

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042522\
 Data File : VX028334.D
 Acq On : 25 Apr 2022 18:21
 Operator : JC/MD
 Sample : N2468-11MEDL 40X
 Misc : 4.90g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-15-1-8MEDL

Quant Time: Apr 26 08:13:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

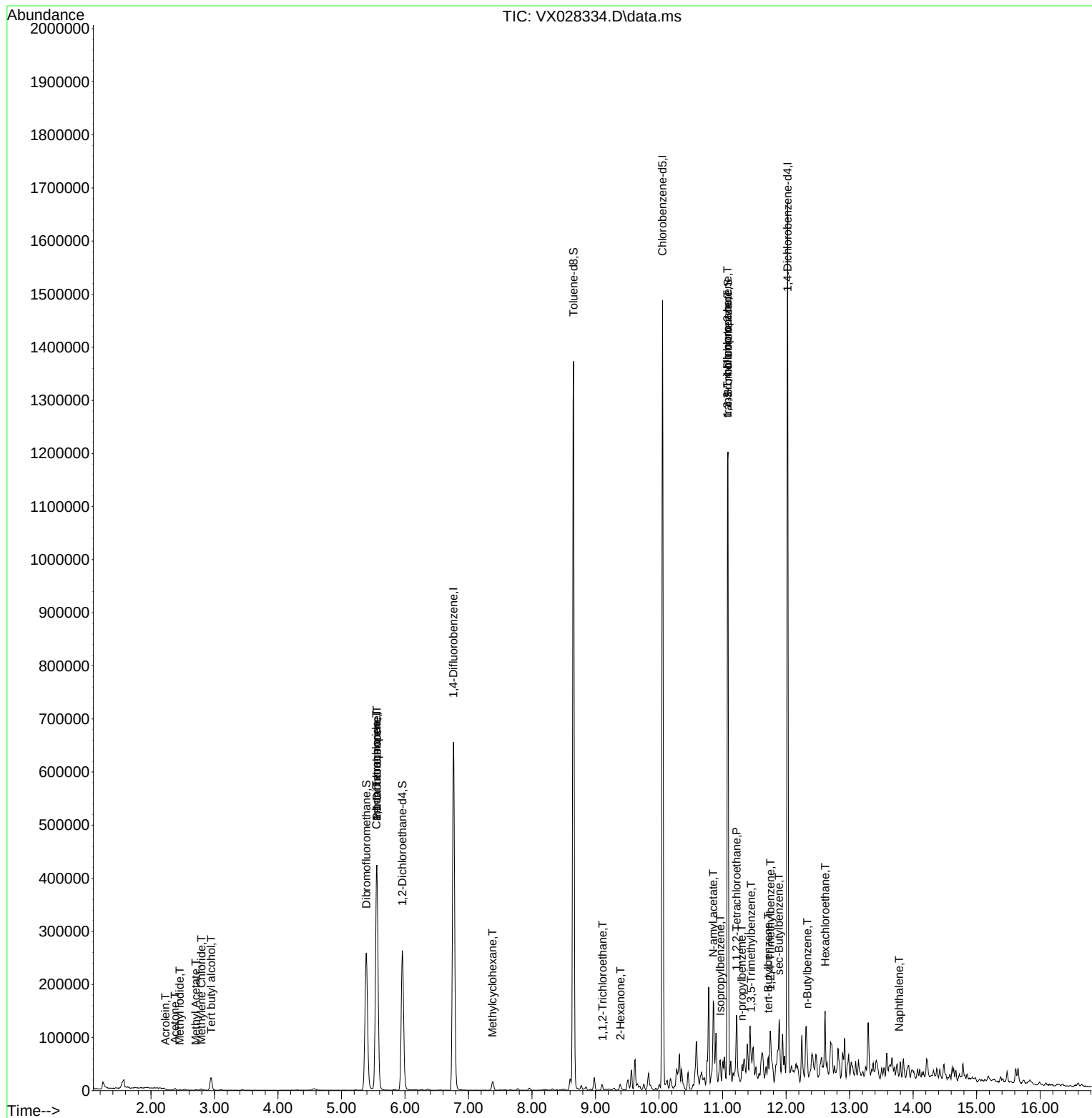
Internal Standards						
1) Pentafluorobenzene	5.556	168	416990	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	710053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	685331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	344798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	249189	45.832	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.660%		
35) Dibromofluoromethane	5.391	113	224849	45.155	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	90.300%		
50) Toluene-d8	8.653	98	842049	44.028	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.060%		
62) 4-Bromofluorobenzene	11.085	95	318507	43.555	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	519	Below Cal	#	80
5) Bromomethane	1.605	94	962	Below Cal		81
6) Chloroethane	1.660	64	189	Below Cal		94
8) Diethyl Ether	2.056	74	24	Below Cal	#	1
10) Methyl Iodide	2.453	142	805	5.391	ug/l	94
11) Tert butyl alcohol	2.946	59	13438	3.095	ug/l #	76
13) Acrolein	2.227	56	262	0.393	ug/l #	38
16) Acetone	2.379	43	3501	0.716	ug/l #	82
18) Methyl Acetate	2.703	43	1248	0.258	ug/l	99
20) Methylene Chloride	2.794	84	879	0.218	ug/l #	90
36) 1,1-Dichloropropene	5.556	75	30142	4.641	ug/l #	49
38) Carbon Tetrachloride	5.550	117	40799	5.564	ug/l #	16
39) Methylcyclohexane	7.379	83	7561	0.923	ug/l	93
55) 1,1,2-Trichloroethane	9.110	97	3998	0.745	ug/l #	19
59) 2-Hexanone	9.390	43	3592	0.674	ug/l #	20
73) Isopropylbenzene	10.963	105	18936	0.799	ug/l	99
74) N-amyl acetate	10.854	43	11004	1.343	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.219	83	8968	1.166	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	157557	23.218	ug/l #	38
78) n-propylbenzene	11.305	91	17327	0.659	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	11496	0.571	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	157557	68.999	ug/l #	15
83) tert-Butylbenzene	11.719	119	4950	0.241	ug/l	82
84) 1,2,4-Trimethylbenzene	11.756	105	24056	1.203	ug/l	93
85) sec-Butylbenzene	11.890	105	29816	1.203	ug/l #	73
89) n-Butylbenzene	12.335	91	9158	0.522	ug/l #	65
90) Hexachloroethane	12.615	117	5573	3.210	ug/l #	10
95) Naphthalene	13.780	128	4852	0.213	ug/l #	86

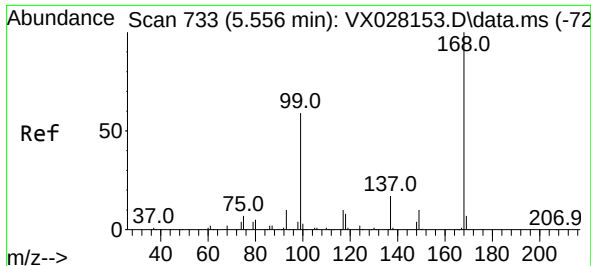
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

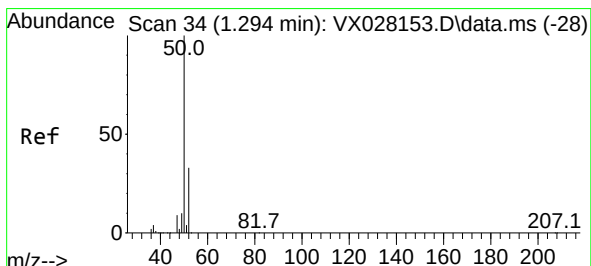
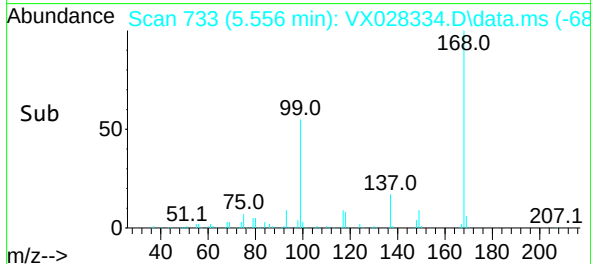
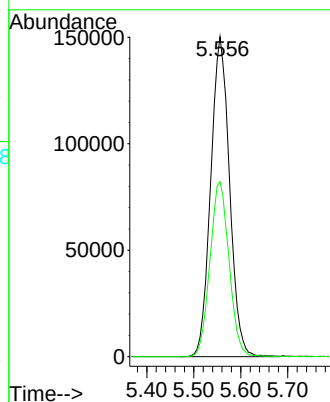
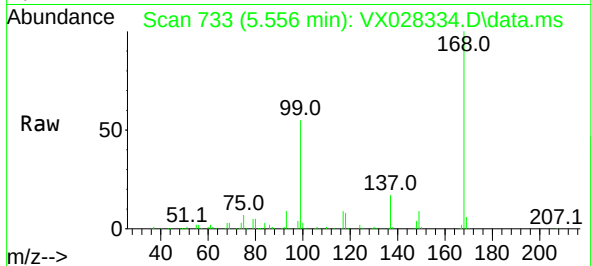




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

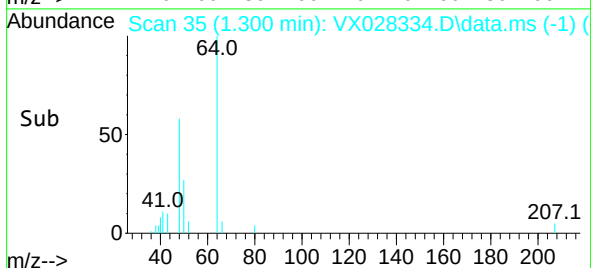
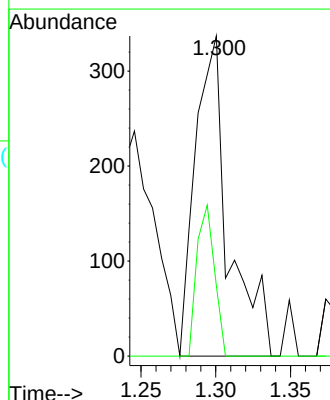
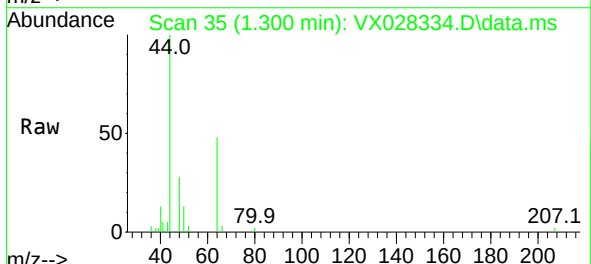
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

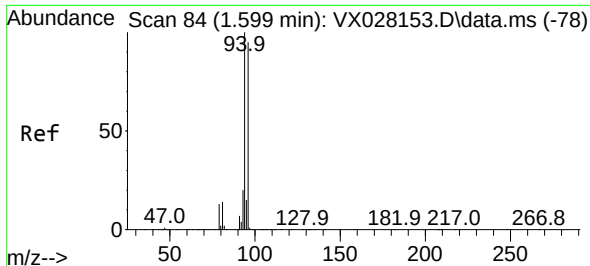
Tgt Ion:168 Resp: 416990
Ion Ratio Lower Upper
168 100
99 54.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 50 Resp: 519
Ion Ratio Lower Upper
50 100
52 22.0 26.4 39.6#

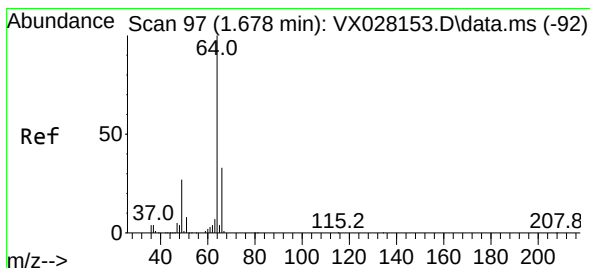
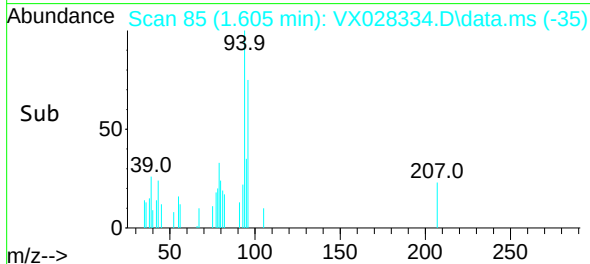
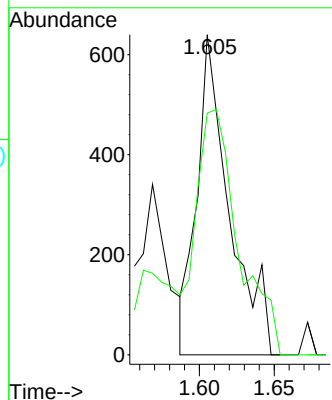
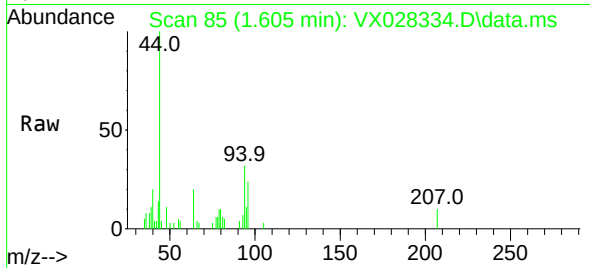




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

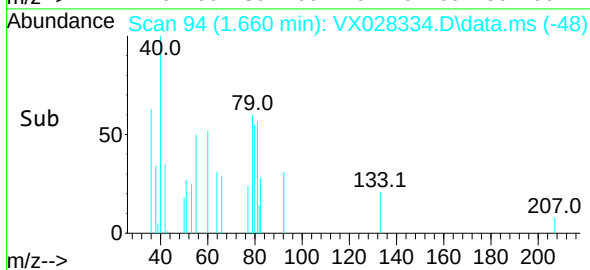
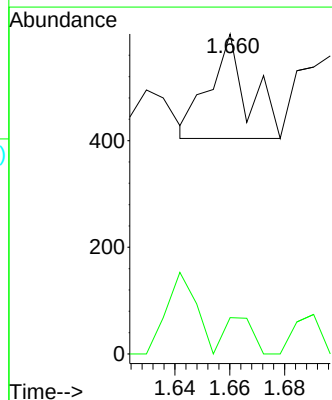
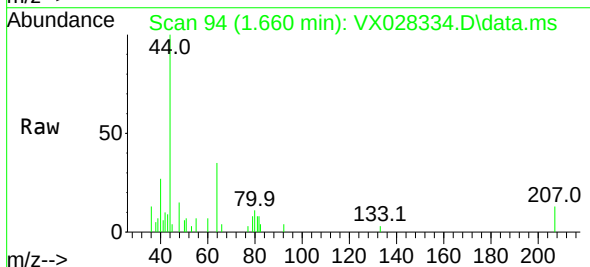
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

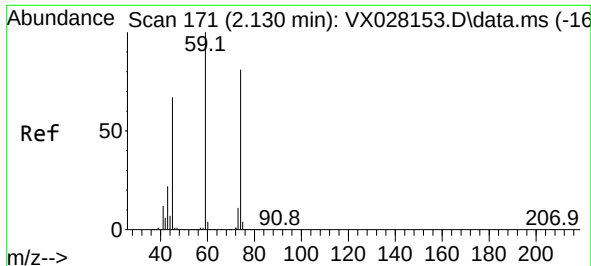
Tgt Ion: 94 Resp: 962
Ion Ratio Lower Upper
94 100
96 75.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 64 Resp: 189
Ion Ratio Lower Upper
64 100
66 34.7 25.3 37.9

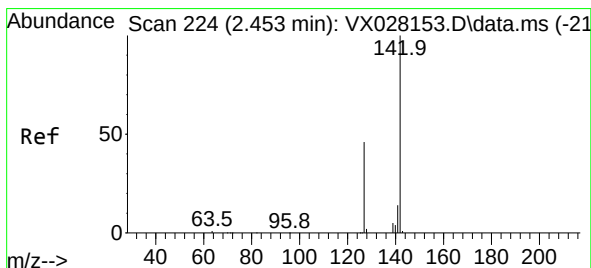
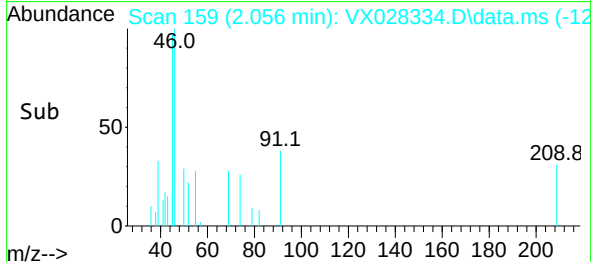
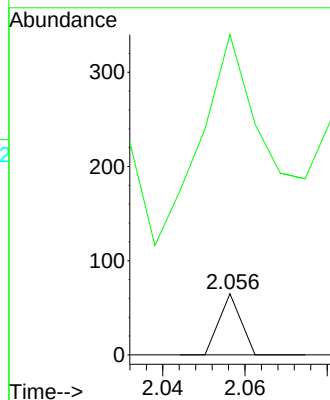
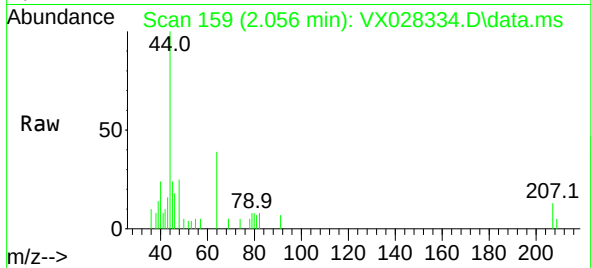




#8
Diethyl Ether
Concen: Below Cal
RT: 2.056 min Scan# 11
Delta R.T. -0.074 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

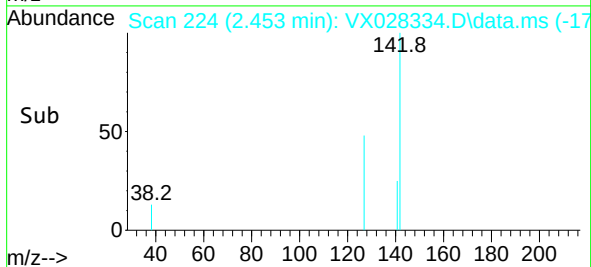
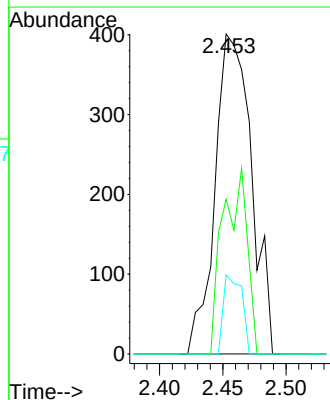
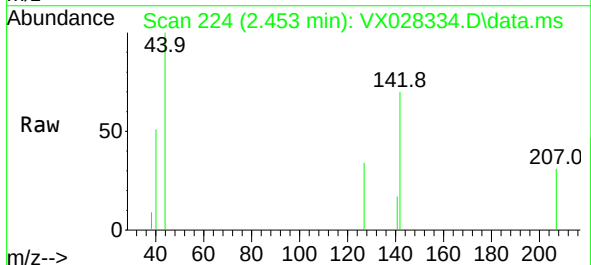
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

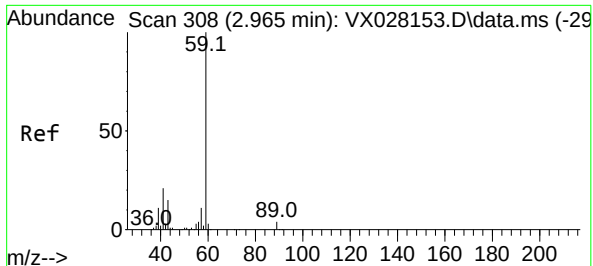
Tgt Ion: 74 Resp: 24
Ion Ratio Lower Upper
74 100
45 3141.7 42.0 126.0#



#10
Methyl Iodide
Concen: 5.391 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion:142 Resp: 805
Ion Ratio Lower Upper
142 100
127 38.5 33.9 50.9
141 12.4 11.4 17.2

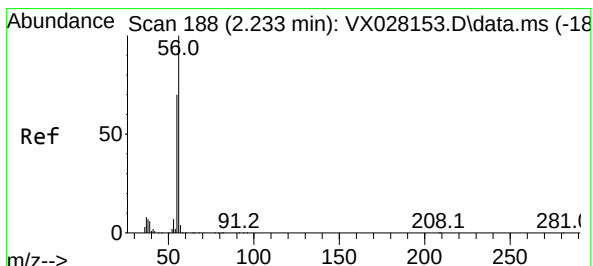
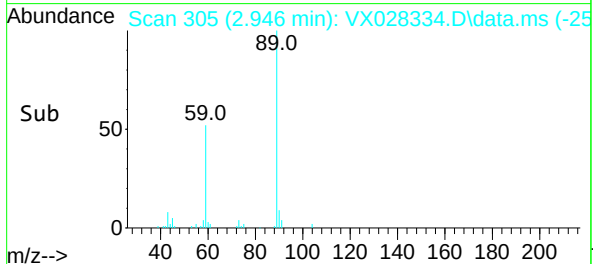
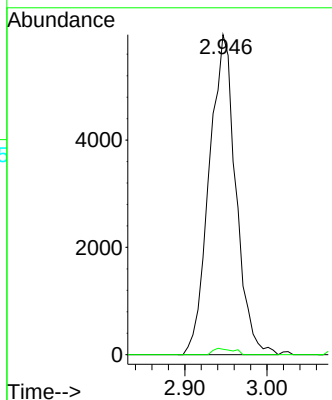
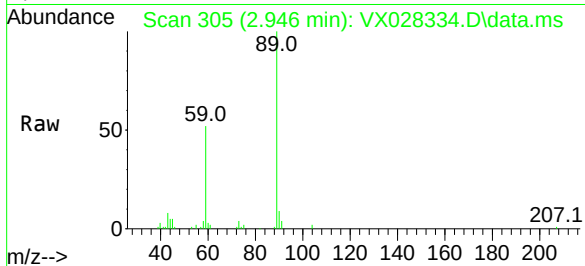




#11
Tert butyl alcohol
Concen: 3.095 ug/l
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

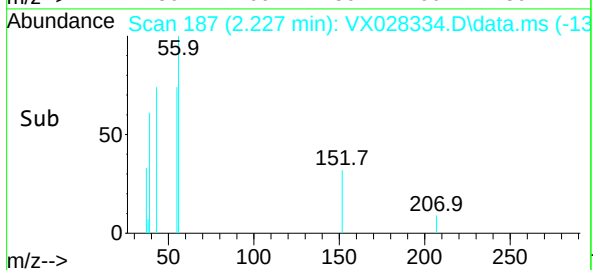
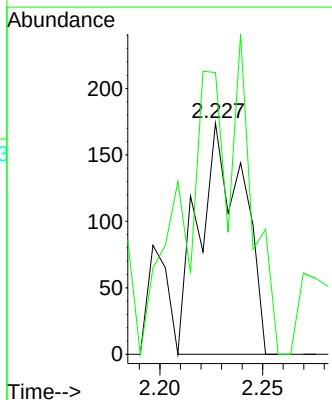
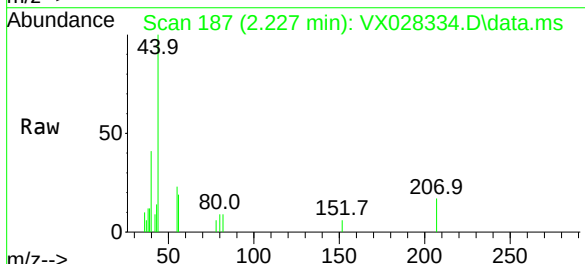
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

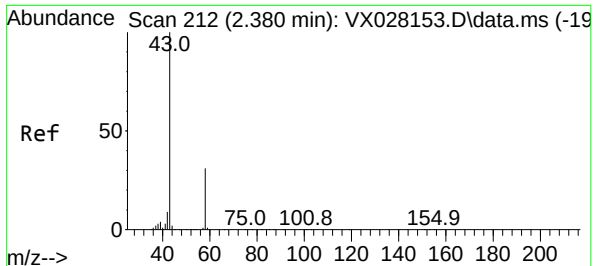
Tgt Ion: 59 Resp: 13438
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#



#13
Acrolein
Concen: 0.393 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 119.5 55.0 82.6#

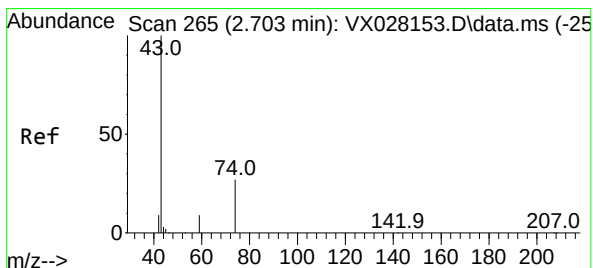
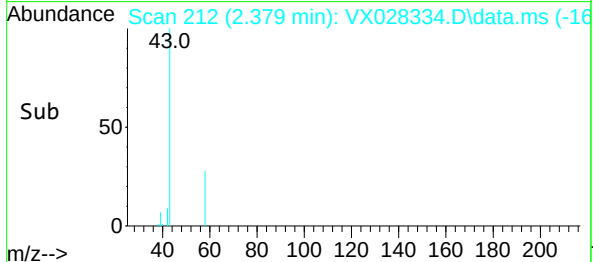
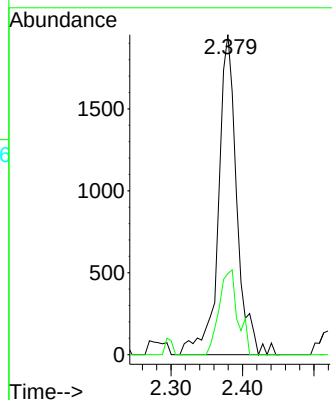
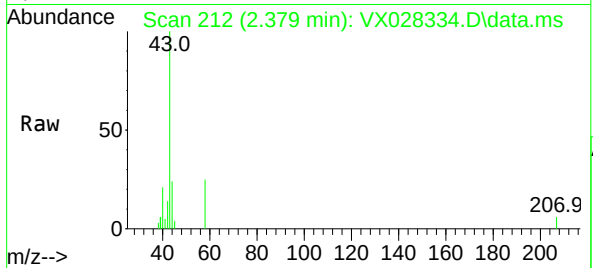




#16
Acetone
Concen: 0.716 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

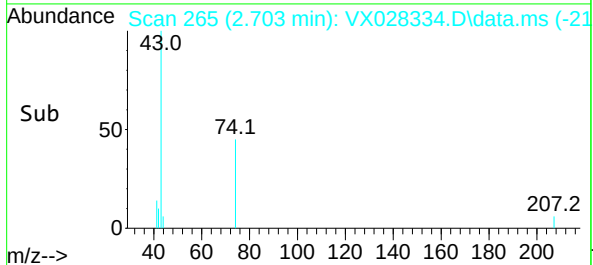
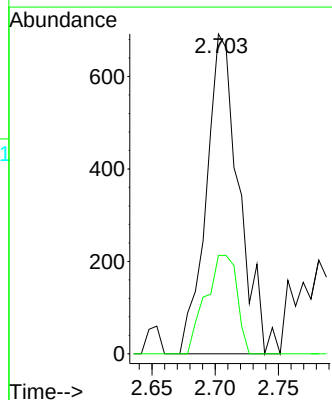
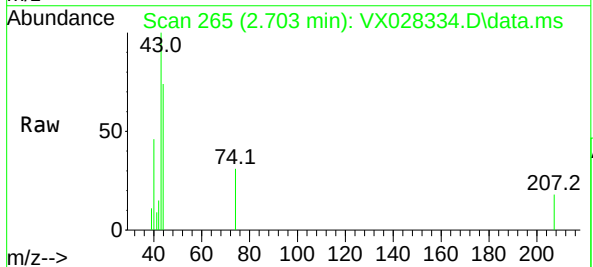
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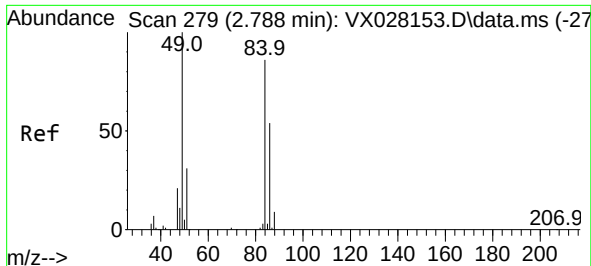
Tgt Ion: 43 Resp: 3501
Ion Ratio Lower Upper
43 100
58 25.3 28.8 43.2#



#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
74 29.2 22.8 34.2

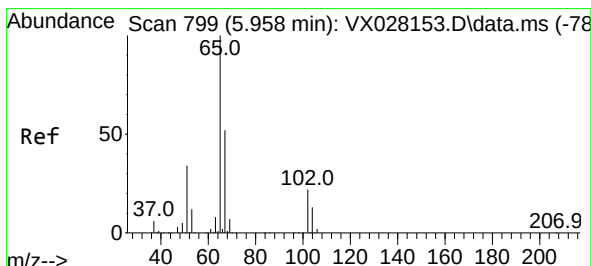
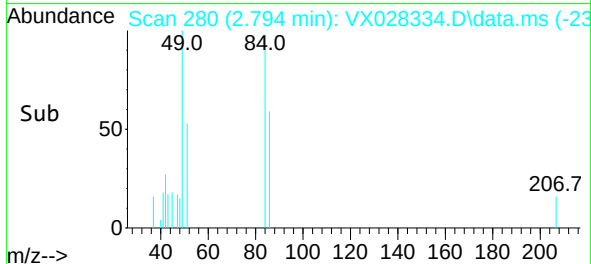
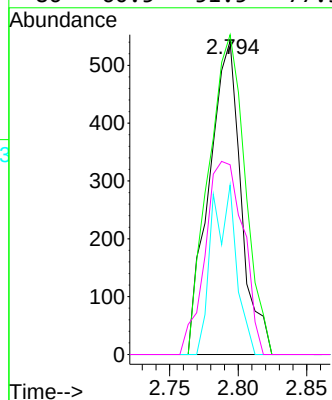
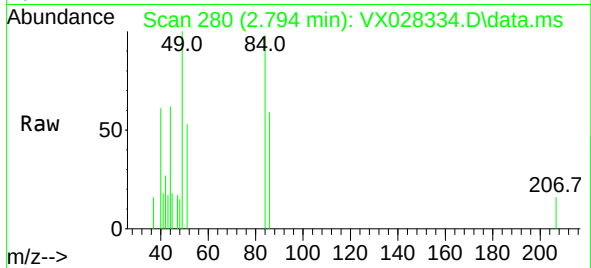




#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

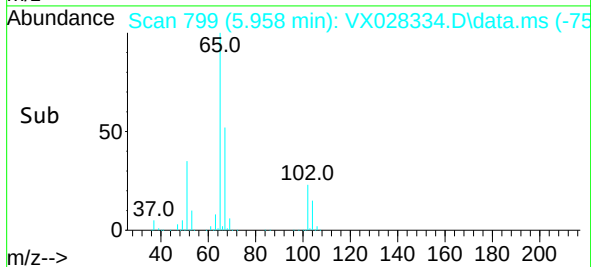
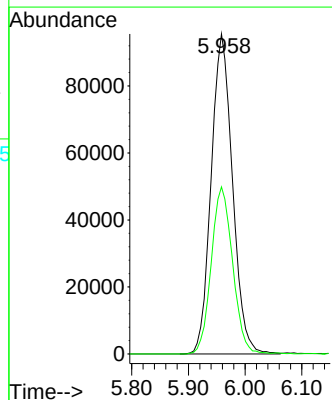
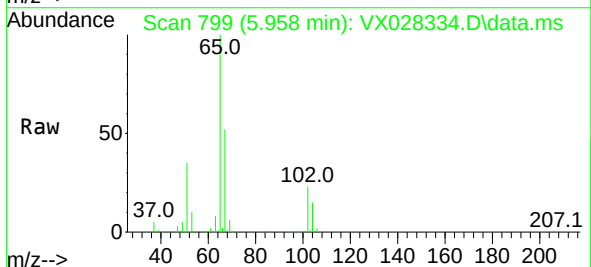
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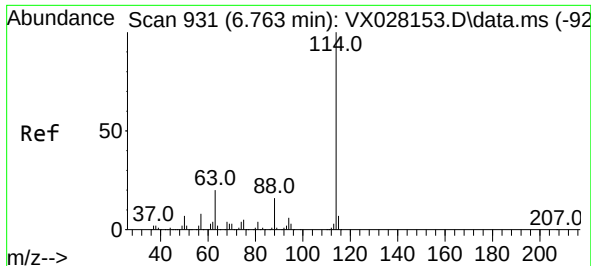
Tgt Ion:	84	Resp:	879
Ion	Ratio	Lower	Upper
84	100		
49	102.0	85.5	128.3
51	54.1	26.6	39.8#
86	60.5	51.5	77.3



#33
1,2-Dichloroethane-d4
Concen: 45.832 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

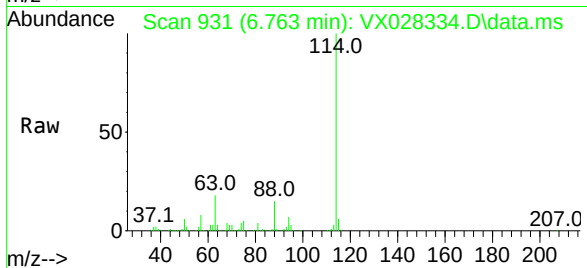
Tgt Ion:	65	Resp:	249189
Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	107.4



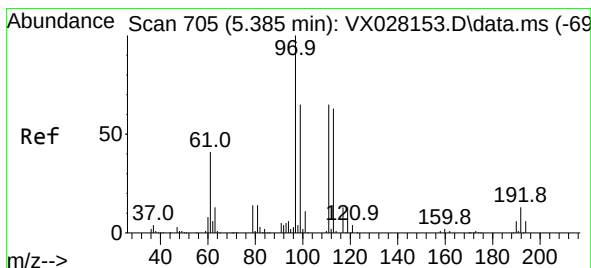
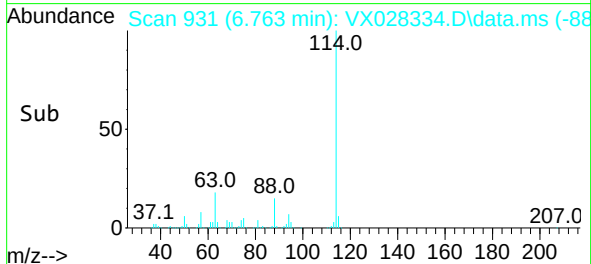
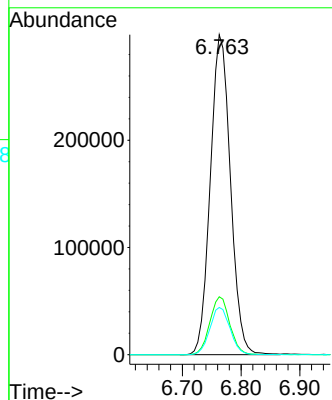


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

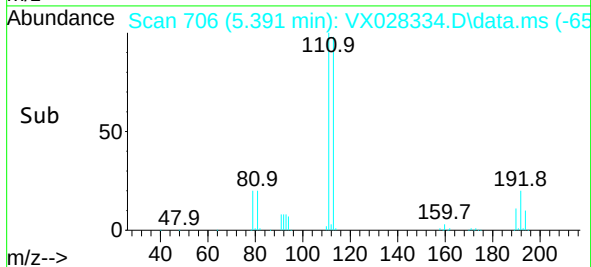
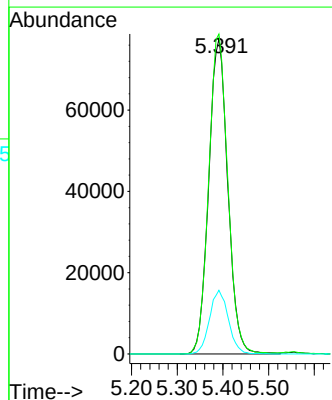
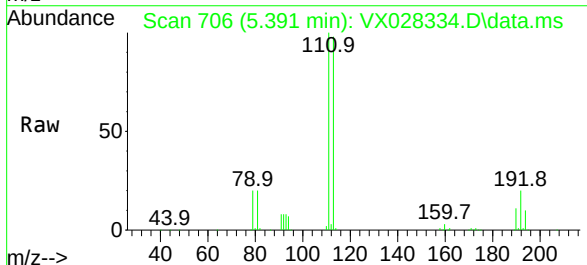


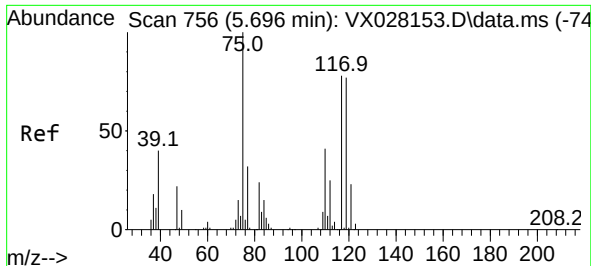
Tgt Ion:114 Resp: 710053
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 14.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.155 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion:113 Resp: 224849
Ion Ratio Lower Upper
113 100
111 101.3 82.8 124.2
192 19.9 16.9 25.3

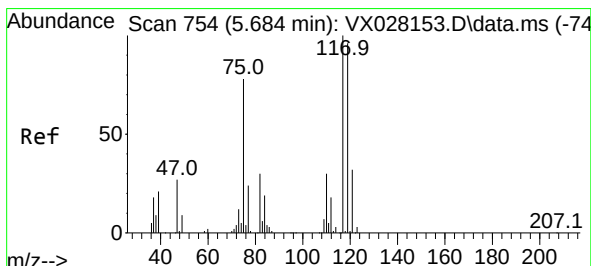
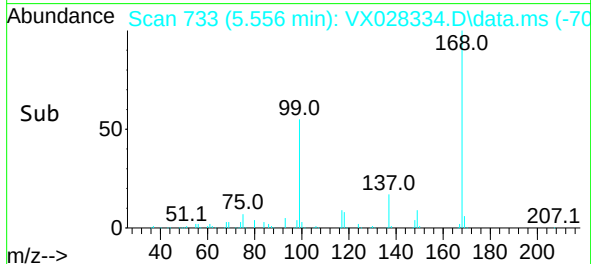
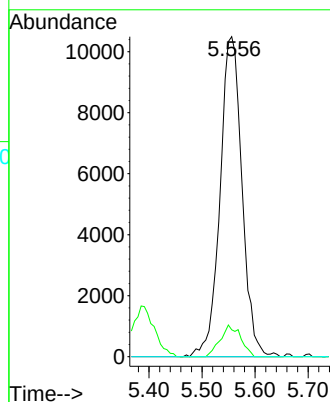
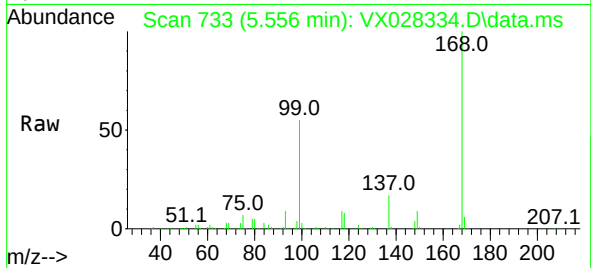




#36
1,1-Dichloropropene
Concen: 4.641 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

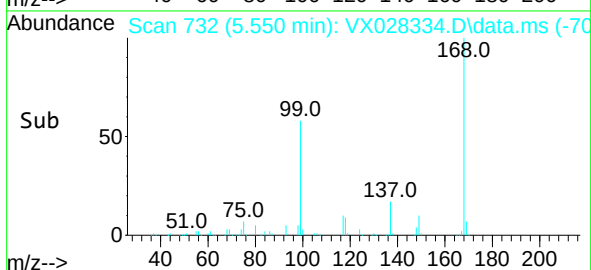
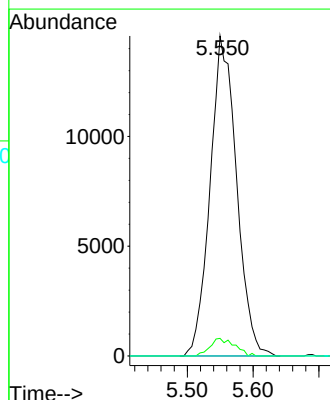
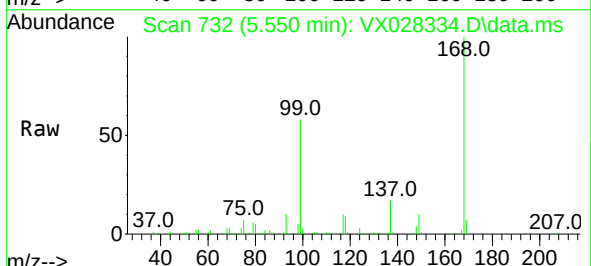
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

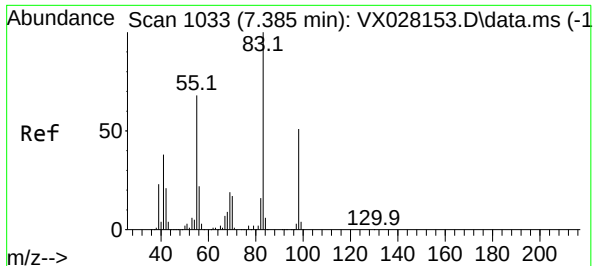
Tgt Ion: 75 Resp: 30142
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.564 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 117 Resp: 40799
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.923 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

Instrument :

MSVOA_X

ClientSampleId :

WC-15-1-8MEDL

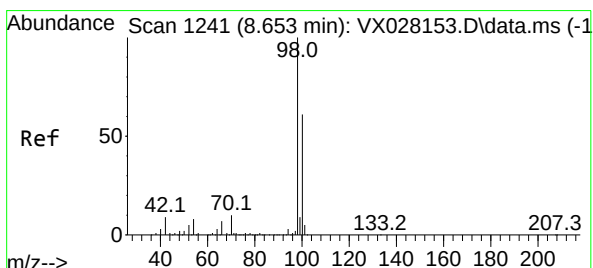
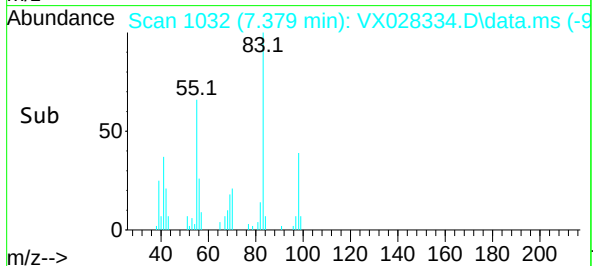
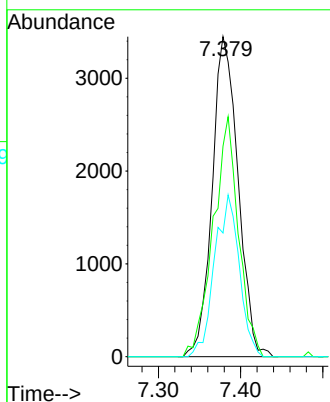
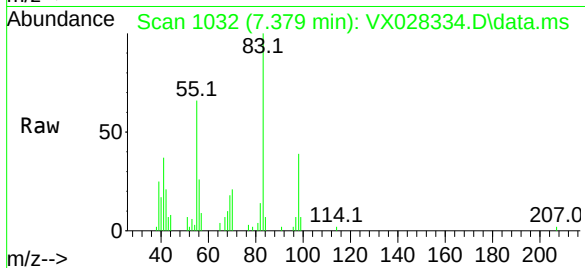
Tgt Ion: 83 Resp: 7561

Ion Ratio Lower Upper

83 100

55 65.8 54.6 81.8

98 38.6 37.4 56.2



#50

Toluene-d8

Concen: 44.028 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028334.D

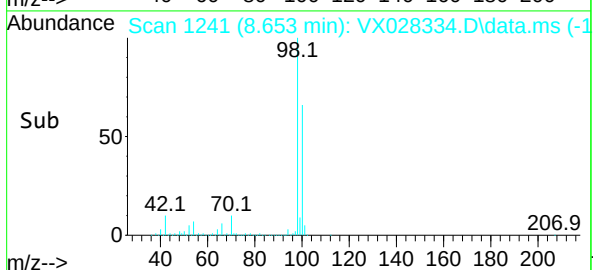
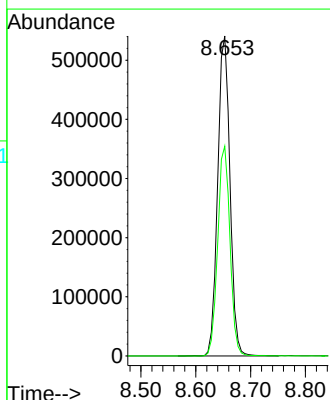
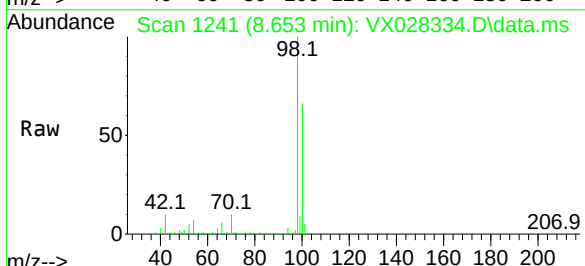
Acq: 25 Apr 2022 18:21

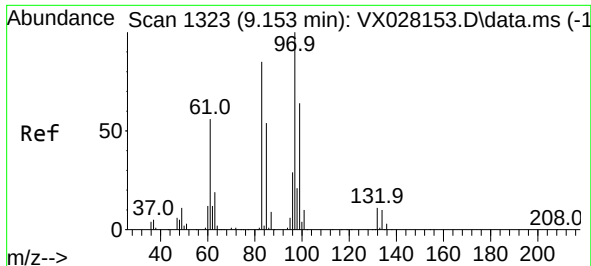
Tgt Ion: 98 Resp: 842049

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

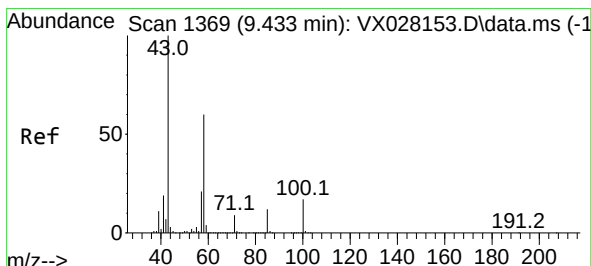
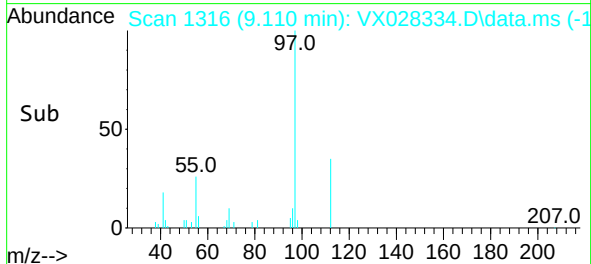
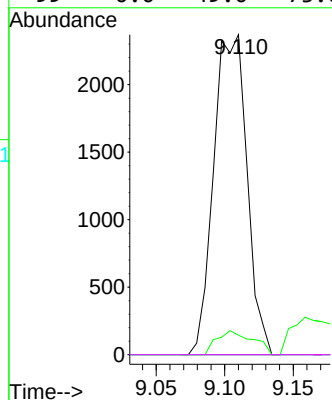
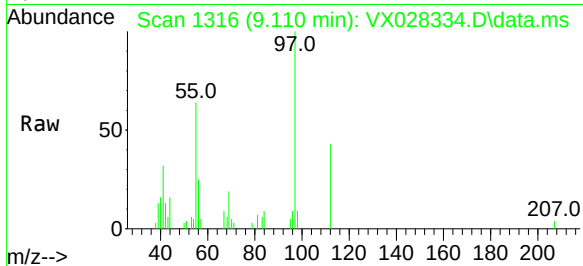




#55
 1,1,2-Trichloroethane
 Concen: 0.745 ug/l
 RT: 9.110 min Scan# 11
 Delta R.T. -0.043 min
 Lab File: VX028334.D
 Acq: 25 Apr 2022 18:21

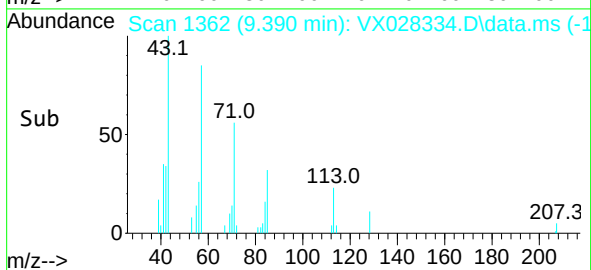
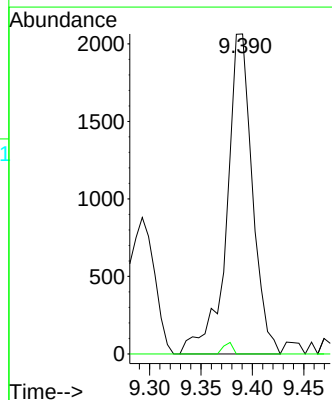
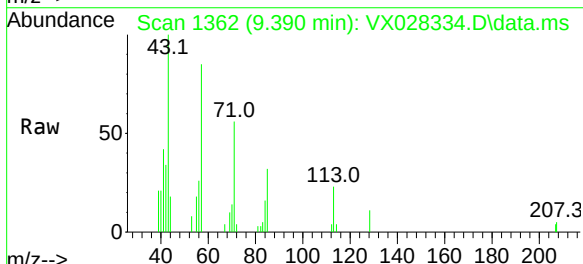
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-15-1-8MEDL

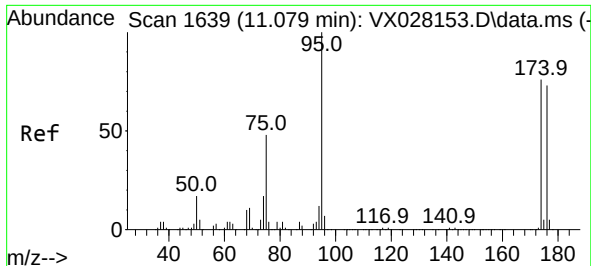
Tgt Ion: 97	Resp: 3998
Ion Ratio	Lower Upper
97 100	
83 6.1	66.2 99.4#
85 0.0	42.9 64.3#
99 0.0	49.0 73.6#



#59
 2-Hexanone
 Concen: 0.674 ug/l
 RT: 9.390 min Scan# 1362
 Delta R.T. -0.043 min
 Lab File: VX028334.D
 Acq: 25 Apr 2022 18:21

Tgt Ion: 43	Resp:	3592	
Ion	Ratio	Lower	Upper
43	100		
58	1.3	31.9	95.7#





#62

4-Bromofluorobenzene

Concen: 43.555 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

Instrument :

MSVOA_X

ClientSampleId :

WC-15-1-8MEDL

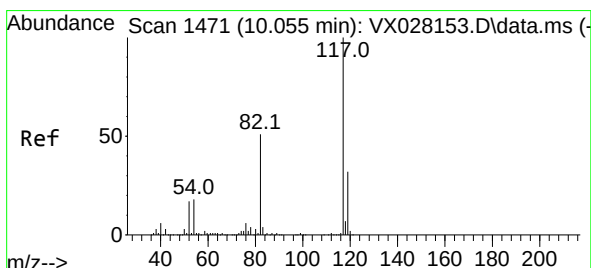
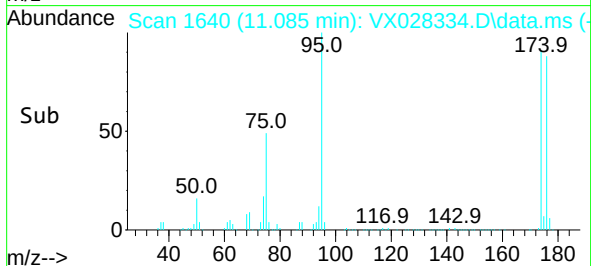
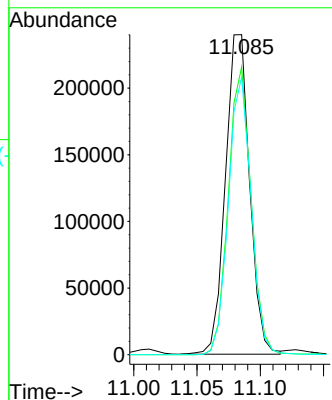
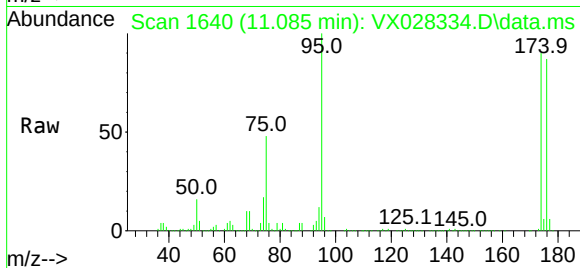
Tgt Ion: 95 Resp: 318507

Ion Ratio Lower Upper

95 100

174 84.9 0.0 163.0

176 81.8 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

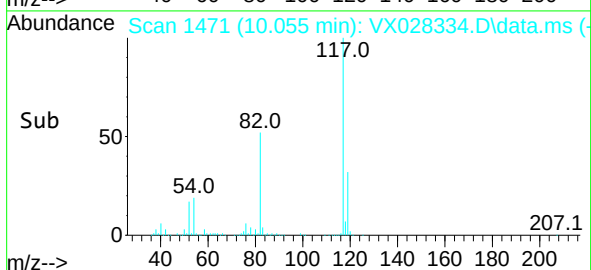
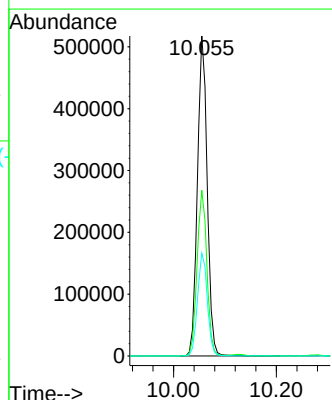
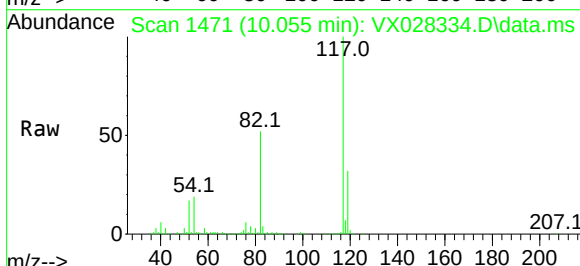
Tgt Ion: 117 Resp: 685331

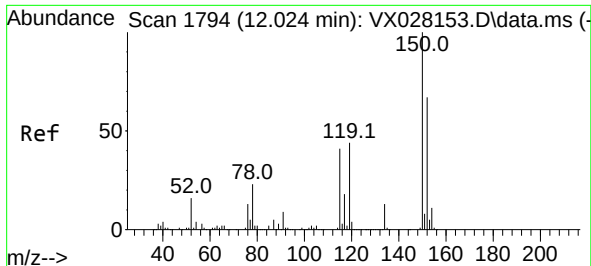
Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

119 32.1 24.8 37.2

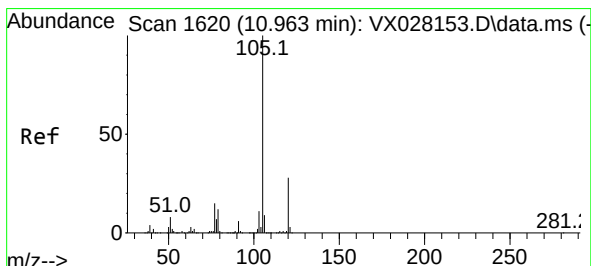
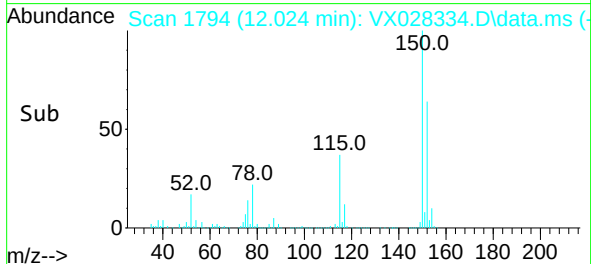
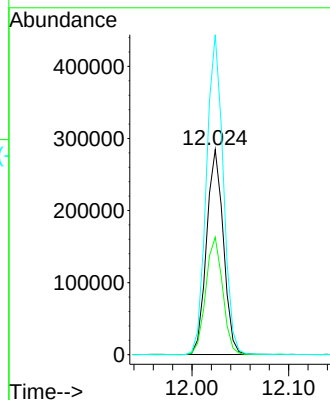
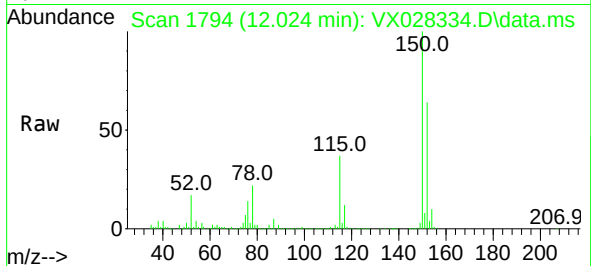




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

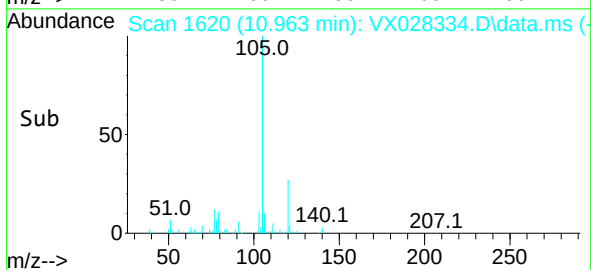
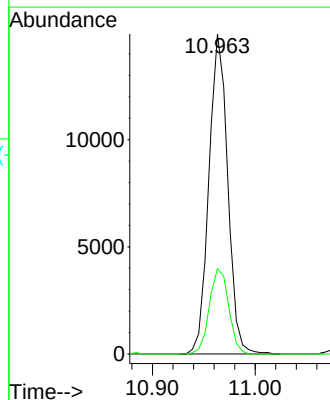
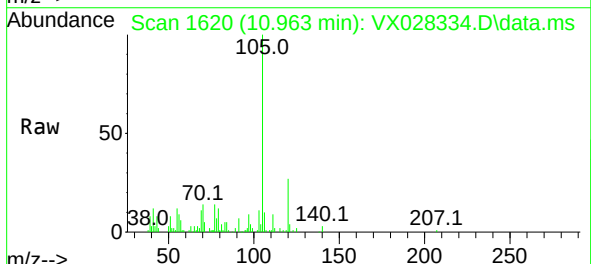
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

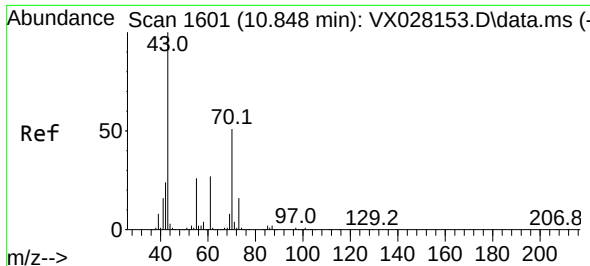
Tgt Ion:152 Resp: 344798
Ion Ratio Lower Upper
152 100
115 57.5 37.5 112.7
150 156.9 0.0 338.2



#73
Isopropylbenzene
Concen: 0.799 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion:105 Resp: 18936
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.5

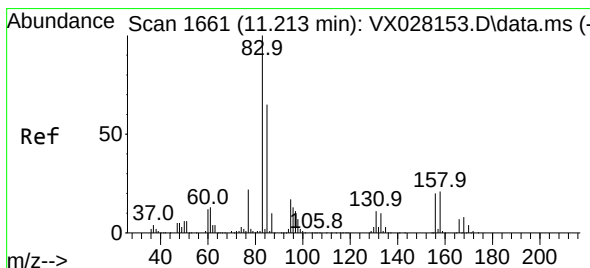
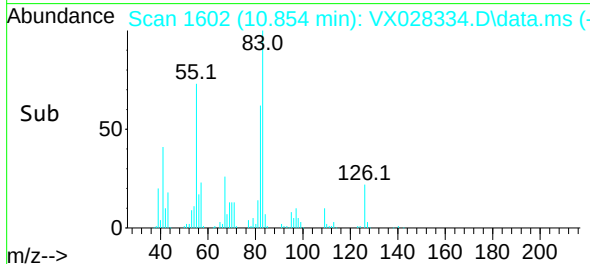
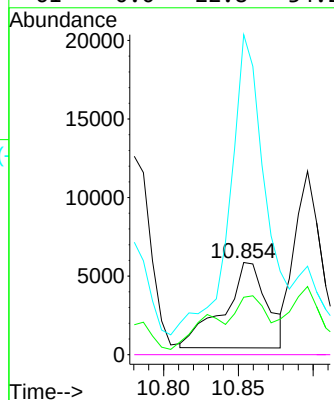
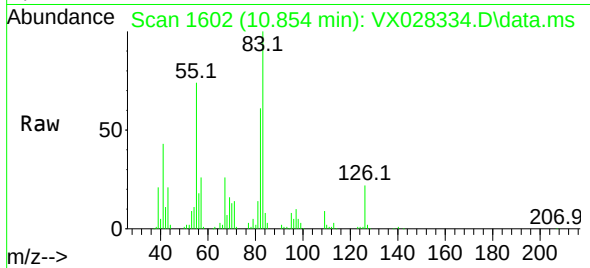




#74
N-amy1 acetate
Concen: 1.343 ug/l
RT: 10.854 min Scan# 11004
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

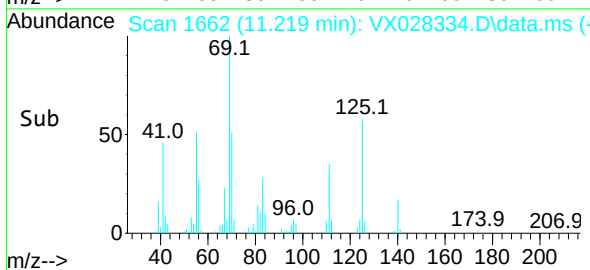
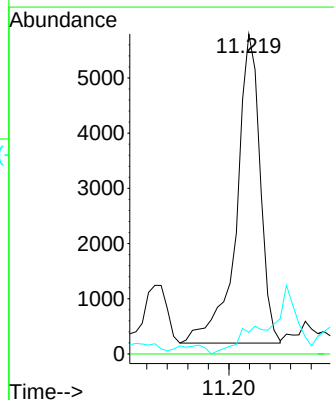
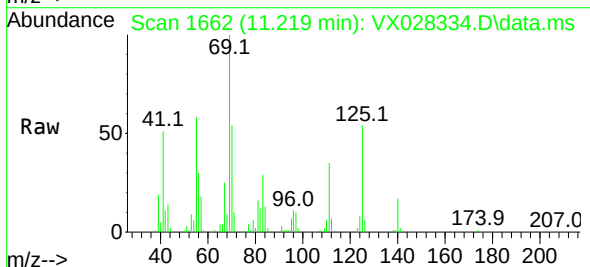
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

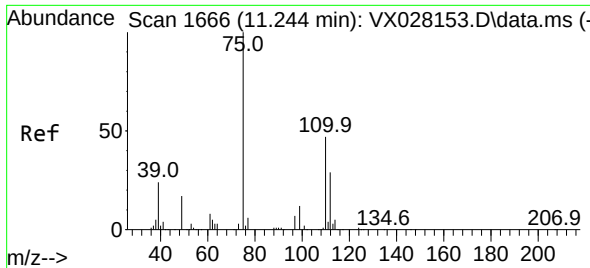
Tgt Ion: 43	Resp:	11004
Ion	Ratio	Lower Upper
43	100	
70	46.3	42.5 63.7
55	284.3	23.1 34.7#
61	0.0	22.8 34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.166 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 83	Resp:	8968
Ion	Ratio	Lower Upper
83	100	
131	0.0	5.1 15.3#
85	0.0	32.6 97.7#

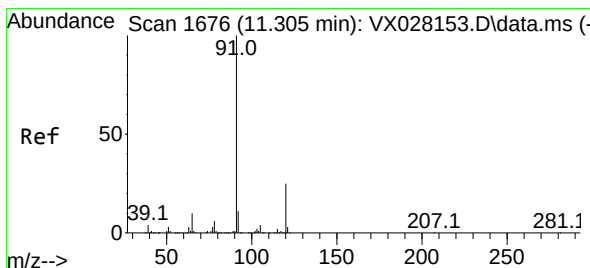
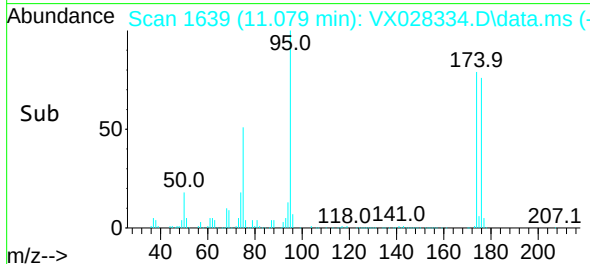
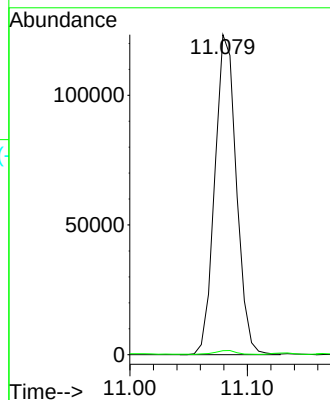
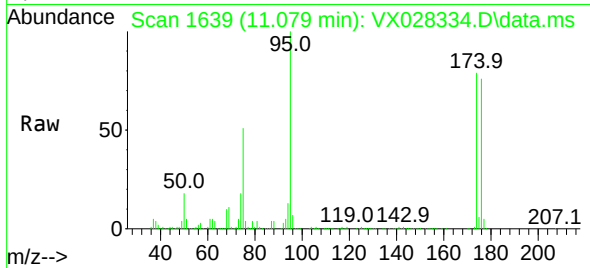




#76
1,2,3-Trichloropropane
Concen: 23.218 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

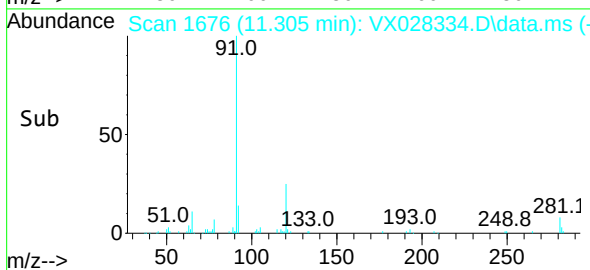
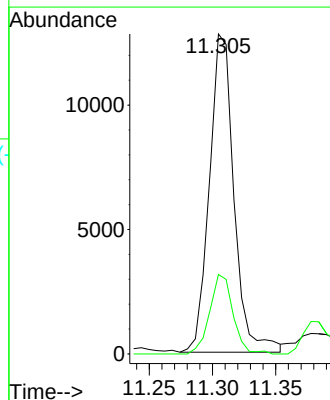
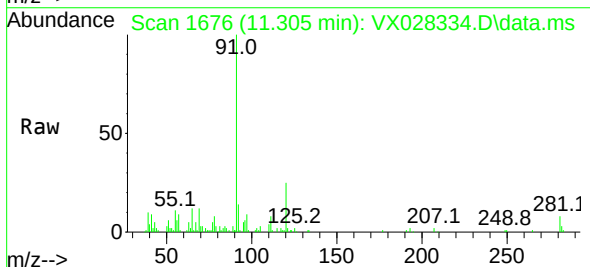
Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

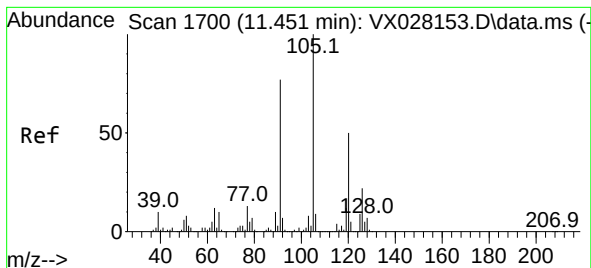
Tgt Ion: 75 Resp: 157557
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#78
n-propylbenzene
Concen: 0.659 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion: 91 Resp: 17327
Ion Ratio Lower Upper
91 100
120 23.6 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 0.571 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

Instrument :

MSVOA_X

ClientSampleId :

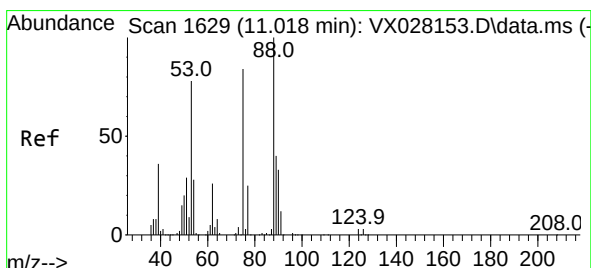
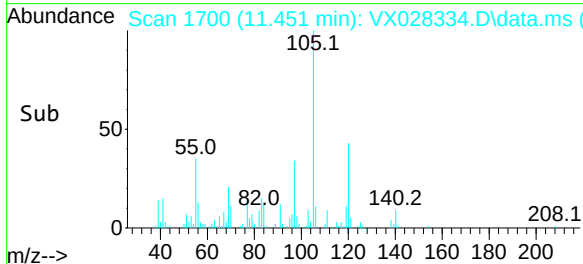
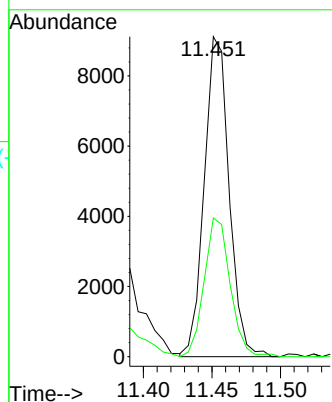
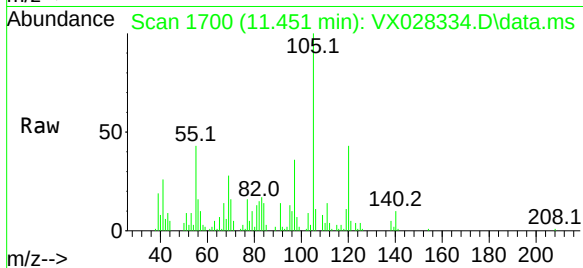
WC-15-1-8MEDL

Tgt Ion:105 Resp: 11496

Ion Ratio Lower Upper

105 100

120 45.3 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 68.999 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

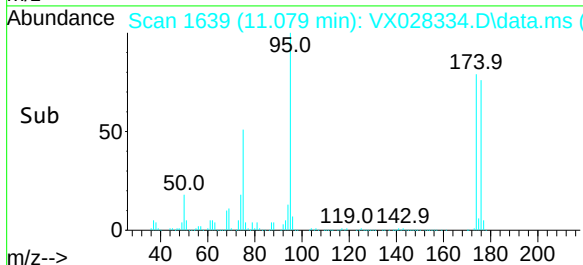
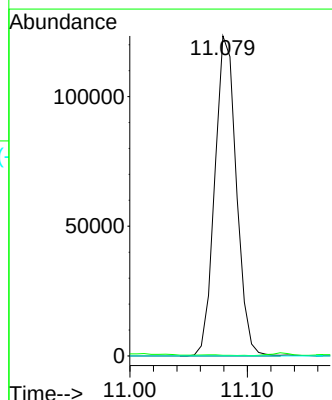
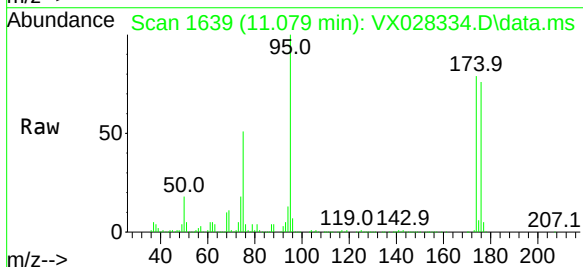
Tgt Ion: 75 Resp: 157557

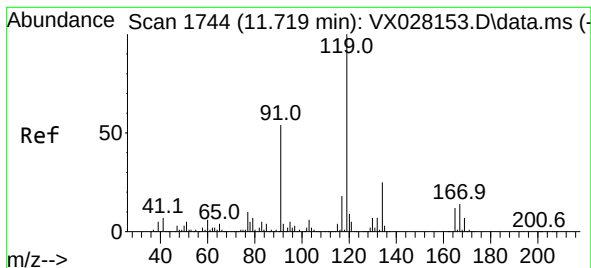
Ion Ratio Lower Upper

75 100

53 0.2 69.0 103.4#

89 0.0 37.0 55.6#





#83

tert-Butylbenzene

Concen: 0.241 ug/l

RT: 11.719 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

Instrument :

MSVOA_X

ClientSampleId :

WC-15-1-8MEDL

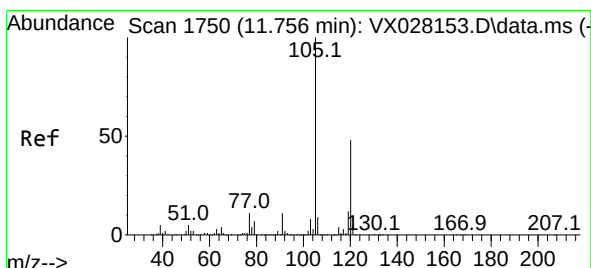
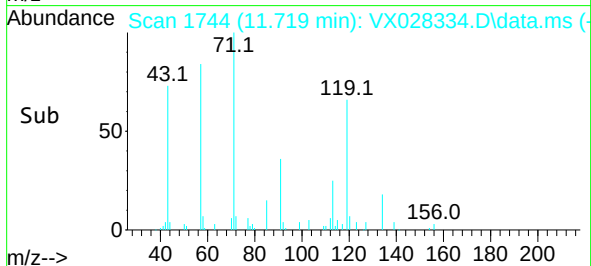
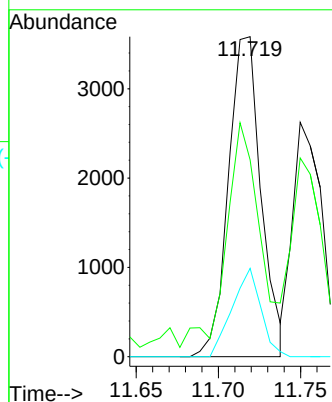
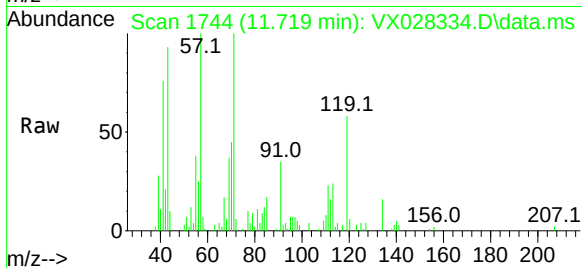
Tgt Ion:119 Resp: 4950

Ion Ratio Lower Upper

119 100

91 71.5 26.9 80.6

134 24.3 11.4 34.2



#84

1,2,4-Trimethylbenzene

Concen: 1.203 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX028334.D

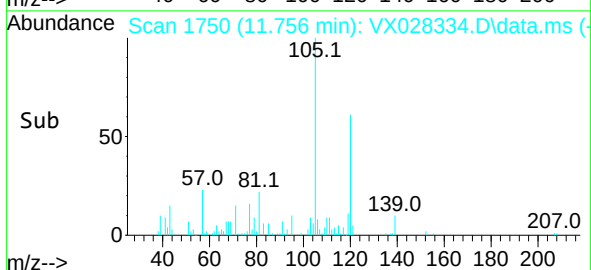
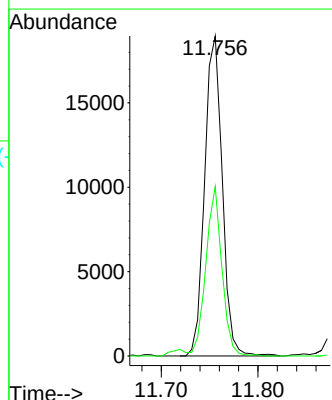
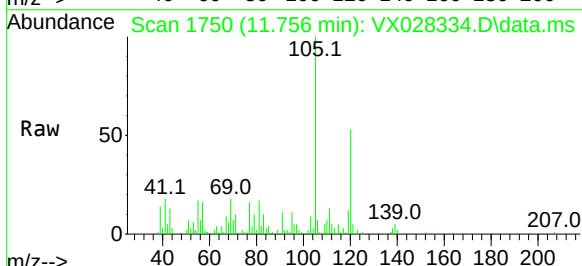
Acq: 25 Apr 2022 18:21

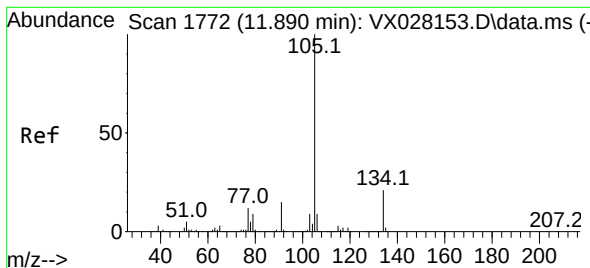
Tgt Ion:105 Resp: 24056

Ion Ratio Lower Upper

105 100

120 50.0 22.6 67.8





#85

sec-Butylbenzene

Concen: 1.203 ug/l

RT: 11.890 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

Instrument :

MSVOA_X

ClientSampleId :

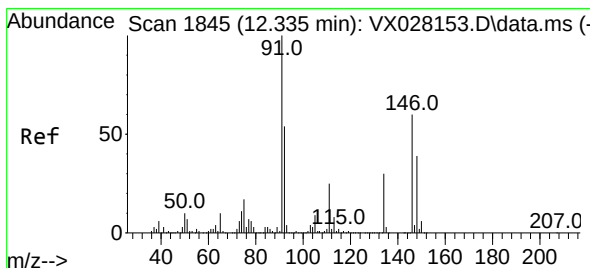
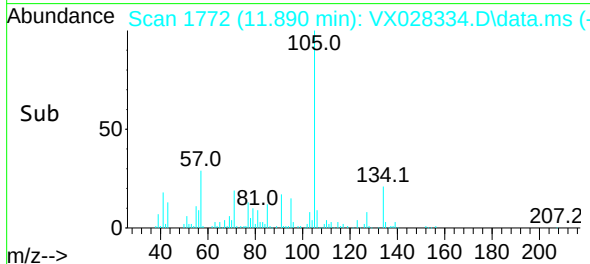
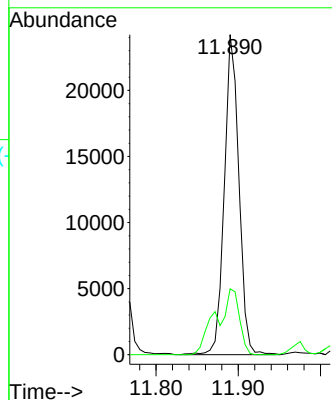
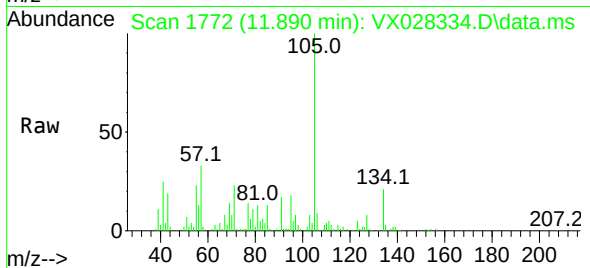
WC-15-1-8MEDL

Tgt Ion:105 Resp: 29816

Ion Ratio Lower Upper

105 100

134 32.7 10.2 30.4#



#89

n-Butylbenzene

Concen: 0.522 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX028334.D

Acq: 25 Apr 2022 18:21

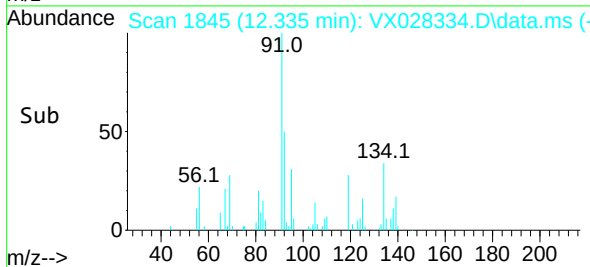
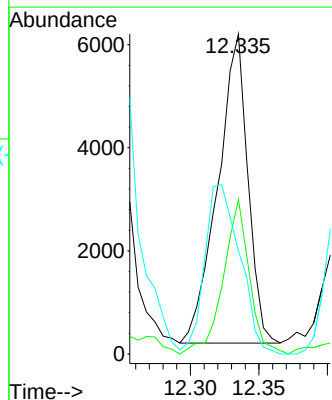
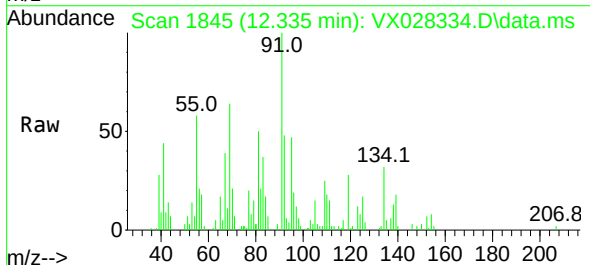
Tgt Ion: 91 Resp: 9158

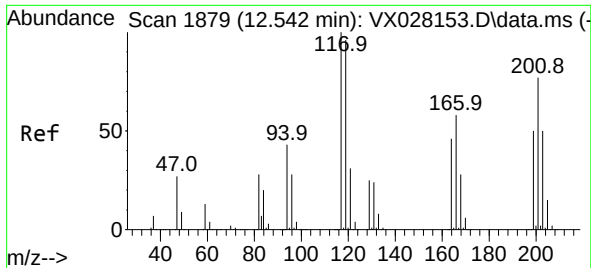
Ion Ratio Lower Upper

91 100

92 43.2 27.8 83.3

134 64.1 13.3 39.8#

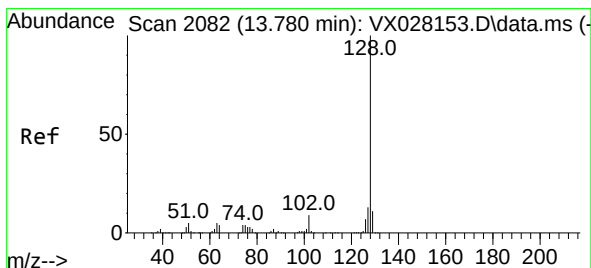
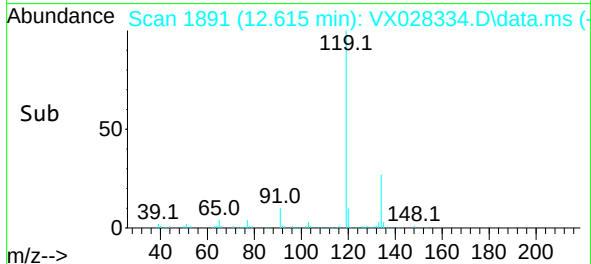
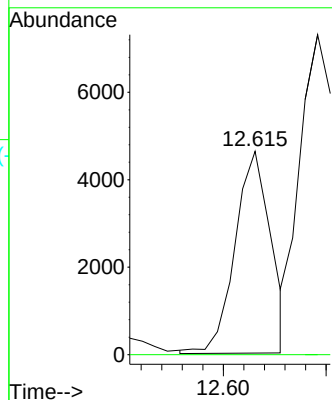
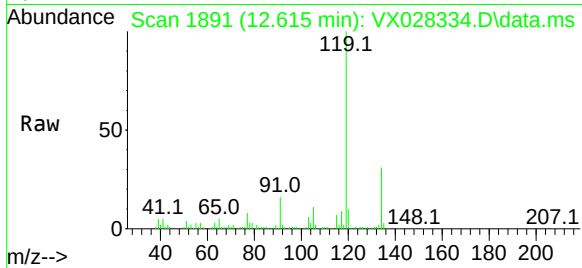




#90
Hexachloroethane
Concen: 3.210 ug/l
RT: 12.615 min Scan# 1879
Delta R.T. 0.073 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Instrument :
MSVOA_X
ClientSampleId :
WC-15-1-8MEDL

Tgt Ion:117 Resp: 5573
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.213 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX028334.D
Acq: 25 Apr 2022 18:21

Tgt Ion:128 Resp: 4852
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.4
129 21.3 8.7 13.1#

