

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091521\
 Data File : VN068491.D
 Acq On : 15 Sep 2021 18:15
 Operator : JC/MD
 Sample : M3759-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31206

Quant Time: Sep 16 03:17:48 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)

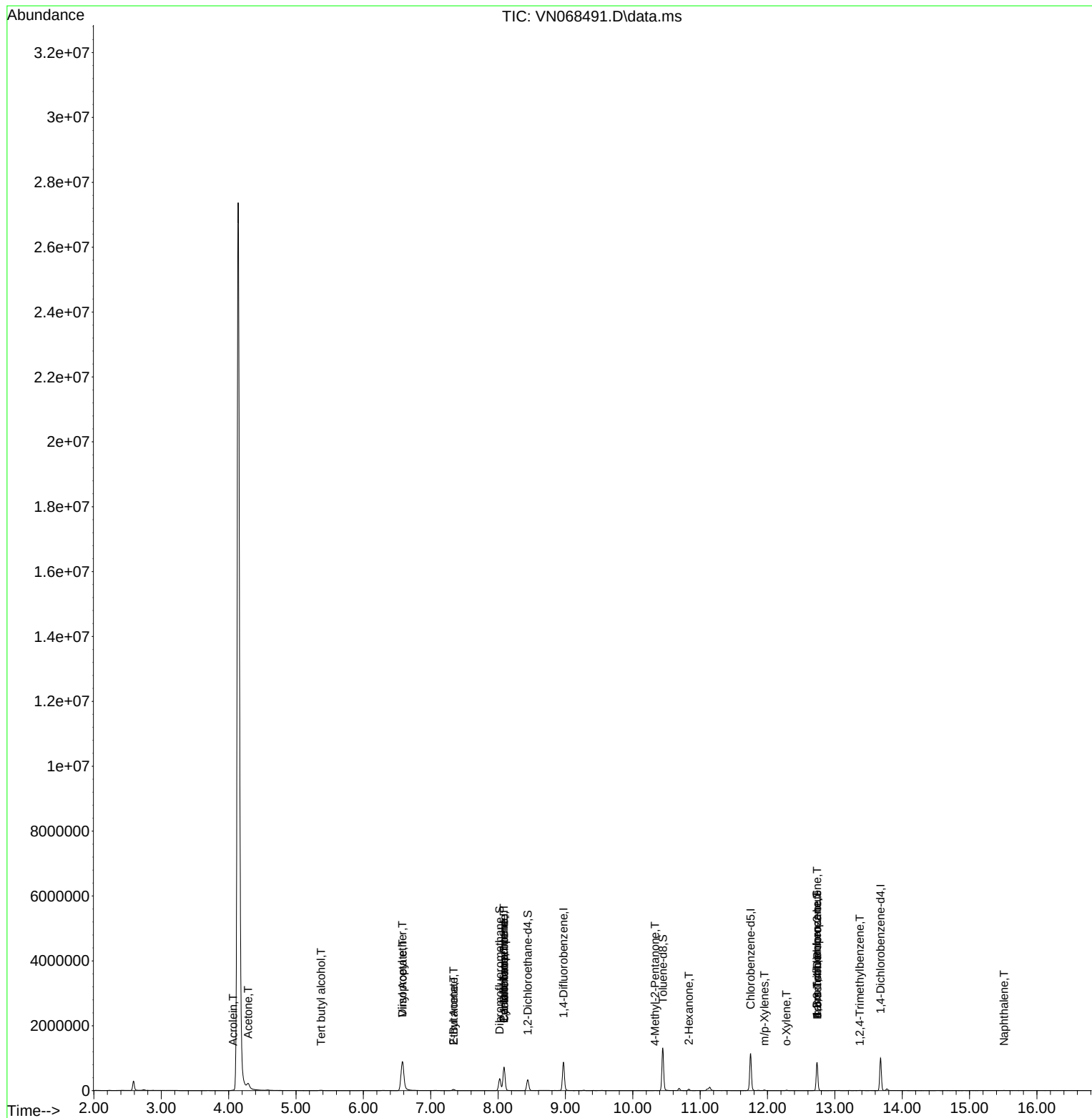
Internal Standards						
1) Pentafluorobenzene	8.088	168	629956	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	866410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	748767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	312893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	280600	48.559	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.120%		
35) Dibromofluoromethane	8.024	113	267164	51.126	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.260%		
50) Toluene-d8	10.446	98	979075	51.580	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.160%		
62) 4-Bromofluorobenzene	12.733	95	291038	47.916	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.371	59	20837	13.810	ug/l	98
13) Acrolein	4.068	56	18428	42.946	ug/l #	14
16) Acetone	4.291	43	261085	136.534	ug/l #	31
18) Methyl Acetate	4.854	43	378	Below Cal	#	45
20) Methylene Chloride	5.109	84	203	Below Cal	#	34
22) Diisopropyl ether	6.578	45	72115	5.298	ug/l #	1
23) Vinyl Acetate	6.581	43	186290	18.311	ug/l #	67
25) 2-Butanone	7.340	43	54989	19.583	ug/l	96
31) Cyclohexane	8.091	56	9366	1.070	ug/l #	32
36) 1,1-Dichloropropene	8.088	75	35692	4.941	ug/l #	47
37) Ethyl Acetate	7.340	43	54989	10.008	ug/l #	66
38) Carbon Tetrachloride	8.088	117	55052	6.362	ug/l #	17
51) 4-Methyl-2-Pentanone	10.330	43	3325	0.601	ug/l #	79
59) 2-Hexanone	10.832	43	3987	1.076	ug/l	99
68) m/p-Xylenes	11.956	106	7096	0.700	ug/l	93
69) o-Xylene	12.280	106	3203	0.324	ug/l	91
71) Bromoform	12.739	173	3778	0.815	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	143909	29.136	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	143909	101.929	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.372	105	5349	0.308	ug/l	85
95) Naphthalene	15.509	128	5767	3.929	ug/l #	88

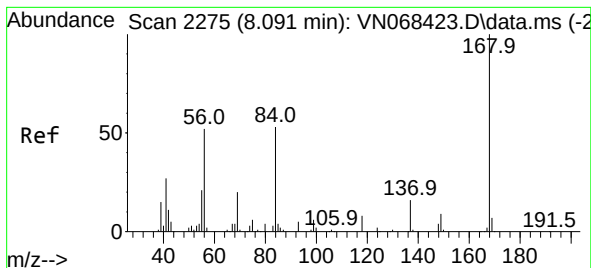
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068491.D

Acq: 15 Sep 2021 18:15

Tgt Ion:168 Resp: 629956

Ion Ratio Lower Upper

168 100

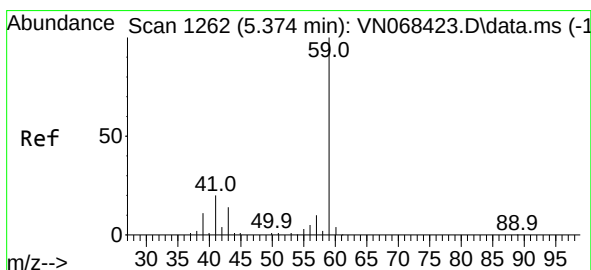
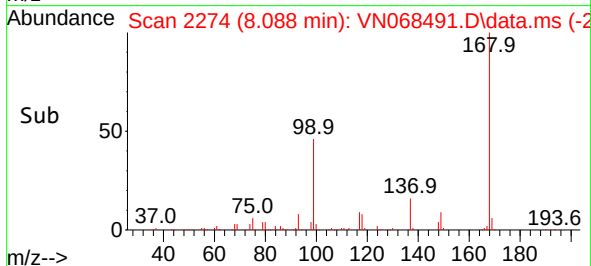
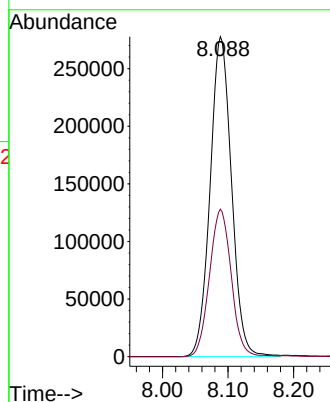
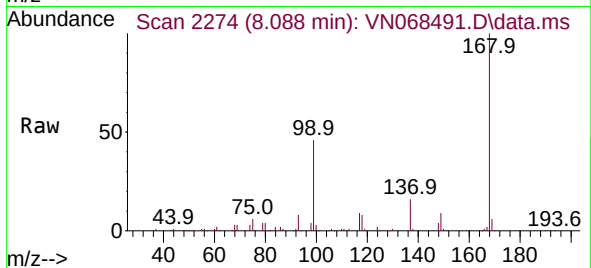
99 46.1 38.2 57.4

Instrument :

MSVOA_N

ClientSampleId :

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#11

Tert butyl alcohol

Concen: 13.810 ug/l

RT: 5.371 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VN068491.D

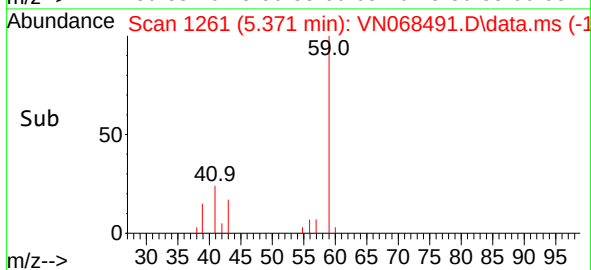
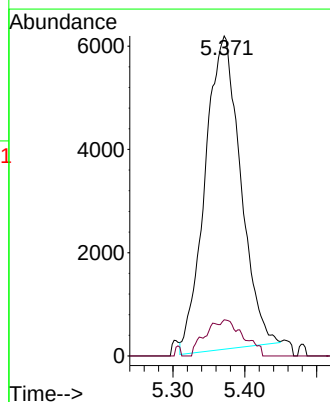
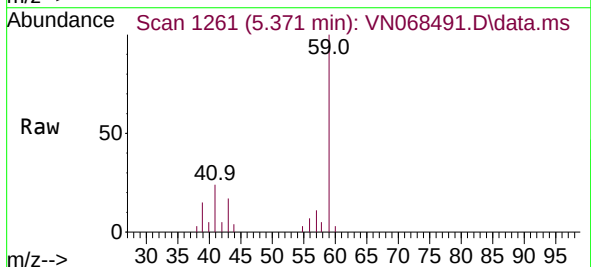
Acq: 15 Sep 2021 18:15

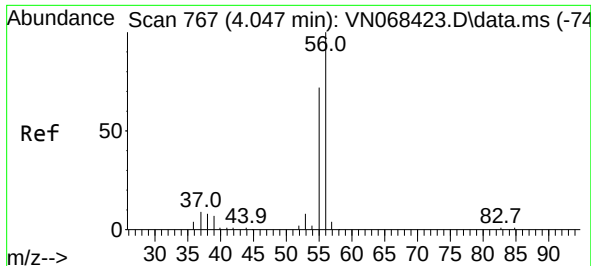
Tgt Ion: 59 Resp: 20837

Ion Ratio Lower Upper

59 100

57 4.7 4.3 6.5

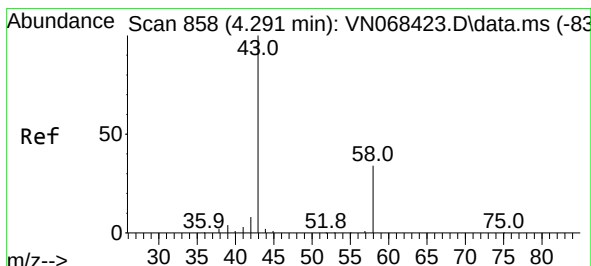
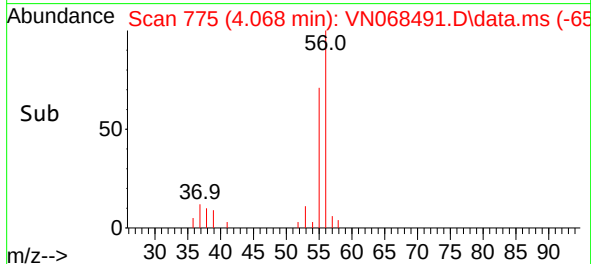
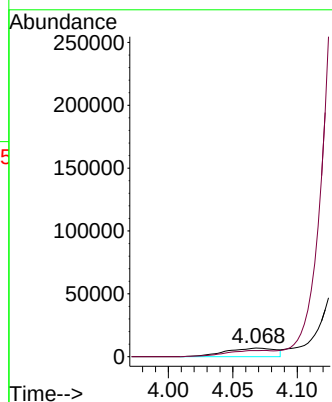
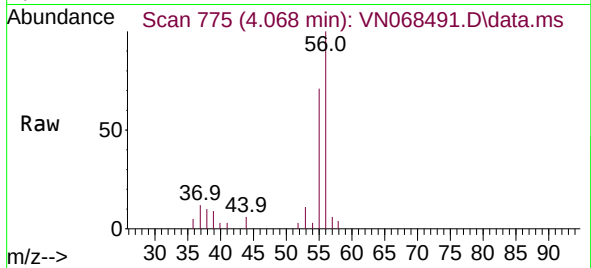




#13
Acrolein
Concen: 42.946 ug/l
RT: 4.068 min Scan# 775
Delta R.T. 0.021 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

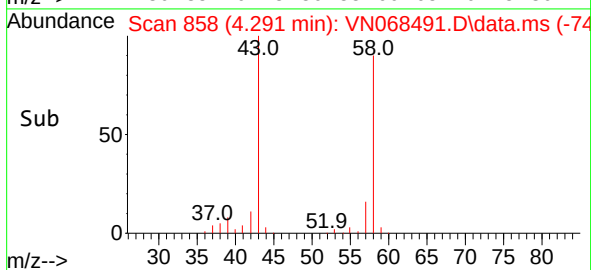
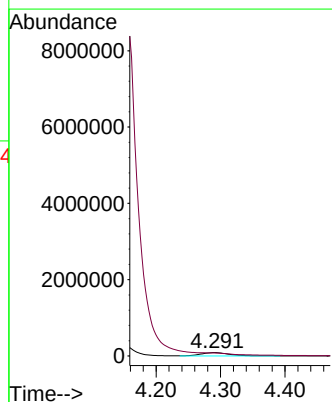
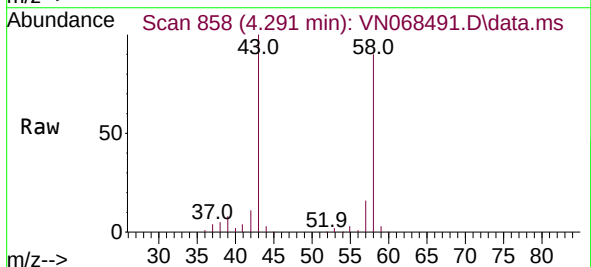
Instrument :
MSVOA_N
ClientSampled :
31206

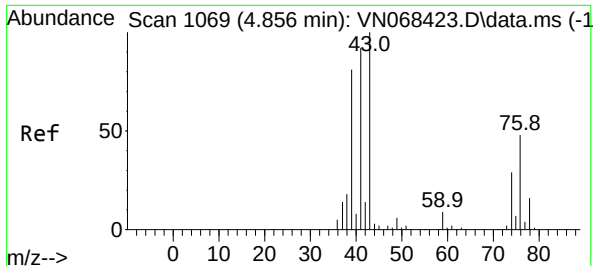
Tgt Ion: 56 Resp: 18428
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 136.534 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 43 Resp: 261085
Ion Ratio Lower Upper
43 100
58 73.0 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.854 min Scan# 1068

Delta R.T. -0.002 min

Lab File: VN068491.D

Acq: 15 Sep 2021 18:15

Tgt Ion: 43 Resp: 378

Ion Ratio Lower Upper

43 100

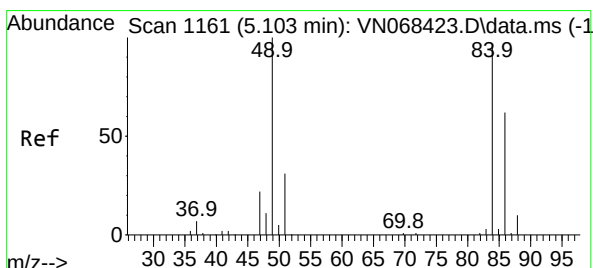
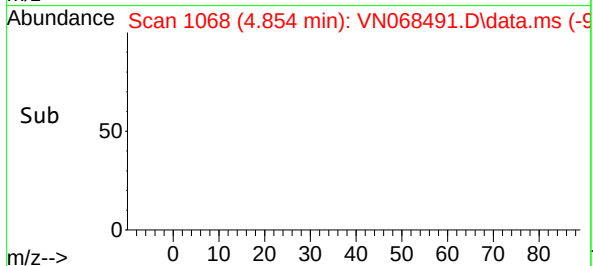
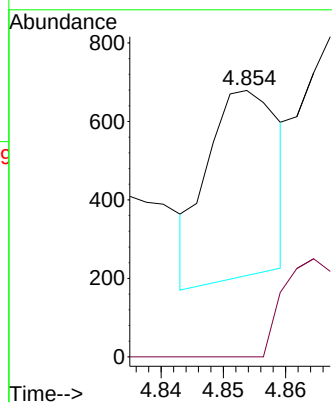
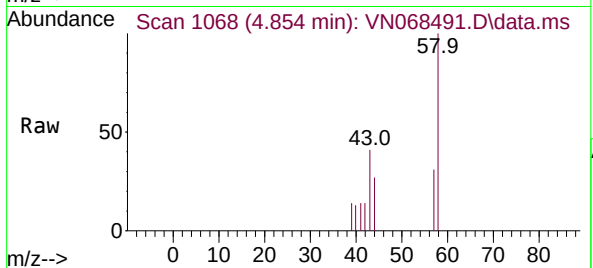
74 0.0 23.5 35.3#

Instrument :

MSVOA_N

ClientSampled :

31206



#20

Methylene Chloride

Concen: Below Cal

RT: 5.109 min Scan# 1163

Delta R.T. 0.006 min

Lab File: VN068491.D

Acq: 15 Sep 2021 18:15

Tgt Ion: 84 Resp: 203

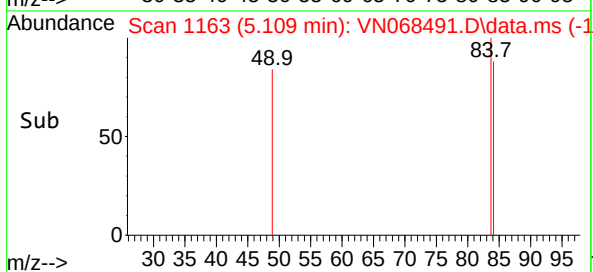
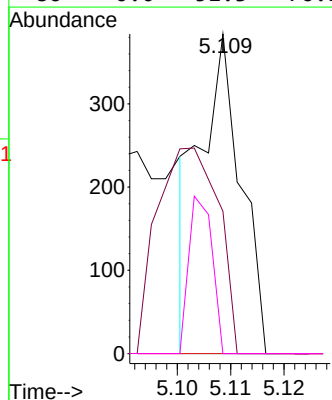
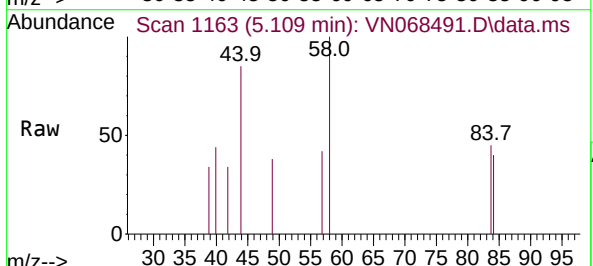
Ion Ratio Lower Upper

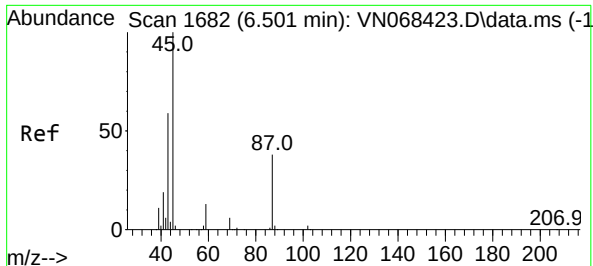
84 100

49 44.5 83.0 124.6#

51 0.0 25.4 38.0#

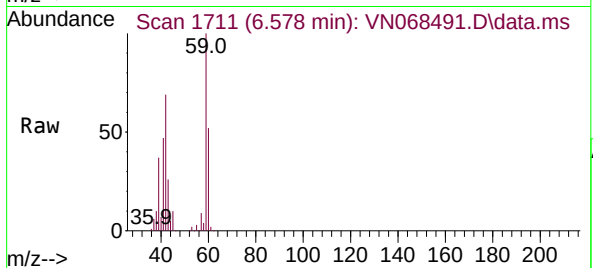
86 0.0 51.3 76.9#



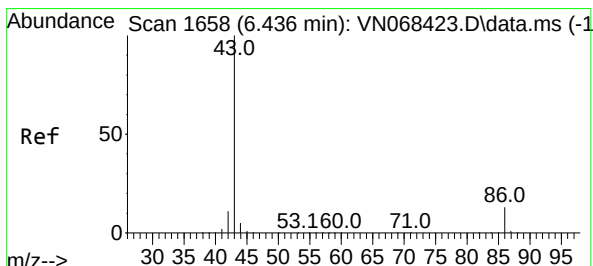
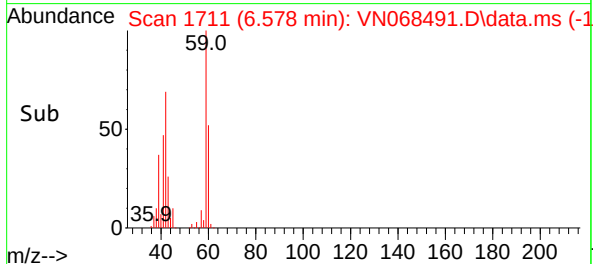
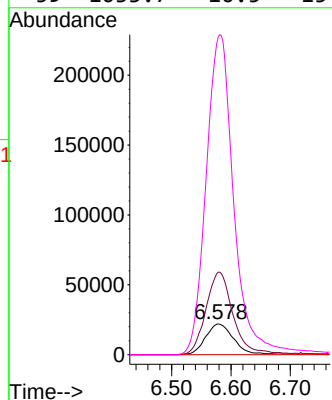


#22
Diisopropyl ether
Concen: 5.298 ug/l
RT: 6.578 min Scan# 1711
Delta R.T. 0.078 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :
31206

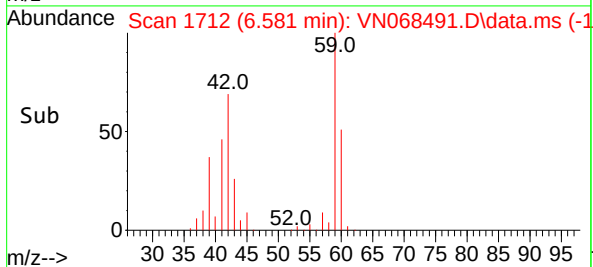
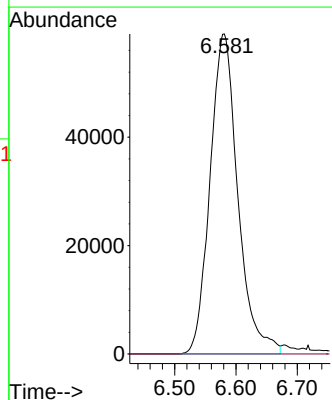
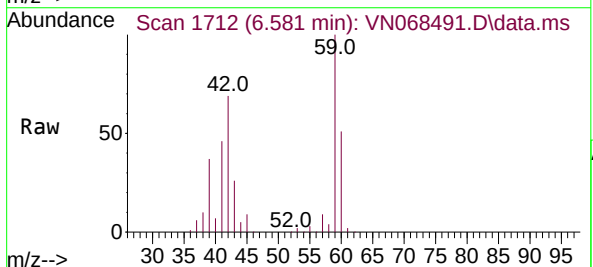


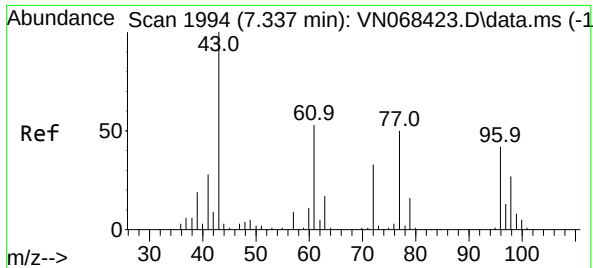
Tgt Ion	Ratio	Lower	Upper
45	100		
43	268.1	47.1	70.7#
87	0.0	30.9	46.3#
59	1033.7	10.5	15.7#



#23
Vinyl Acetate
Concen: 18.311 ug/l
RT: 6.581 min Scan# 1712
Delta R.T. 0.145 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.7	16.1#

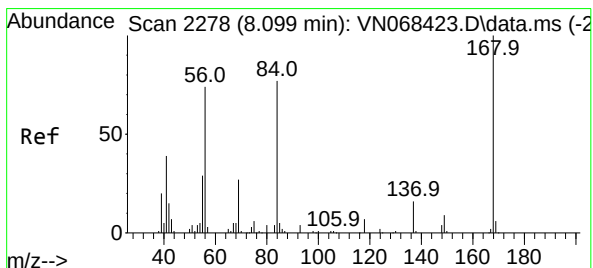
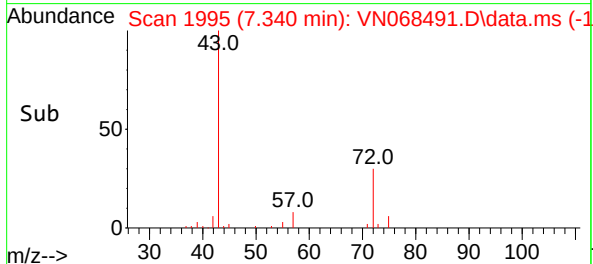
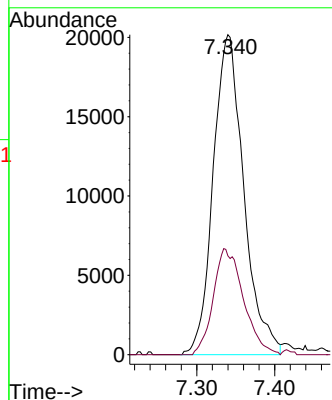
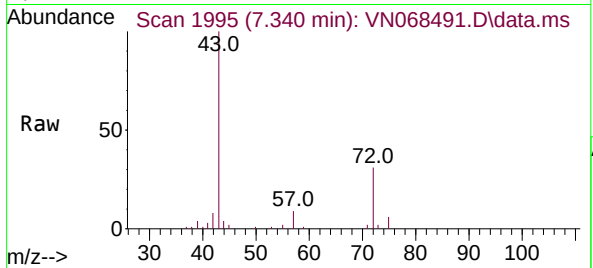




#25
2-Butanone
Concen: 19.583 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

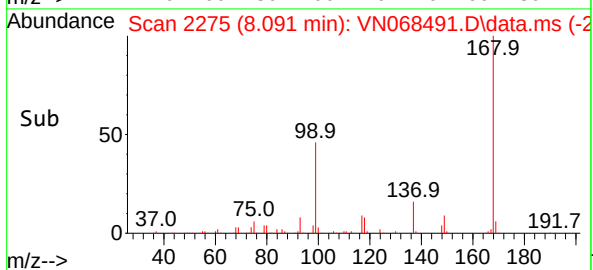
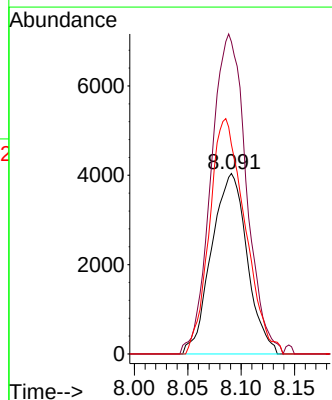
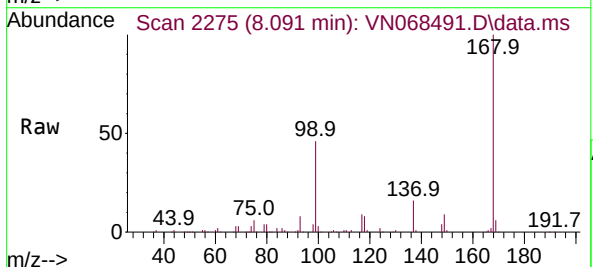
Instrument :
MSVOA_N
ClientSampled :
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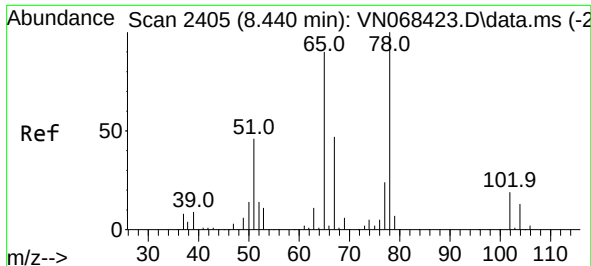
Tgt Ion: 43 Resp: 54989
Ion Ratio Lower Upper
43 100
72 30.9 26.7 40.1



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 56 Resp: 9366
Ion Ratio Lower Upper
56 100
69 172.9 29.4 44.0#
84 116.0 83.6 125.4



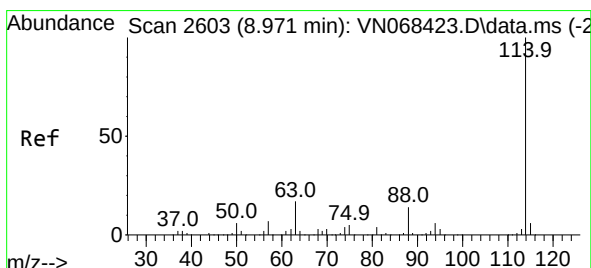
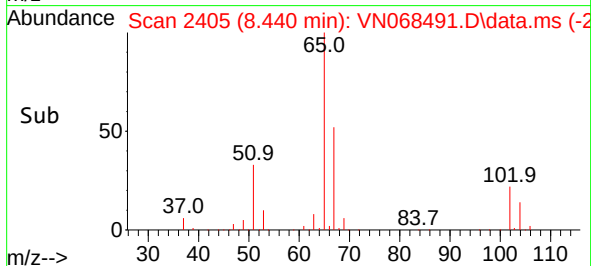
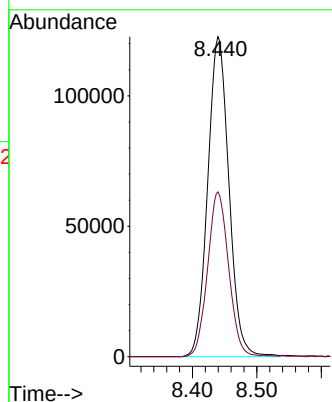
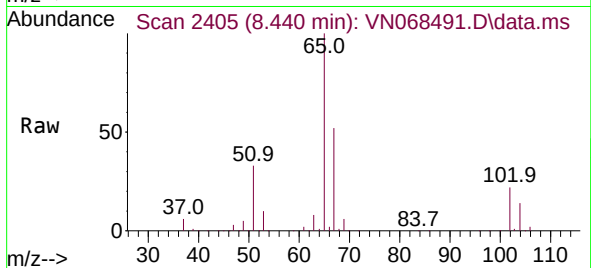


#33

1,2-Dichloroethane-d4
Concen: 48.559 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

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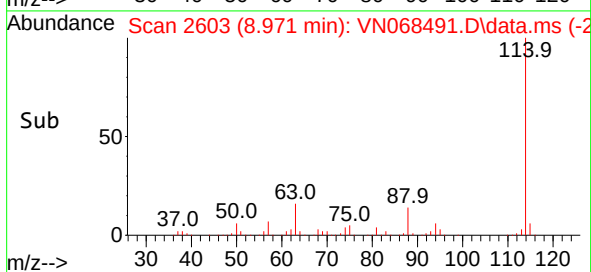
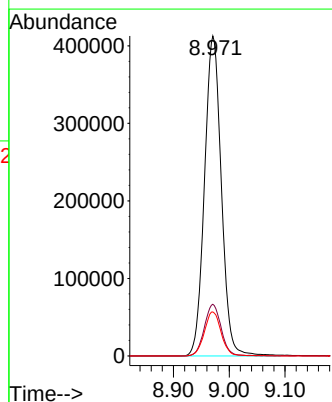
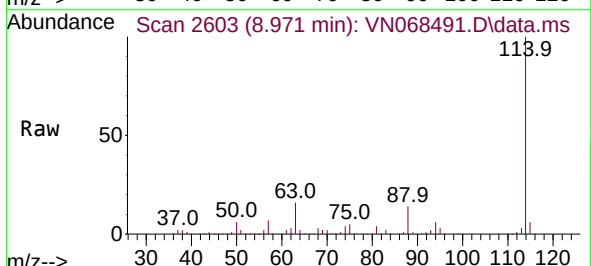
Tgt Ion: 65 Resp: 280600
Ion Ratio Lower Upper
65 100
67 51.0 0.0 104.0

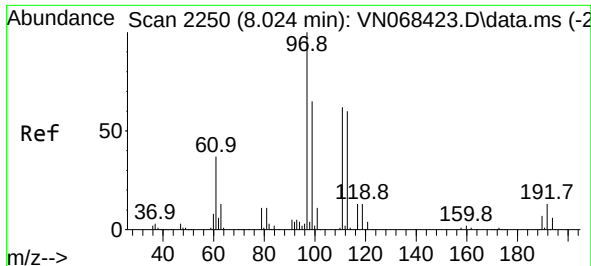


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 114 Resp: 866410
Ion Ratio Lower Upper
114 100
63 16.1 0.0 33.2
88 13.7 0.0 28.4

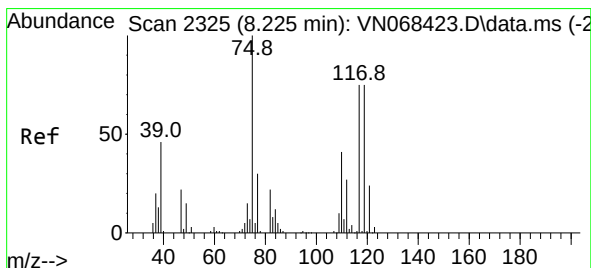
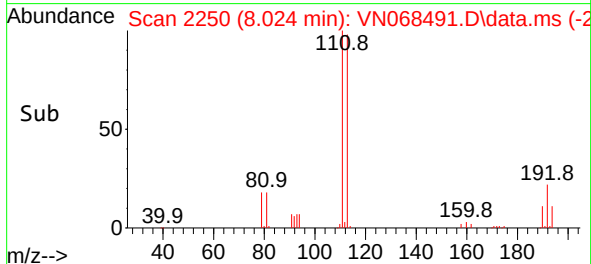
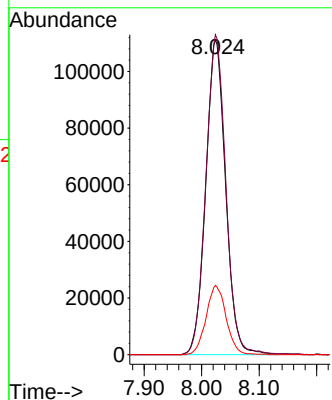
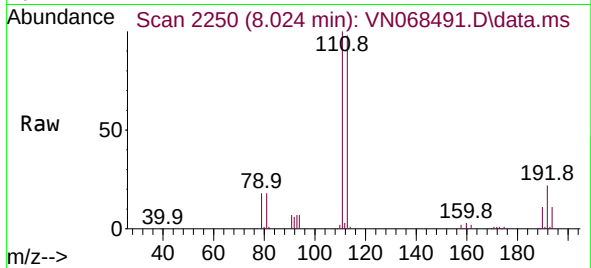




#35
Dibromofluoromethane
Concen: 51.126 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

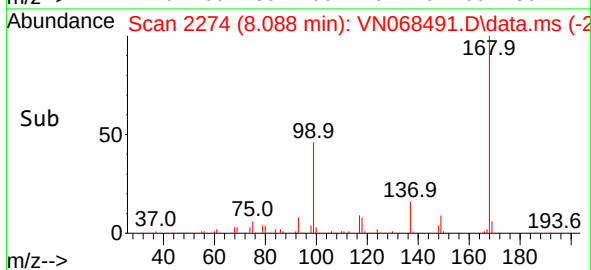
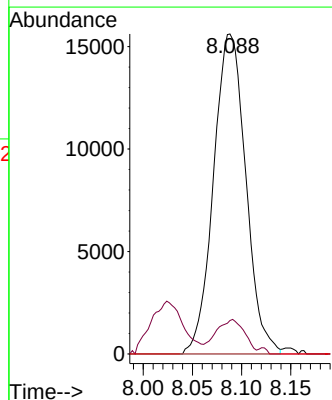
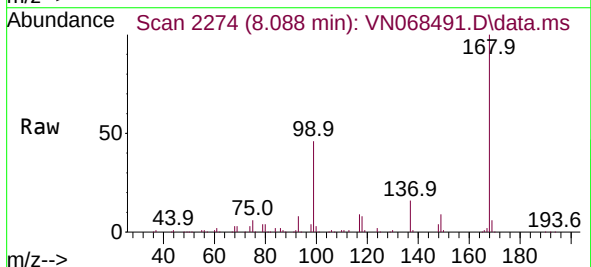
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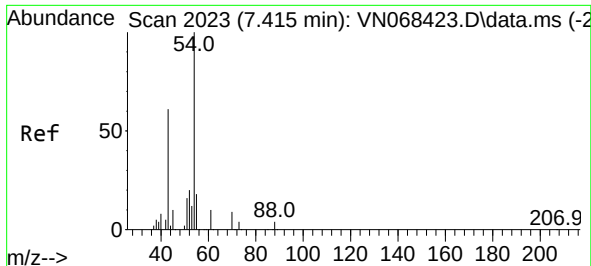
Tgt Ion:113 Resp: 267164
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 22.2 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

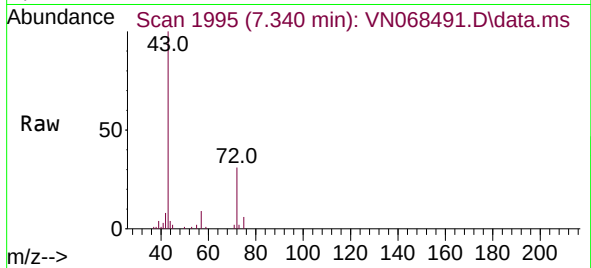
Tgt Ion: 75 Resp: 35692
Ion Ratio Lower Upper
75 100
110 9.6 20.8 62.5#
77 0.0 25.0 37.6#



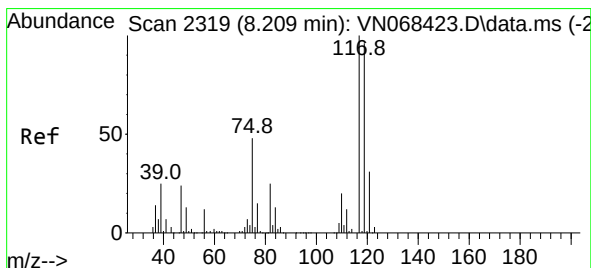
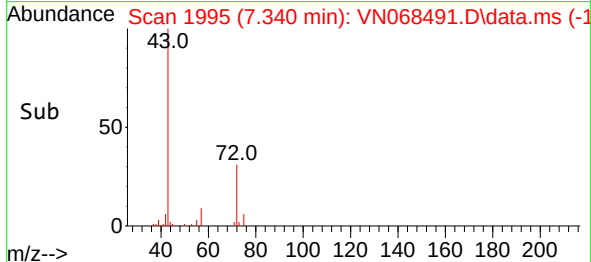
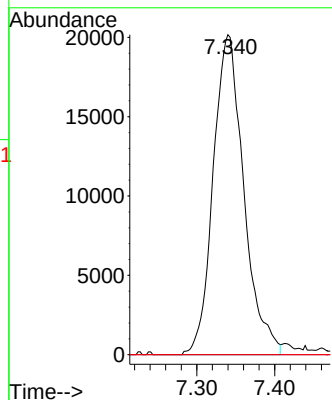


#37
Ethyl Acetate
Concen: 10.008 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. -0.075 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Instrument :
MSVOA_N
ClientSampled :
31206

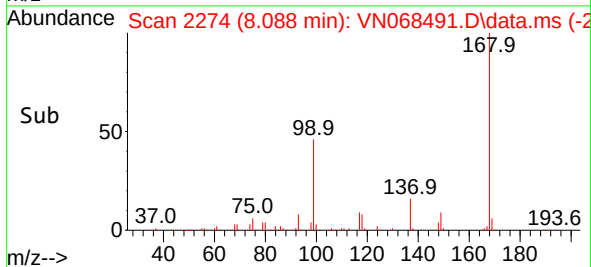
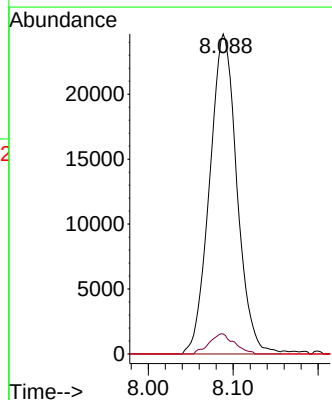
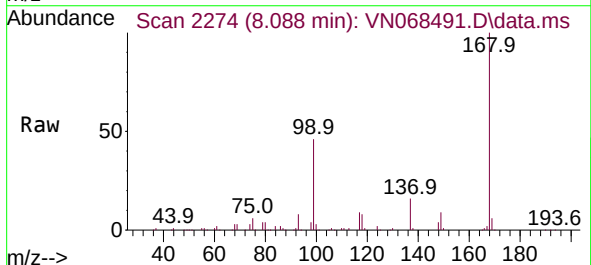


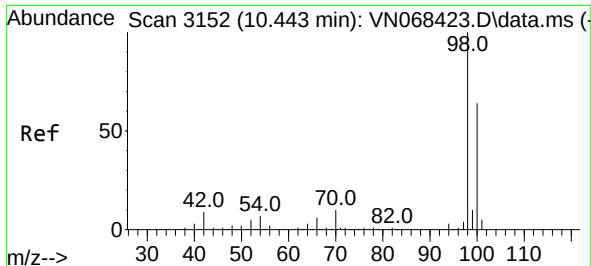
Tgt Ion: 43 Resp: 54989
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 6.362 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 117 Resp: 55052
Ion Ratio Lower Upper
117 100
119 6.3 76.6 114.8#
121 0.0 24.5 36.7#

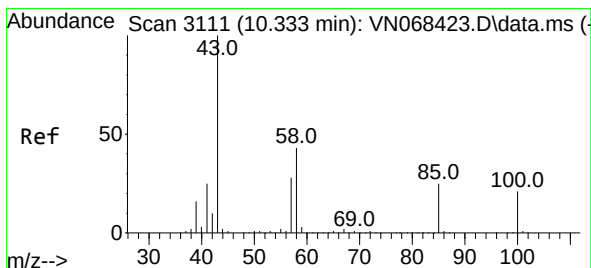
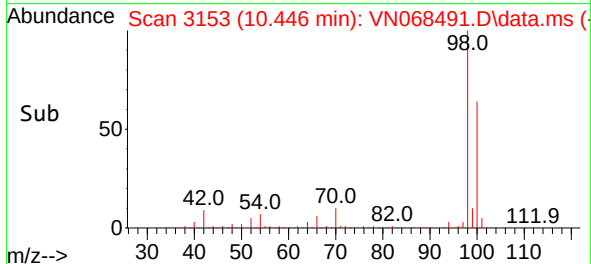
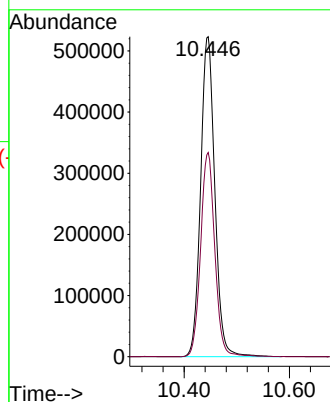
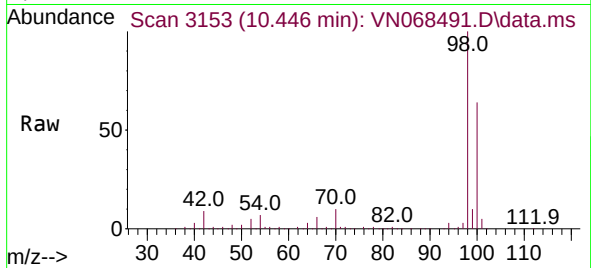




#50
Toluene-d8
Concen: 51.580 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

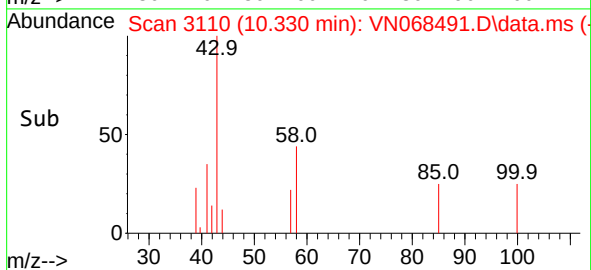
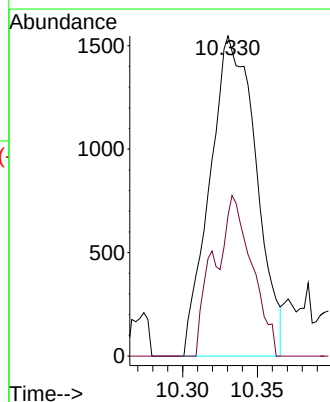
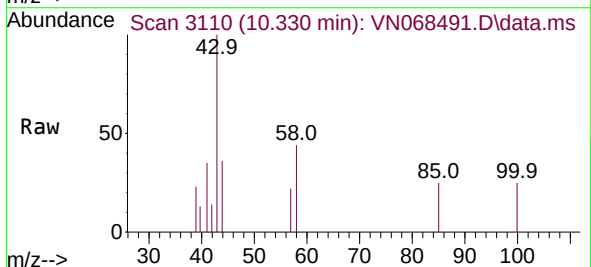
Instrument :
MSVOA_N
ClientSampleId :
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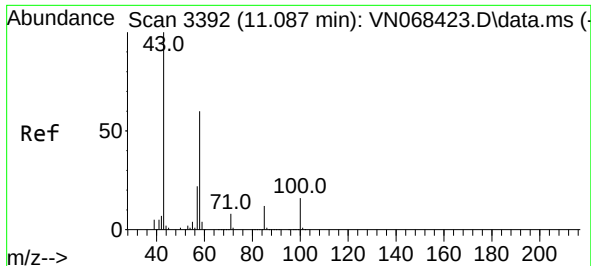
Tgt Ion: 98 Resp: 979075
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 43 Resp: 3325
Ion Ratio Lower Upper
43 100
58 29.4 34.3 51.5#

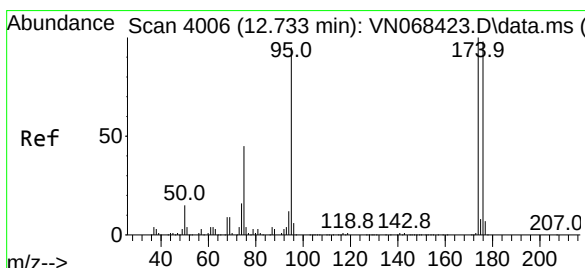
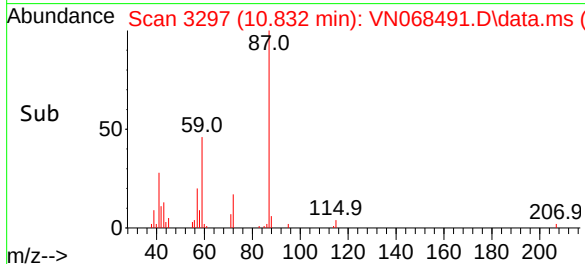
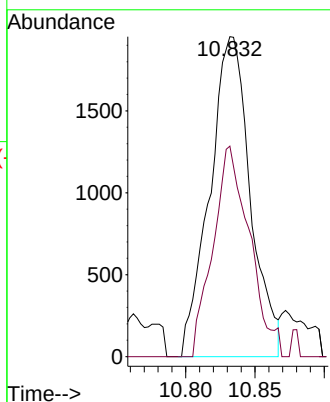
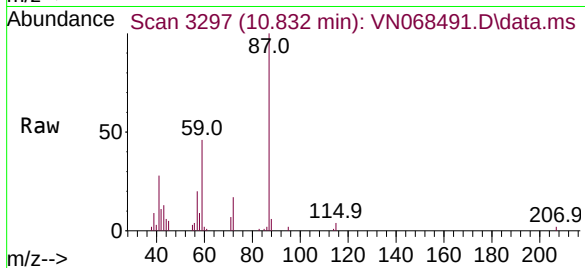




#59
2-Hexanone
Concen: 1.076 ug/l
RT: 10.832 min Scan# 3297
Delta R.T. -0.255 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

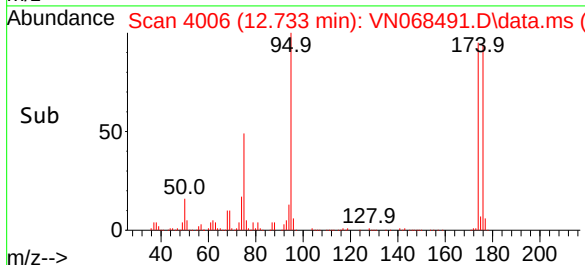
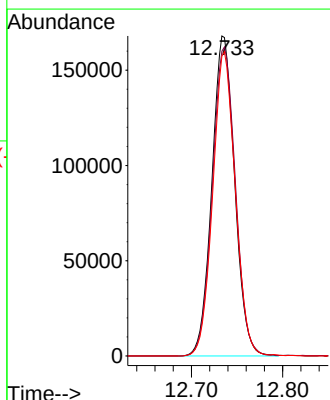
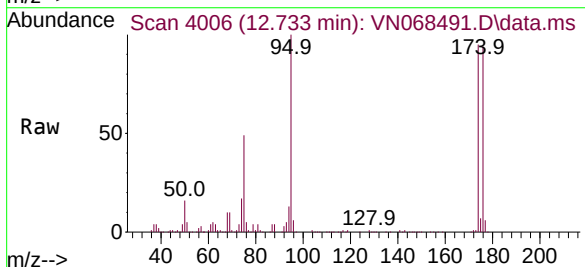
Instrument :
MSVOA_N
ClientSampled :
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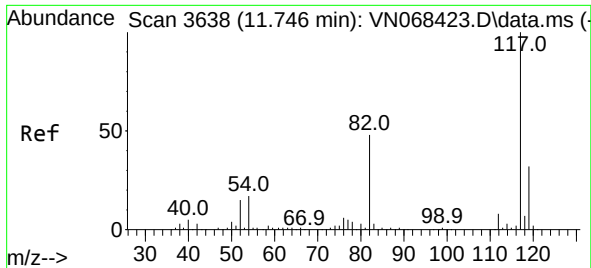
Tgt Ion: 43 Resp: 3987
Ion Ratio Lower Upper
43 100
58 59.0 30.0 90.1



#62
4-Bromofluorobenzene
Concen: 47.916 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion: 95 Resp: 291038
Ion Ratio Lower Upper
95 100
174 98.1 0.0 214.0
176 94.0 0.0 205.4

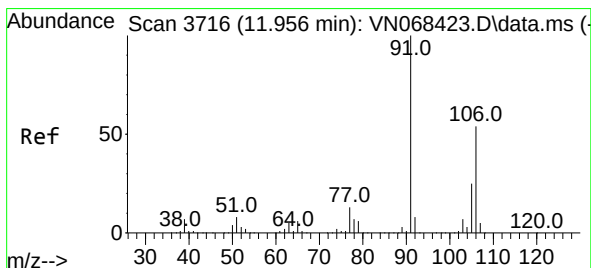
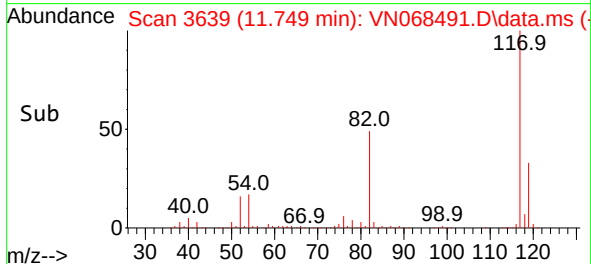
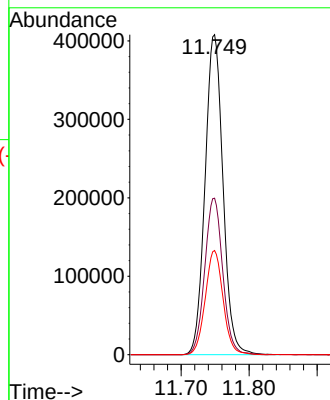
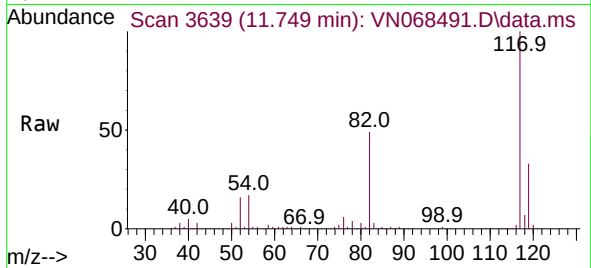




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

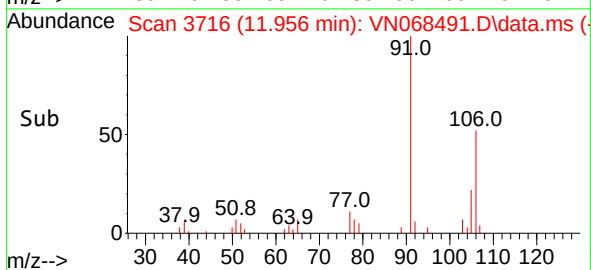
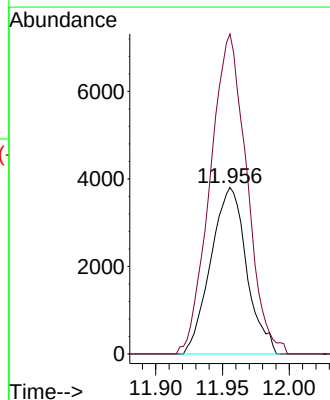
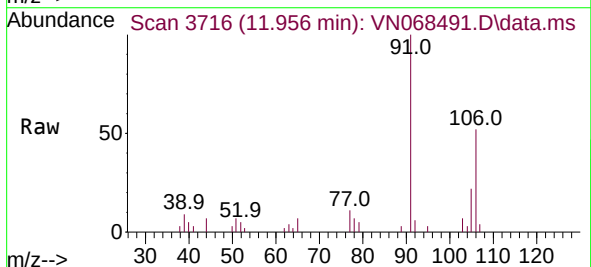
Instrument :
MSVOA_N
ClientSampleId :
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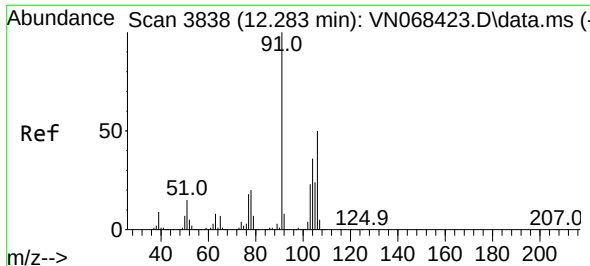
Tgt Ion:117 Resp: 748767
Ion Ratio Lower Upper
117 100
82 48.9 38.7 58.1
119 32.6 25.5 38.3



#68
m/p-Xylenes
Concen: 0.700 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. -0.000 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion:106 Resp: 7096
Ion Ratio Lower Upper
106 100
91 196.4 149.5 224.3

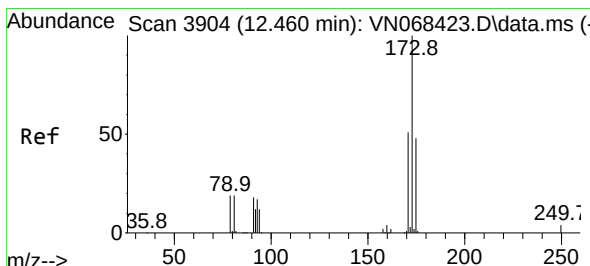
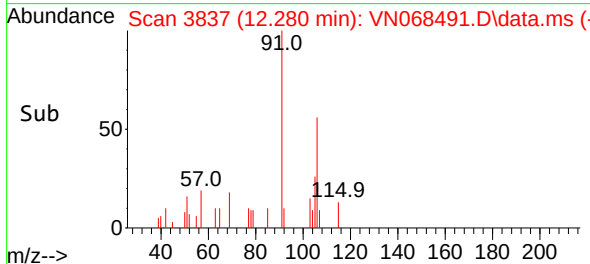
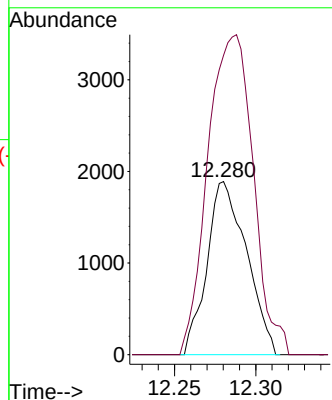
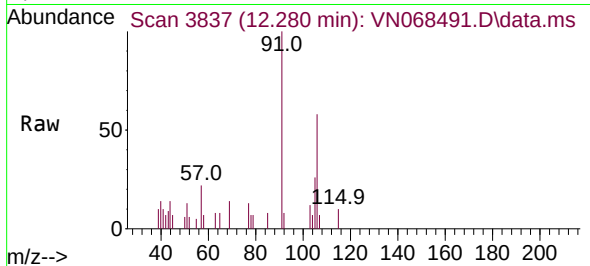




#69
o-Xylene
Concen: 0.324 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

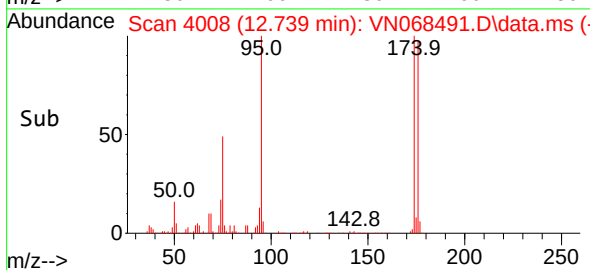
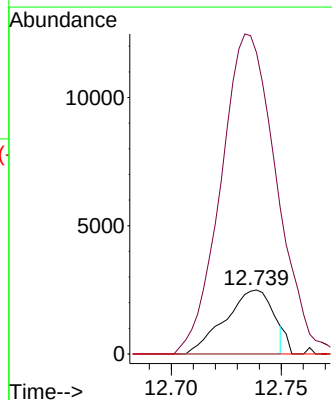
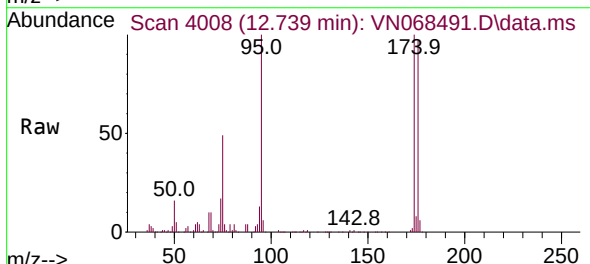
Instrument :
MSVOA_N
ClientSampleId :
31206

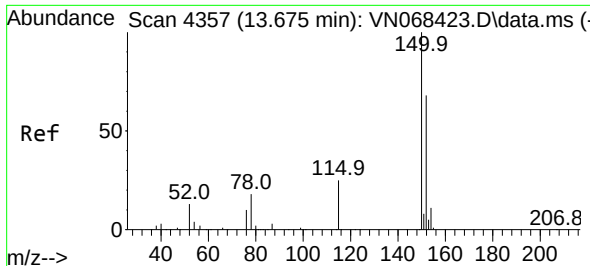
Tgt Ion:106 Resp: 3203
Ion Ratio Lower Upper
106 100
91 212.0 99.3 297.8



#71
Bromoform
Concen: 0.815 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

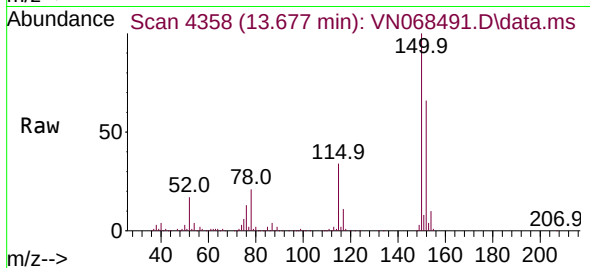
Tgt Ion:173 Resp: 3778
Ion Ratio Lower Upper
173 100
175 520.2 24.1 72.3#
254 0.0 0.0 0.0



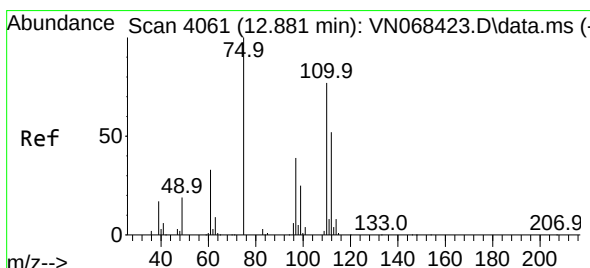
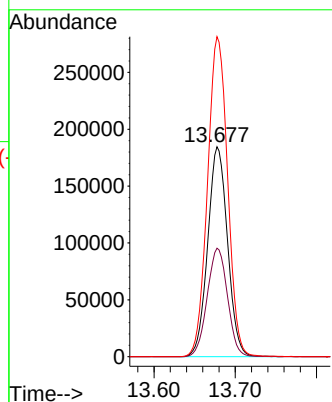
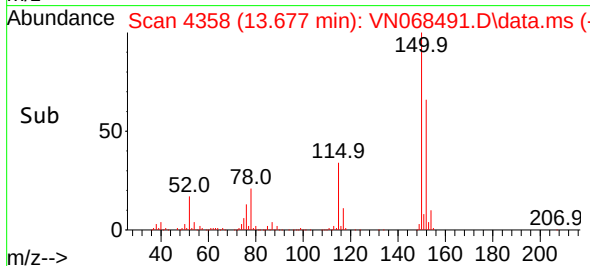


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

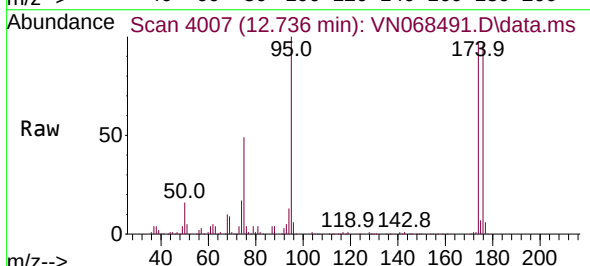
Instrument :
MSVOA_N
ClientSampled :
31206



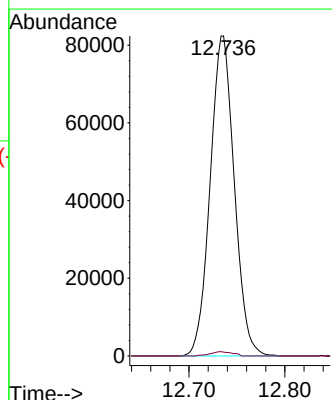
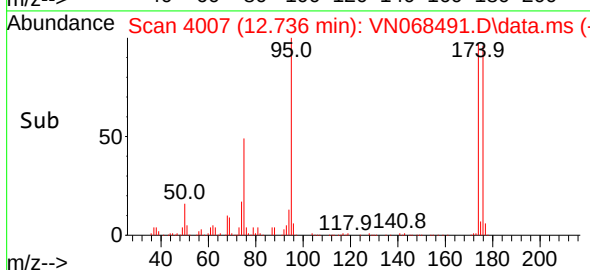
Tgt Ion:152 Resp: 312893
Ion Ratio Lower Upper
152 100
115 52.8 25.6 76.6
150 154.6 0.0 346.8

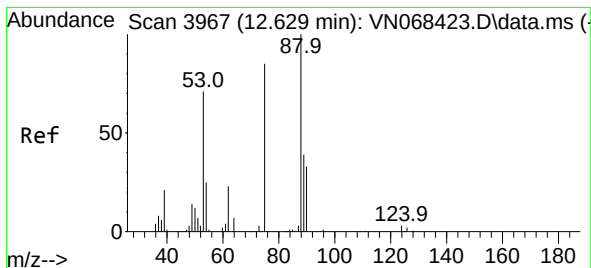


#76
1,2,3-Trichloropropane
Concen: 29.136 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15



Tgt Ion: 75 Resp: 143909
Ion Ratio Lower Upper
75 100
77 1.2 100.9 302.7#

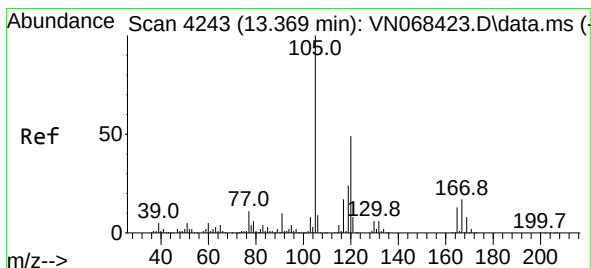
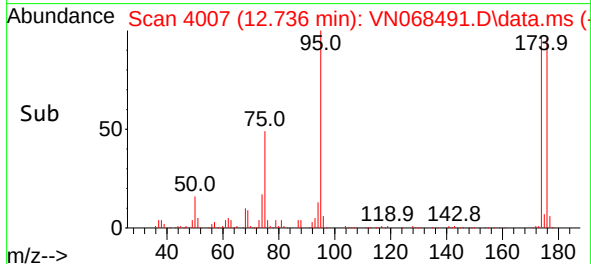
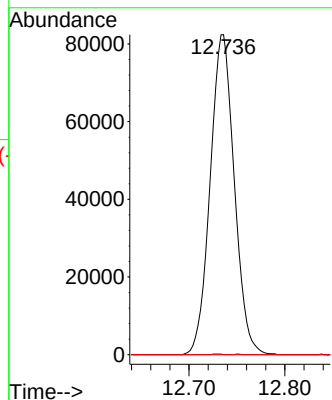
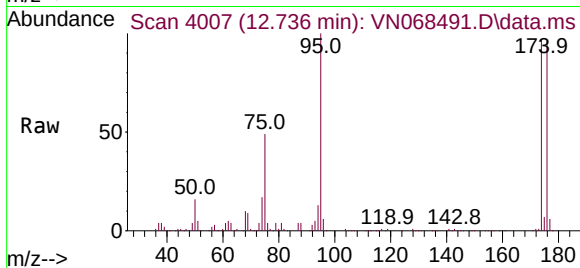




#81
trans-1,4-Dichloro-2-butene
Concen: 101.929 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

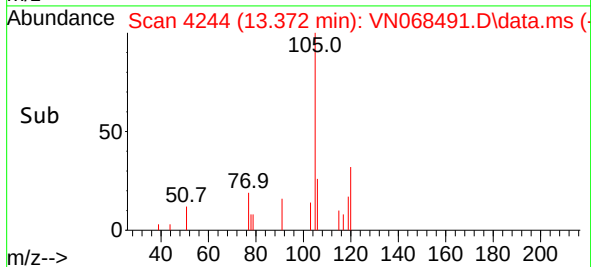
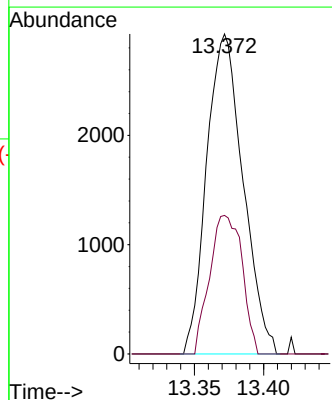
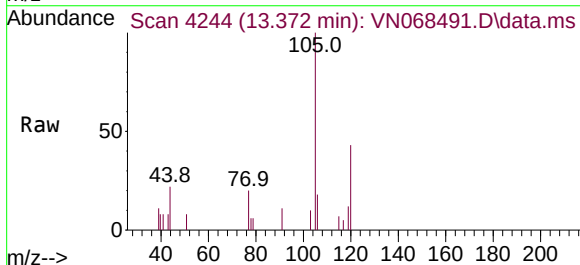
Instrument :
MSVOA_N
ClientSampled :
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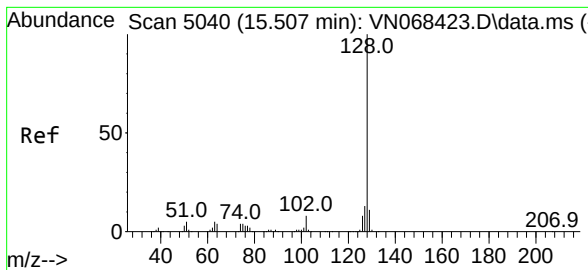
Tgt Ion: 75 Resp: 143909
Ion Ratio Lower Upper
75 100
53 0.1 70.6 105.8#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.308 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Tgt Ion:105 Resp: 5349
Ion Ratio Lower Upper
105 100
120 38.5 24.3 72.9





#95
Naphthalene
Concen: 3.929 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068491.D
Acq: 15 Sep 2021 18:15

Instrument :
MSVOA_N
ClientSampled :
31206

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.6	15.8
129	2.8	8.6	13.0#

