

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061121\
 Data File : VX022674.D
 Acq On : 11 Jun 2021 17:54
 Operator : JC/MD
 Sample : M2673-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 17-B6(88-92)

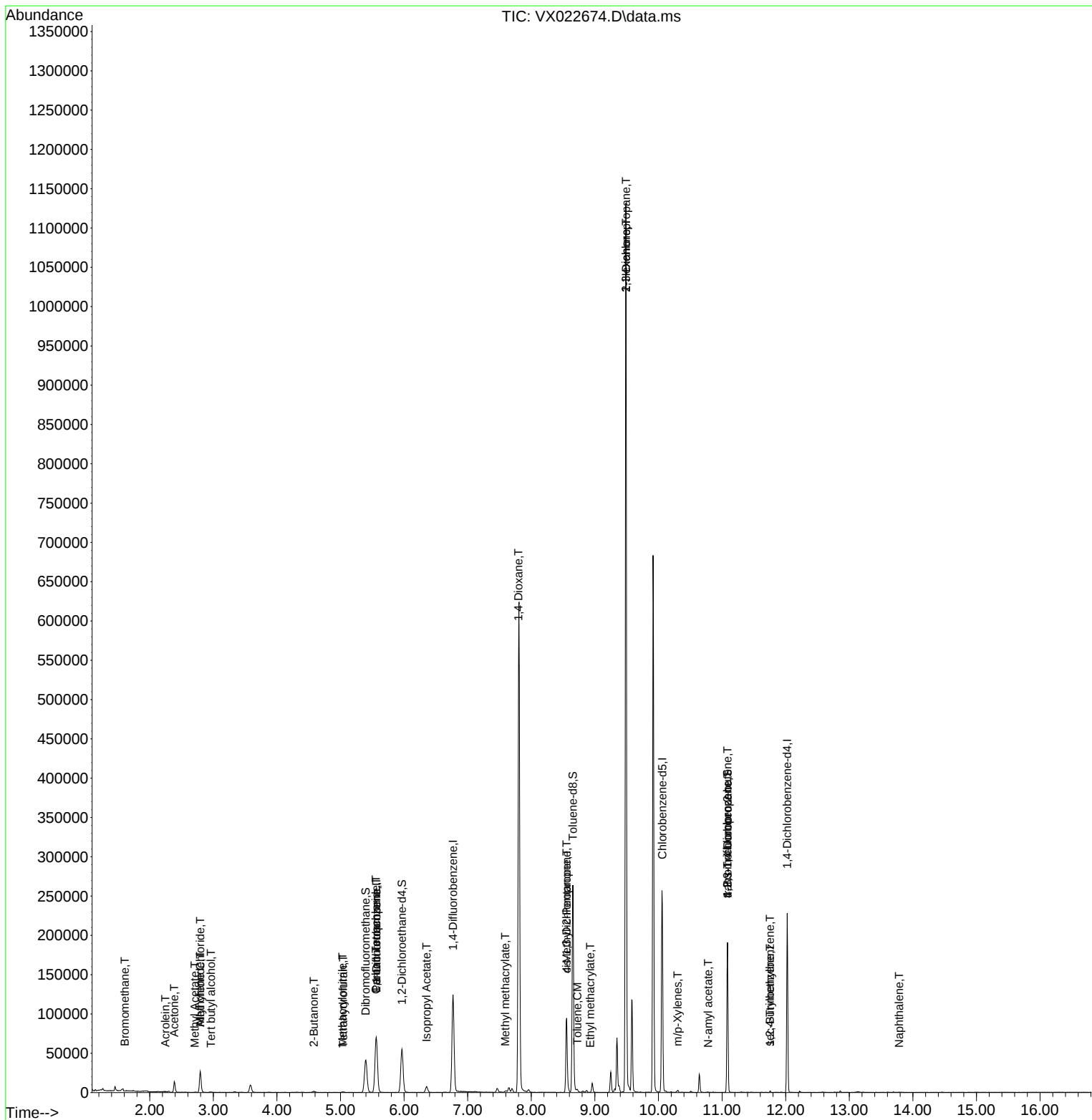
Quant Time: Jun 12 02:31:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 10 12:20:00 2021
 Response via : Initial Calibration

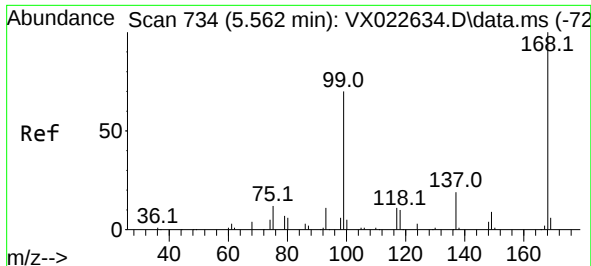
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	58366	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	119805	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	108709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	39211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50790	48.385	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.780%		
35) Dibromofluoromethane	5.397	113	35469	46.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.800%		
50) Toluene-d8	8.653	98	149806	49.716	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.085	95	50927	44.688	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.380%		
Target Compounds						
						Qvalue
5) Bromomethane	1.605	94	90	0.203	ug/l	# 65
11) Tert butyl alcohol	2.965	59	535	2.201	ug/l	# 73
13) Acrolein	2.246	56	109	1.070	ug/l	# 3
14) Allyl chloride	2.794	41	698	0.510	ug/l	# 40
16) Acetone	2.386	43	13836	29.437	ug/l	90
18) Methyl Acetate	2.709	43	578	0.409	ug/l	# 54
20) Methylene Chloride	2.794	84	11618	12.593	ug/l	90
25) 2-Butanone	4.580	43	2542	3.335	ug/l	97
29) Tetrahydrofuran	5.044	42	683	1.539	ug/l	# 49
36) 1,1-Dichloropropene	5.562	75	6085	5.098	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	7101	6.954	ug/l	# 18
41) Methacrylonitrile	5.032	41	206	0.253	ug/l	# 1
43) Isopropyl Acetate	6.355	43	9951	4.153	ug/l	# 89
48) Methyl methacrylate	7.592	41	3387	2.945	ug/l	# 10
49) 1,4-Dioxane	7.799	88	74	3.380	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.555	43	35132	23.099	ug/l	# 45
52) Toluene	8.726	92	1007	0.456	ug/l	96
54) cis-1,3-Dichloropropene	8.555	75	15123	11.498	ug/l	# 68
56) Ethyl methacrylate	8.927	69	48	2.321	ug/l	# 29
57) 1,3-Dichloropropane	9.488	76	9414	5.985	ug/l	# 42
59) 2-Hexanone	9.488	43	130699	112.473	ug/l	# 44
68) m/p-Xylenes	10.299	106	681	0.451	ug/l	84
74) N-amyl acetate	10.781	43	559	0.323	ug/l	# 40
76) 1,2,3-Trichloropropane	11.085	75	27518	26.469	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.085	75	27518	66.293	ug/l	# 12
84) 1,2,4-Trimethylbenzene	11.756	105	838	0.308	ug/l	90
85) sec-Butylbenzene	11.756	105	838	0.255	ug/l	# 57
95) Naphthalene	13.786	128	303	1.563	ug/l	# 69

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

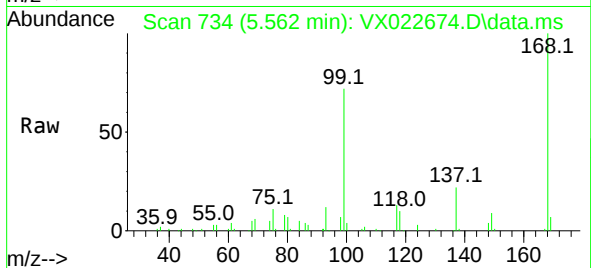
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Quant Title : SW846 8260
QLast Update : Thu Jun 10 12:20:00 2021
Response via : Initial Calibration



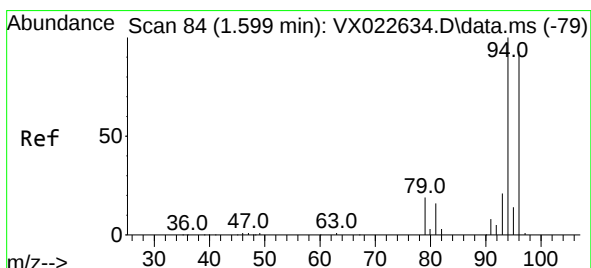
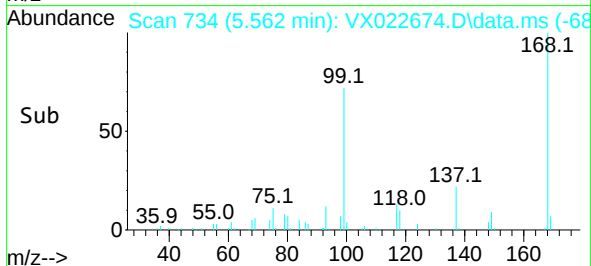
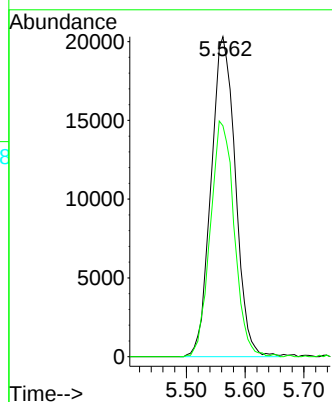


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

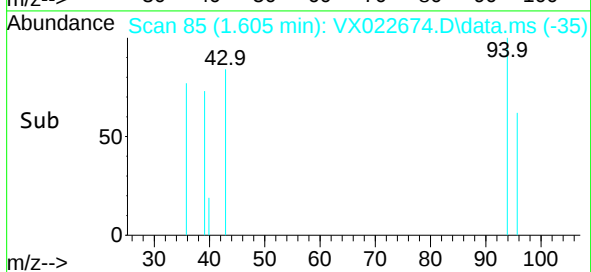
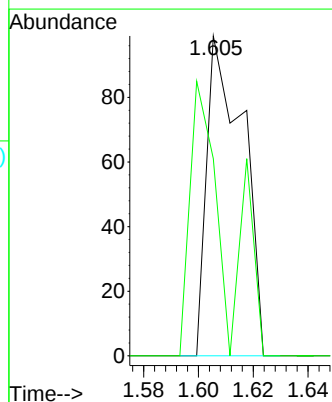
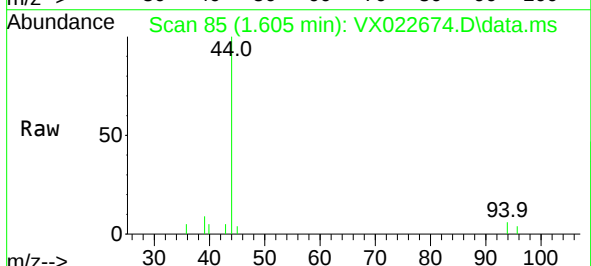


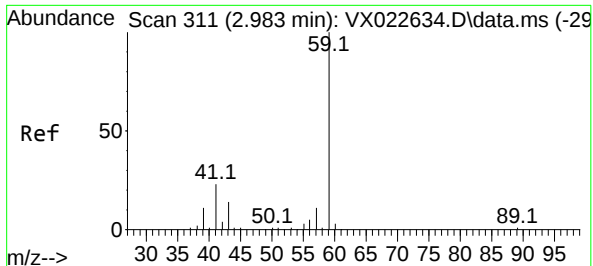
Tgt Ion:168 Resp: 58366
Ion Ratio Lower Upper
168 100
99 72.1 45.8 68.6#



#5
Bromomethane
Concen: 0.203 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 61.6 76.4 114.6#



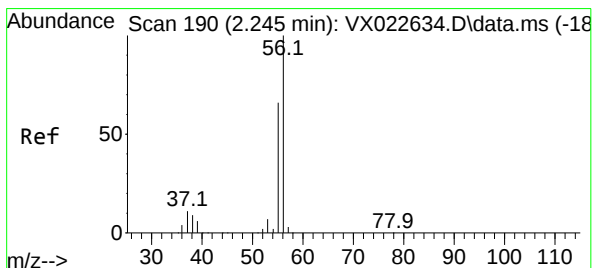
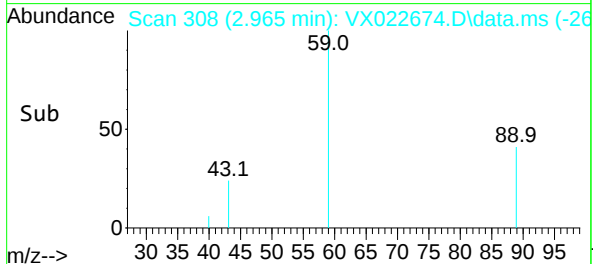
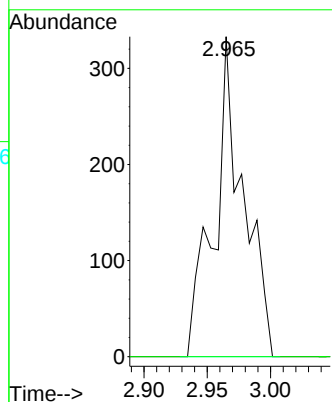
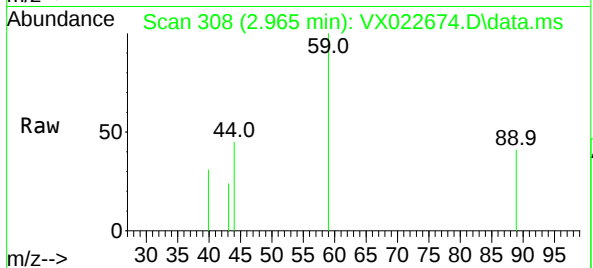


#11

Tert butyl alcohol
Concen: 2.201 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

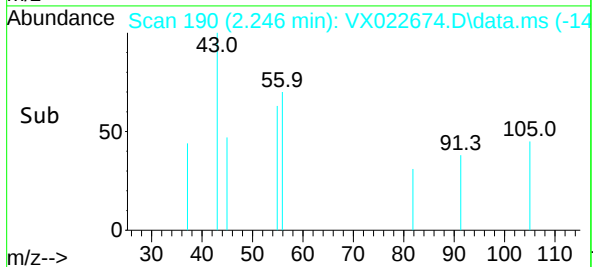
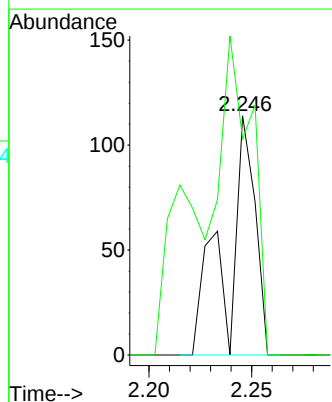
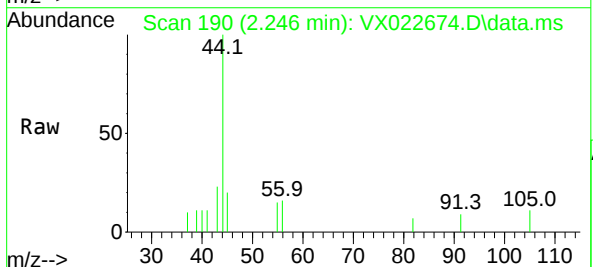
Tgt Ion: 59 Resp: 535
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

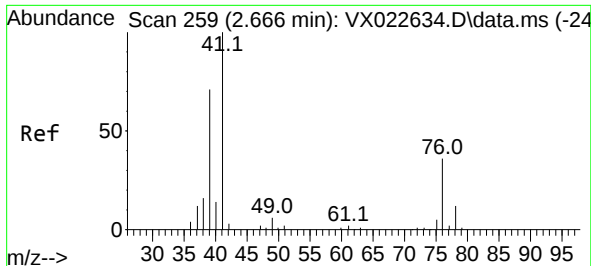


#13

Acrolein
Concen: 1.070 ug/l
RT: 2.246 min Scan# 190
Delta R.T. 0.007 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 150.5 56.4 84.6#

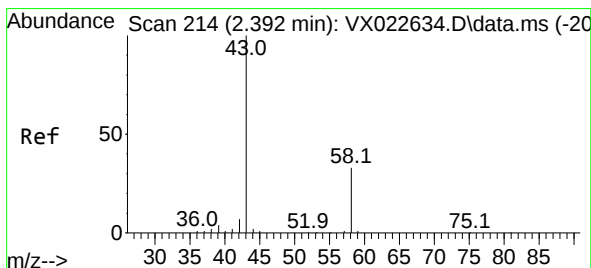
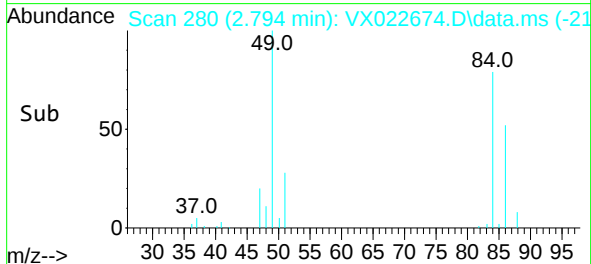
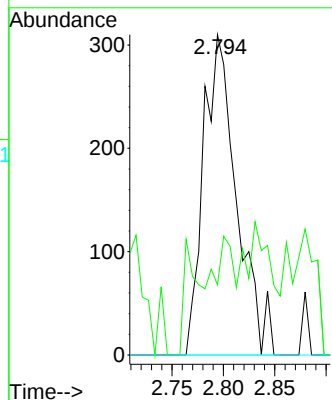
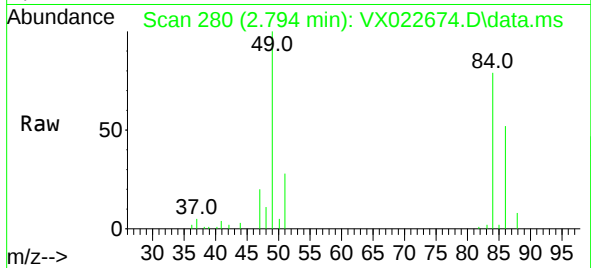




#14
 Allyl chloride
 Concen: 0.510 ug/l
 RT: 2.794 min Scan# 280
 Delta R.T. 0.128 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

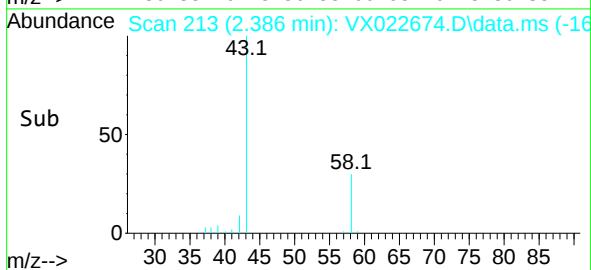
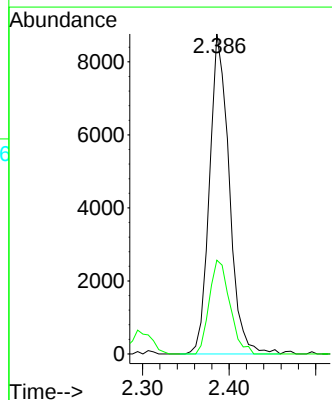
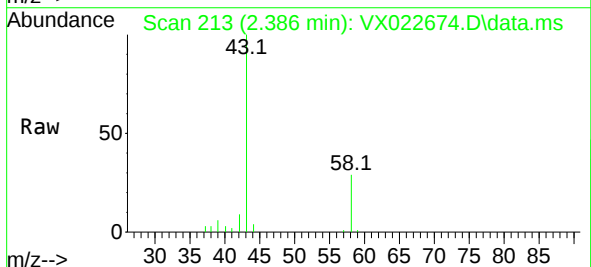
Instrument :
 MSVOA_X
 ClientSampleId :
 17-B6(88-92)

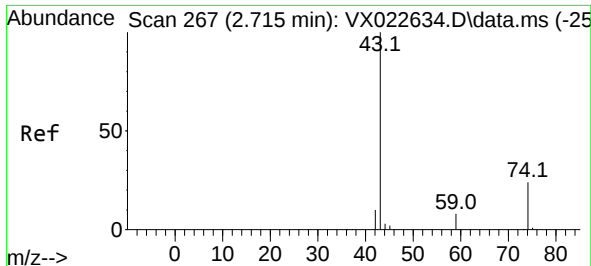
Tgt Ion: 41 Resp: 698
 Ion Ratio Lower Upper
 41 100
 39 19.1 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 29.437 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

Tgt Ion: 43 Resp: 13836
 Ion Ratio Lower Upper
 43 100
 58 29.3 27.8 41.8

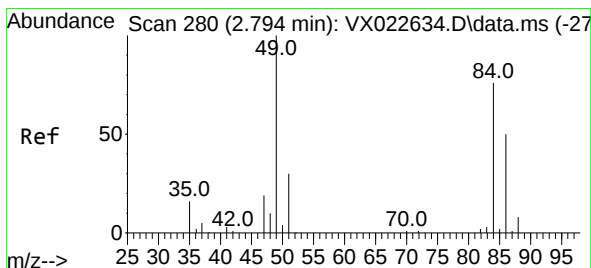
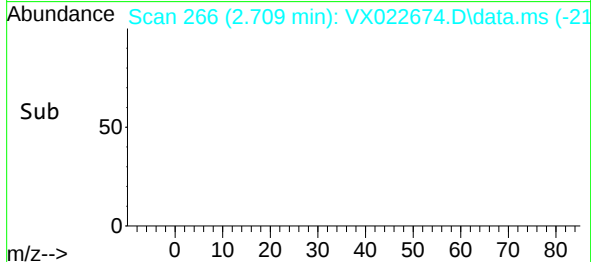
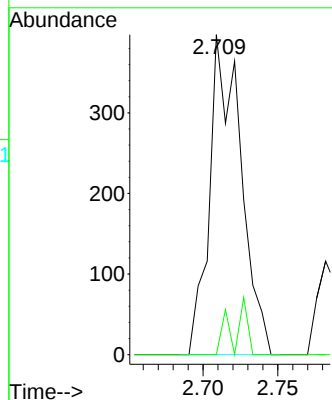
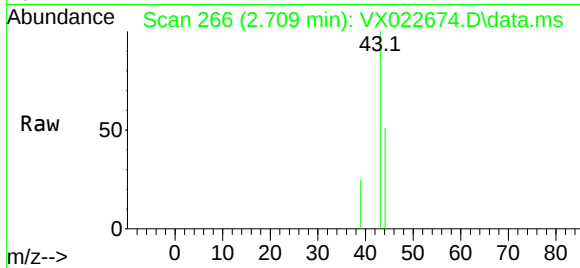




#18
Methyl Acetate
Concen: 0.409 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

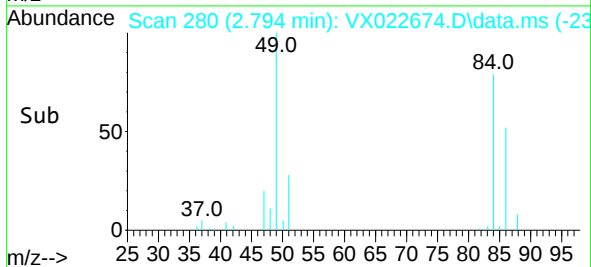
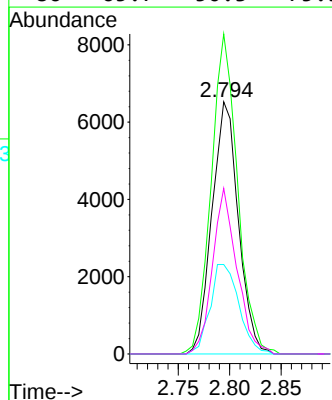
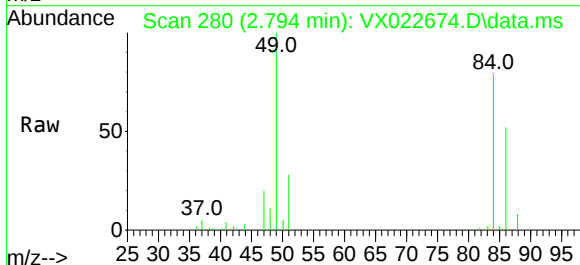
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

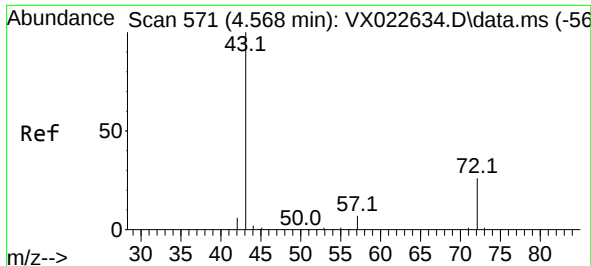
Tgt Ion: 43 Resp: 578
Ion Ratio Lower Upper
43 100
74 3.5 21.9 32.9#



#20
Methylene Chloride
Concen: 12.593 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 84 Resp: 11618
Ion Ratio Lower Upper
84 100
49 126.9 88.6 132.8
51 35.4 27.0 40.6
86 65.7 50.3 75.5

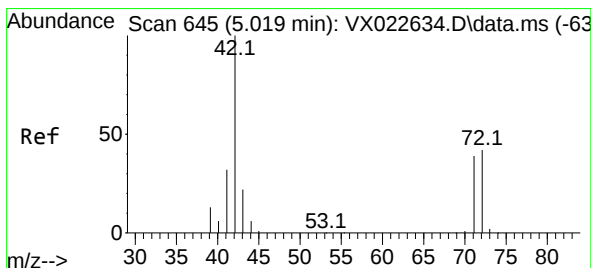
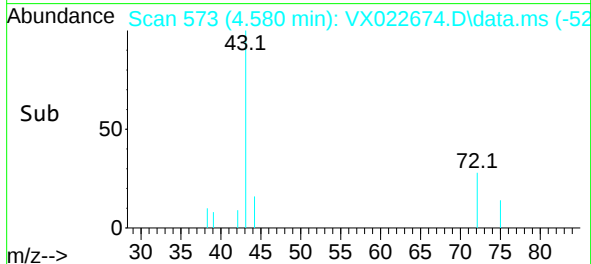
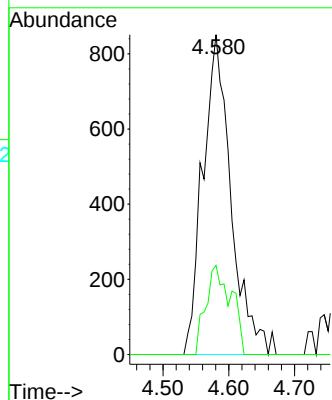
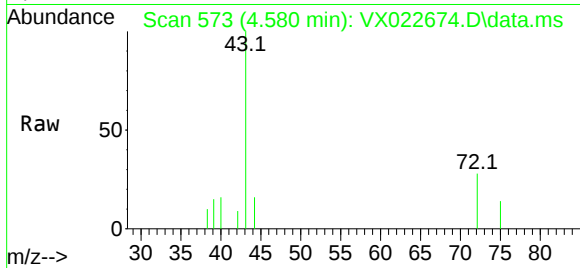




#25
2-Butanone
Concen: 3.335 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

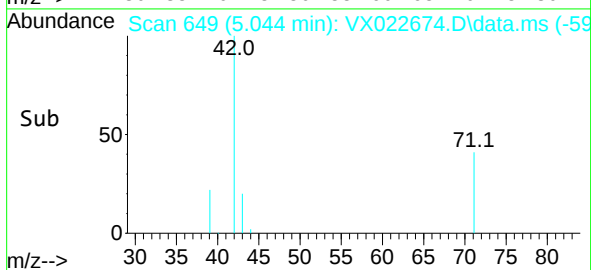
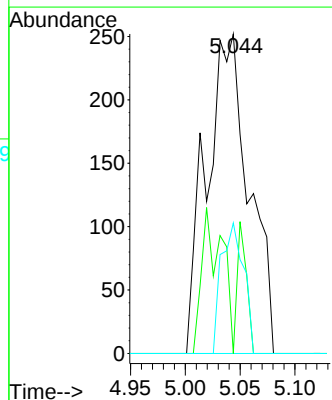
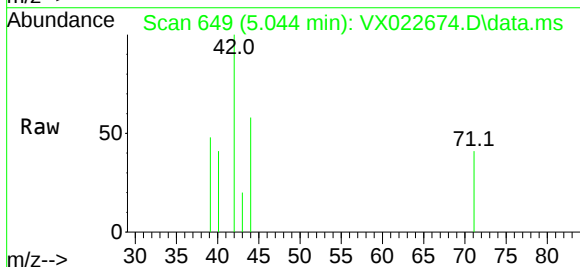
Instrument :
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ClientSampleId :
17-B6(88-92)

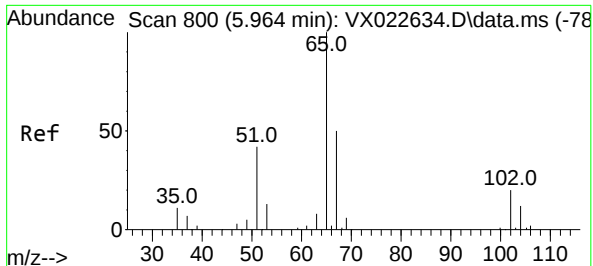
Tgt Ion: 43 Resp: 2542
Ion Ratio Lower Upper
43 100
72 27.8 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.539 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.031 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 42 Resp: 683
Ion Ratio Lower Upper
42 100
72 8.8 41.7 62.5#
71 21.4 38.4 57.6#



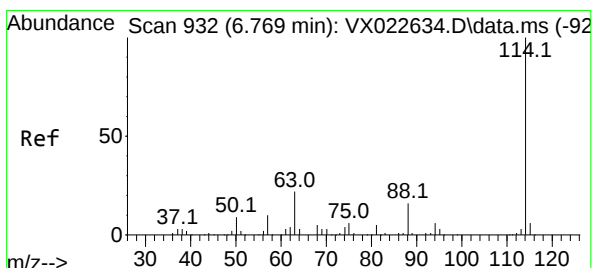
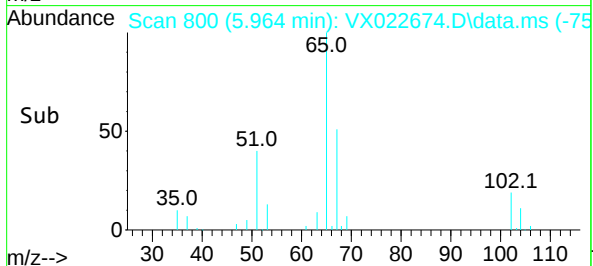
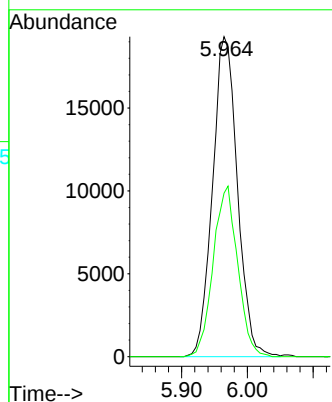
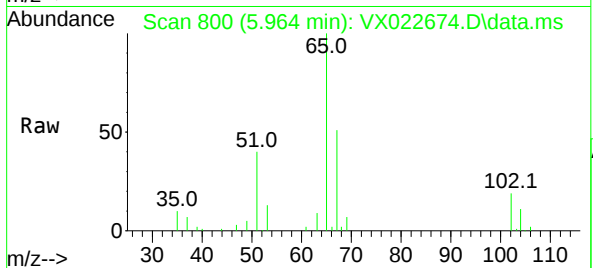


#33

1,2-Dichloroethane-d4
Concen: 48.385 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

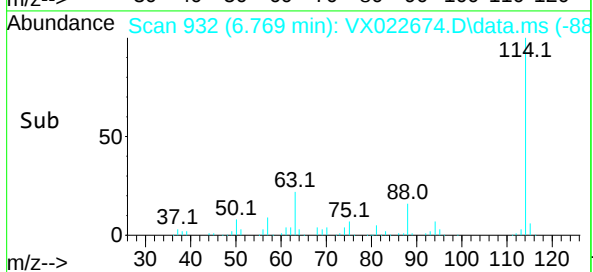
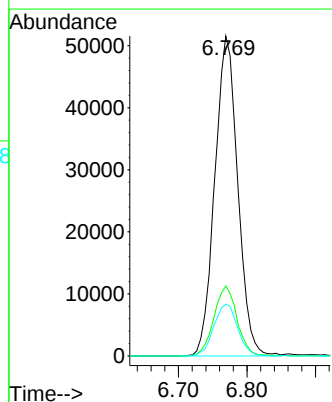
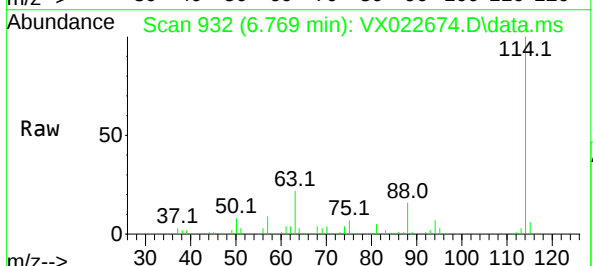
Tgt Ion: 65 Resp: 50790
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

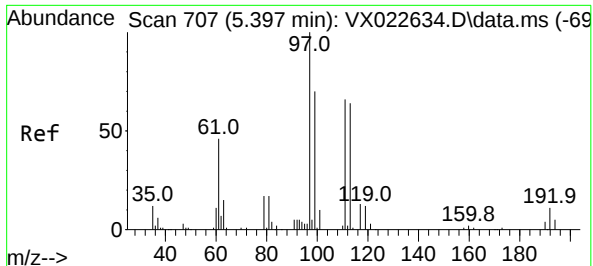


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 114 Resp: 119805
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.8
88 16.2 0.0 32.8

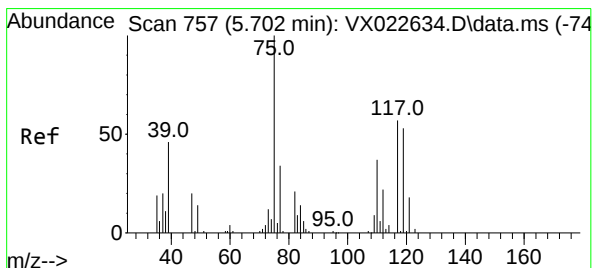
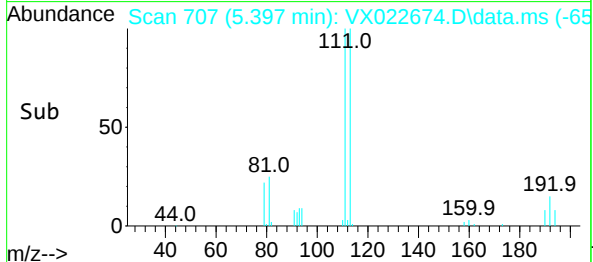
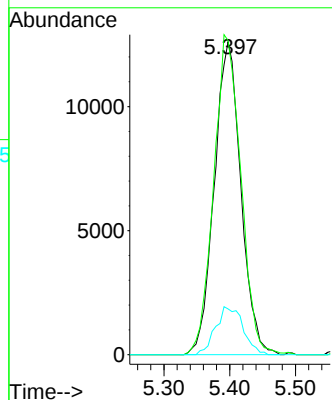
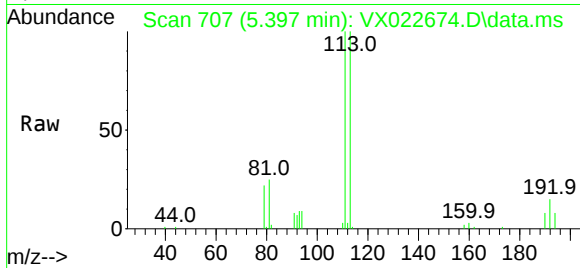




#35
Dibromofluoromethane
Concen: 46.402 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

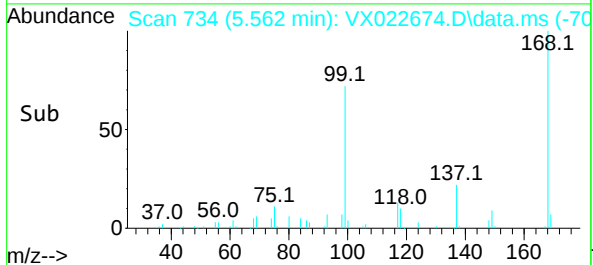
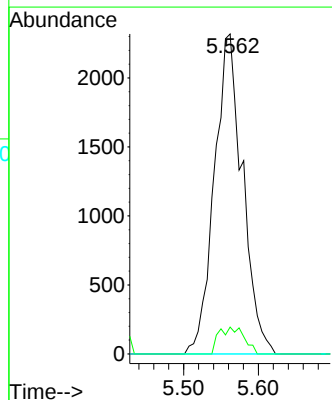
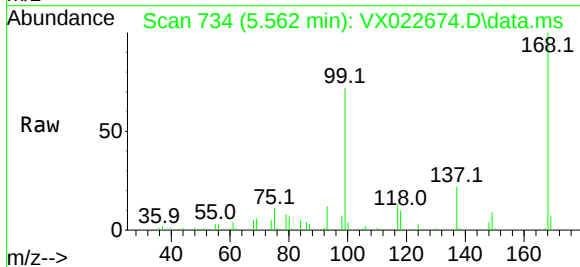
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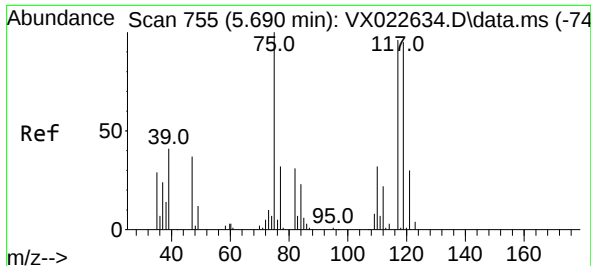
Tgt Ion:113 Resp: 35469
Ion Ratio Lower Upper
113 100
111 104.4 81.9 122.9
192 15.8 16.7 25.1#



#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

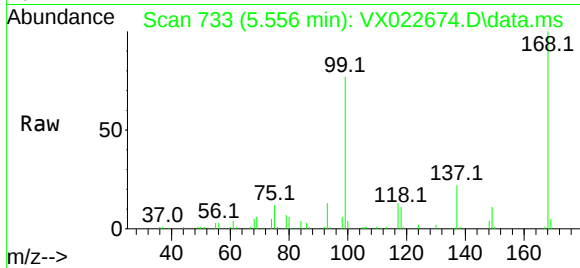
Tgt Ion: 75 Resp: 6085
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 25.3 37.9#



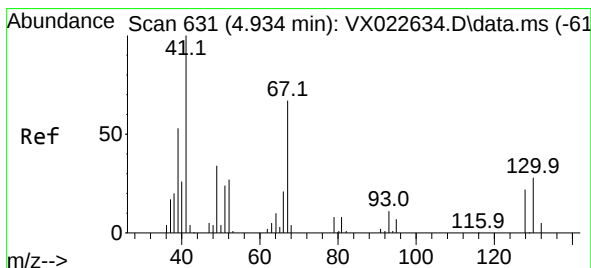
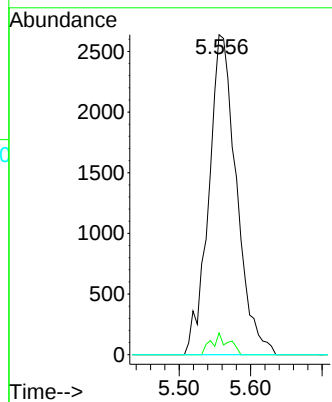
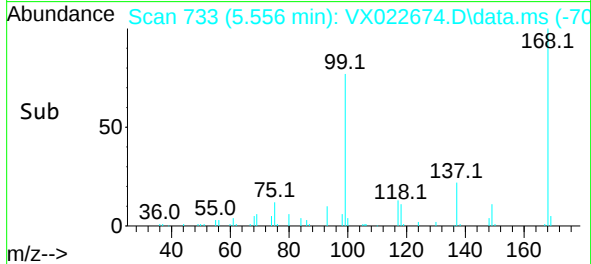


#38
Carbon Tetrachloride
Concen: 6.954 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

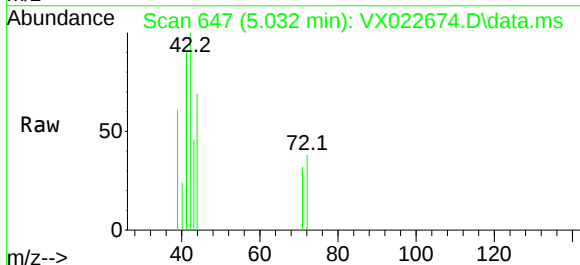
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)



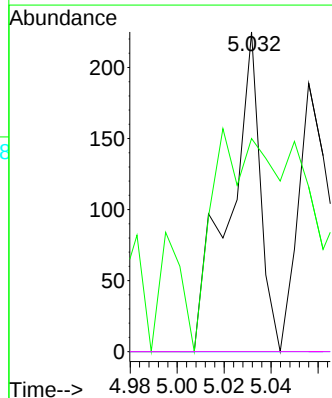
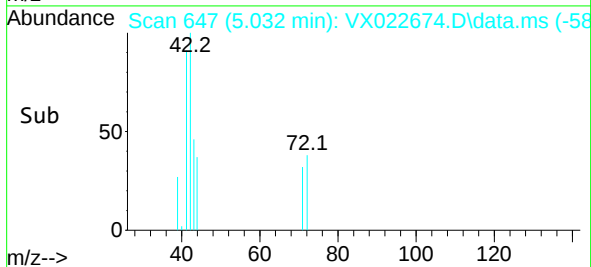
Tgt Ion:117 Resp: 7101
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

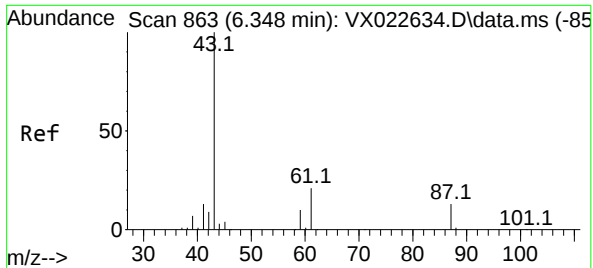


#41
Methacrylonitrile
Concen: 0.253 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54



Tgt Ion: 41 Resp: 206
Ion Ratio Lower Upper
41 100
39 225.2 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

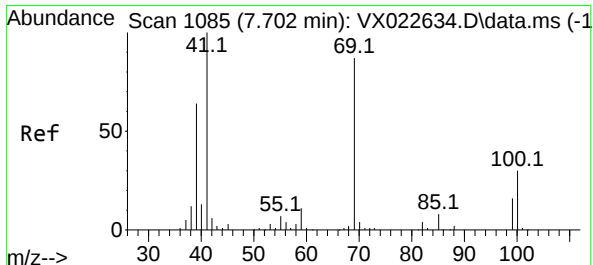
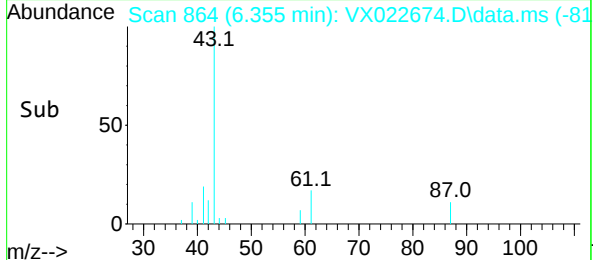
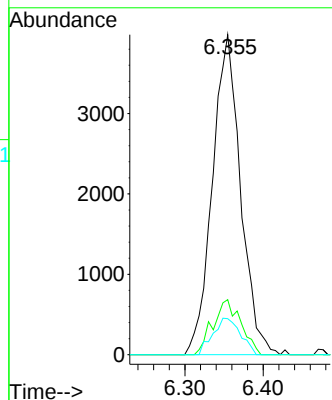
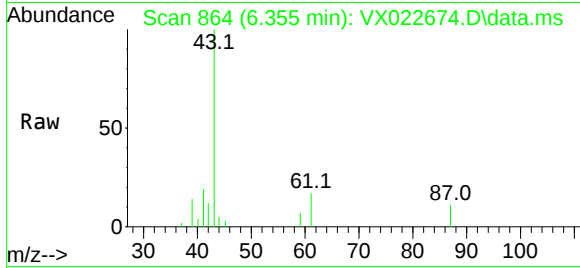




#43
Isopropyl Acetate
Concen: 4.153 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

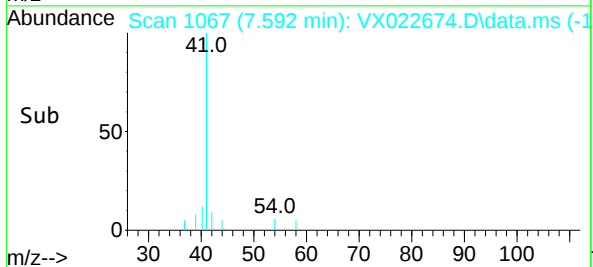
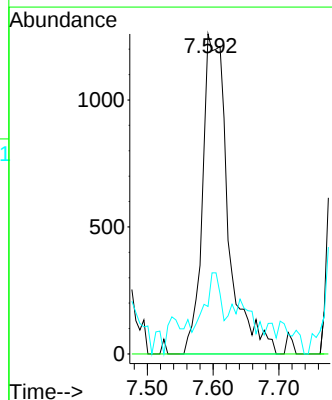
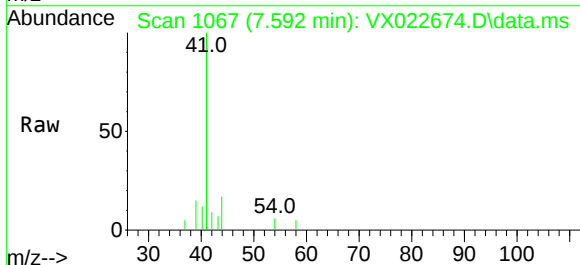
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

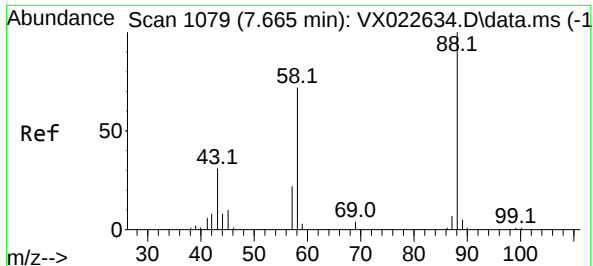
Tgt Ion: 43 Resp: 9951
Ion Ratio Lower Upper
43 100
61 17.1 18.2 27.4#
87 11.1 12.5 18.7#



#48
Methyl methacrylate
Concen: 2.945 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.104 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 41 Resp: 3387
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.380 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

Lab File: VX022674.D

Acq: 11 Jun 2021 17:54

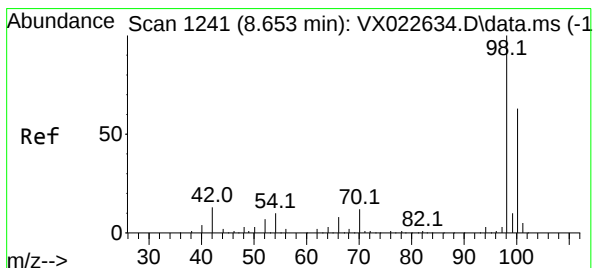
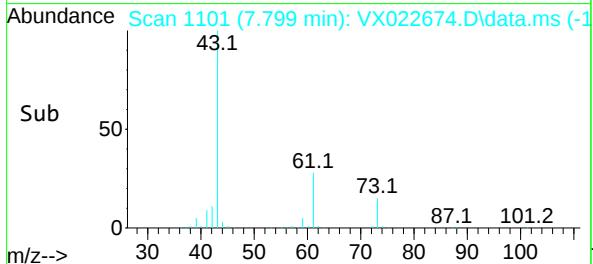
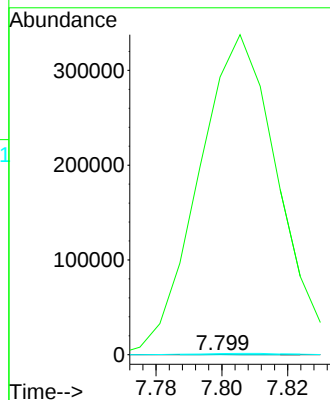
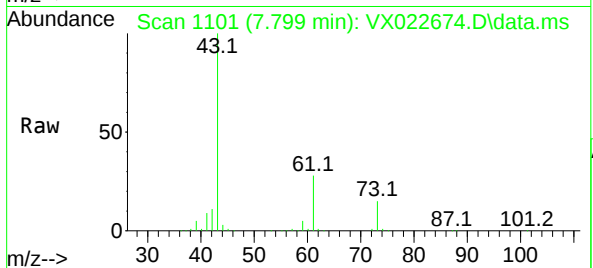
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 780144.6 23.2 34.8#

58 3316.2 55.0 82.4#



#50

Toluene-d8

Concen: 49.716 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX022674.D

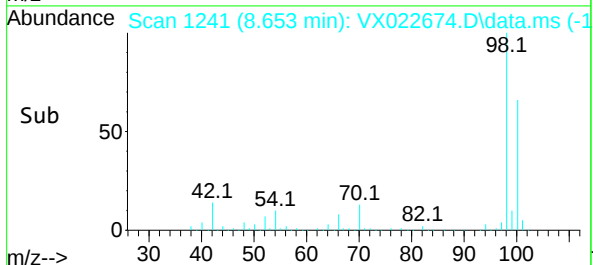
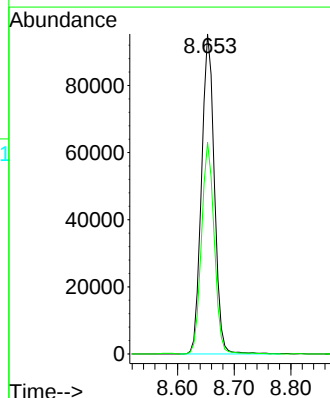
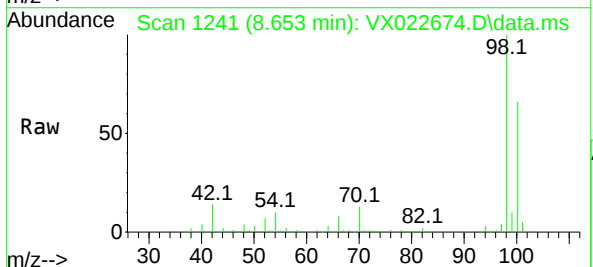
Acq: 11 Jun 2021 17:54

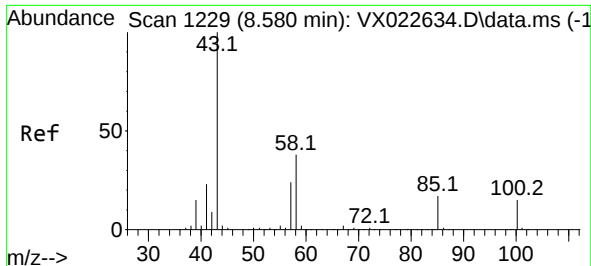
Tgt Ion: 98 Resp: 149806

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9

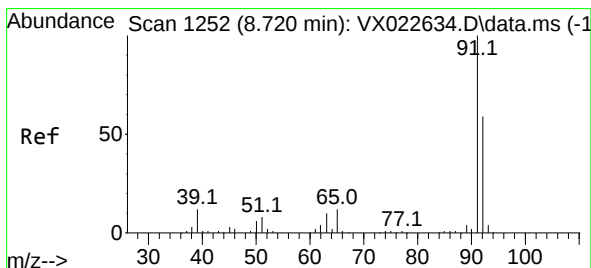
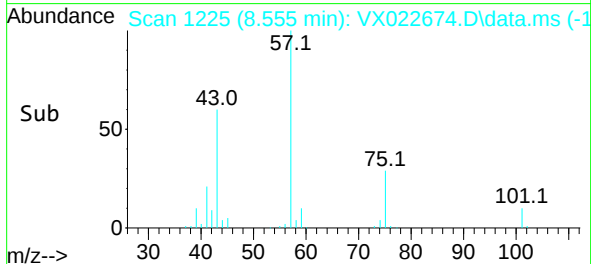
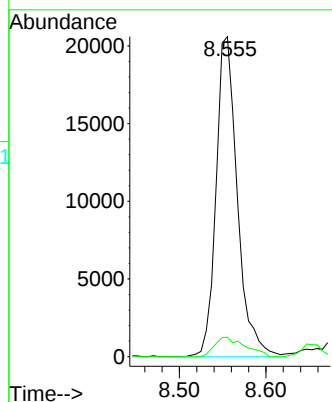
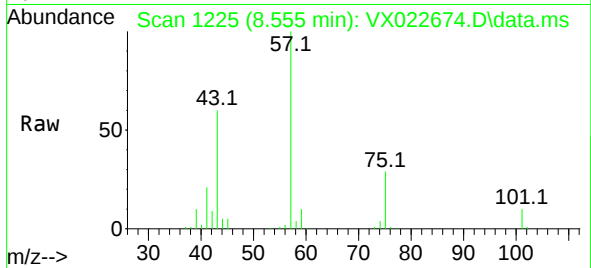




#51
4-Methyl-2-Pentanone
Concen: 23.099 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

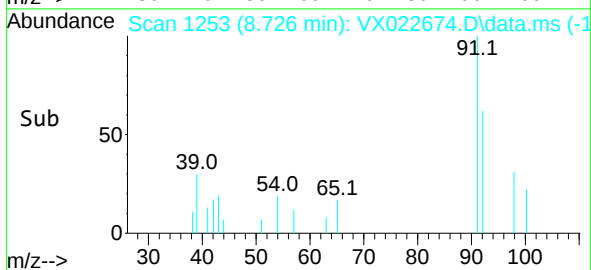
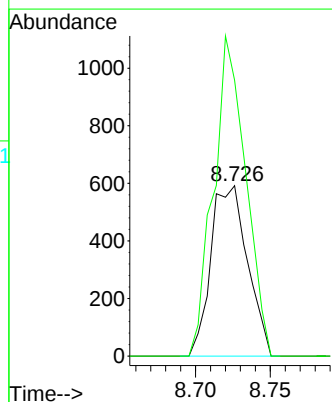
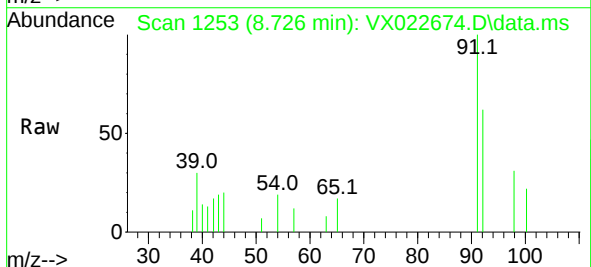
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

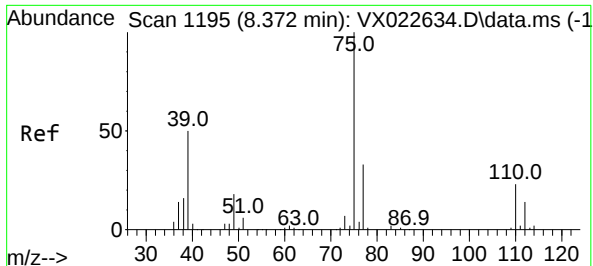
Tgt Ion: 43 Resp: 35132
Ion Ratio Lower Upper
43 100
58 8.7 35.4 53.0#



#52
Toluene
Concen: 0.456 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 92 Resp: 1007
Ion Ratio Lower Upper
92 100
91 165.2 137.1 205.7

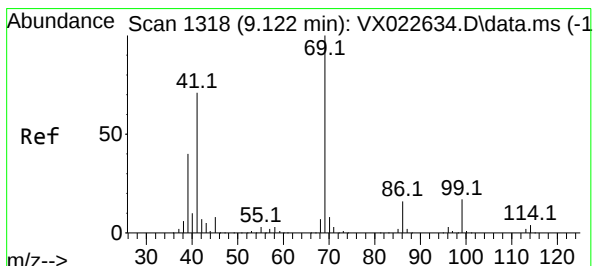
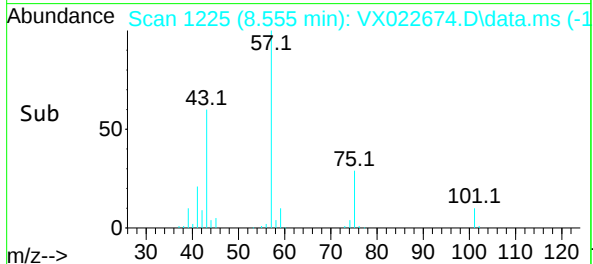
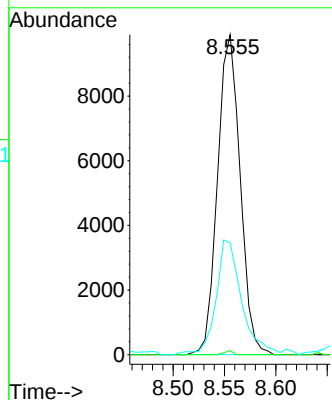
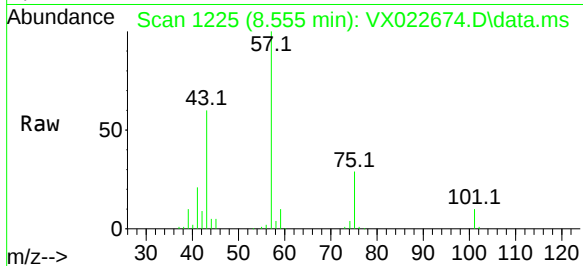




#54
 cis-1,3-Dichloropropene
 Concen: 11.498 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

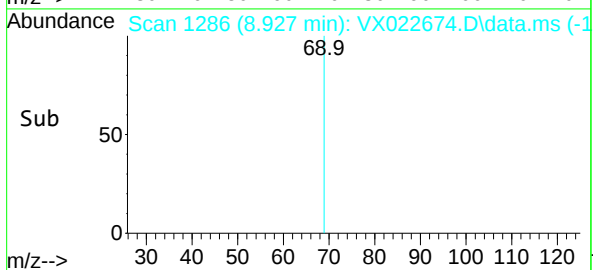
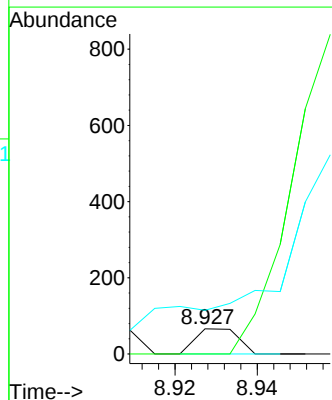
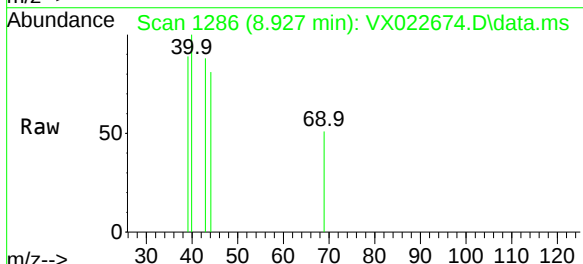
Instrument :
 MSVOA_X
 ClientSampleId :
 17-B6(88-92)

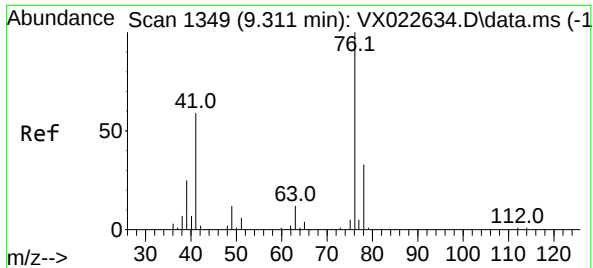
Tgt Ion: 75 Resp: 15123
 Ion Ratio Lower Upper
 75 100
 77 1.2 25.7 38.5#
 39 34.3 35.1 52.7#



#56
 Ethyl methacrylate
 Concen: 2.321 ug/l
 RT: 8.927 min Scan# 1286
 Delta R.T. -0.195 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

Tgt Ion: 69 Resp: 48
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.8 70.2#
 39 0.0 24.7 37.1#

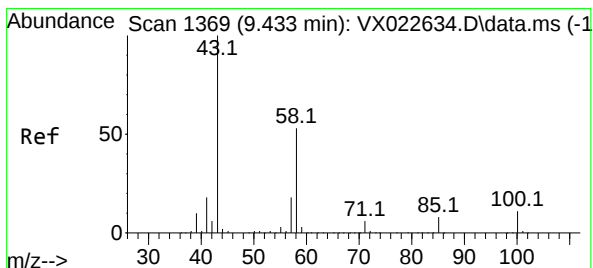
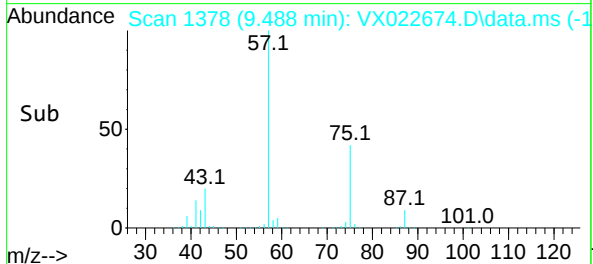
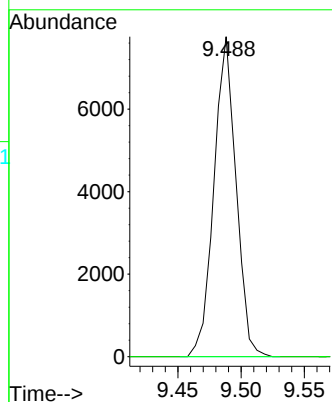
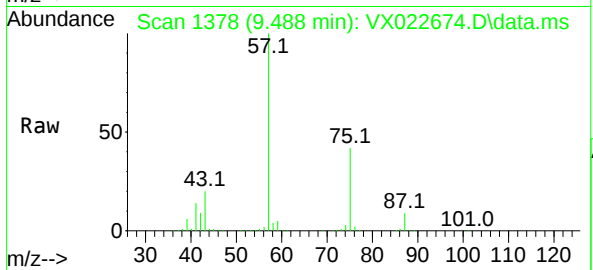




#57
1,3-Dichloropropane
Concen: 5.985 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

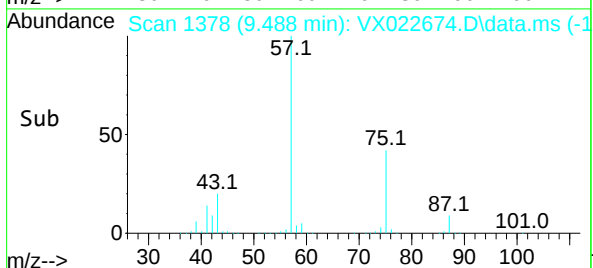
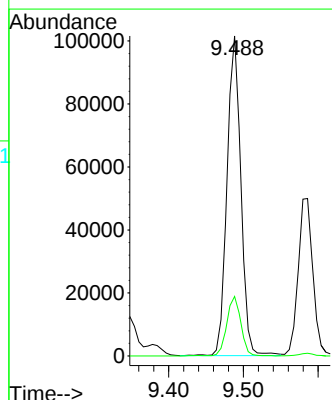
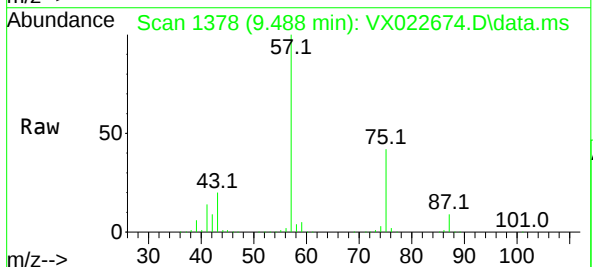
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

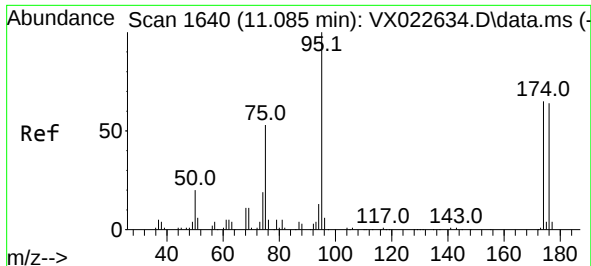
Tgt Ion: 76 Resp: 9414
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#



#59
2-Hexanone
Concen: 112.473 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 43 Resp: 130699
Ion Ratio Lower Upper
43 100
58 18.9 30.9 92.8#

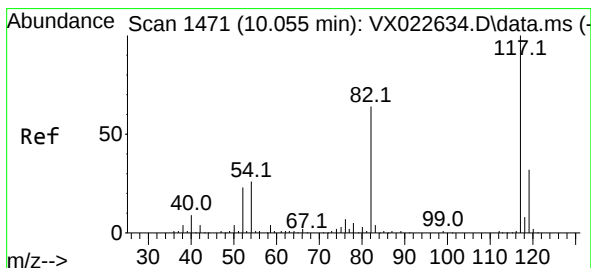
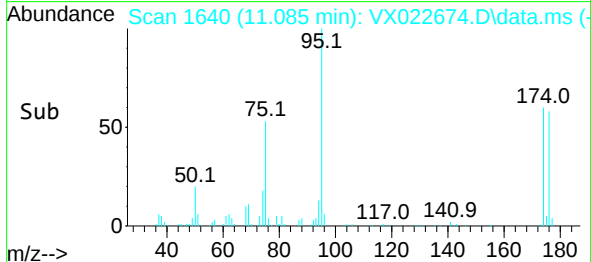
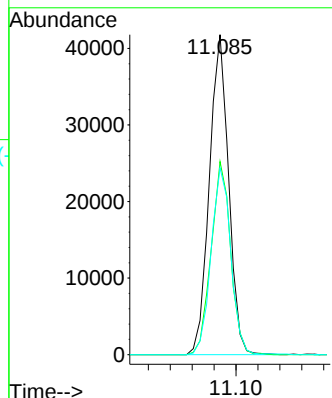
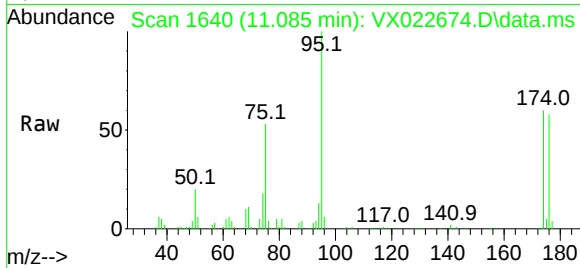




#62
4-Bromofluorobenzene
Concen: 44.688 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

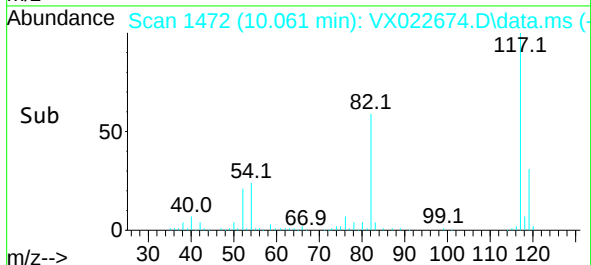
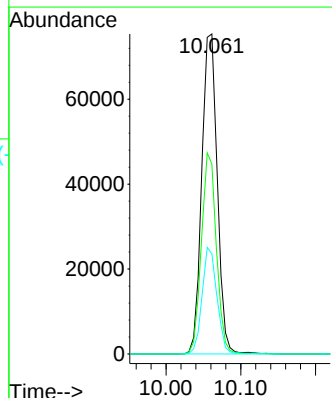
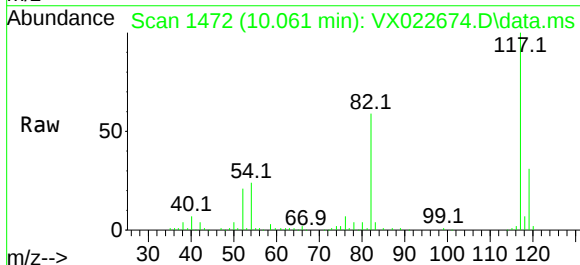
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

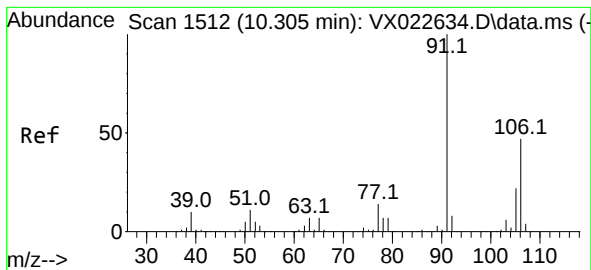
Tgt Ion: 95 Resp: 50927
Ion Ratio Lower Upper
95 100
174 61.0 0.0 154.6
176 60.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 117 Resp: 108709
Ion Ratio Lower Upper
117 100
82 59.4 47.4 71.2
119 31.3 26.6 39.8

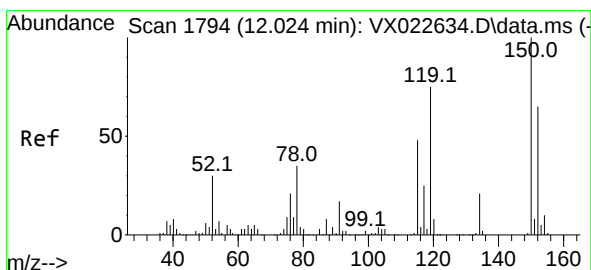
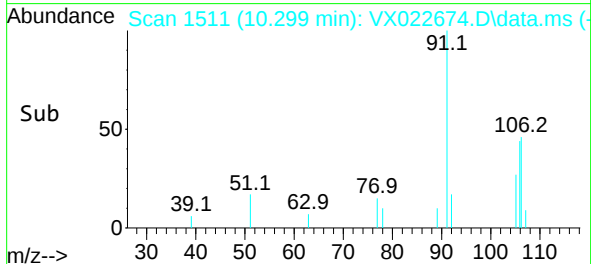
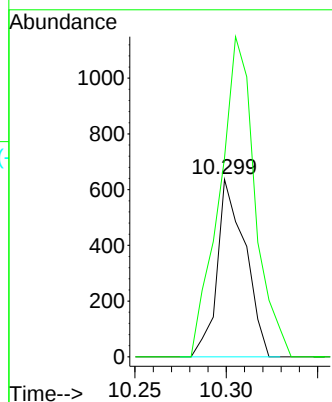
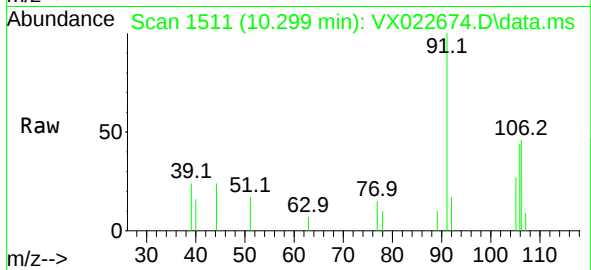




#68
m/p-Xylenes
Concen: 0.451 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

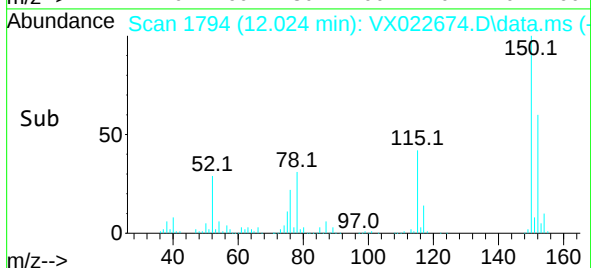
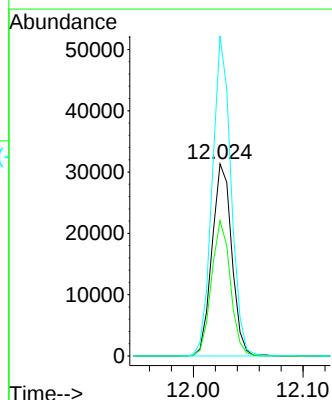
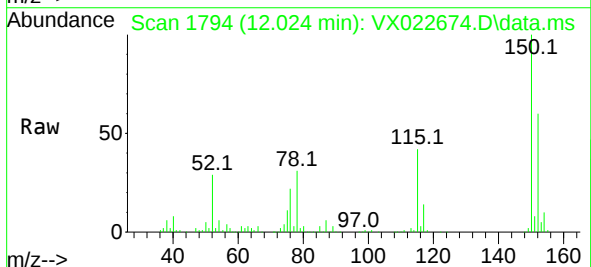
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

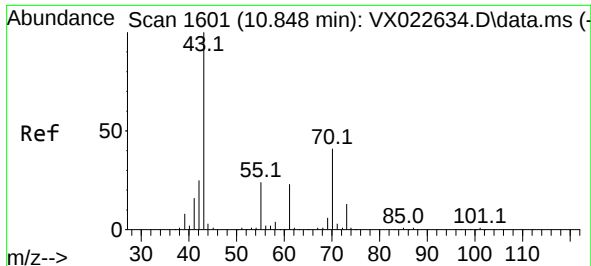
Tgt Ion:106 Resp: 681
Ion Ratio Lower Upper
106 100
91 227.5 162.8 244.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion:152 Resp: 39211
Ion Ratio Lower Upper
152 100
115 67.4 41.1 123.3
150 158.2 0.0 349.0

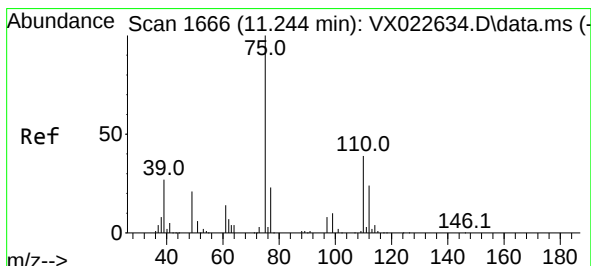
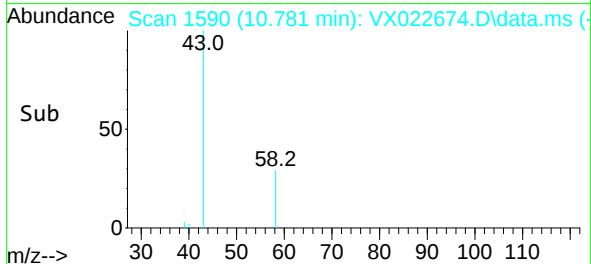
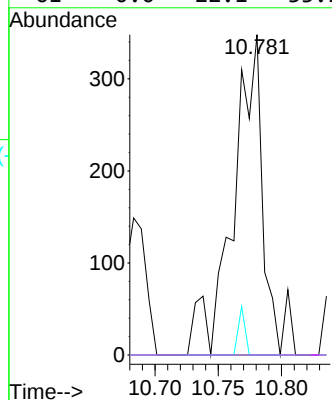
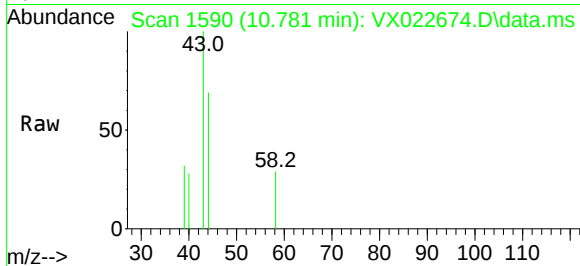




#74
N-amy1 acetate
Concen: 0.323 ug/l
RT: 10.781 min Scan# 1590
Delta R.T. -0.067 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

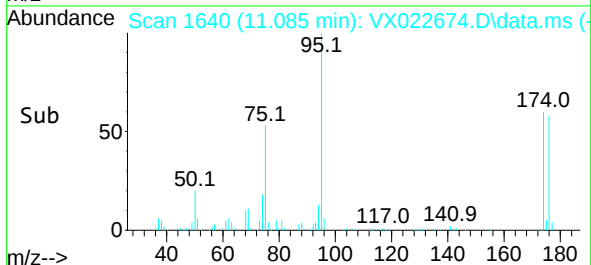
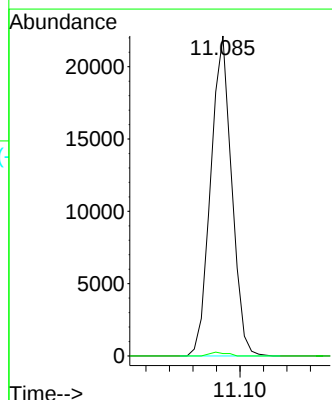
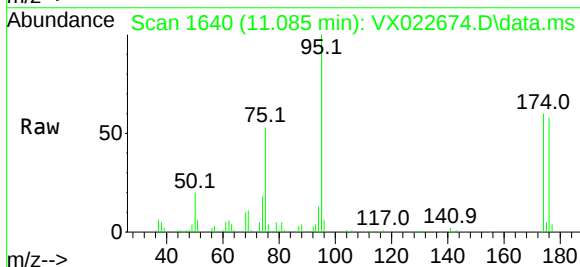
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

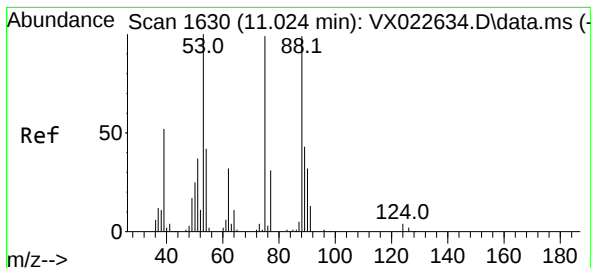
Tgt Ion: 43	Resp:	559
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	3.4	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.469 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 75	Resp:	27518
Ion	Ratio	Lower Upper
75	100	
77	1.0	19.1 57.5#

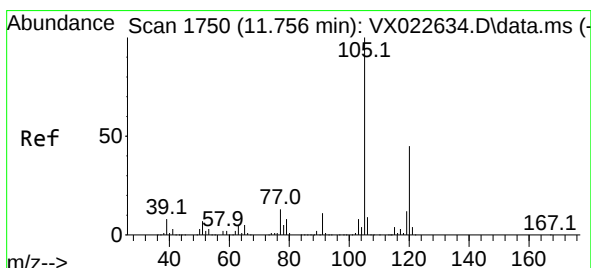
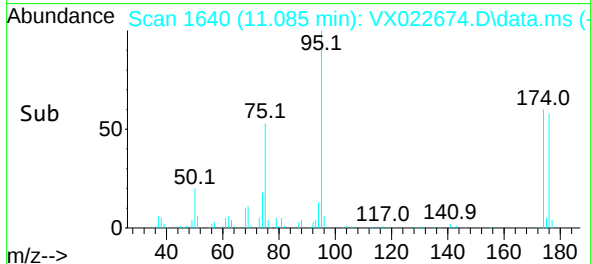
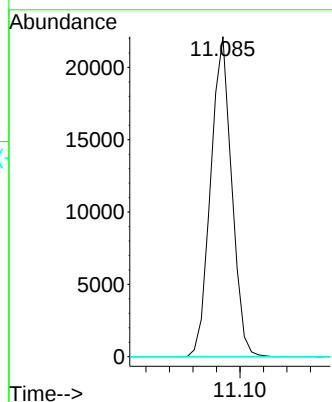
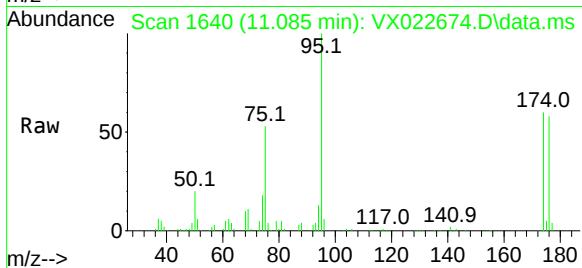




#81
trans-1,4-Dichloro-2-butene
Concen: 66.293 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

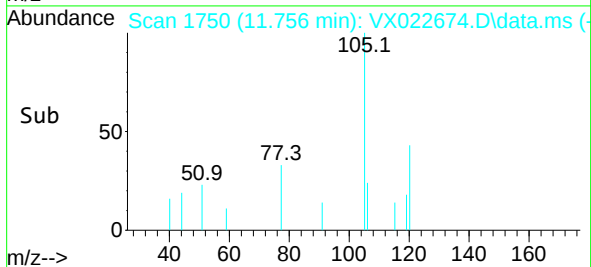
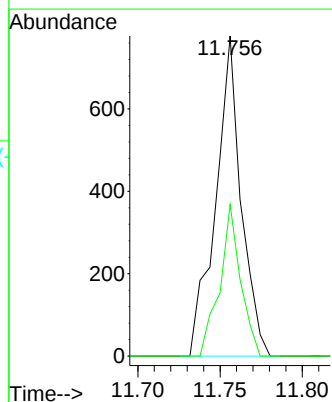
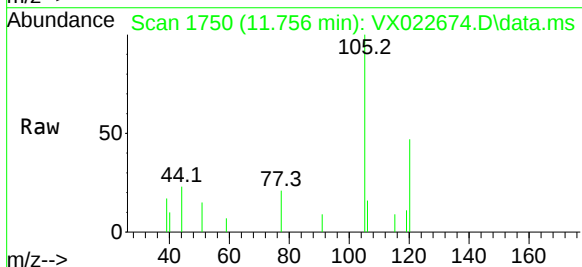
Instrument :
MSVOA_X
ClientSampleId :
17-B6(88-92)

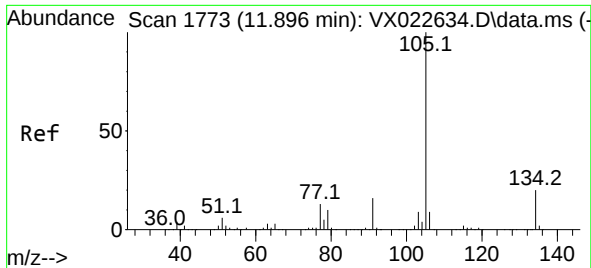
Tgt Ion: 75 Resp: 27518
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.308 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX022674.D
Acq: 11 Jun 2021 17:54

Tgt Ion: 105 Resp: 838
Ion Ratio Lower Upper
105 100
120 38.7 22.4 67.3

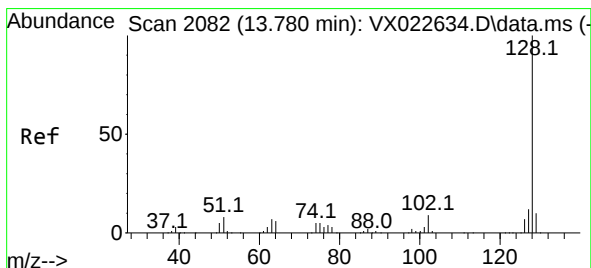
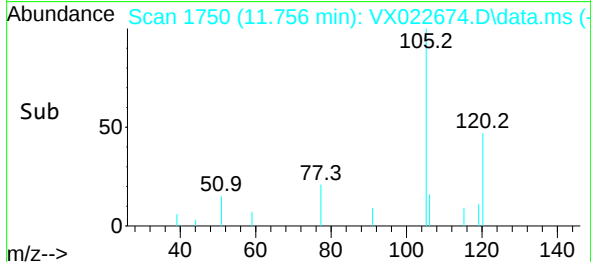
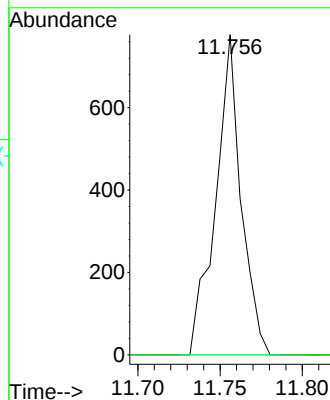
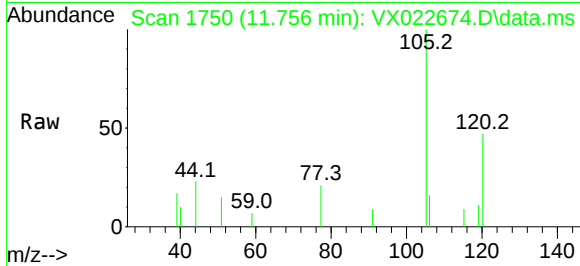




#85
 sec-Butylbenzene
 Concen: 0.255 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.140 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

Instrument :
 MSVOA_X
 ClientSampleId :
 17-B6(88-92)

Tgt Ion:105 Resp: 838
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 1.563 ug/l
 RT: 13.786 min Scan# 2083
 Delta R.T. 0.006 min
 Lab File: VX022674.D
 Acq: 11 Jun 2021 17:54

Tgt Ion:128 Resp: 303
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.8 13.2#

