

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091521\
 Data File : VN068496.D
 Acq On : 15 Sep 2021 20:22
 Operator : JC/MD
 Sample : M3759-19 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41094

Quant Time: Sep 16 03:19:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

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

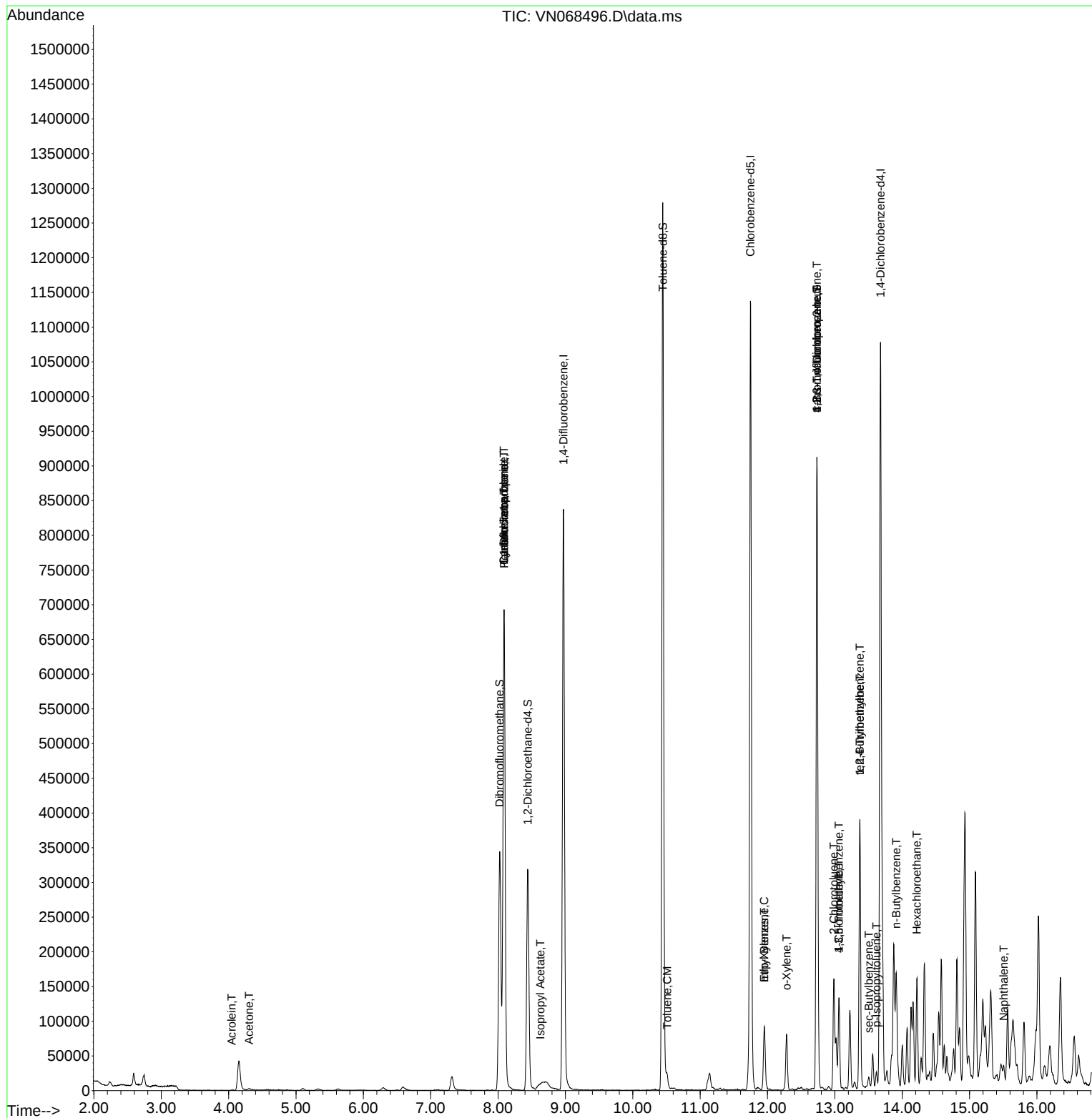
Internal Standards						
1) Pentafluorobenzene	8.091	168	601510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	841467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	746580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	334393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	274525	49.754	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.500%		
35) Dibromofluoromethane	8.024	113	259086	51.050	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.100%		
50) Toluene-d8	10.446	98	963853	52.283	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.560%		
62) 4-Bromofluorobenzene	12.733	95	305316	51.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	103.520%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.372	59	350	Below Cal	#	84
13) Acrolein	4.044	56	329	0.803	ug/l #	14
16) Acetone	4.301	43	3674	2.012	ug/l #	78
18) Methyl Acetate	4.867	43	930	Below Cal	#	63
20) Methylene Chloride	5.098	84	2219	Below Cal	#	87
31) Cyclohexane	8.088	56	9241	1.105	ug/l #	20
36) 1,1-Dichloropropene	8.088	75	36073	5.142	ug/l #	46
38) Carbon Tetrachloride	8.088	117	52812	6.284	ug/l #	16
43) Isopropyl Acetate	8.627	43	9156	0.972	ug/l #	51
52) Toluene	10.510	92	6374	0.463	ug/l	99
67) Ethyl Benzene	11.953	91	60116	2.395	ug/l #	64
68) m/p-Xylenes	11.953	106	31824	3.148	ug/l	99
69) o-Xylene	12.283	106	24485	2.486	ug/l	96
76) 1,2,3-Trichloropropane	12.733	75	150194	28.454	ug/l #	1
79) 2-Chlorotoluene	12.986	91	13912	0.898	ug/l #	35
80) 1,3,5-Trimethylbenzene	13.061	105	66963	3.465	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.733	75	150194	99.541	ug/l #	14
82) 4-Chlorotoluene	13.061	91	6872	0.460	ug/l #	36
83) tert-Butylbenzene	13.372	119	30239	1.714	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.372	105	230474	12.436	ug/l	100
85) sec-Butylbenzene	13.506	105	11029	0.474	ug/l	90
86) p-Isopropyltoluene	13.619	119	13017	0.663	ug/l	94
89) n-Butylbenzene	13.911	91	7130	0.498	ug/l #	1
90) Hexachloroethane	14.217	117	8264	2.398	ug/l #	1
95) Naphthalene	15.507	128	13557	4.449	ug/l #	87

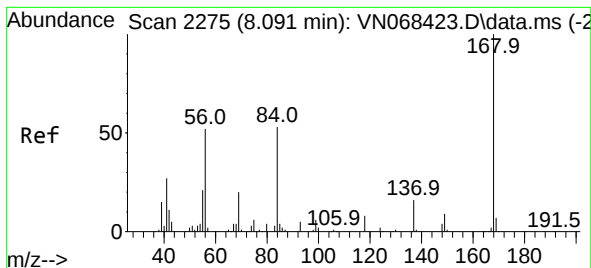
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.000 min

Lab File: VN068496.D

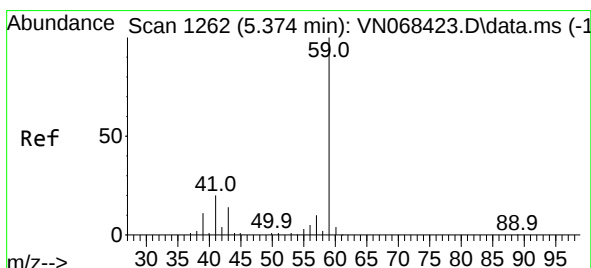
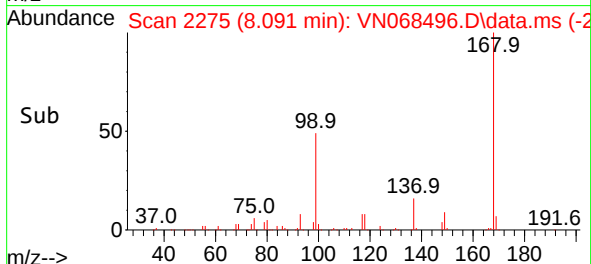
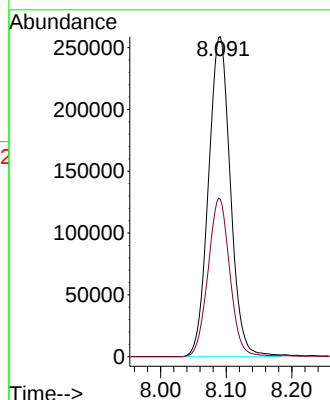
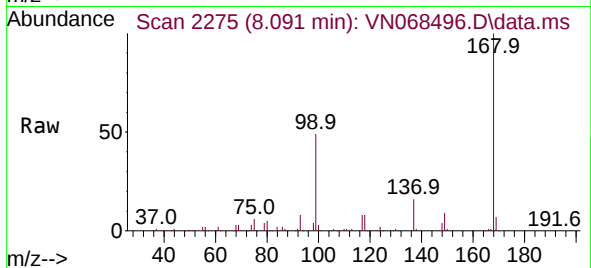
Acq: 15 Sep 2021 20:22

Tgt Ion:168 Resp: 601510

Ion Ratio Lower Upper

168 100

99 49.1 38.2 57.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.372 min Scan# 1261

Delta R.T. -0.002 min

Lab File: VN068496.D

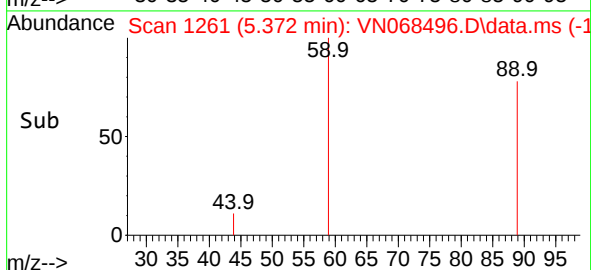
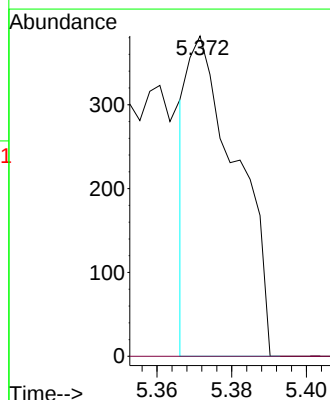
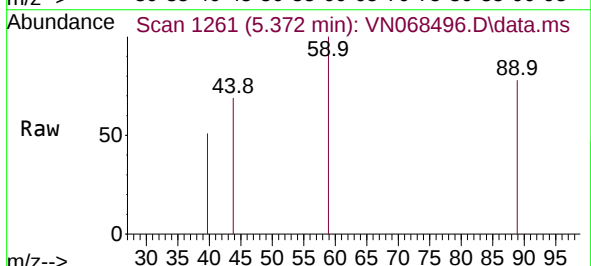
Acq: 15 Sep 2021 20:22

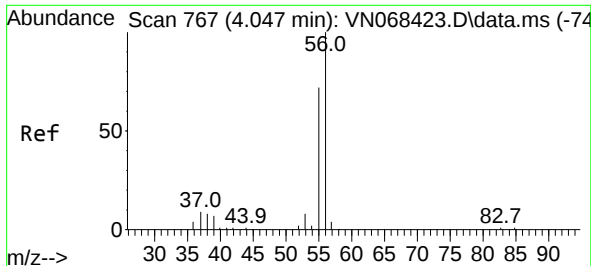
Tgt Ion: 59 Resp: 350

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#

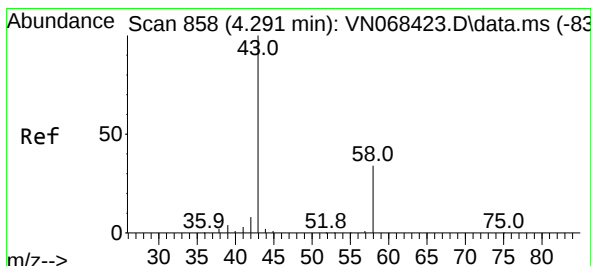
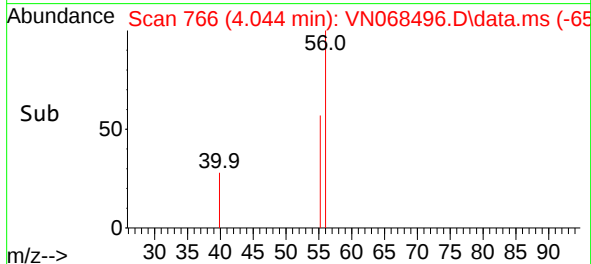
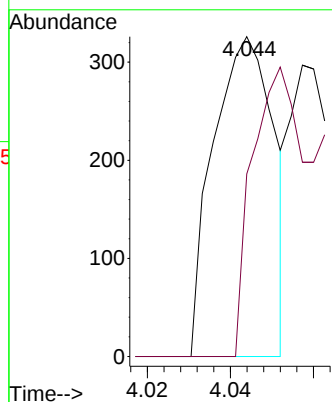
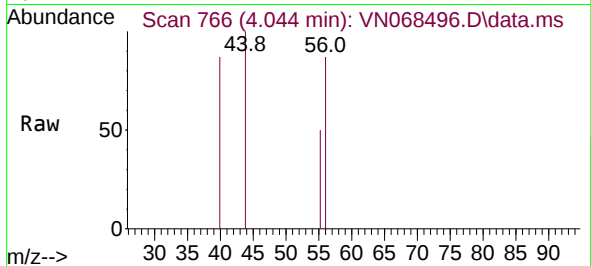




#13
Acrolein
Concen: 0.803 ug/l
RT: 4.044 min Scan# 766
Delta R.T. -0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

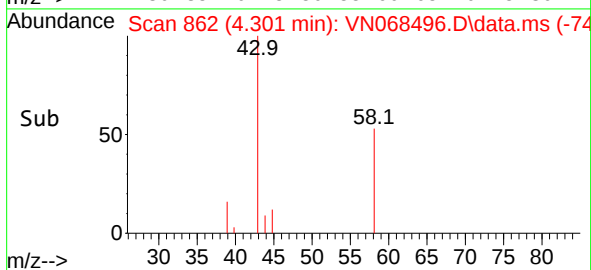
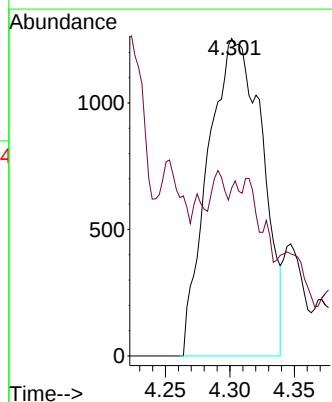
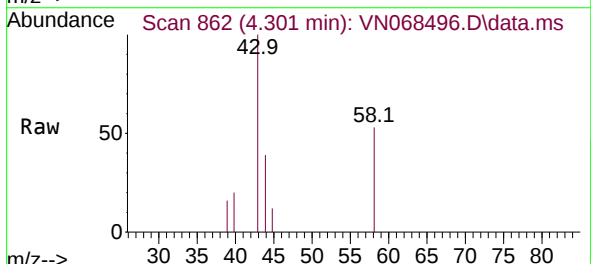
Instrument :
MSVOA_N
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41094

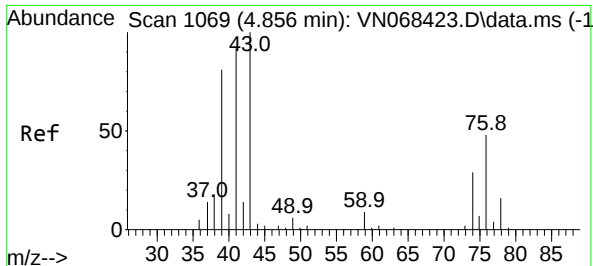
Tgt Ion: 56 Resp: 329
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 2.012 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.011 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 43 Resp: 3674
Ion Ratio Lower Upper
43 100
58 21.2 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.867 min Scan# 1073

Delta R.T. 0.011 min

Lab File: VN068496.D

Acq: 15 Sep 2021 20:22

Tgt Ion: 43 Resp: 930

Ion Ratio Lower Upper

43 100

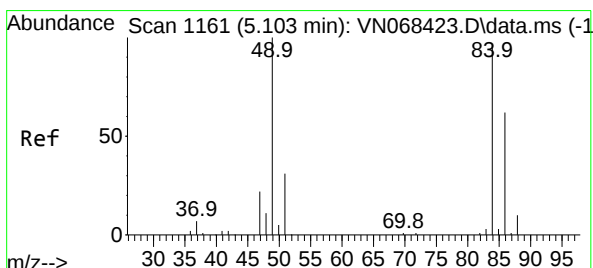
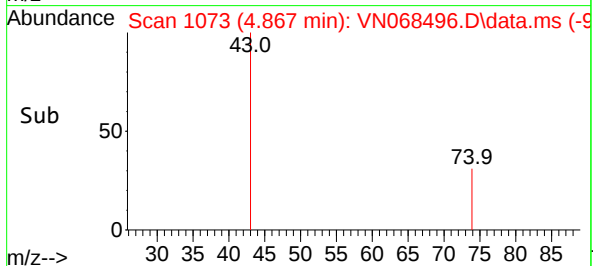
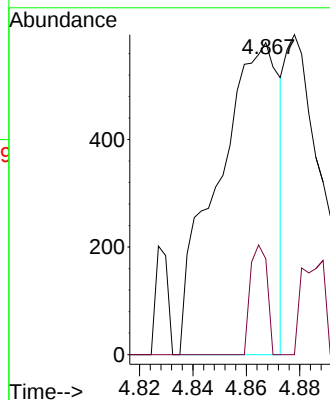
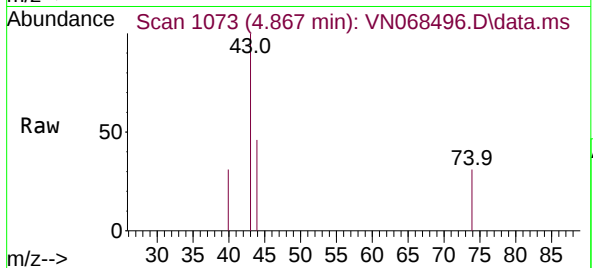
74 9.6 23.5 35.3#

Instrument :

MSVOA_N

ClientSampled :

41094



#20

Methylene Chloride

Concen: Below Cal

RT: 5.098 min Scan# 1159

Delta R.T. -0.005 min

Lab File: VN068496.D

Acq: 15 Sep 2021 20:22

Tgt Ion: 84 Resp: 2219

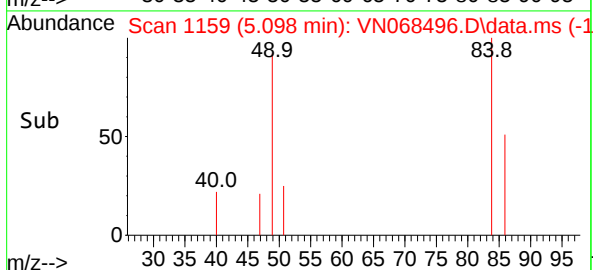
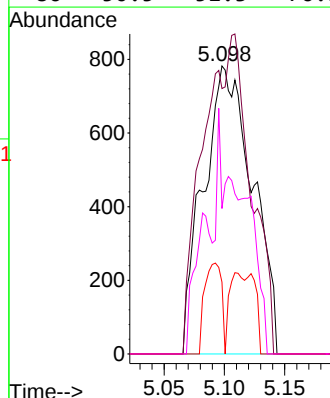
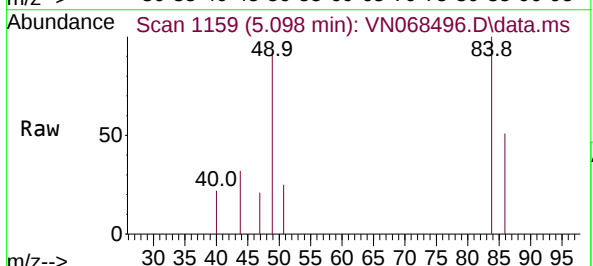
Ion Ratio Lower Upper

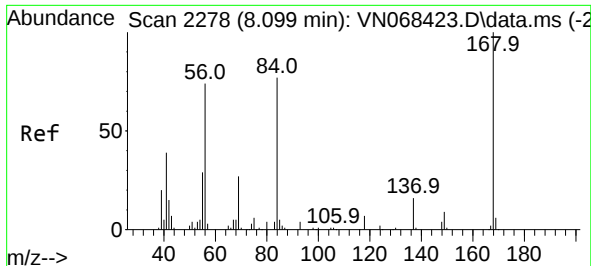
84 100

49 92.2 83.0 124.6

51 24.9 25.4 38.0#

86 50.5 51.3 76.9#





#31

Cyclohexane

Concen: 1.105 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN068496.D

Acq: 15 Sep 2021 20:22

Tgt Ion: 56 Resp: 9241

Ion Ratio Lower Upper

56 100

69 161.8 29.4 44.0#

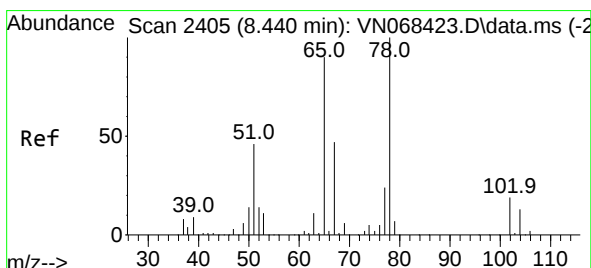
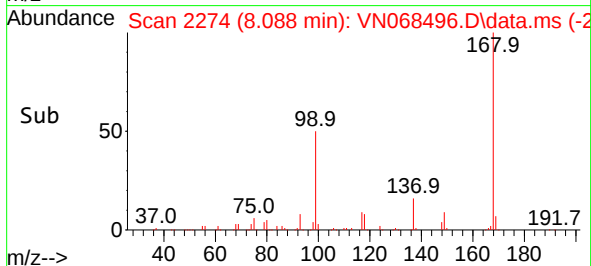
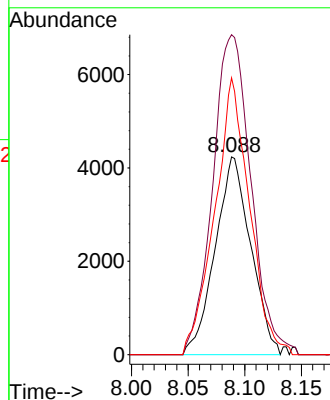
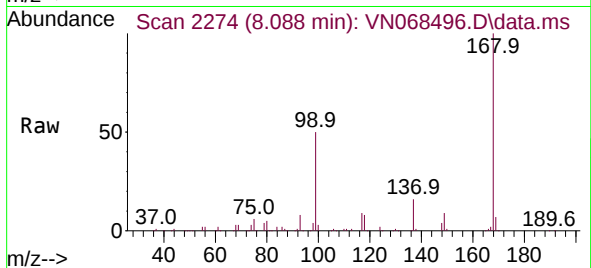
84 139.9 83.6 125.4#

Instrument :

MSVOA_N

ClientSampled :

41094



#33

1,2-Dichloroethane-d4

Concen: 49.754 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN068496.D

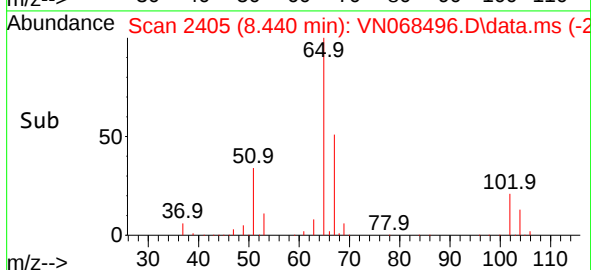
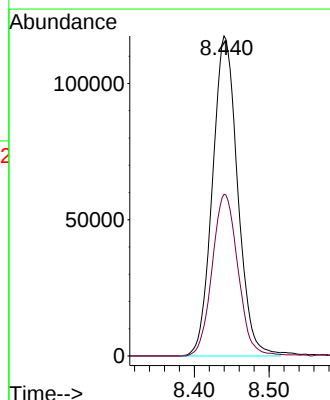
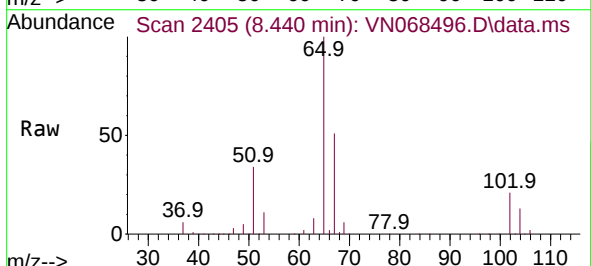
Acq: 15 Sep 2021 20:22

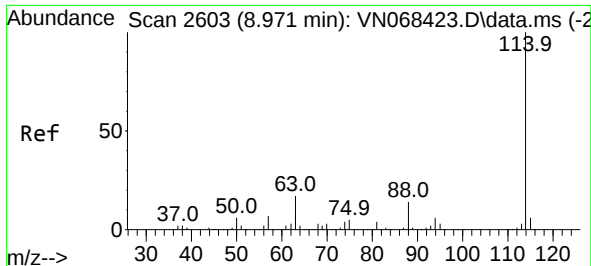
Tgt Ion: 65 Resp: 274525

Ion Ratio Lower Upper

65 100

67 51.8 0.0 104.0

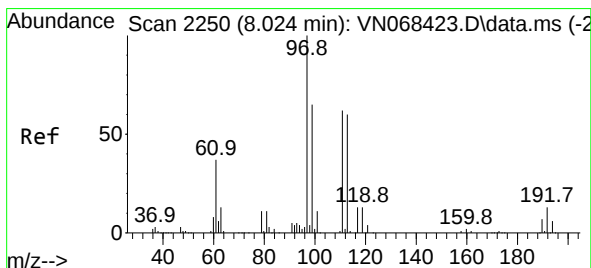
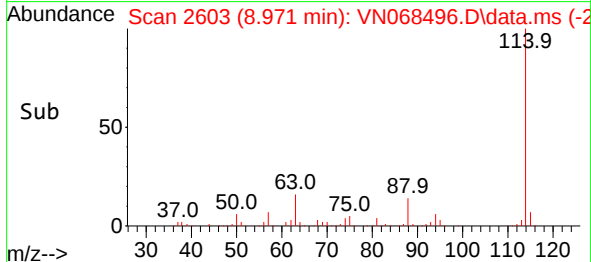
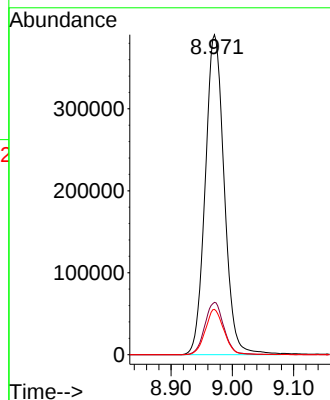
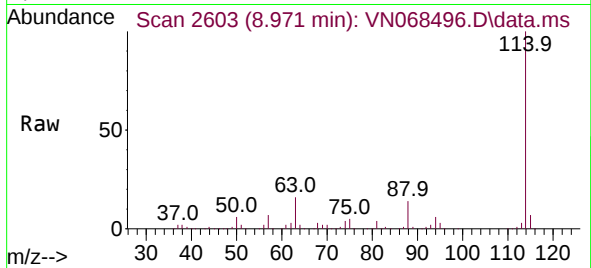




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

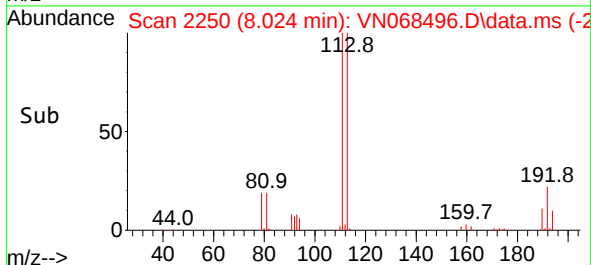
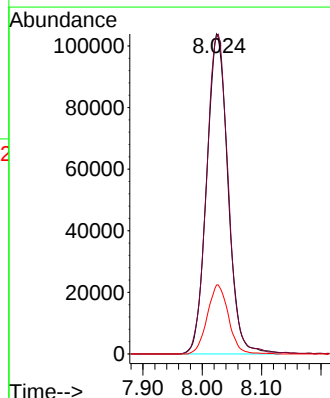
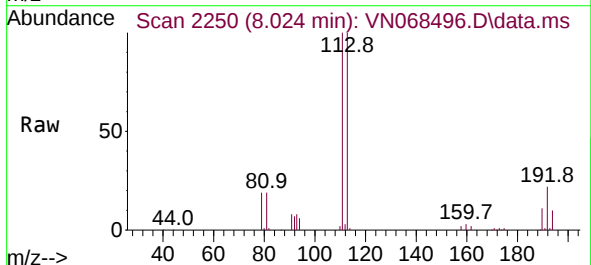
Instrument :
MSVOA_N
ClientSampled :
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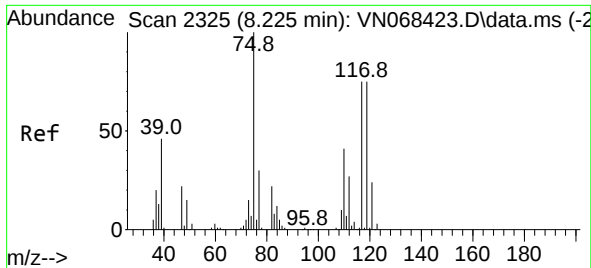
Tgt Ion:114 Resp: 841467
Ion Ratio Lower Upper
114 100
63 16.3 0.0 33.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.050 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion:113 Resp: 259086
Ion Ratio Lower Upper
113 100
111 101.0 81.1 121.7
192 21.5 17.7 26.5

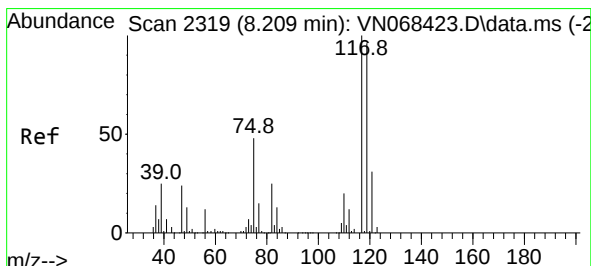
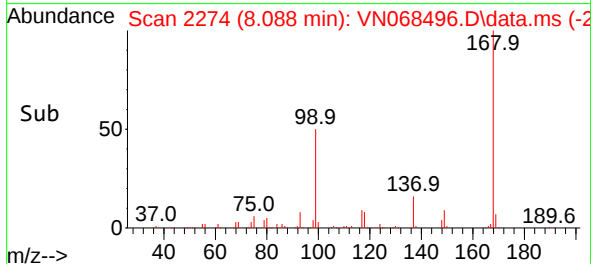
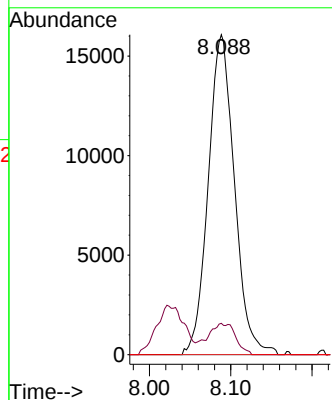
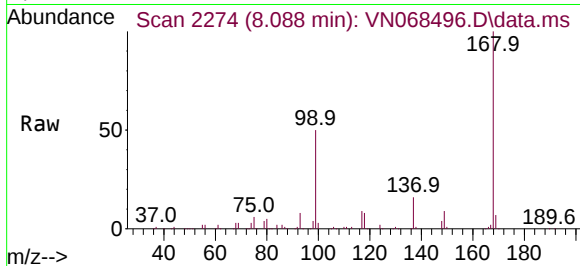




#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

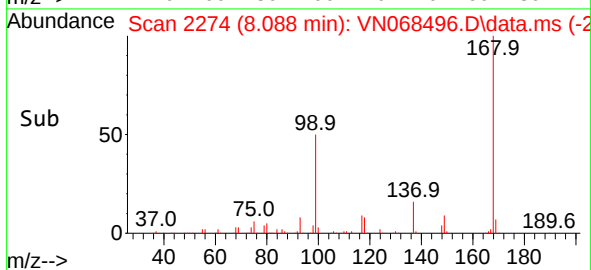
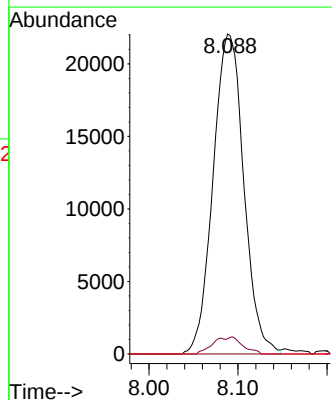
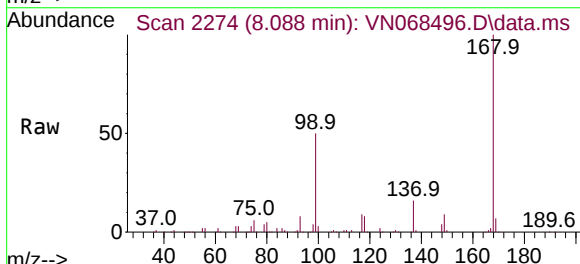
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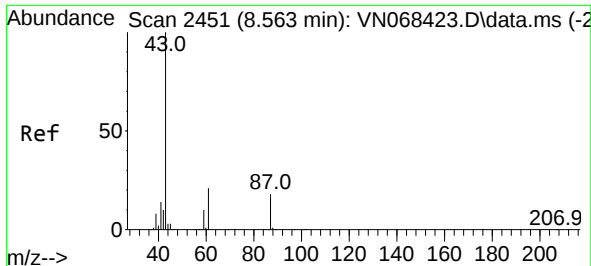
Tgt Ion: 75 Resp: 36073
Ion Ratio Lower Upper
75 100
110 9.0 20.8 62.5#
77 0.0 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.284 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

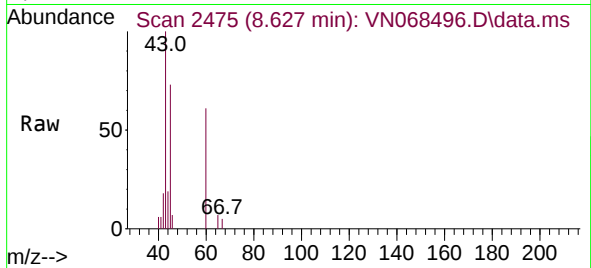
Tgt Ion: 117 Resp: 52812
Ion Ratio Lower Upper
117 100
119 4.8 76.6 114.8#
121 0.0 24.5 36.7#



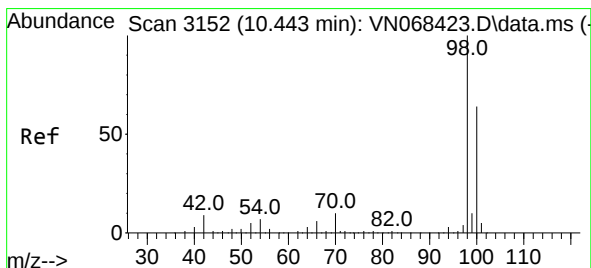
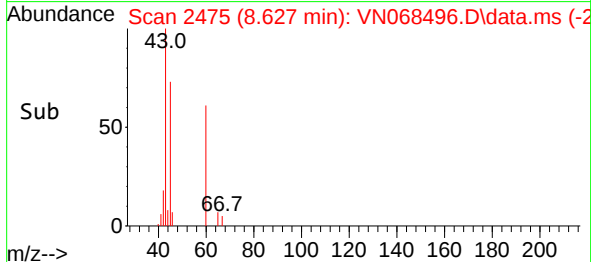
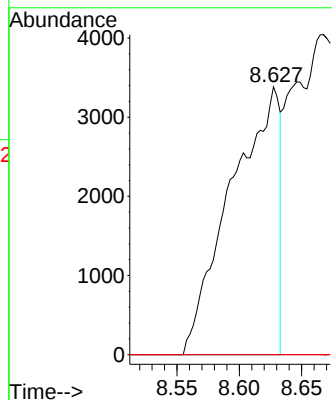


#43
Isopropyl Acetate
Concen: 0.972 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.064 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Instrument :
MSVOA_N
ClientSampled :
41094

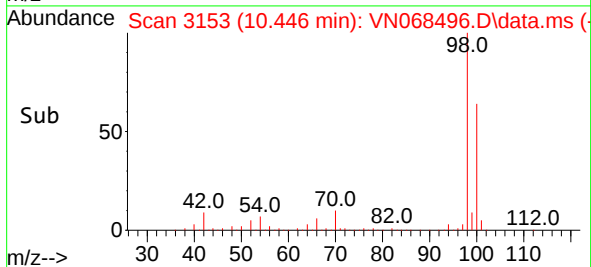
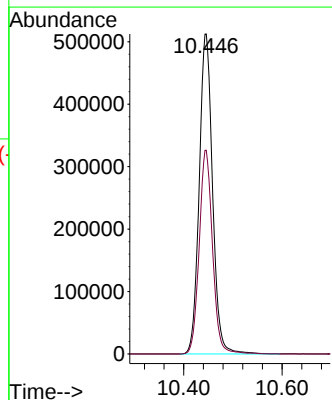
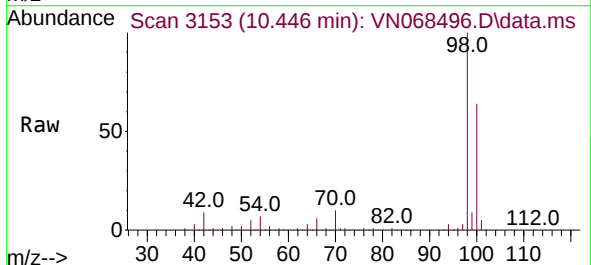


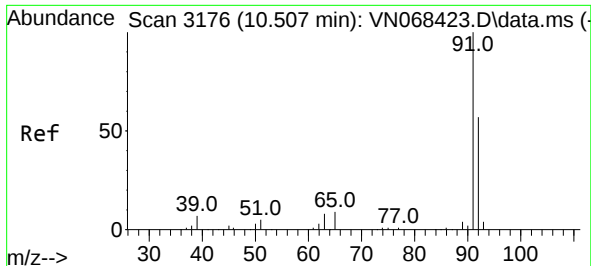
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.3	34.9#
87	0.0	13.8	20.6#



#50
Toluene-d8
Concen: 52.283 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6

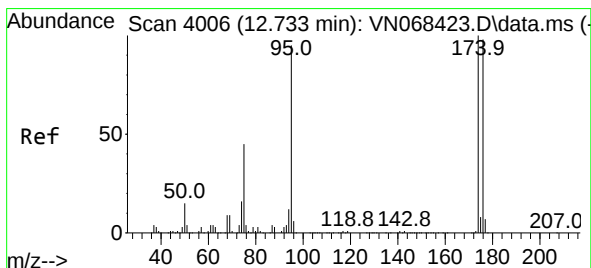
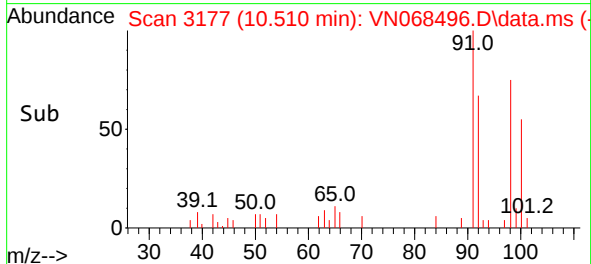
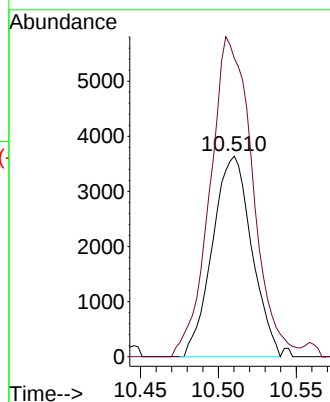
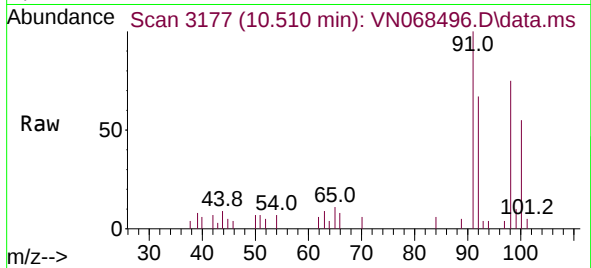




#52
Toluene
Concen: 0.463 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

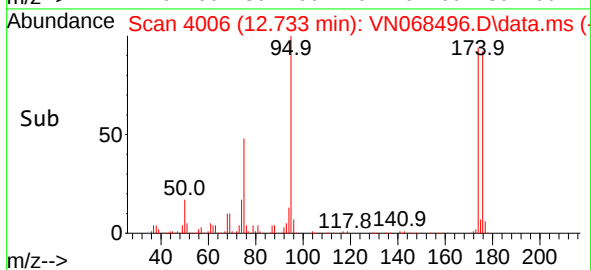
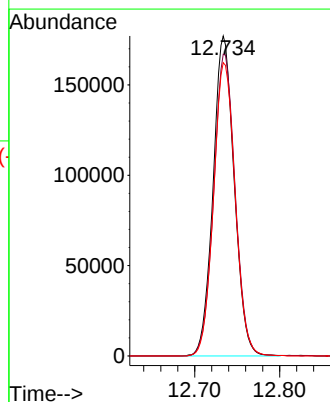
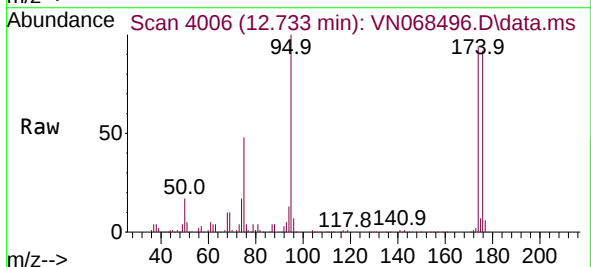
Instrument :
MSVOA_N
ClientSampled :
41094

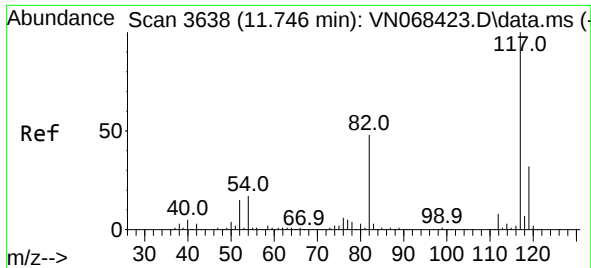
Tgt Ion: 92 Resp: 6374
Ion Ratio Lower Upper
92 100
91 173.4 139.4 209.0



#62
4-Bromofluorobenzene
Concen: 51.757 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 95 Resp: 305316
Ion Ratio Lower Upper
95 100
174 96.1 0.0 214.0
176 93.8 0.0 205.4

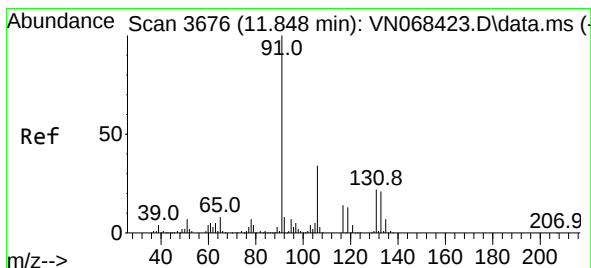
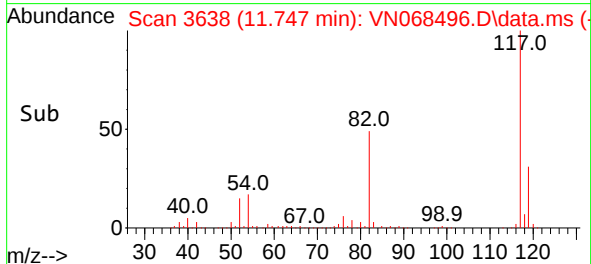
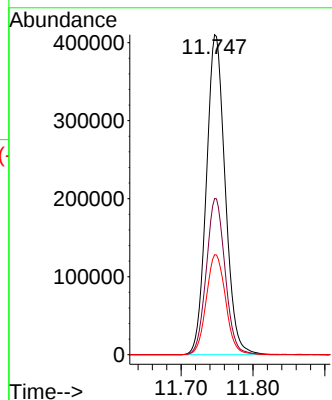
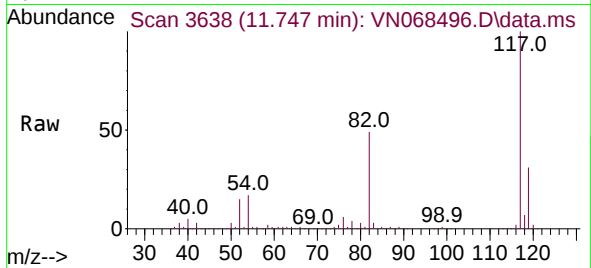




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

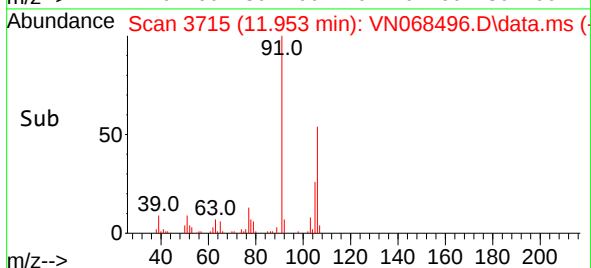
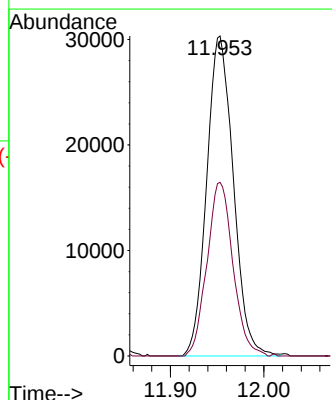
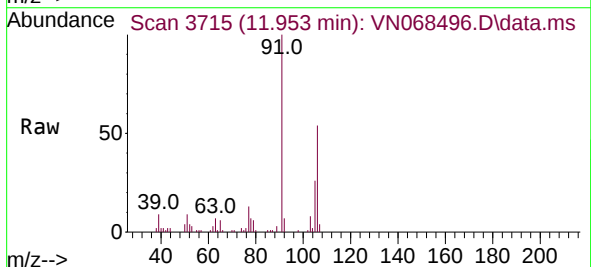
Instrument :
MSVOA_N
ClientSampled :
41094

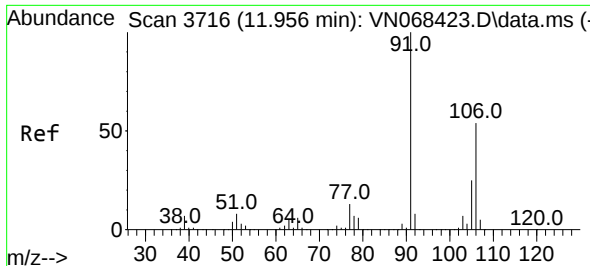
Tgt Ion:117 Resp: 746580
Ion Ratio Lower Upper
117 100
82 48.8 38.7 58.1
119 31.3 25.5 38.3



#67
Ethyl Benzene
Concen: 2.395 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.105 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 91 Resp: 60116
Ion Ratio Lower Upper
91 100
106 54.3 27.1 40.7#

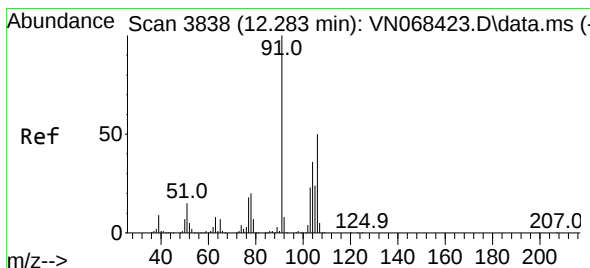
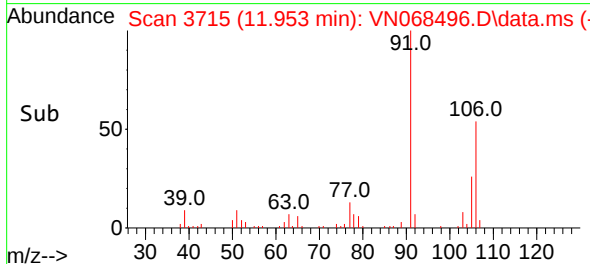
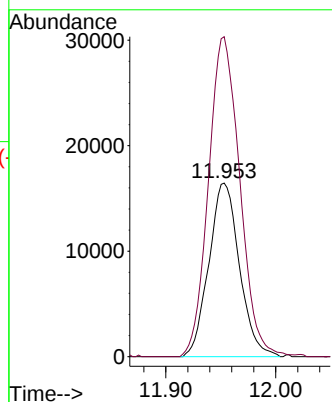
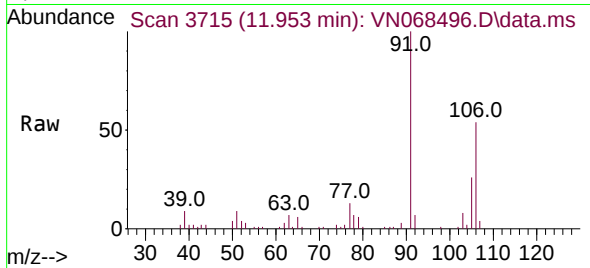




#68
m/p-Xylenes
Concen: 3.148 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

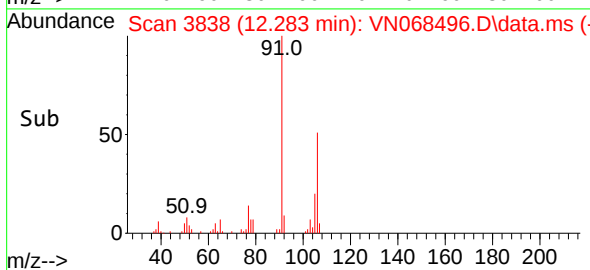
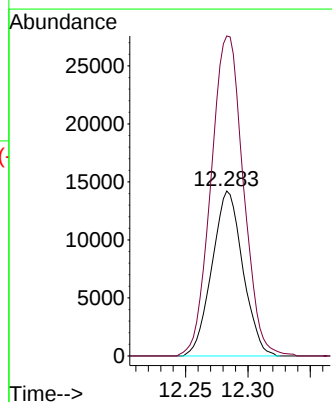
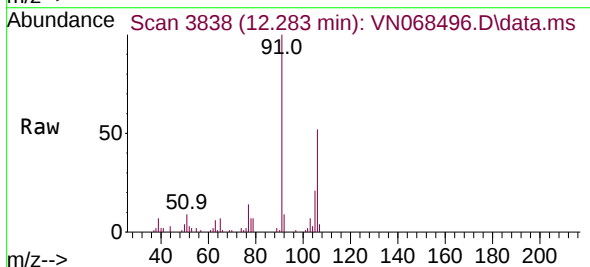
Instrument :
MSVOA_N
ClientSampled :
41094

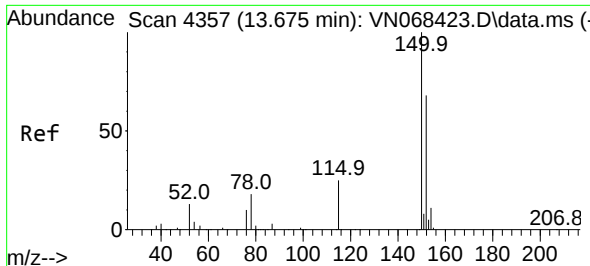
Tgt Ion:106 Resp: 31824
Ion Ratio Lower Upper
106 100
91 188.9 149.5 224.3



#69
o-Xylene
Concen: 2.486 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

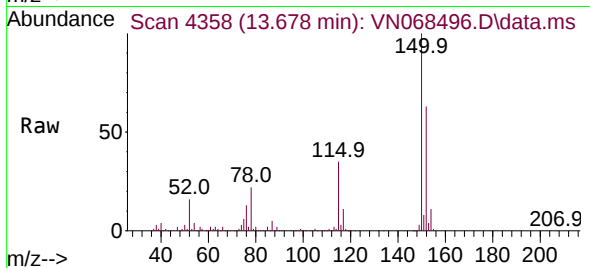
Tgt Ion:106 Resp: 24485
Ion Ratio Lower Upper
106 100
91 203.9 99.3 297.8



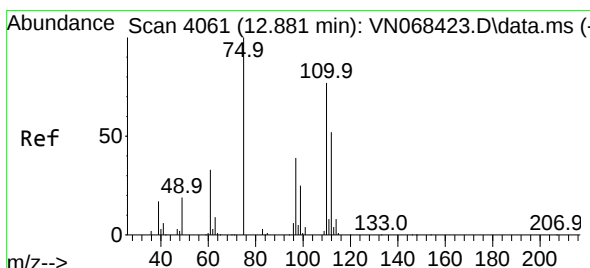
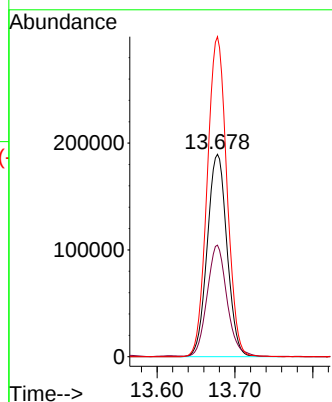
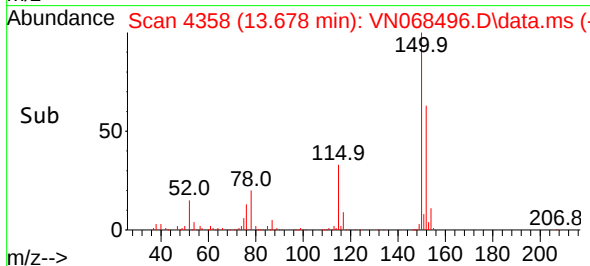


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

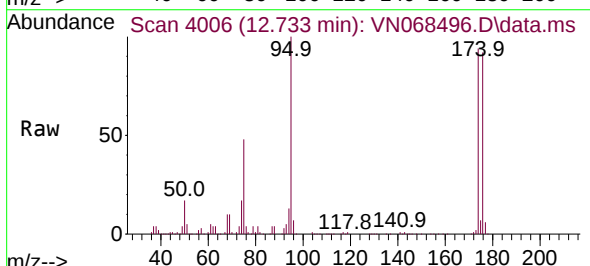
Instrument :
MSVOA_N
ClientSampled :
41094



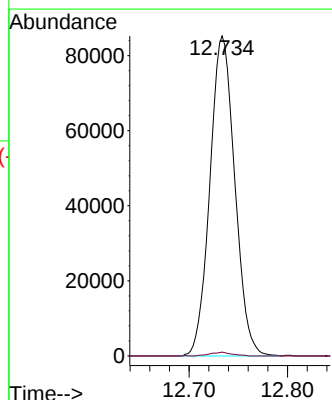
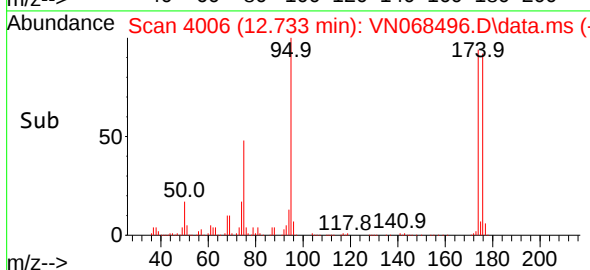
Tgt Ion:152 Resp: 334393
Ion Ratio Lower Upper
152 100
115 55.4 25.6 76.6
150 157.1 0.0 346.8

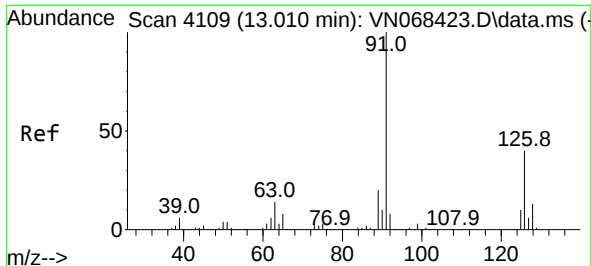


#76
1,2,3-Trichloropropane
Concen: 28.454 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22



Tgt Ion: 75 Resp: 150194
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

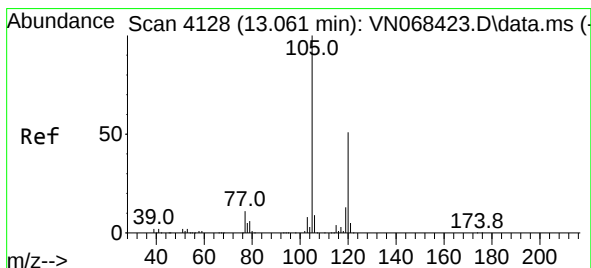
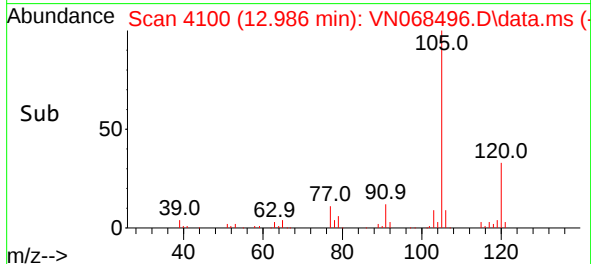
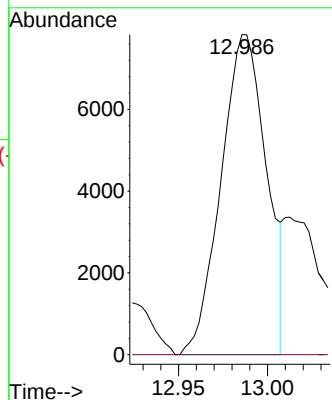
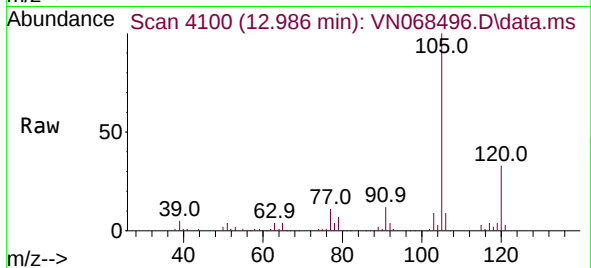




#79
2-Chlorotoluene
Concen: 0.898 ug/l
RT: 12.986 min Scan# 4100
Delta R.T. -0.024 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

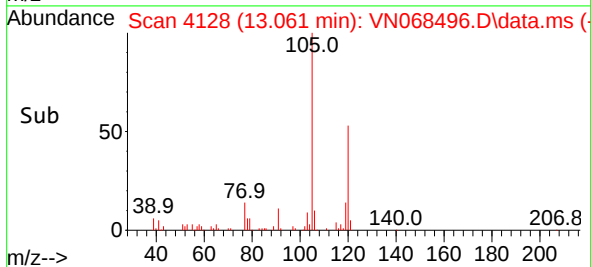
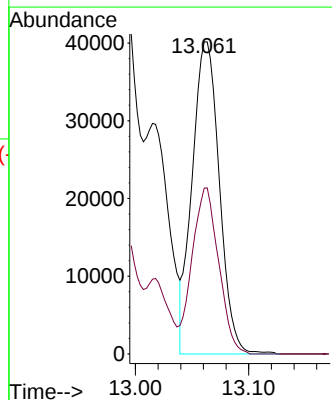
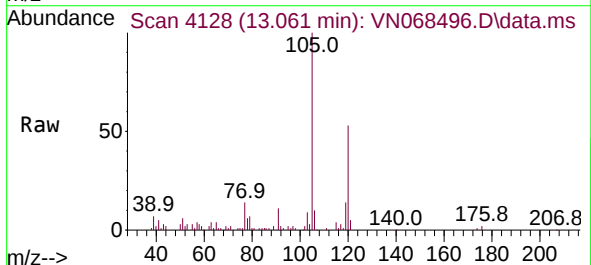
Instrument :
MSVOA_N
ClientSampled :
41094

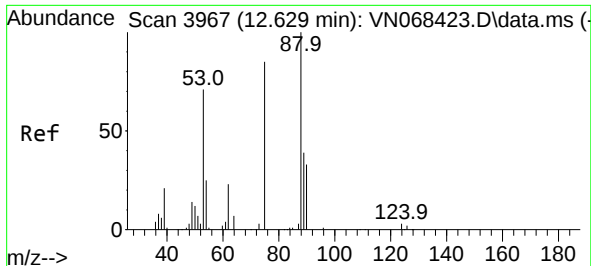
Tgt Ion: 91 Resp: 13912
Ion Ratio Lower Upper
91 100
126 0.0 20.1 60.3#



#80
1,3,5-Trimethylbenzene
Concen: 3.465 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 105 Resp: 66963
Ion Ratio Lower Upper
105 100
120 52.6 25.7 77.1

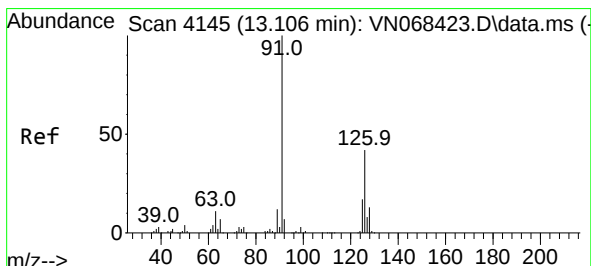
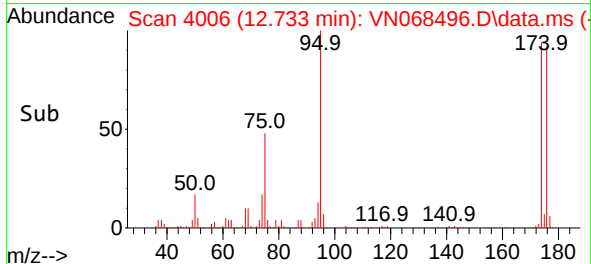
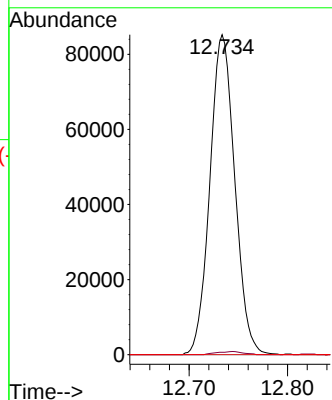
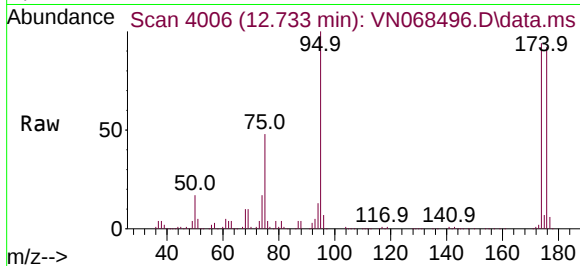




#81
trans-1,4-Dichloro-2-butene
Concen: 99.541 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

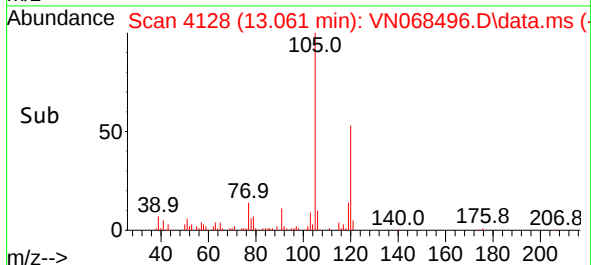
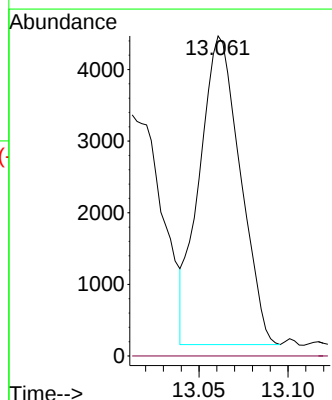
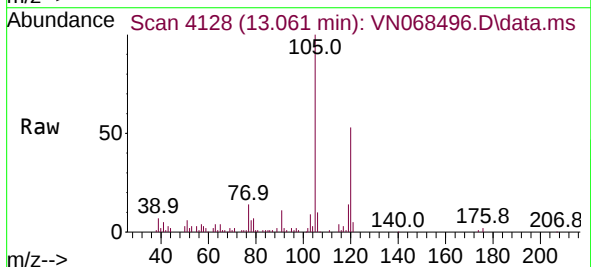
Instrument :
MSVOA_N
ClientSampled :
41094

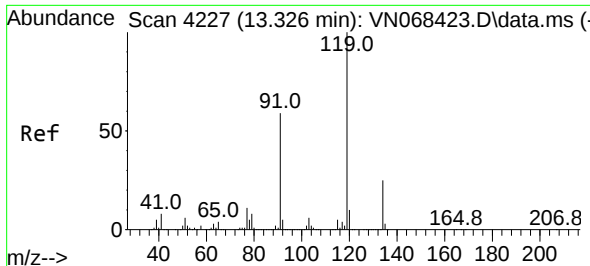
Tgt Ion: 75 Resp: 150194
Ion Ratio Lower Upper
75 100
53 1.1 70.6 105.8#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 0.460 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.046 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 91 Resp: 6872
Ion Ratio Lower Upper
91 100
126 0.0 19.8 59.3#

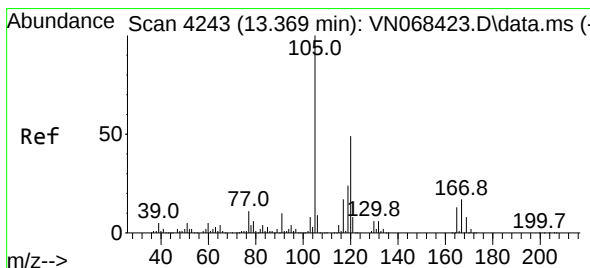
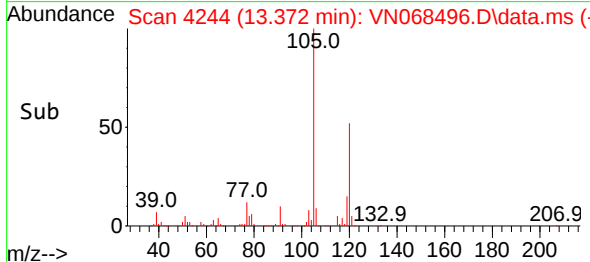
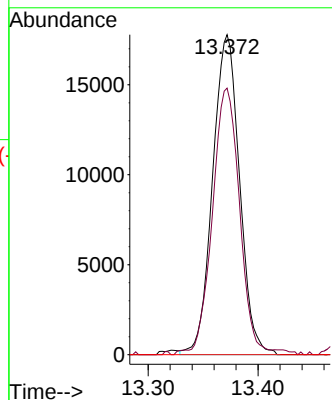
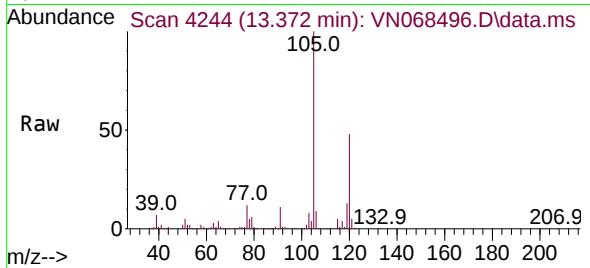




#83
tert-Butylbenzene
Concen: 1.714 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.046 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

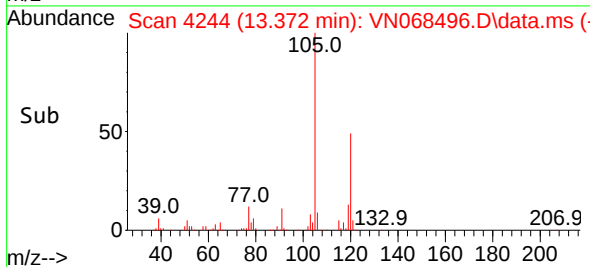
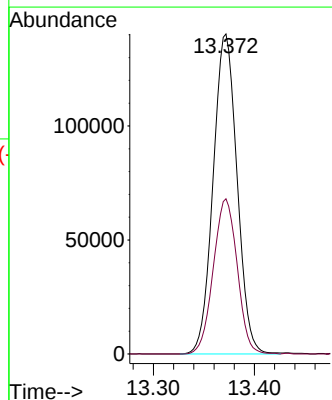
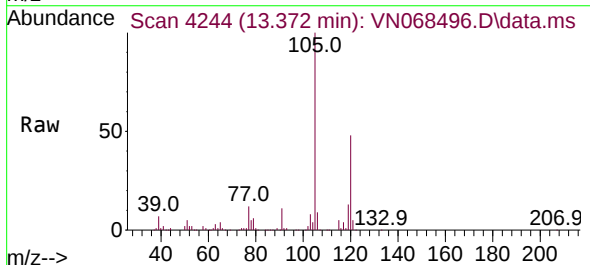
Instrument :
MSVOA_N
ClientSampled :
41094

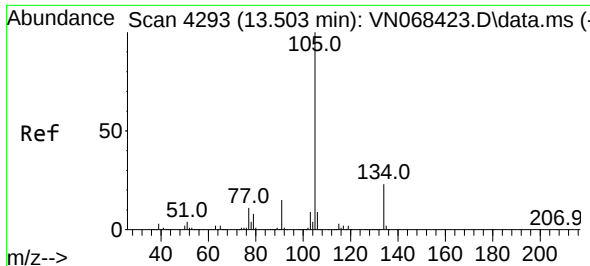
Tgt Ion:119 Resp: 30239
Ion Ratio Lower Upper
119 100
91 84.1 29.1 87.4
134 0.0 13.7 41.0#



#84
1,2,4-Trimethylbenzene
Concen: 12.436 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion:105 Resp: 230474
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.9

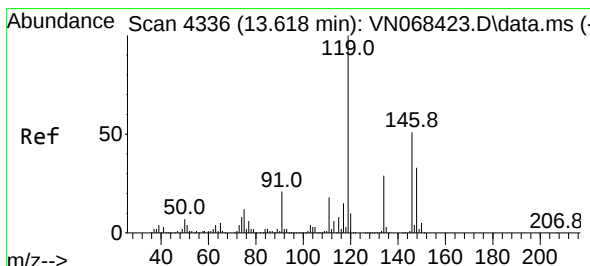
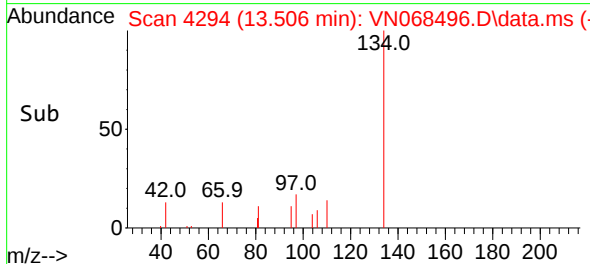
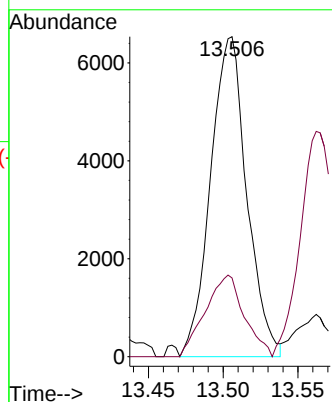
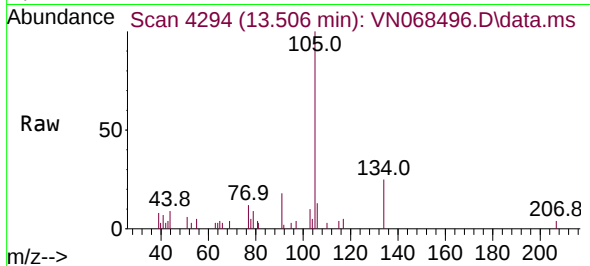




#85
 sec-Butylbenzene
 Concen: 0.474 ug/l
 RT: 13.506 min Scan# 4294
 Delta R.T. 0.003 min
 Lab File: VN068496.D
 Acq: 15 Sep 2021 20:22

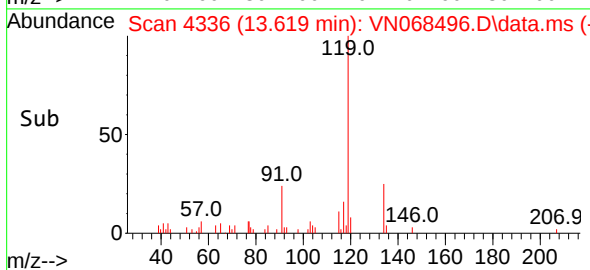
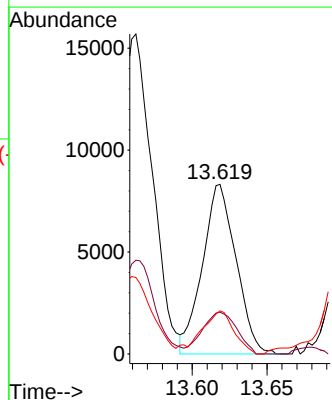
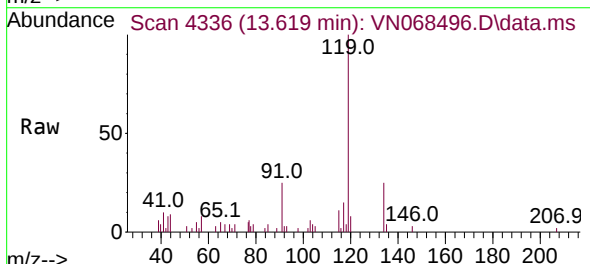
Instrument :
 MSVOA_N
 ClientSampled :
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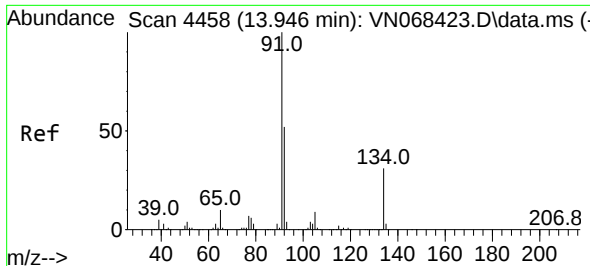
Tgt Ion:105 Resp: 11029
 Ion Ratio Lower Upper
 105 100
 134 27.3 11.4 34.1



#86
 p-Isopropyltoluene
 Concen: 0.663 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN068496.D
 Acq: 15 Sep 2021 20:22

Tgt Ion:119 Resp: 13017
 Ion Ratio Lower Upper
 119 100
 134 25.3 14.1 42.4
 91 24.7 10.6 31.8

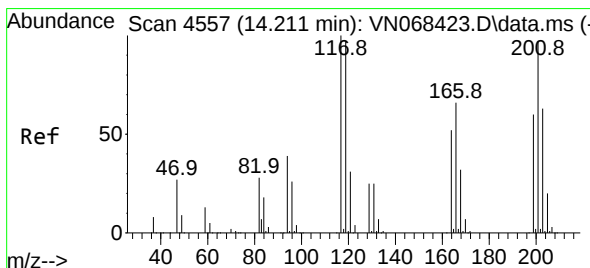
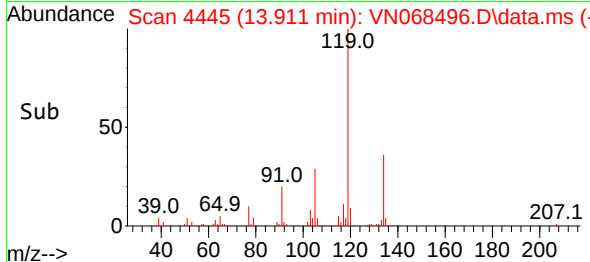
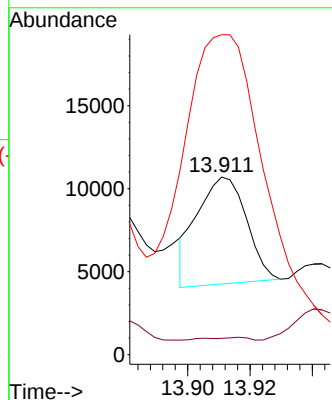
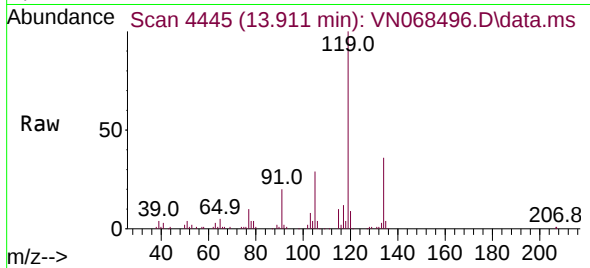




#89
n-Butylbenzene
Concen: 0.498 ug/l
RT: 13.911 min Scan# 4445
Delta R.T. -0.035 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

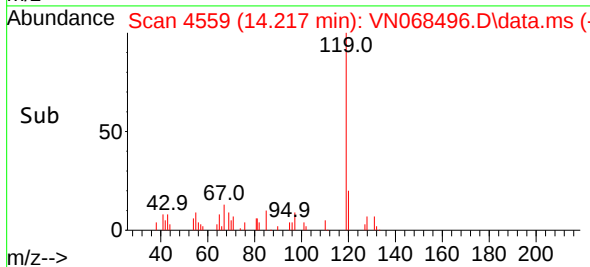
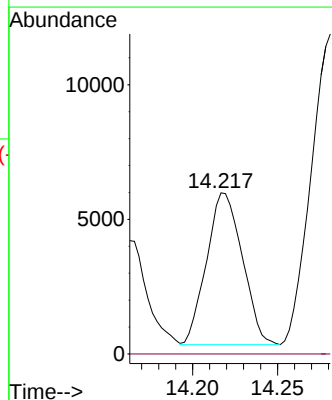
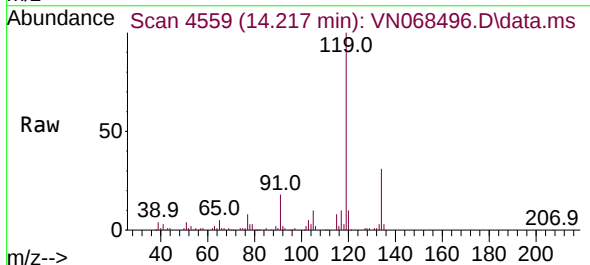
Instrument :
MSVOA_N
ClientSampled :
41094

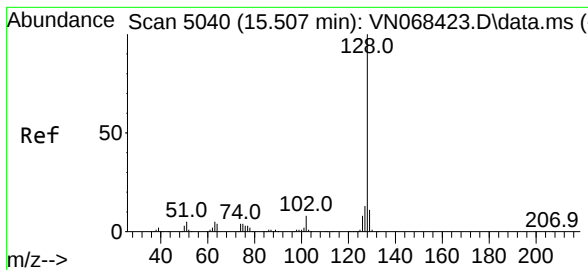
Tgt Ion: 91 Resp: 7130
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 523.7 15.4 46.2#



#90
Hexachloroethane
Concen: 2.398 ug/l
RT: 14.217 min Scan# 4559
Delta R.T. 0.005 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Tgt Ion: 117 Resp: 8264
Ion Ratio Lower Upper
117 100
201 0.0 49.3 147.9#





#95
Naphthalene
Concen: 4.449 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068496.D
Acq: 15 Sep 2021 20:22

Instrument :
MSVOA_N
ClientSampleId :
41094

Tgt Ion:	128	Resp:	13557
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	0.0	8.6	13.0#

