

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091521\
 Data File : VN068495.D
 Acq On : 15 Sep 2021 19:56
 Operator : JC/MD
 Sample : M3759-17 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31185

Quant Time: Sep 16 03:19:22 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)

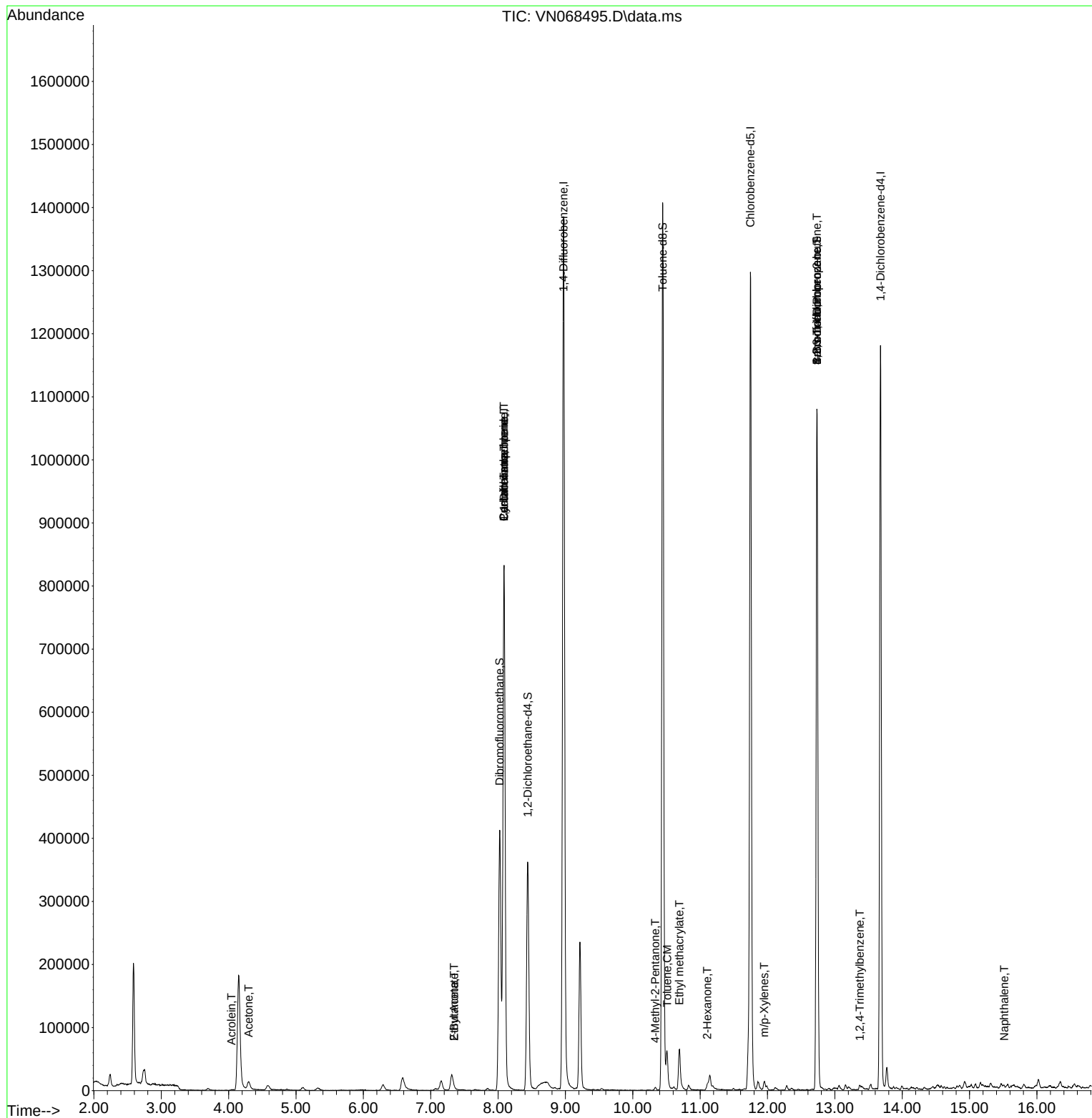
Internal Standards						
1) Pentafluorobenzene	8.088	168	772332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1005404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	888558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	380949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	303930	42.900	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	85.800%		
35) Dibromofluoromethane	8.024	113	297597	49.077	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.160%		
50) Toluene-d8	10.443	98	1111729	50.472	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.940%		
62) 4-Bromofluorobenzene	12.733	95	345866	49.071	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.140%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.318	59	1882	Below Cal	#	84
13) Acrolein	4.041	56	1142	2.171	ug/l	91
16) Acetone	4.296	43	23670	10.096	ug/l	94
18) Methyl Acetate	4.865	43	1713	Below Cal		99
20) Methylene Chloride	5.095	84	3628	Below Cal	#	80
25) 2-Butanone	7.348	43	2028	0.589	ug/l	99
31) Cyclohexane	8.088	56	9506	0.885	ug/l	# 10
36) 1,1-Dichloropropene	8.088	75	40693	4.855	ug/l	# 48
37) Ethyl Acetate	7.348	43	2028	0.318	ug/l	# 66
38) Carbon Tetrachloride	8.088	117	62977	6.271	ug/l	# 15
51) 4-Methyl-2-Pentanone	10.333	43	3343	0.521	ug/l	# 83
52) Toluene	10.510	92	23141	1.406	ug/l	99
56) Ethyl methacrylate	10.690	69	12166	1.499	ug/l	# 39
59) 2-Hexanone	11.106	43	2750	0.639	ug/l	# 33
68) m/p-Xylenes	11.953	106	5238	0.435	ug/l	92
71) Bromoform	12.733	173	3916	0.712	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	163000	27.106	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.733	75	163000	94.826	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.369	105	5371	0.254	ug/l	82
95) Naphthalene	15.515	128	4784	3.791	ug/l	96

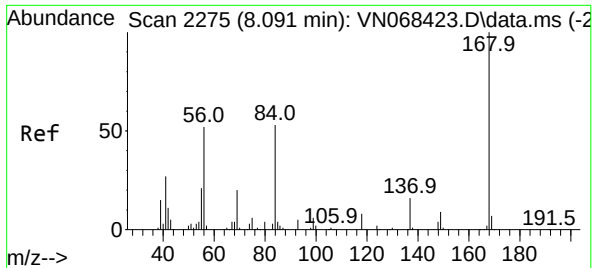
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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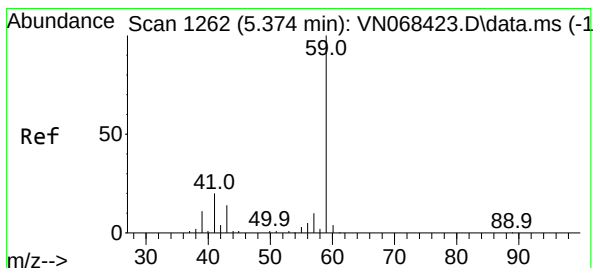
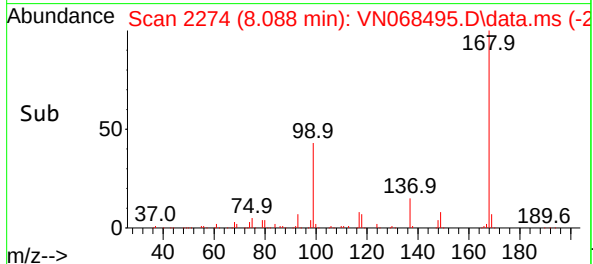
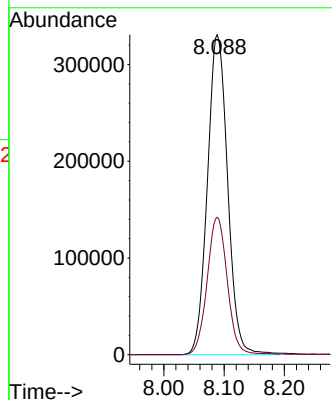
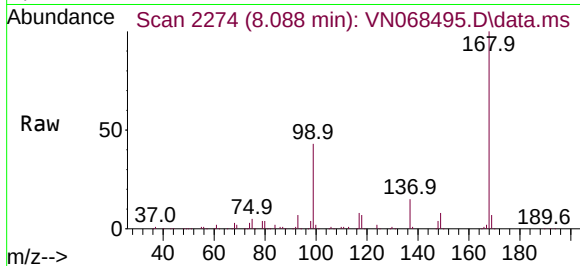




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.003 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

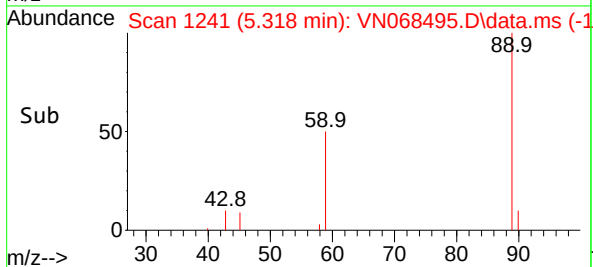
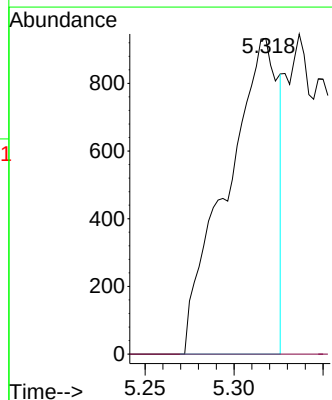
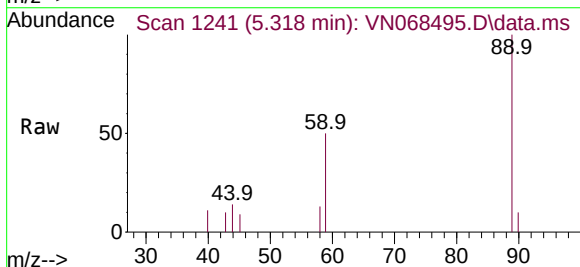
Instrument :
MSVOA_N
ClientSampleId :
31185

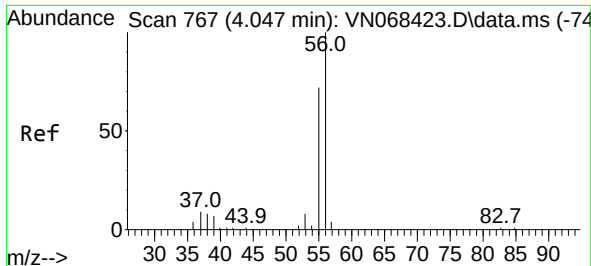
Tgt Ion:168 Resp: 772332
Ion Ratio Lower Upper
168 100
99 42.9 38.2 57.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.318 min Scan# 1241
Delta R.T. -0.056 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 59 Resp: 1882
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

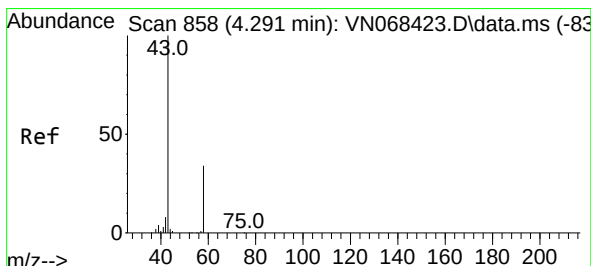
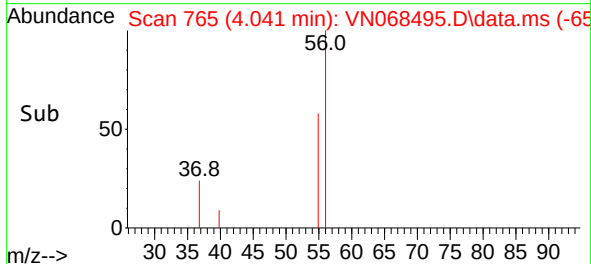
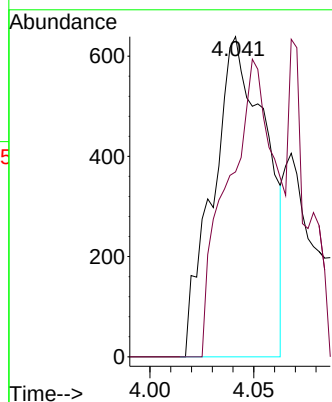
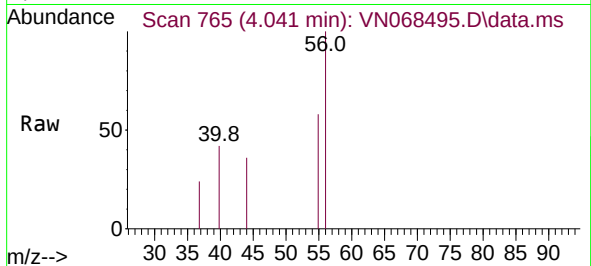




#13
Acrolein
Concen: 2.171 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

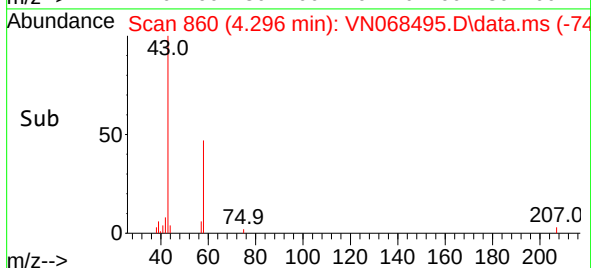
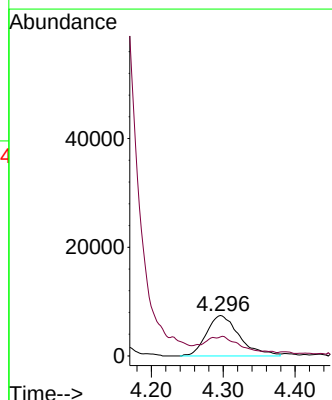
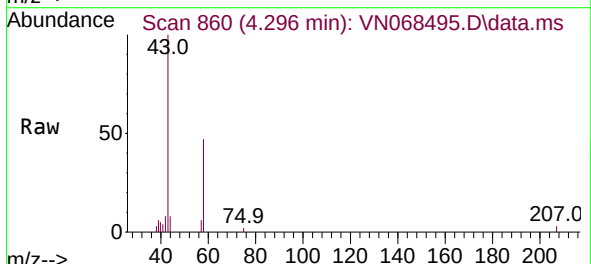
Instrument :
MSVOA_N
ClientSampled :
31185

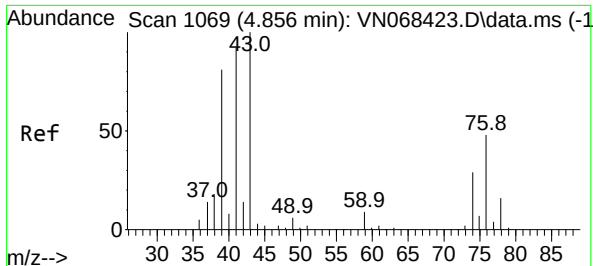
Tgt Ion: 56 Resp: 1142
Ion Ratio Lower Upper
56 100
55 78.5 56.8 85.2



#16
Acetone
Concen: 10.096 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 43 Resp: 23670
Ion Ratio Lower Upper
43 100
58 37.3 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.865 min Scan# 1072

Delta R.T. 0.009 min

Lab File: VN068495.D

Acq: 15 Sep 2021 19:56

Instrument :

MSVOA_N

ClientSampled :

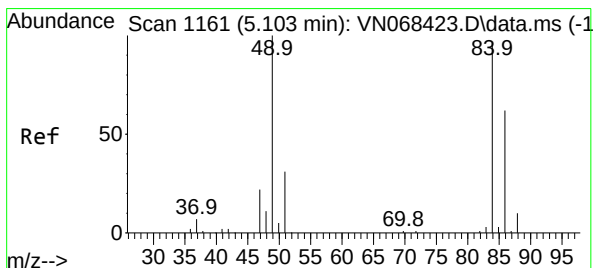
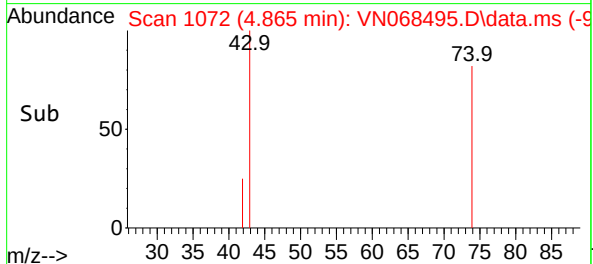
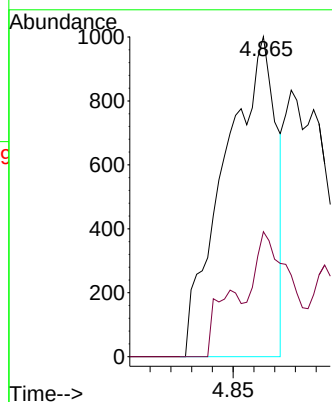
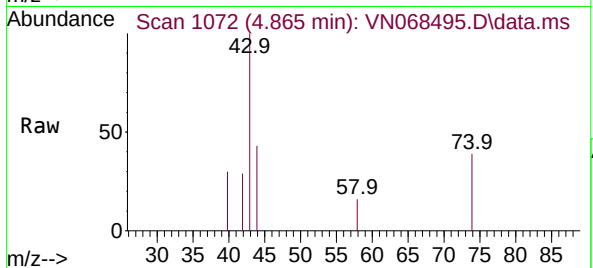
31185

Tgt Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

74 29.1 23.5 35.3



#20

Methylene Chloride

Concen: Below Cal

RT: 5.095 min Scan# 1158

Delta R.T. -0.008 min

Lab File: VN068495.D

Acq: 15 Sep 2021 19:56

Tgt Ion: 84 Resp: 3628

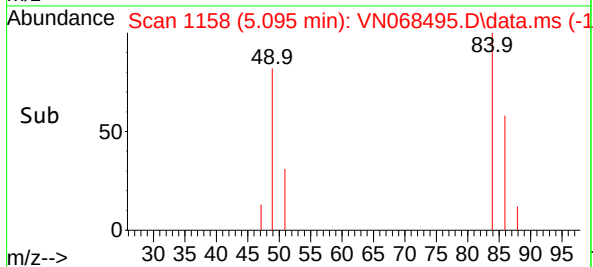
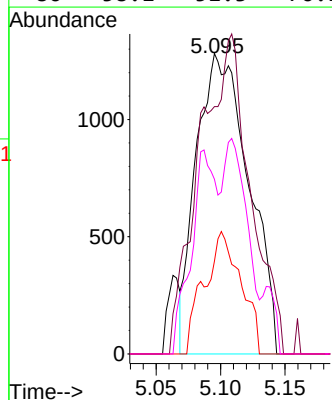
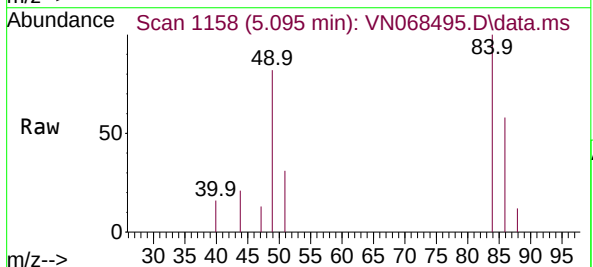
Ion Ratio Lower Upper

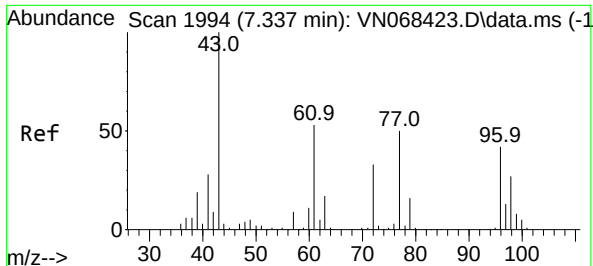
84 100

49 69.5 83.0 124.6#

51 30.9 25.4 38.0

86 58.1 51.3 76.9





#25

2-Butanone

Concen: 0.589 ug/l

RT: 7.348 min Scan# 1998

Delta R.T. 0.011 min

Lab File: VN068495.D

Acq: 15 Sep 2021 19:56

Tgt Ion: 43 Resp: 2028

Ion Ratio Lower Upper

43 100

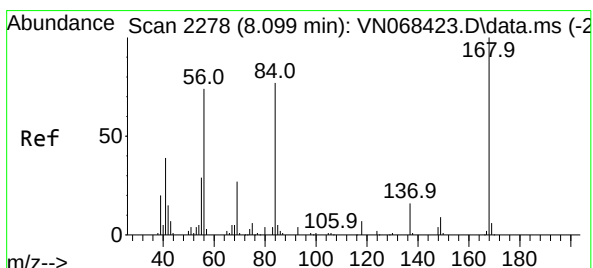
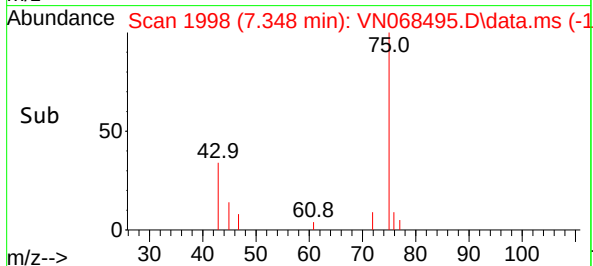
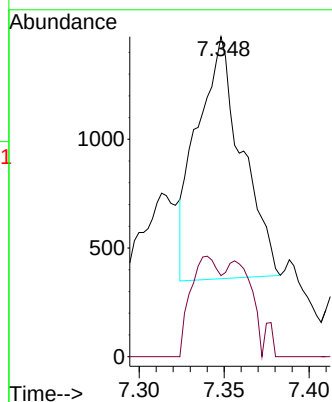
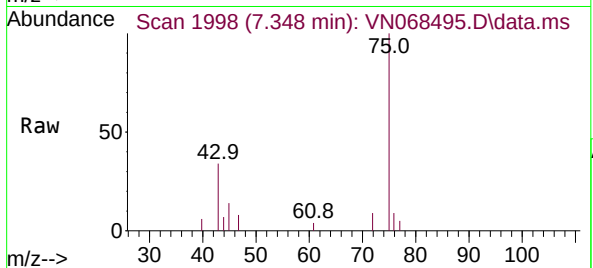
72 34.0 26.7 40.1

Instrument :

MSVOA_N

ClientSampled :

31185



#31

Cyclohexane

Concen: 0.885 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.011 min

Lab File: VN068495.D

Acq: 15 Sep 2021 19:56

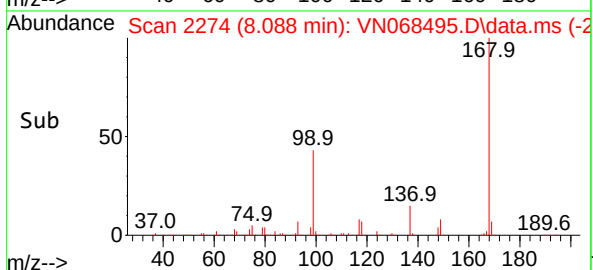
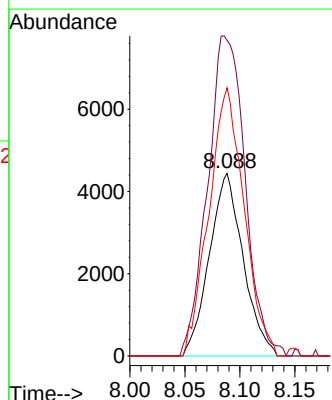
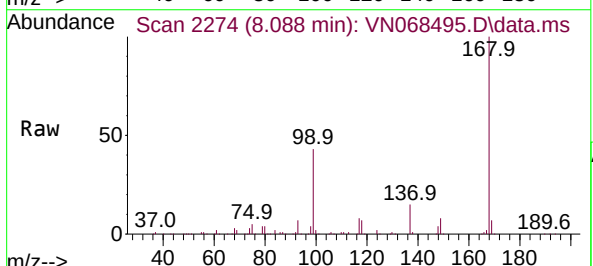
Tgt Ion: 56 Resp: 9506

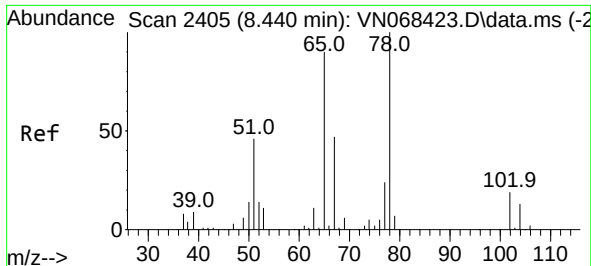
Ion Ratio Lower Upper

56 100

69 172.9 29.4 44.0#

84 146.8 83.6 125.4#

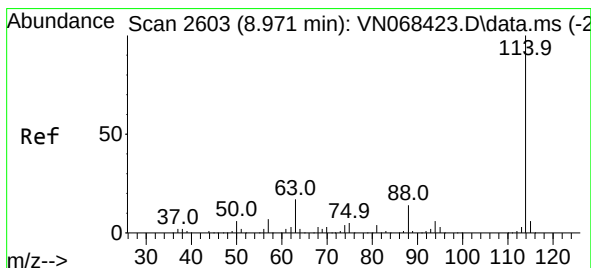
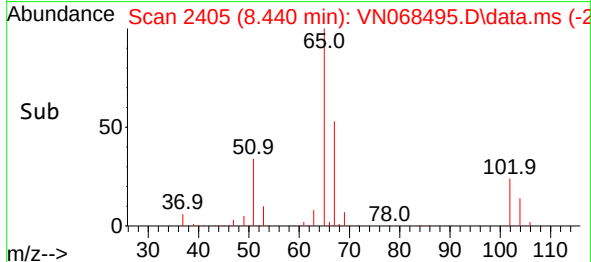
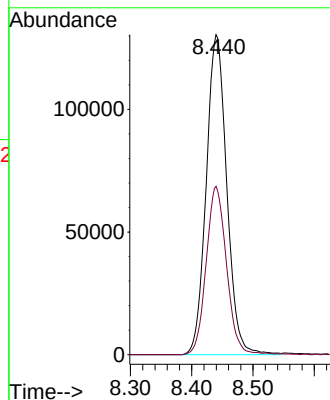
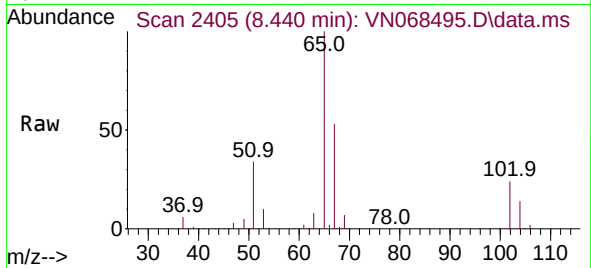




#33
 1,2-Dichloroethane-d4
 Concen: 42.900 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.000 min
 Lab File: VN068495.D
 Acq: 15 Sep 2021 19:56

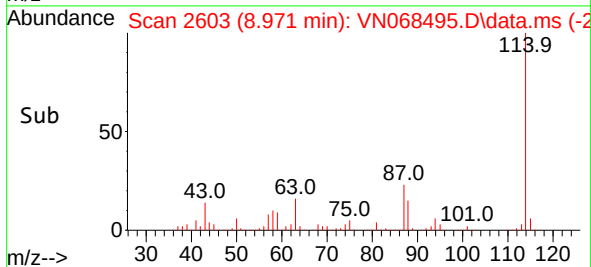
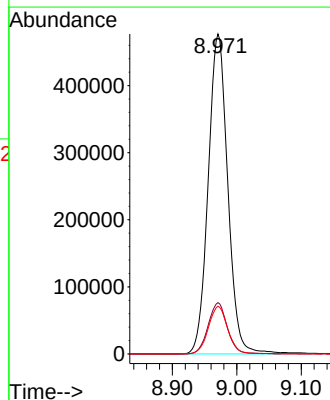
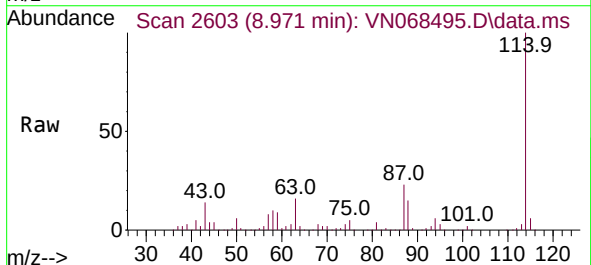
Instrument :
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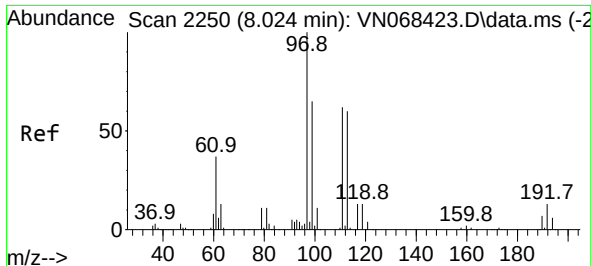
Tgt Ion: 65 Resp: 303930
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068495.D
 Acq: 15 Sep 2021 19:56

Tgt Ion: 114 Resp: 1005404
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 33.2
 88 14.9 0.0 28.4

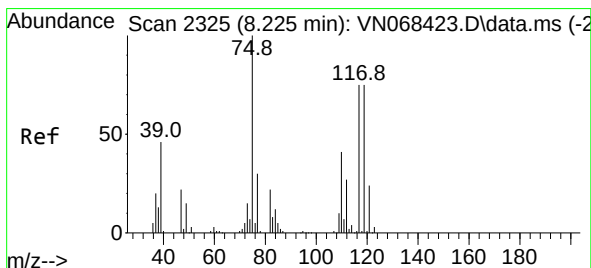
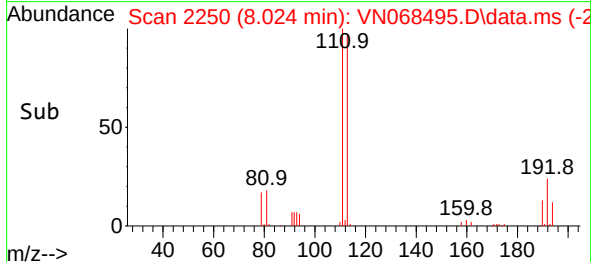
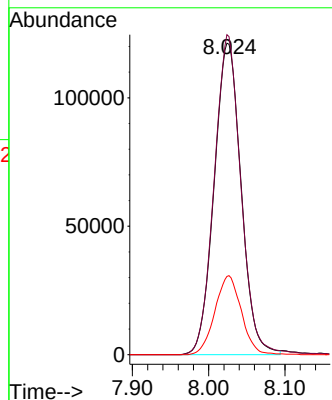
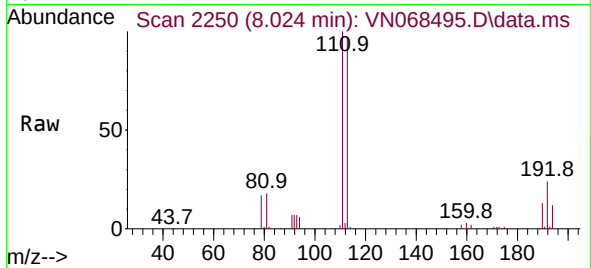




#35
Dibromofluoromethane
Concen: 49.077 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

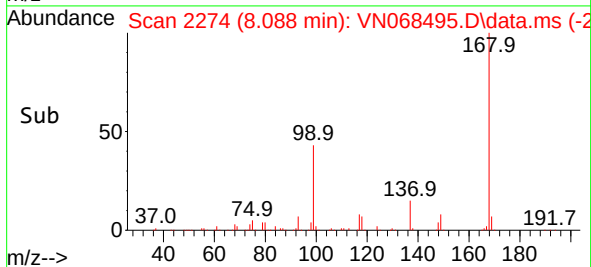
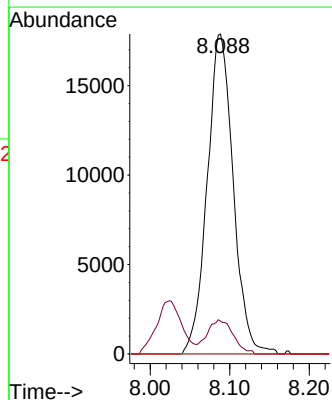
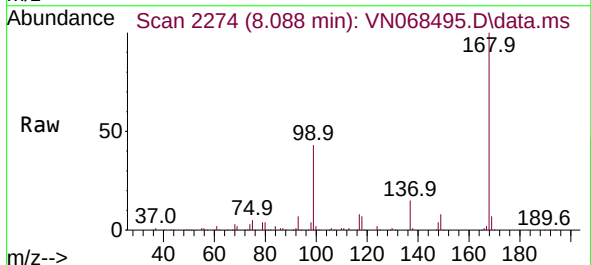
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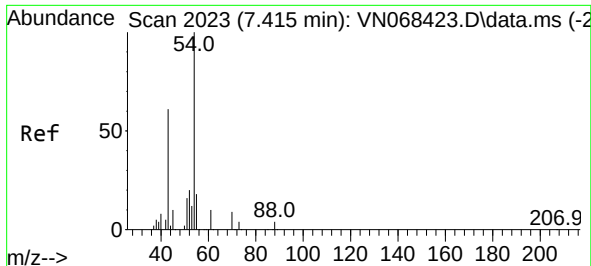
Tgt Ion:113 Resp: 297597
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 25.0 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 75 Resp: 40693
Ion Ratio Lower Upper
75 100
110 10.7 20.8 62.5#
77 0.0 25.0 37.6#

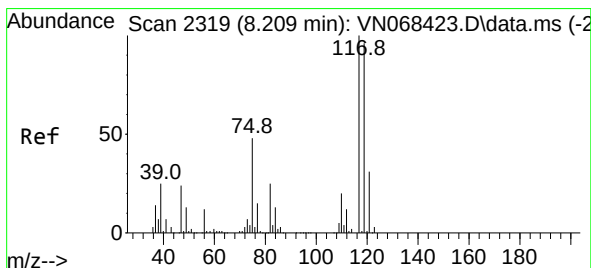
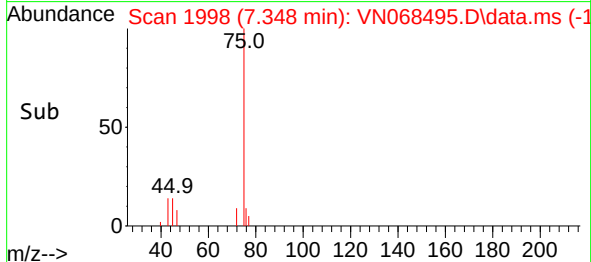
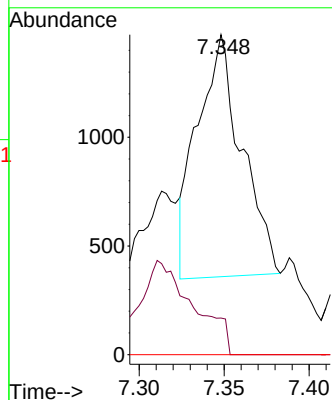
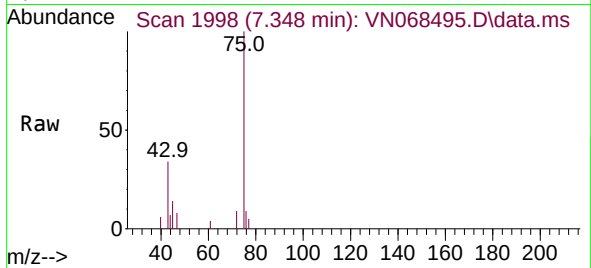




#37
Ethyl Acetate
Concen: 0.318 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. -0.067 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

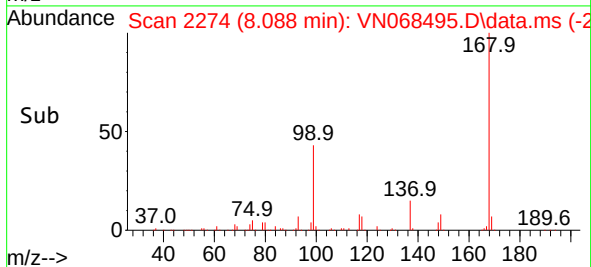
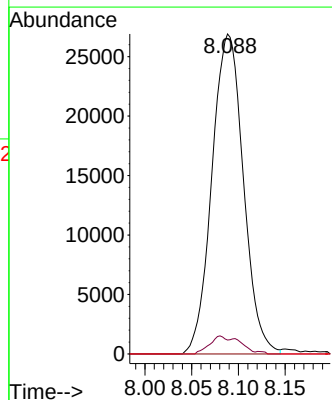
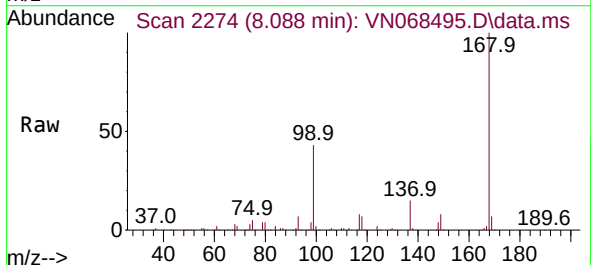
Instrument :
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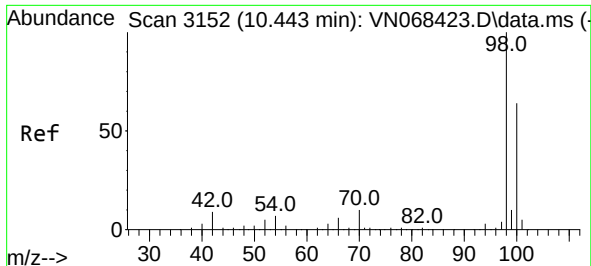
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#



#38
Carbon Tetrachloride
Concen: 6.271 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 117 Resp: 62977
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.5 36.7#

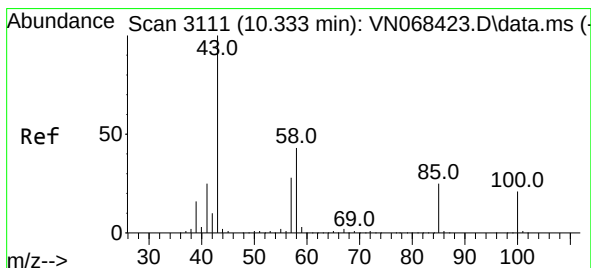
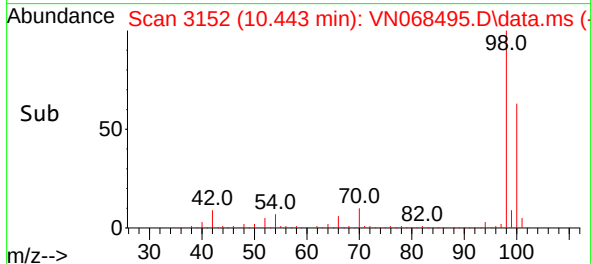
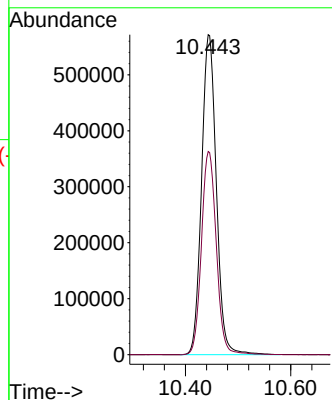
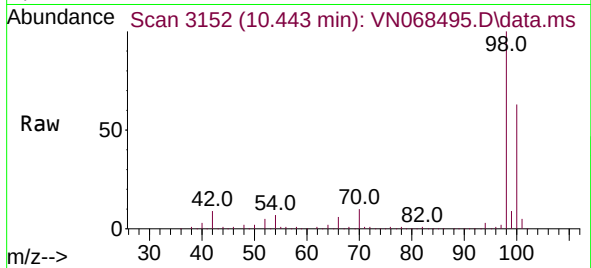




#50
Toluene-d8
Concen: 50.472 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

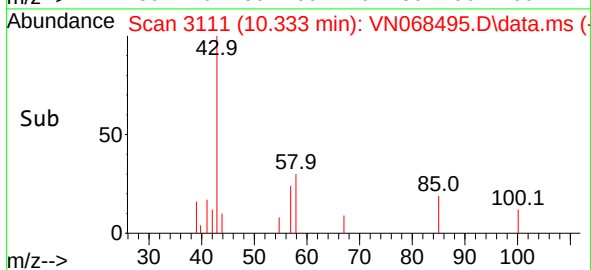
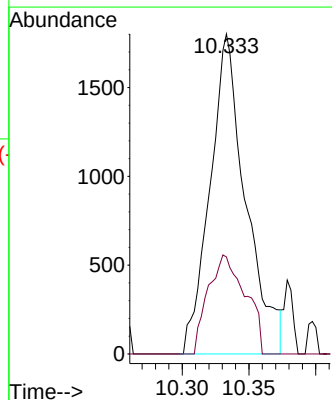
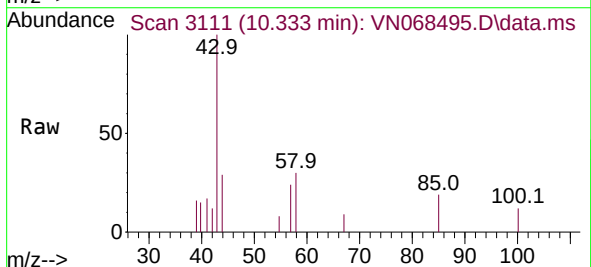
Instrument :
MSVOA_N
ClientSampled :
31185

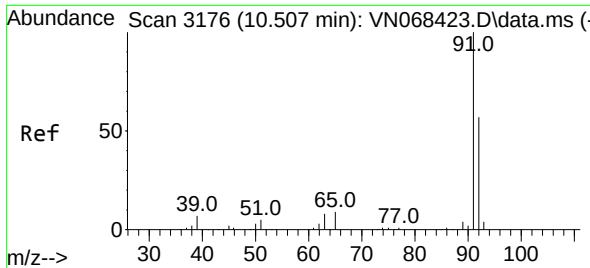
Tgt Ion: 98 Resp: 1111729
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 43 Resp: 3343
Ion Ratio Lower Upper
43 100
58 32.2 34.3 51.5#

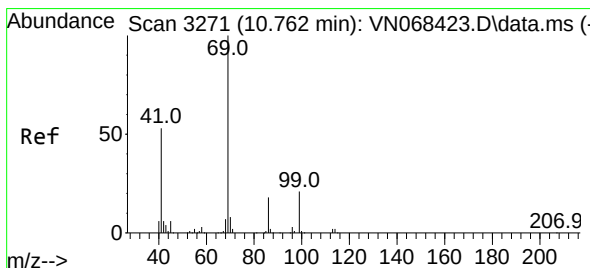
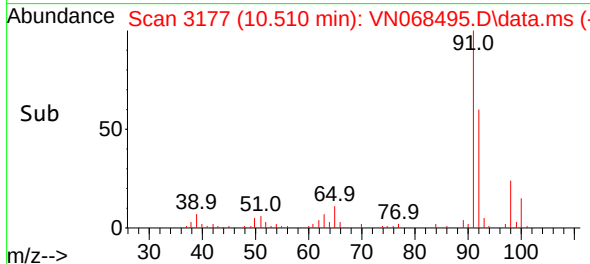
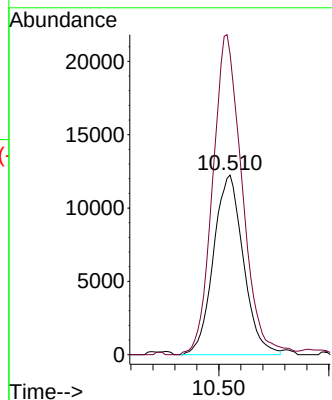
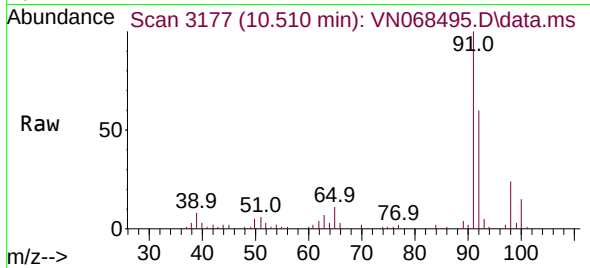




#52
Toluene
Concen: 1.406 ug/l
RT: 10.510 min Scan# 3177
Delta R.T. 0.003 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

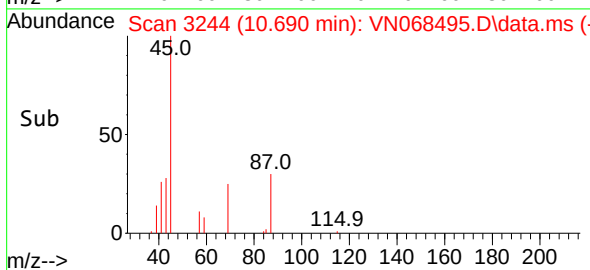
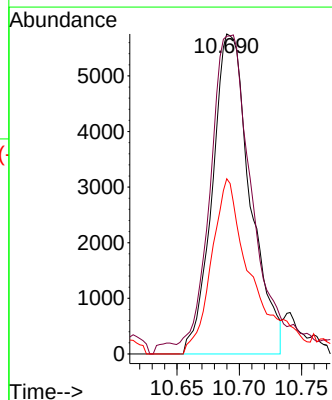
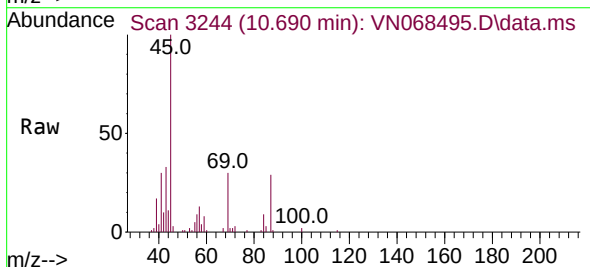
Instrument :
MSVOA_N
ClientSampled :
31185

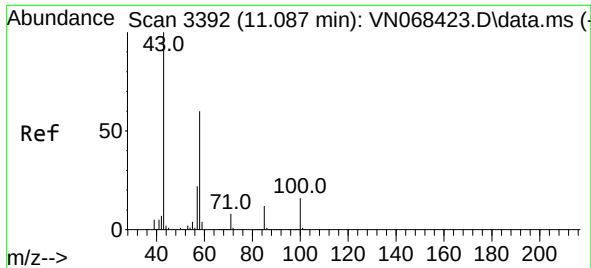
Tgt Ion: 92 Resp: 23141
Ion Ratio Lower Upper
92 100
91 175.5 139.4 209.0



#56
Ethyl methacrylate
Concen: 1.499 ug/l
RT: 10.690 min Scan# 3244
Delta R.T. -0.072 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 69 Resp: 12166
Ion Ratio Lower Upper
69 100
41 106.2 42.4 63.6#
39 58.5 28.5 42.7#

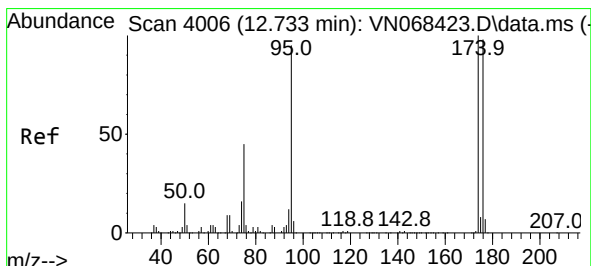
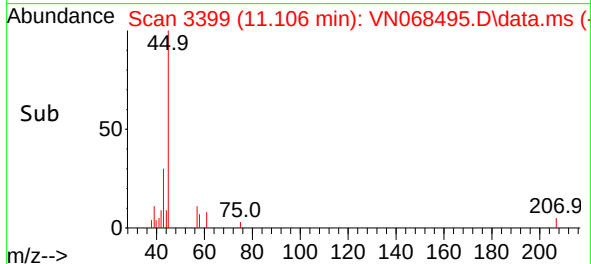
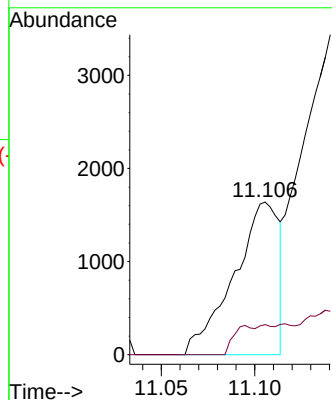
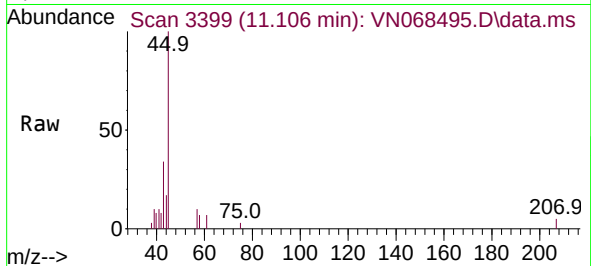




#59
2-Hexanone
Concen: 0.639 ug/l
RT: 11.106 min Scan# 3399
Delta R.T. 0.019 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

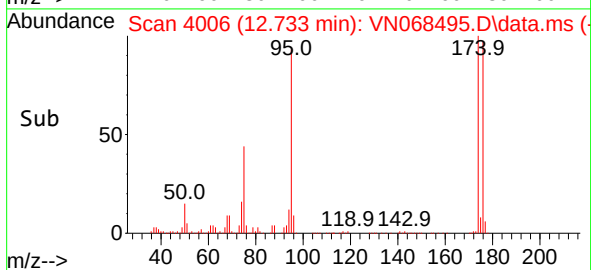
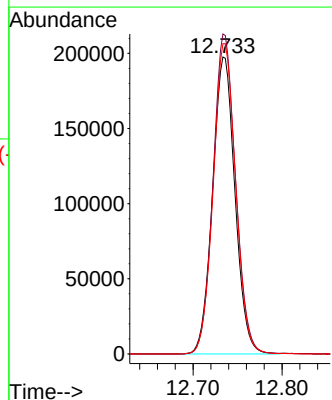
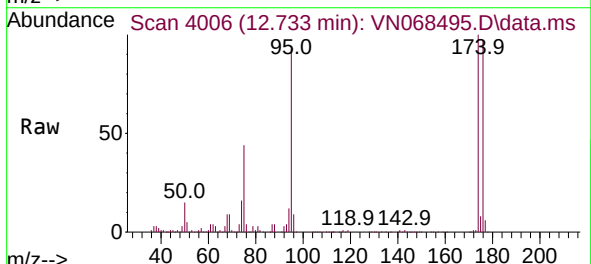
Instrument :
MSVOA_N
ClientSampleId :
31185

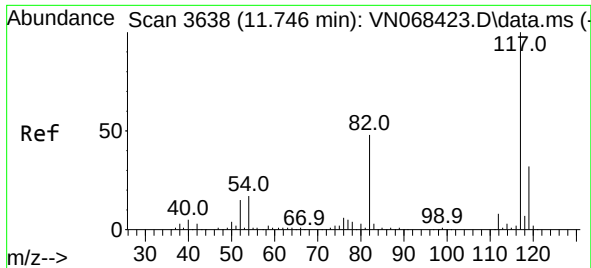
Tgt Ion: 43 Resp: 2750
Ion Ratio Lower Upper
43 100
58 9.1 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 49.071 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 95 Resp: 345866
Ion Ratio Lower Upper
95 100
174 108.0 0.0 214.0
176 104.5 0.0 205.4

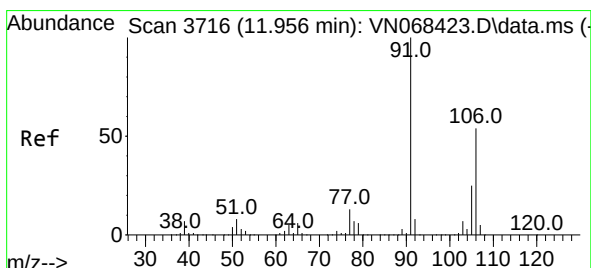
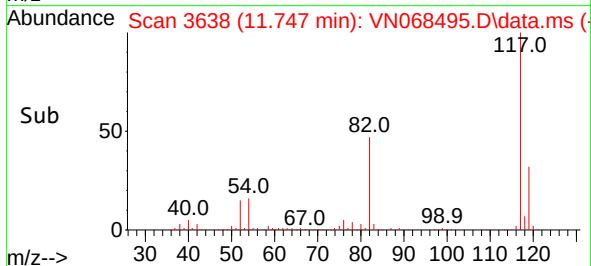
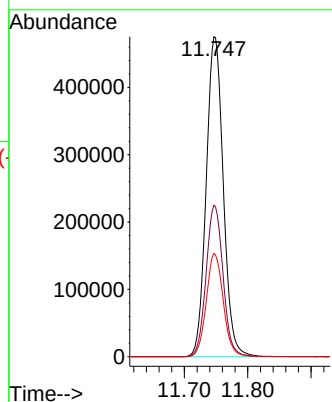
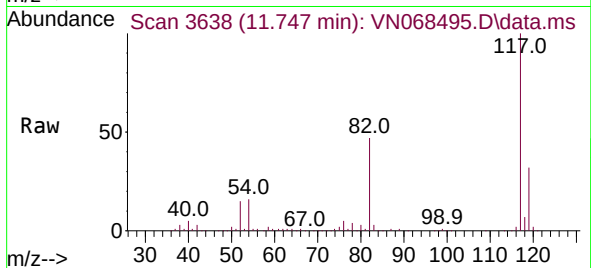




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

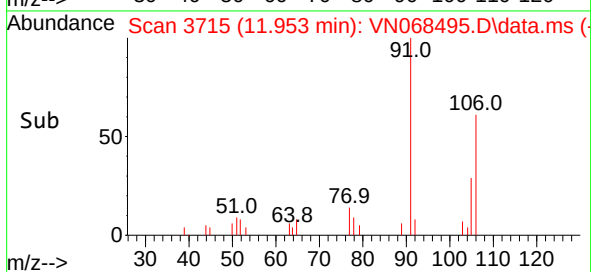
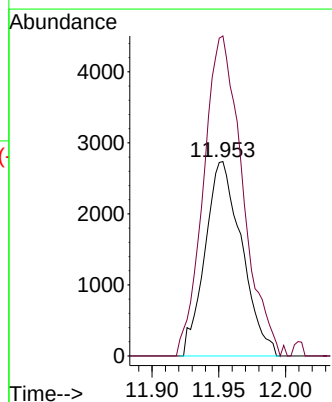
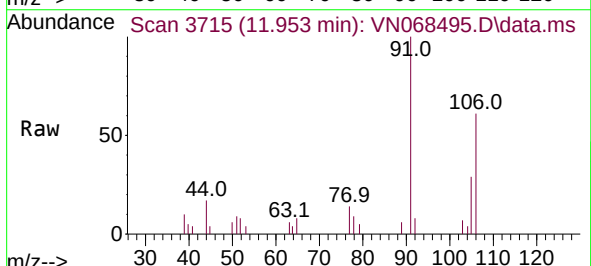
Instrument :
MSVOA_N
ClientSampled :
31185

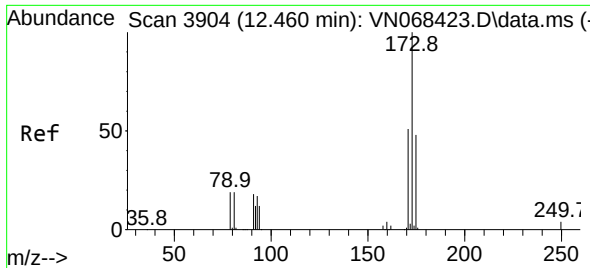
Tgt Ion:117 Resp: 888558
Ion Ratio Lower Upper
117 100
82 47.3 38.7 58.1
119 32.2 25.5 38.3



#68
m/p-Xylenes
Concen: 0.435 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion:106 Resp: 5238
Ion Ratio Lower Upper
106 100
91 174.6 149.5 224.3

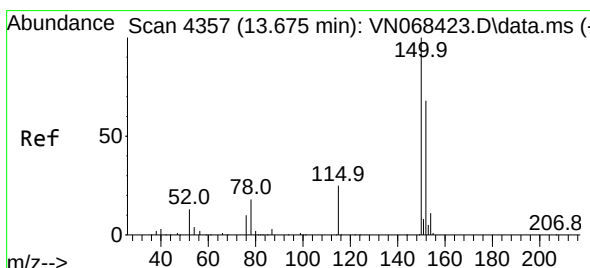
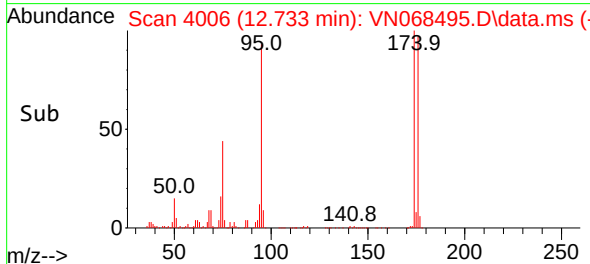
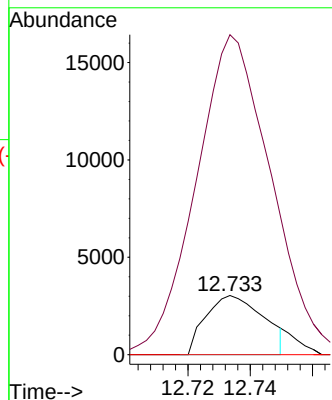
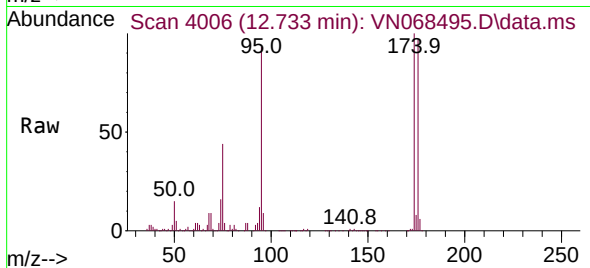




#71
Bromoform
Concen: 0.712 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

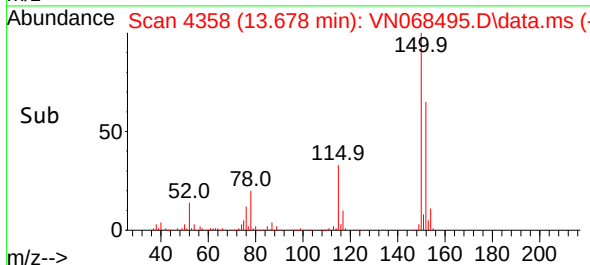
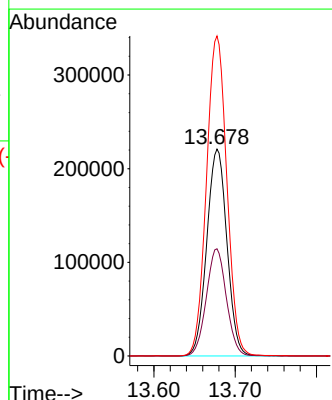
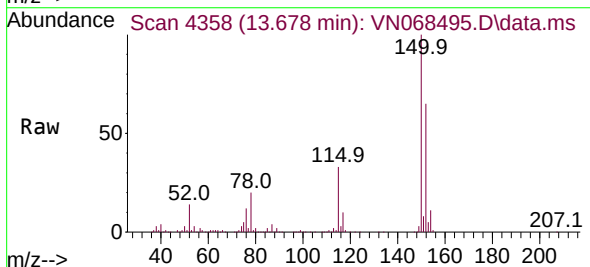
Instrument :
MSVOA_N
ClientSampled :
31185

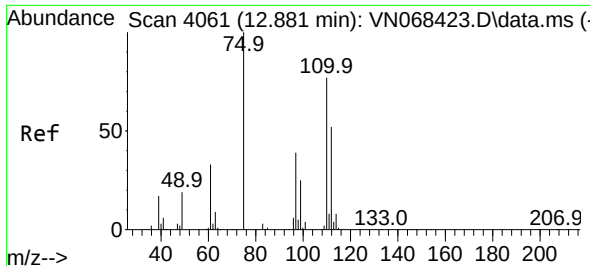
Tgt Ion:173 Resp: 3916
Ion Ratio Lower Upper
173 100
175 641.6 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion:152 Resp: 380949
Ion Ratio Lower Upper
152 100
115 51.6 25.6 76.6
150 156.1 0.0 346.8

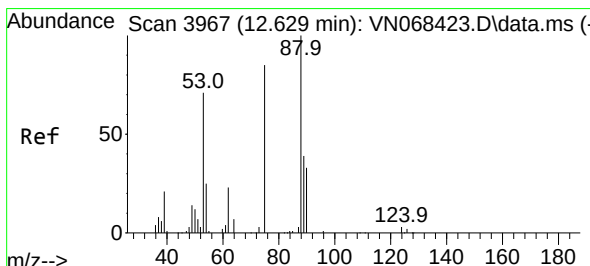
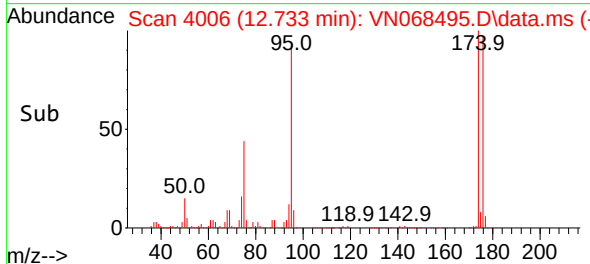
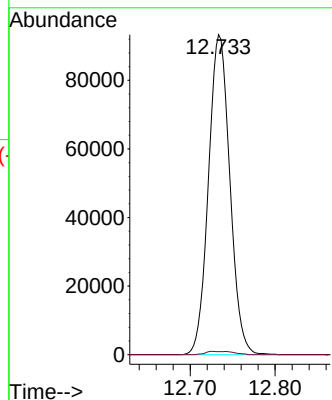
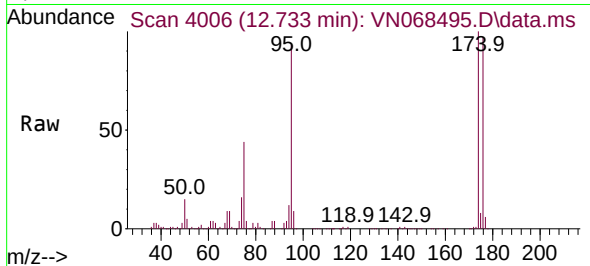




#76
1,2,3-Trichloropropane
Concen: 27.106 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

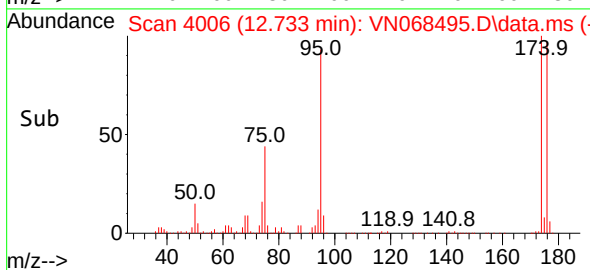
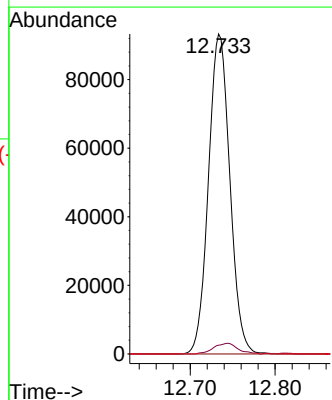
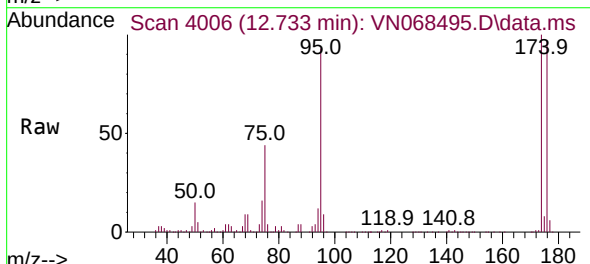
Instrument :
MSVOA_N
ClientSampled :
31185

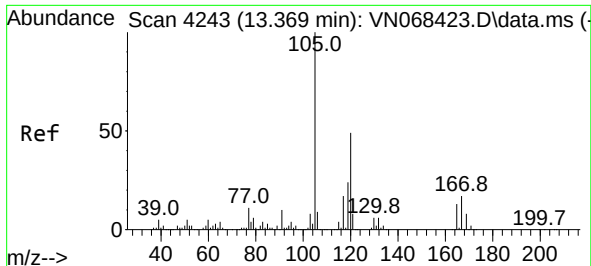
Tgt Ion: 75 Resp: 163000
Ion Ratio Lower Upper
75 100
77 0.7 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.826 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion: 75 Resp: 163000
Ion Ratio Lower Upper
75 100
53 3.8 70.6 105.8#
89 0.0 39.5 59.3#

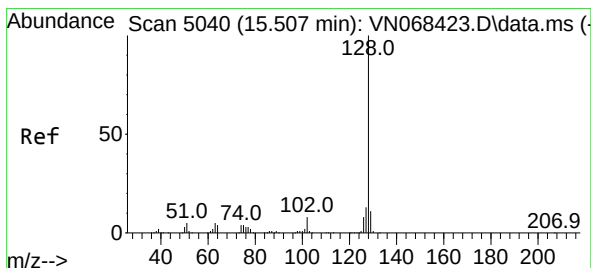
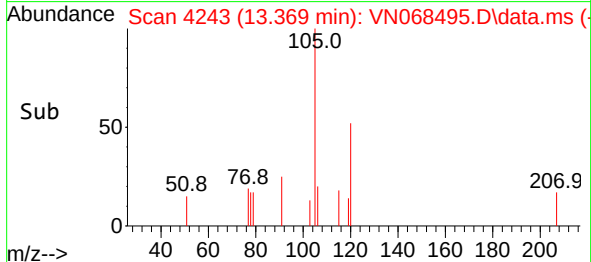
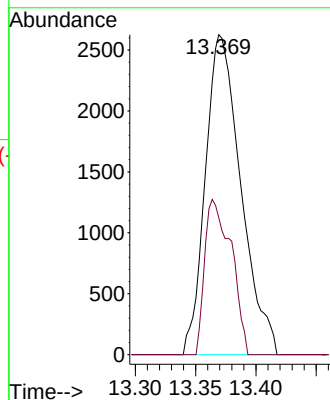
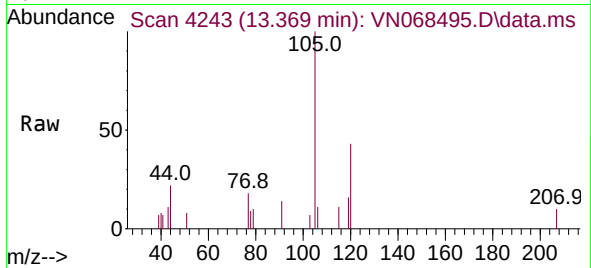




#84
1,2,4-Trimethylbenzene
Concen: 0.254 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Instrument :
MSVOA_N
ClientSampled :
31185

Tgt Ion:105 Resp: 5371
Ion Ratio Lower Upper
105 100
120 36.3 24.3 72.9



#95
Naphthalene
Concen: 3.791 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068495.D
Acq: 15 Sep 2021 19:56

Tgt Ion:128 Resp: 4784
Ion Ratio Lower Upper
128 100
127 11.1 10.6 15.8
129 11.5 8.6 13.0

