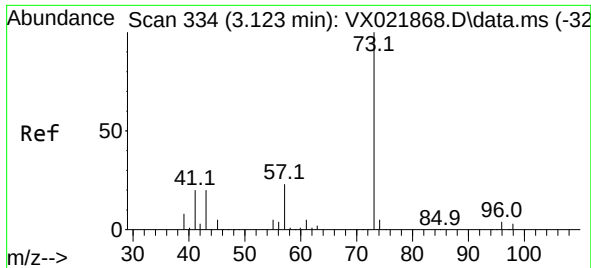
Tgt Ion: 76 Resp: 642
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.24 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.012 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

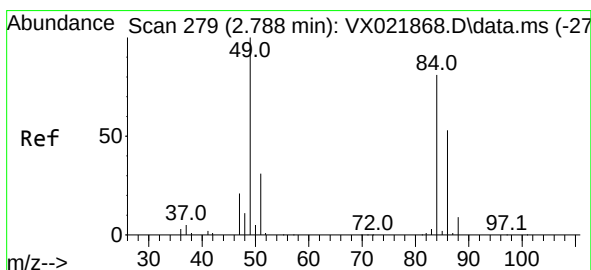
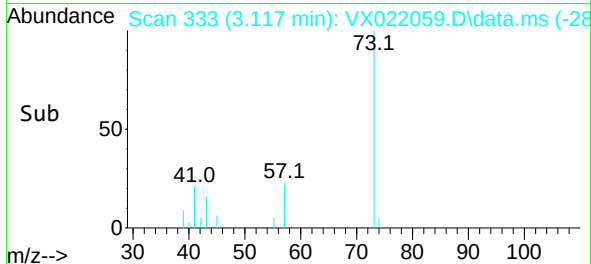
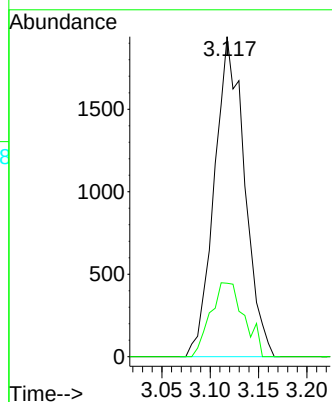
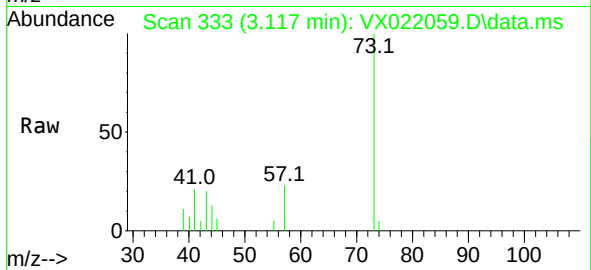




#19
Methyl tert-butyl Ether
Concen: 1.33 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.006 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

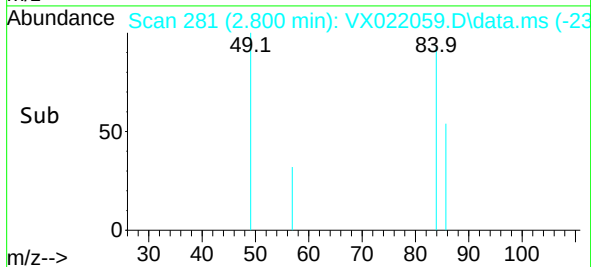
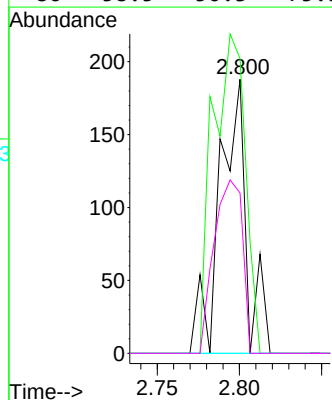
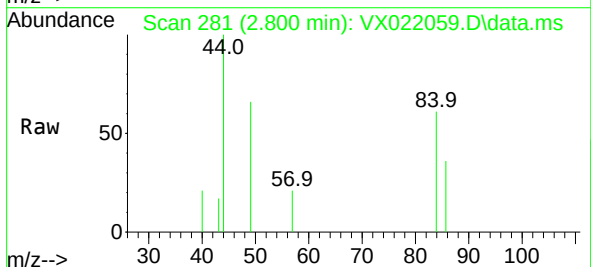
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

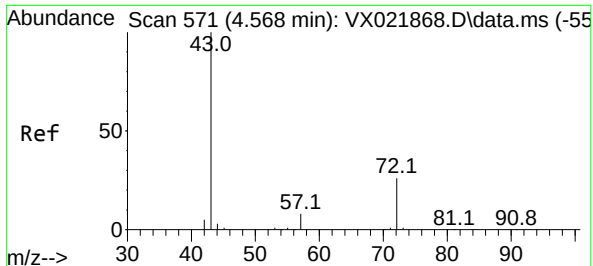
Tgt Ion: 73 Resp: 4207
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7



#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 84 Resp: 213
Ion Ratio Lower Upper
84 100
49 107.4 88.6 132.8
51 0.0 27.0 40.6#
86 58.5 50.3 75.5





#25

2-Butanone

Concen: 0.33 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.013 min

Lab File: VX022059.D

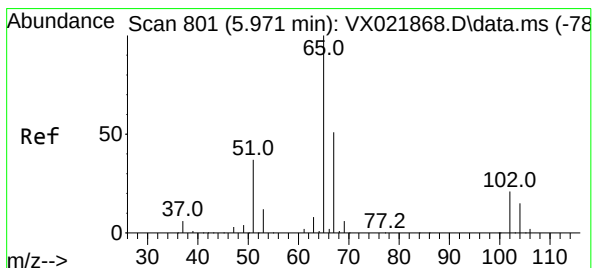
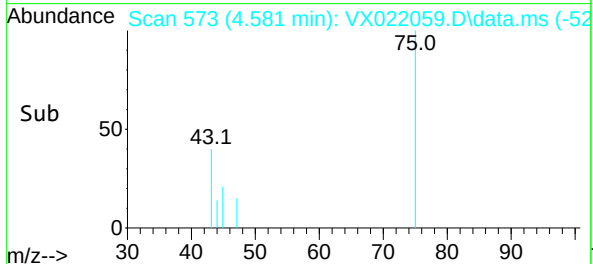
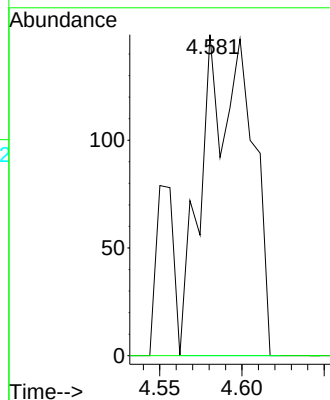
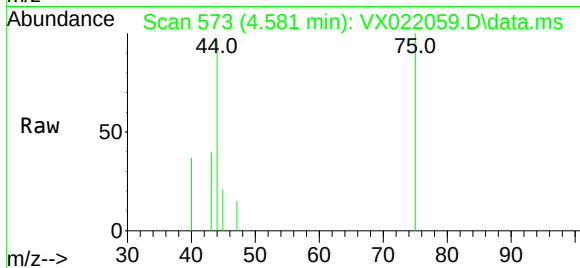
Acq: 18 May 2021 14:21

Tgt Ion: 43 Resp: 302

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#33

1,2-Dichloroethane-d4

Concen: 50.53 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.007 min

Lab File: VX022059.D

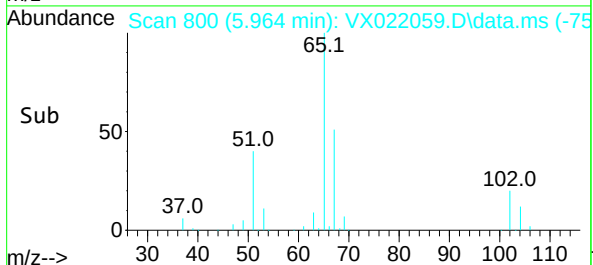
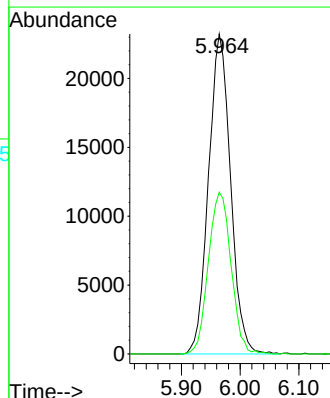
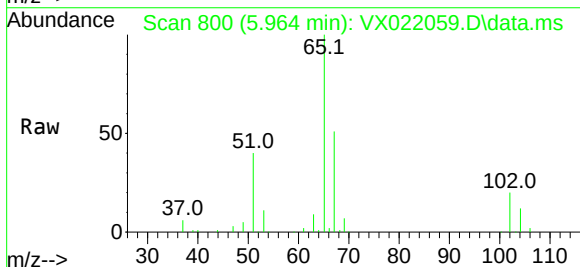
Acq: 18 May 2021 14:21

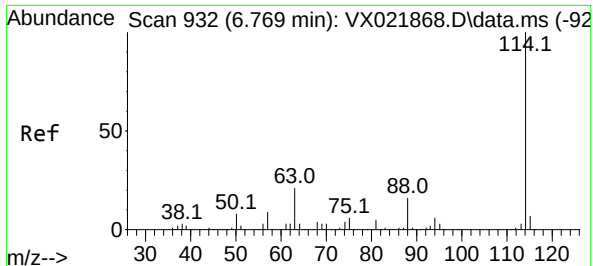
Tgt Ion: 65 Resp: 60459

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4

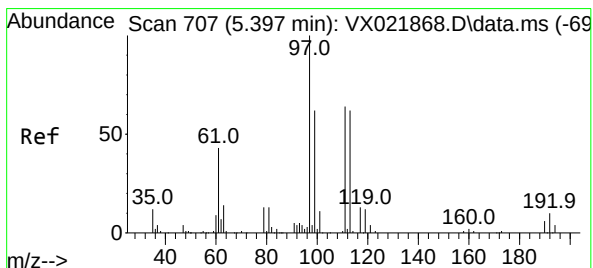
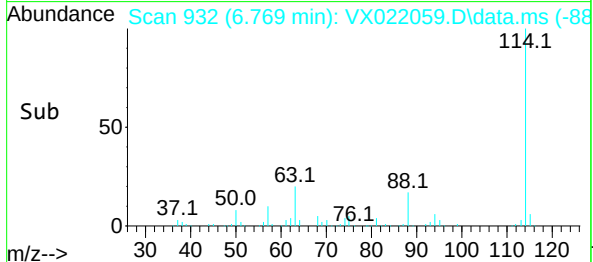
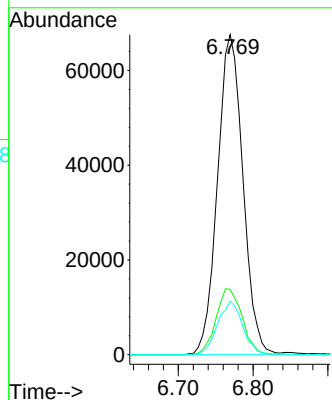
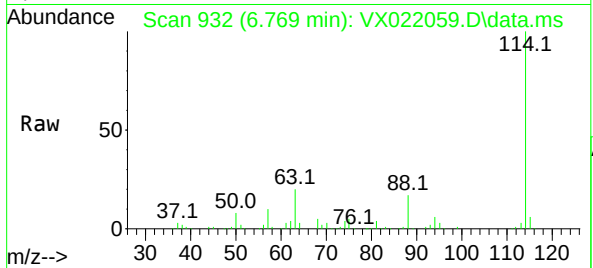




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

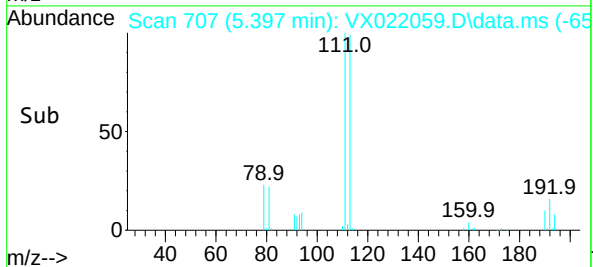
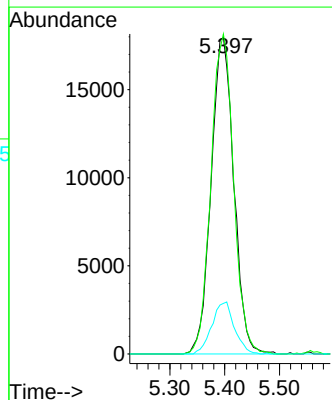
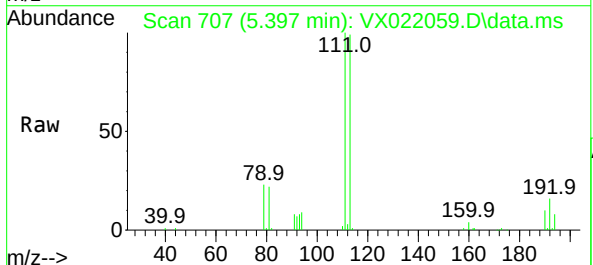
Instrument :
MSVOA_X
ClientSampled :
TW-SB-2

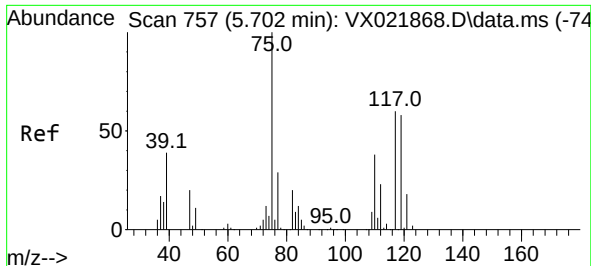
Tgt Ion:114 Resp: 159828
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.15 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion:113 Resp: 51640
Ion Ratio Lower Upper
113 100
111 101.0 81.9 122.9
192 16.3 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 3.85 ug/l

RT: 5.556 min Scan# 733

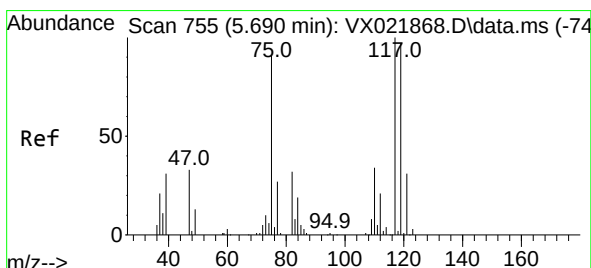
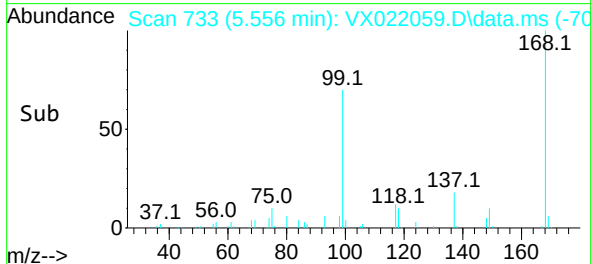
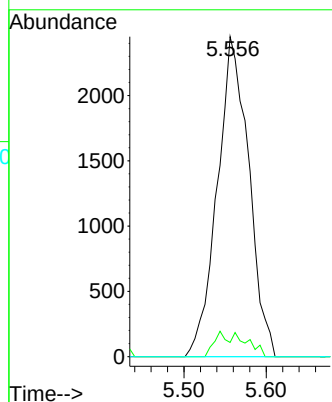
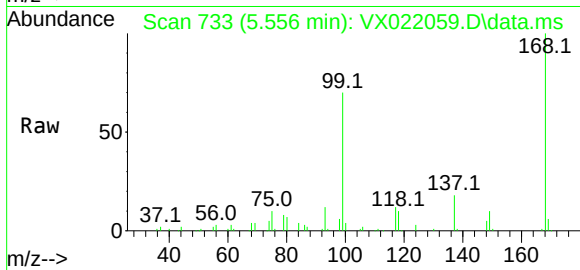
Delta R.T. -0.146 min

Lab File: VX022059.D

Acq: 18 May 2021 14:21

Tgt Ion:	75	Resp:	6518
Ion	Ratio	Lower	Upper
75	100		
110	3.5	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2



#38

Carbon Tetrachloride

Concen: 4.97 ug/l

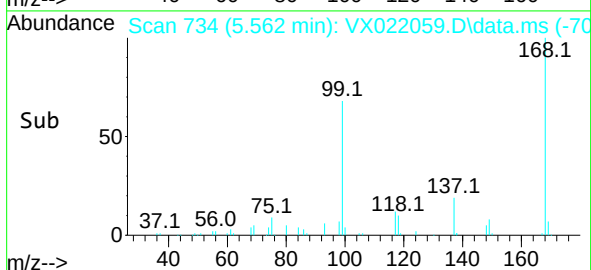
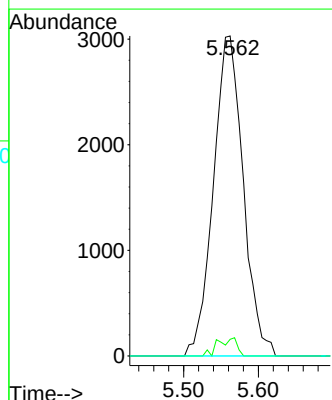
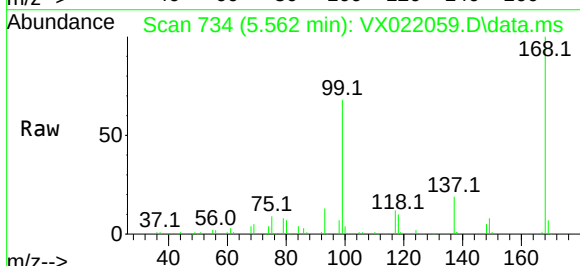
RT: 5.562 min Scan# 734

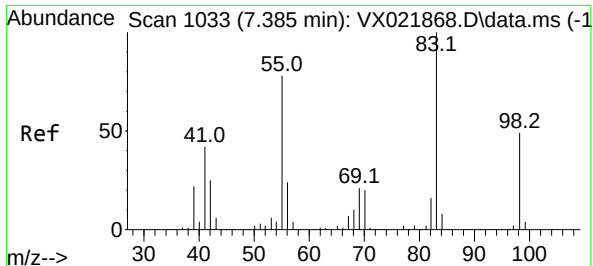
Delta R.T. -0.128 min

Lab File: VX022059.D

Acq: 18 May 2021 14:21

Tgt Ion:	117	Resp:	8413
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.2#
121	0.0	24.8	37.2#





#39

Methylcyclohexane

Concen: 0.45 ug/l

RT: 7.379 min Scan# 1032

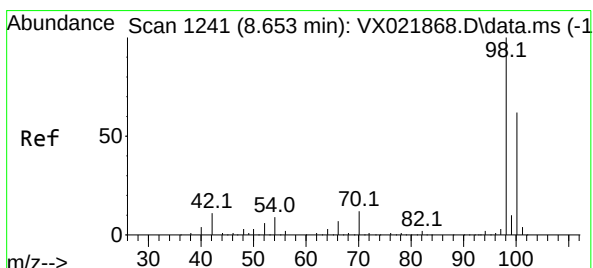
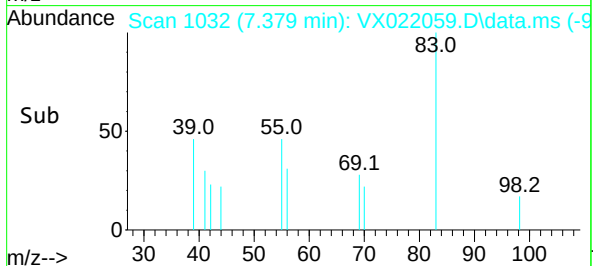
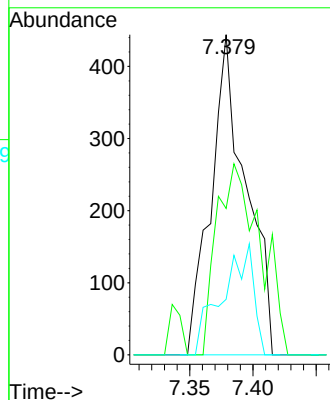
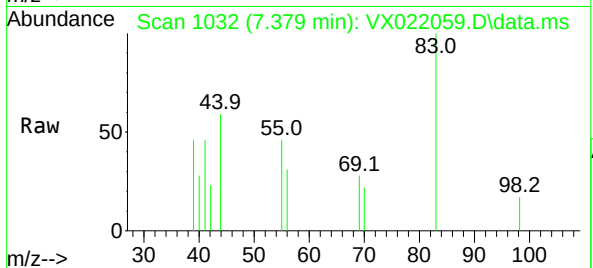
Delta R.T. -0.006 min

Lab File: VX022059.D

Acq: 18 May 2021 14:21

Tgt Ion: 83	Resp: 854
Ion Ratio	Lower Upper
83 100	
55 33.3	58.9 88.3#
98 17.3	38.1 57.1#

Instrument :
MSVOA_X
ClientSampled :
TW-SB-2



#50

Toluene-d8

Concen: 49.30 ug/l

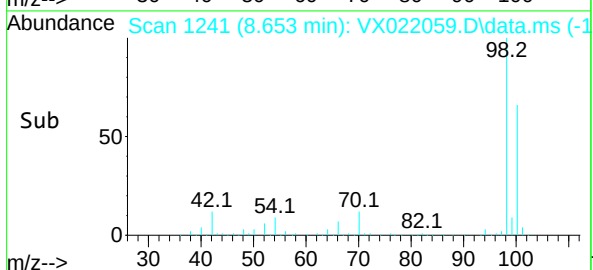
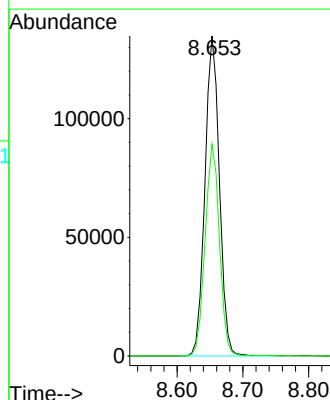
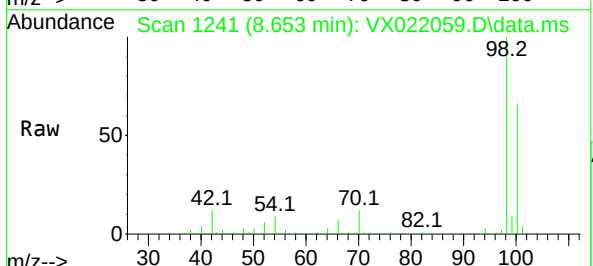
RT: 8.653 min Scan# 1241

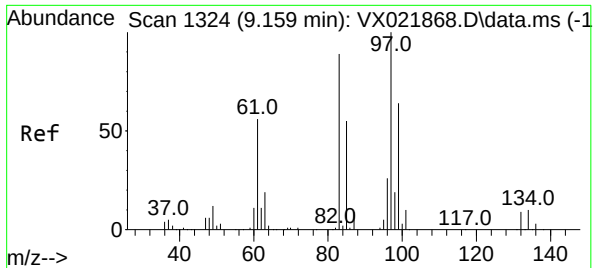
Delta R.T. -0.000 min

Lab File: VX022059.D

Acq: 18 May 2021 14:21

Tgt Ion: 98	Resp: 206069
Ion Ratio	Lower Upper
98 100	
100 65.7	51.9 77.9

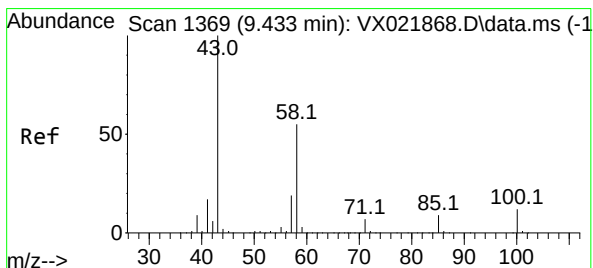
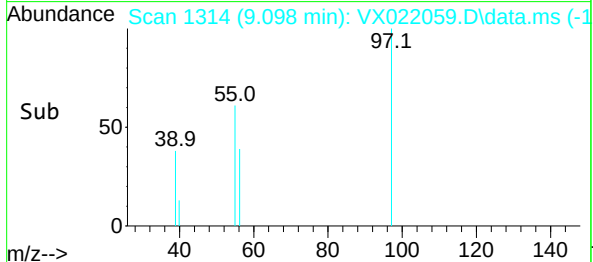
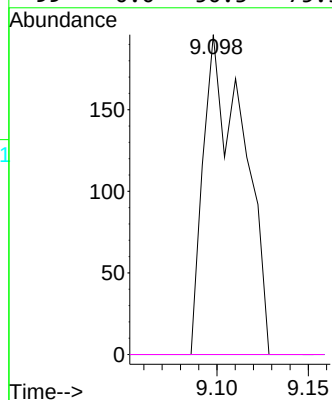
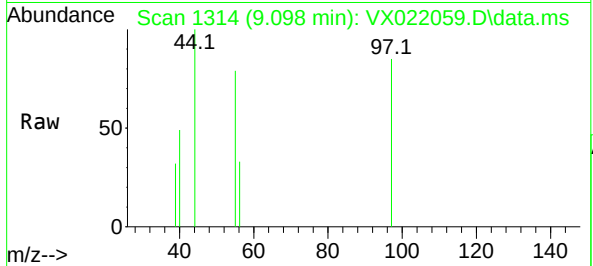




#55
1,1,2-Trichloroethane
Concen: 0.23 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.061 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

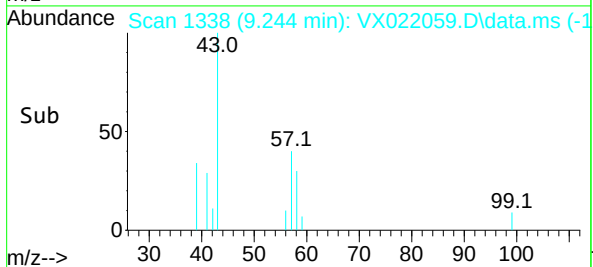
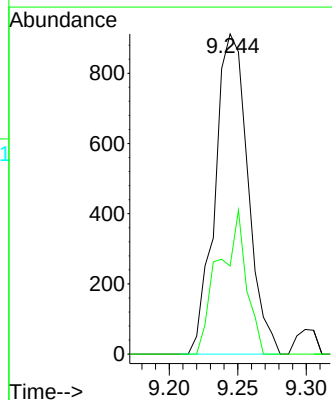
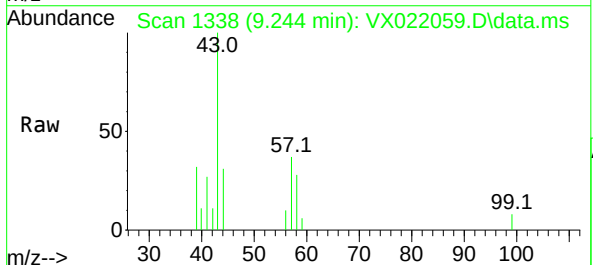
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

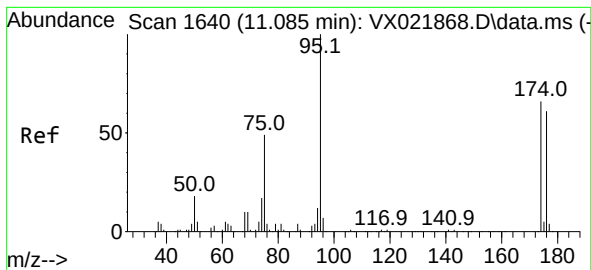
Tgt Ion:	97	Resp:	298
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.3	103.9#
85	0.0	44.3	66.5#
99	0.0	50.3	75.5#



#59
2-Hexanone
Concen: 0.92 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. -0.189 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion:	43	Resp:	1524
Ion	Ratio	Lower	Upper
43	100		
58	37.5	30.9	92.8

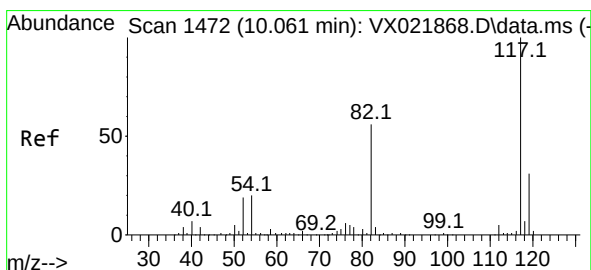
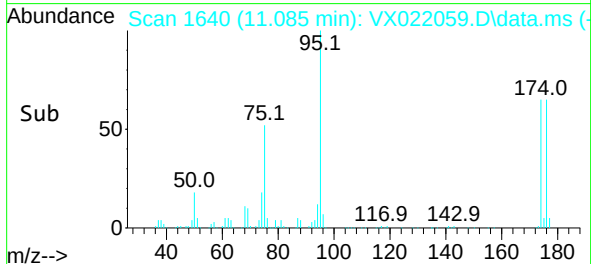
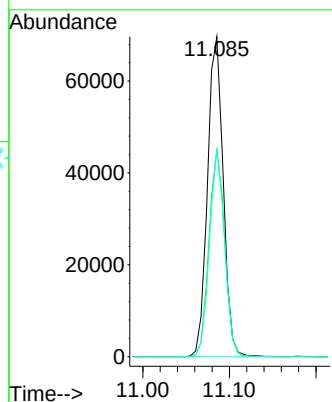
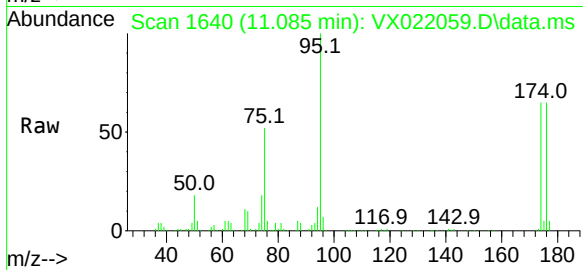




#62
4-Bromofluorobenzene
Concen: 53.18 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

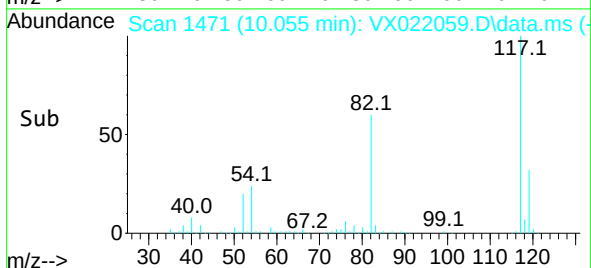
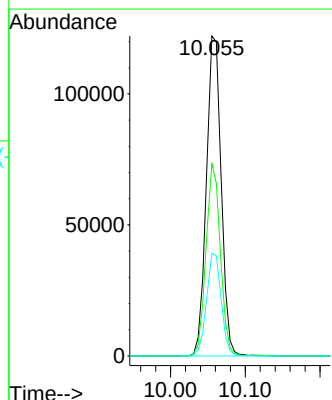
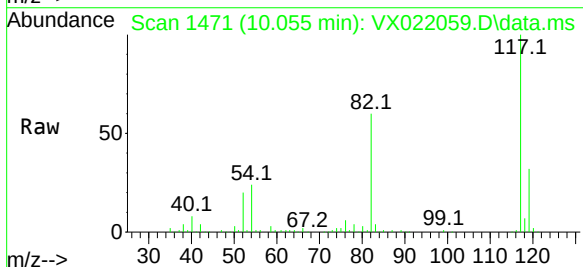
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

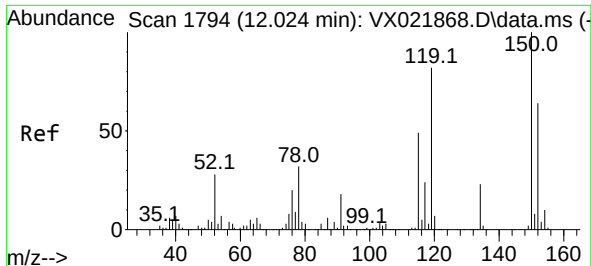
Tgt Ion: 95 Resp: 87731
Ion Ratio Lower Upper
95 100
174 64.8 0.0 154.6
176 61.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 117 Resp: 168254
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 32.1 26.6 39.8

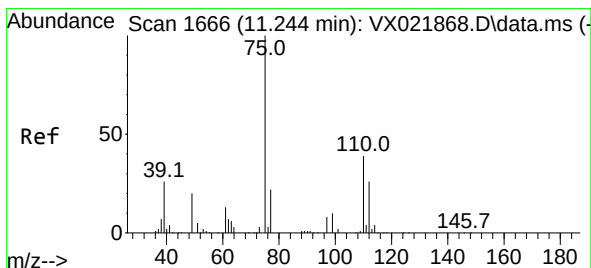
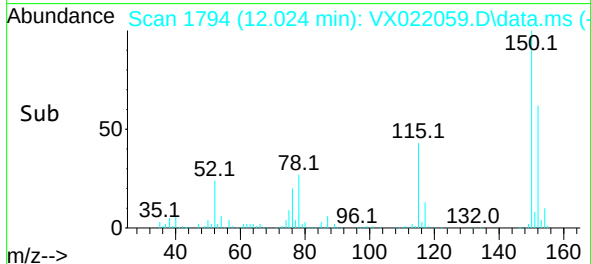
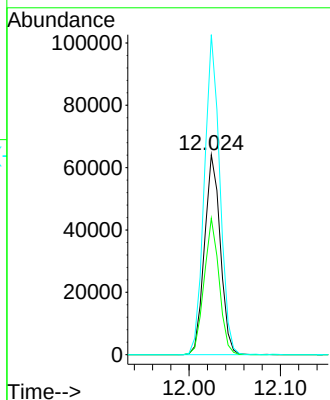
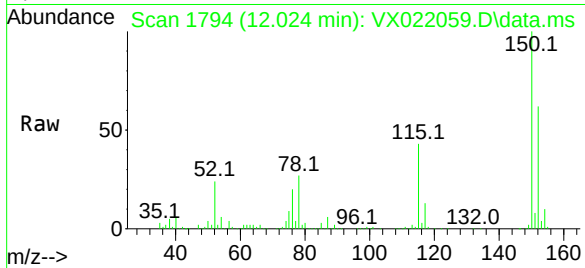




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022059.D
 Acq: 18 May 2021 14:21

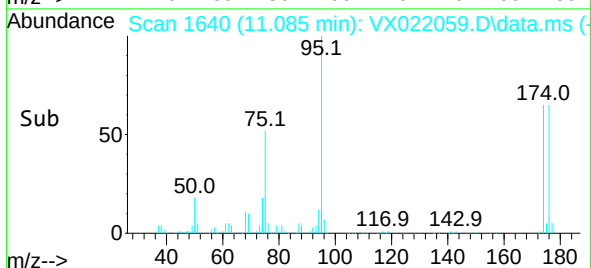
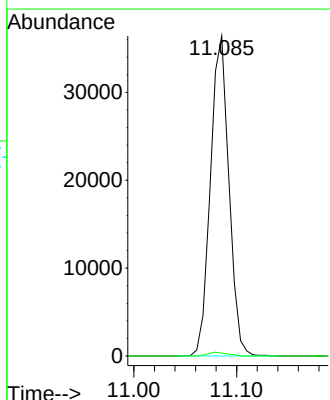
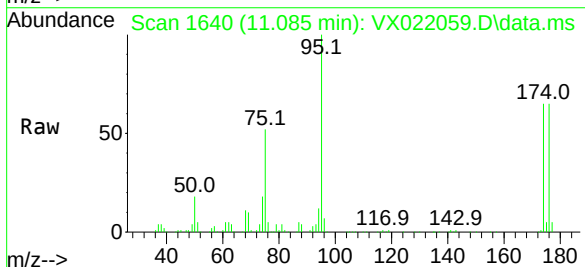
Instrument :
 MSVOA_X
 ClientSampled :
 TW-SB-2

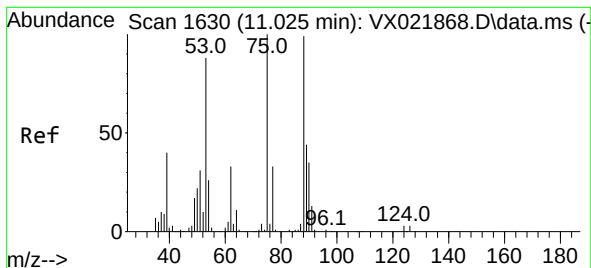
Tgt Ion:152 Resp: 76831
 Ion Ratio Lower Upper
 152 100
 115 64.8 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 20.82 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX022059.D
 Acq: 18 May 2021 14:21

Tgt Ion: 75 Resp: 45488
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

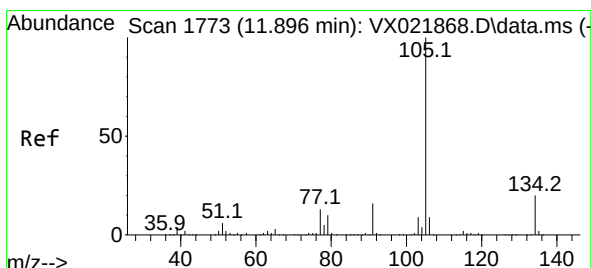
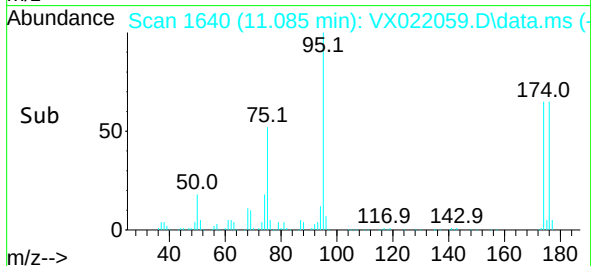
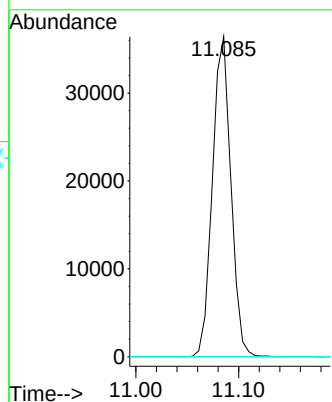
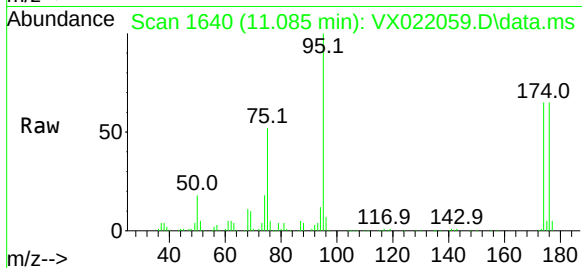




#81
trans-1,4-Dichloro-2-butene
Concen: 48.31 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

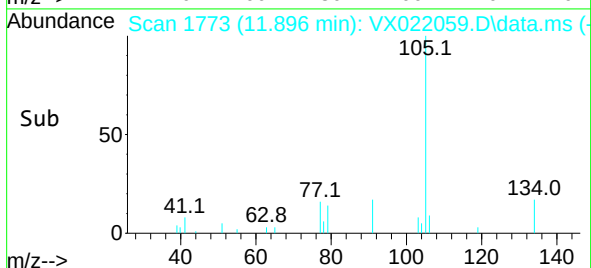
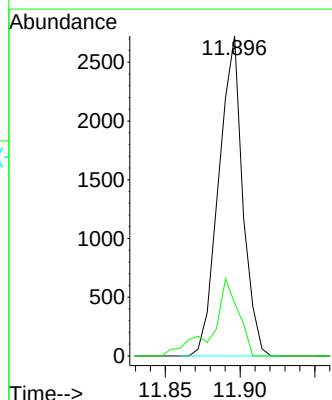
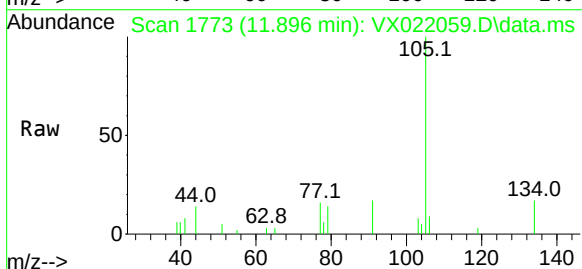
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

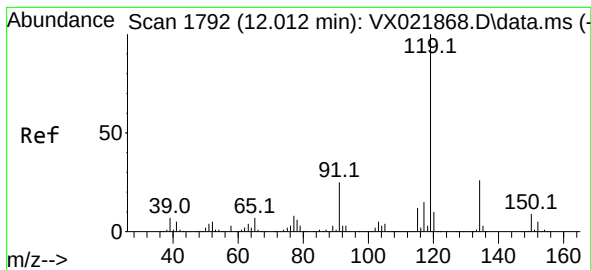
Tgt Ion: 75 Resp: 45488
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#85
sec-Butylbenzene
Concen: 0.43 ug/l
RT: 11.896 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 105 Resp: 3026
Ion Ratio Lower Upper
105 100
134 26.0 10.0 29.8

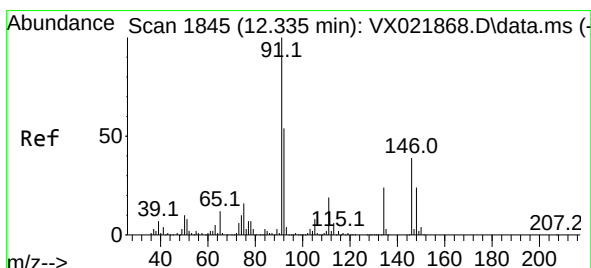
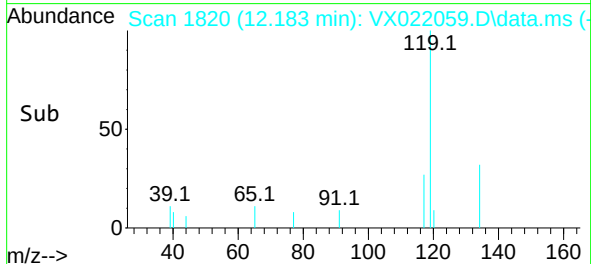
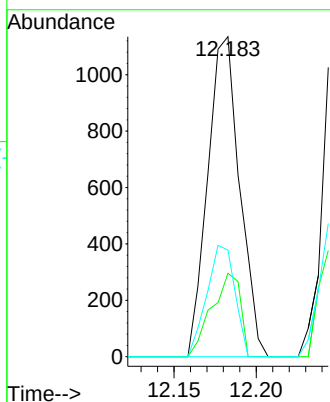
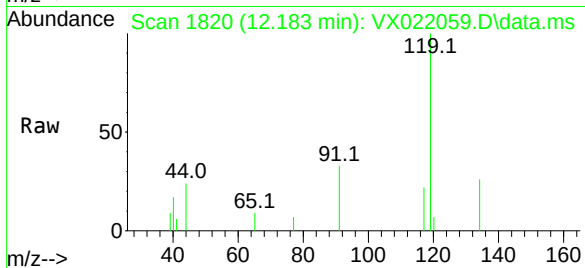




#86
p-Isopropyltoluene
Concen: 0.25 ug/l
RT: 12.183 min Scan# 1820
Delta R.T. 0.171 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

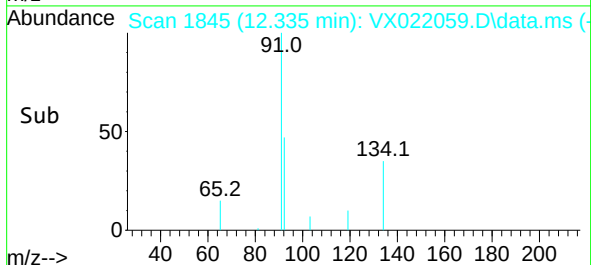
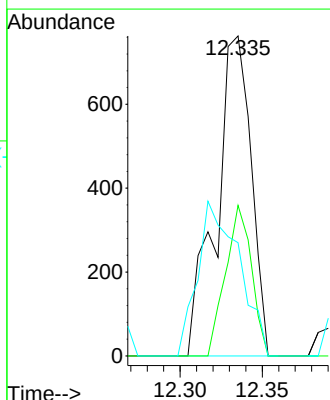
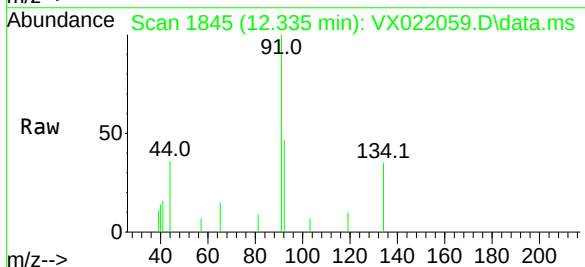
Instrument :
MSVOA_X
ClientSampleId :
TW-SB-2

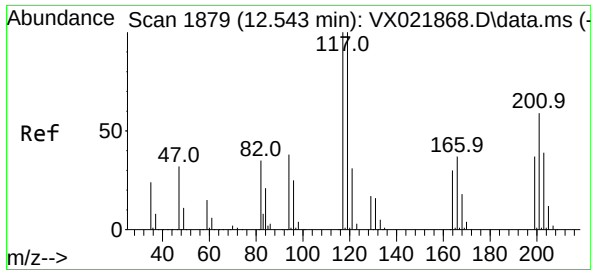
Tgt Ion:119 Resp: 1534
Ion Ratio Lower Upper
119 100
134 23.3 12.9 38.7
91 30.5 11.7 35.0



#89
n-Butylbenzene
Concen: 0.20 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX022059.D
Acq: 18 May 2021 14:21

Tgt Ion: 91 Resp: 1128
Ion Ratio Lower Upper
91 100
92 34.8 27.4 82.0
134 57.1 13.2 39.5#





#90
 Hexachloroethane
 Concen: 0.29 ug/l
 RT: 12.616 min Scan# 1891
 Delta R.T. 0.073 min
 Lab File: VX022059.D
 Acq: 18 May 2021 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-SB-2

Tgt Ion:117 Resp: 313
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.4 121.2#

