

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091521\
 Data File : VN068488.D
 Acq On : 15 Sep 2021 16:59
 Operator : JC/MD
 Sample : M3759-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31202

Quant Time: Sep 16 03:16:41 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)

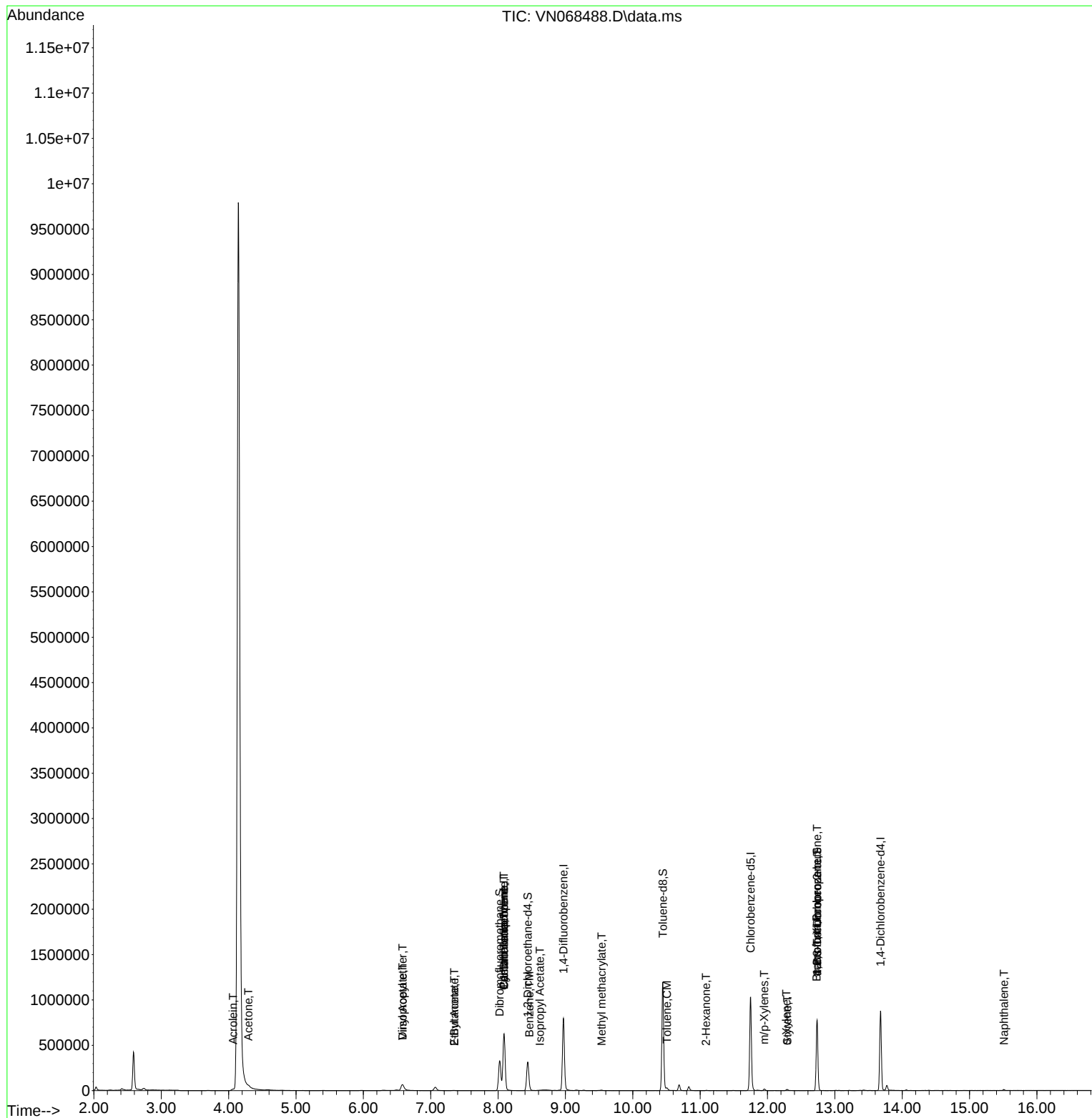
Internal Standards						
1) Pentafluorobenzene	8.088	168	535495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	776171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	667924	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	264904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	264566	53.860	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.720%			
35) Dibromofluoromethane	8.021	113	246123	52.576	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.160%			
50) Toluene-d8	10.446	98	904515	53.192	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 106.380%			
62) 4-Bromofluorobenzene	12.736	95	260071	47.796	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.600%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.371	59	669	Below Cal	#	84
13) Acrolein	4.065	56	16146	44.265	ug/l #	14
16) Acetone	4.293	43	26710	16.432	ug/l #	1
18) Methyl Acetate	4.835	43	143	Below Cal	#	45
20) Methylene Chloride	5.106	84	164	Below Cal	#	44
22) Diisopropyl ether	6.581	45	5305	0.458	ug/l #	1
23) Vinyl Acetate	6.581	43	14932	1.727	ug/l #	67
25) 2-Butanone	7.351	43	4494	1.883	ug/l	95
31) Cyclohexane	8.088	56	8986	1.207	ug/l #	47
36) 1,1-Dichloropropene	8.088	75	33313	5.148	ug/l #	47
37) Ethyl Acetate	7.351	43	4494	0.913	ug/l #	66
38) Carbon Tetrachloride	8.086	117	49216	6.349	ug/l #	16
40) Benzene	8.464	78	7578	0.396	ug/l	100
43) Isopropyl Acetate	8.622	43	4602	0.530	ug/l #	51
48) Methyl methacrylate	9.536	41	915	0.252	ug/l #	25
52) Toluene	10.507	92	8805	0.693	ug/l	96
59) 2-Hexanone	11.087	43	1341	0.404	ug/l	89
68) m/p-Xylenes	11.953	106	6266	0.693	ug/l	93
69) o-Xylene	12.280	106	2354	0.267	ug/l	81
70) Styrene	12.296	104	4340	0.325	ug/l #	82
71) Bromoform	12.731	173	3594	0.869	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	132375	31.656	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	132375	110.745	ug/l #	13
95) Naphthalene	15.512	128	11063	4.478	ug/l	98

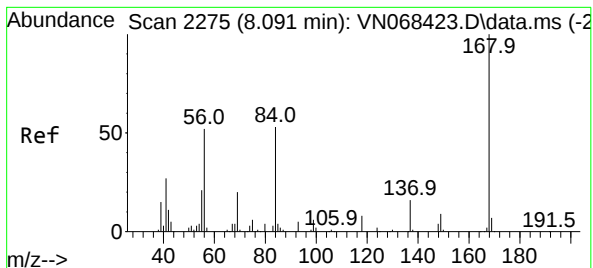
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 10 04:04:05 2021
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: VN068488.D

Acq: 15 Sep 2021 16:59

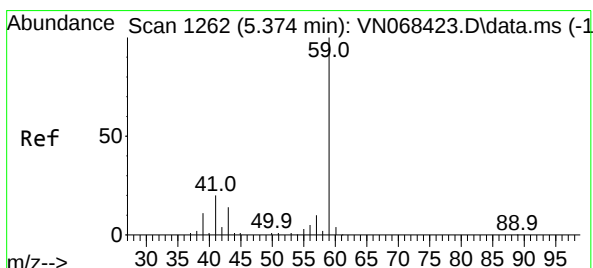
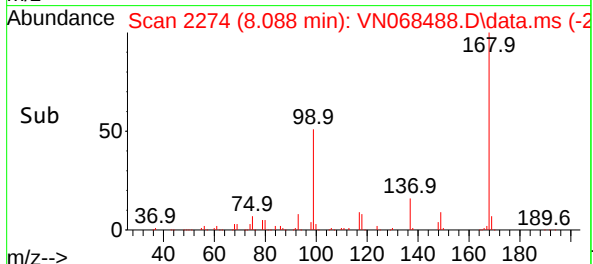
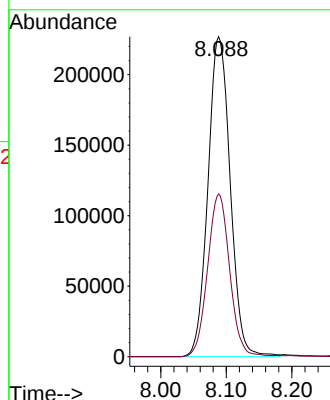
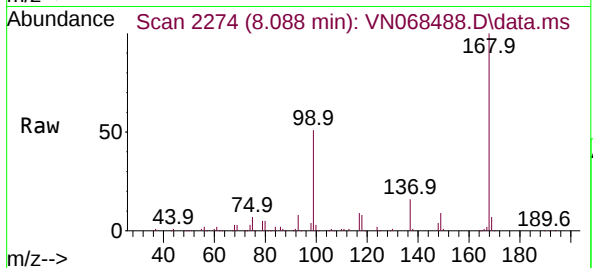
Instrument :
MSVOA_N
ClientSampled :
31202

Tgt Ion:168 Resp: 535495

Ion Ratio Lower Upper

168 100

99 50.8 38.2 57.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.371 min Scan# 1261

Delta R.T. -0.003 min

Lab File: VN068488.D

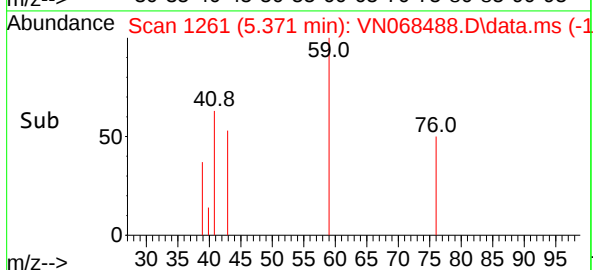
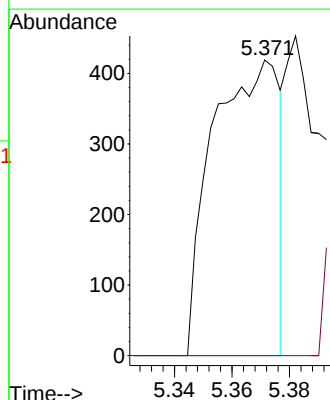
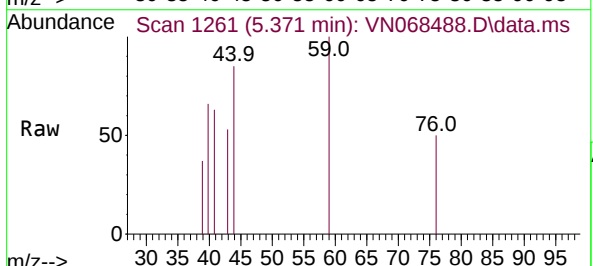
Acq: 15 Sep 2021 16:59

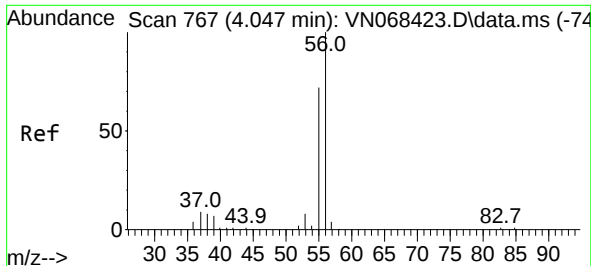
Tgt Ion: 59 Resp: 669

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#

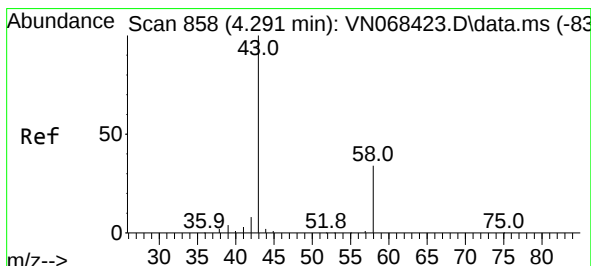
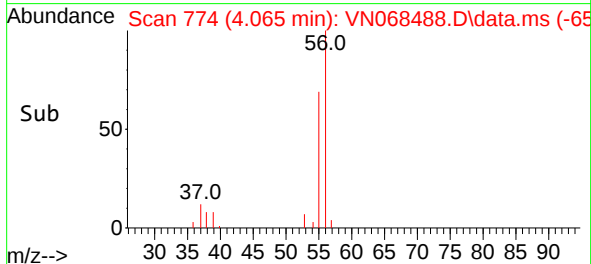
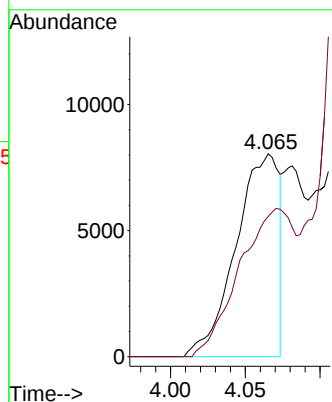
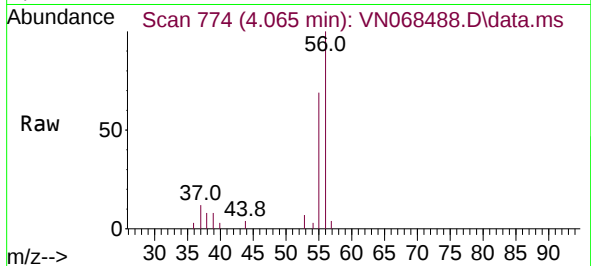




#13
Acrolein
Concen: 44.265 ug/l
RT: 4.065 min Scan# 774
Delta R.T. 0.019 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

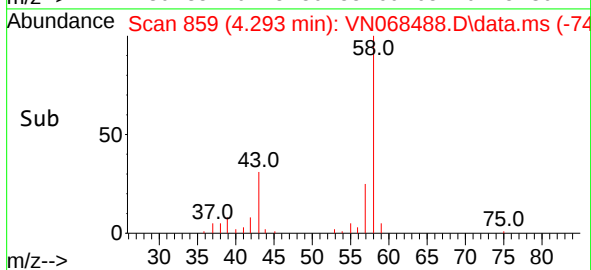
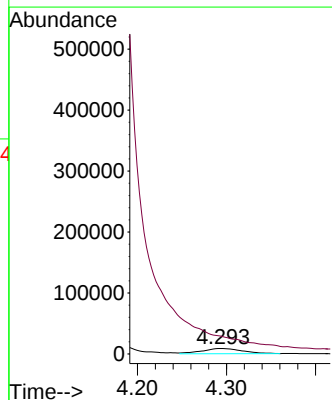
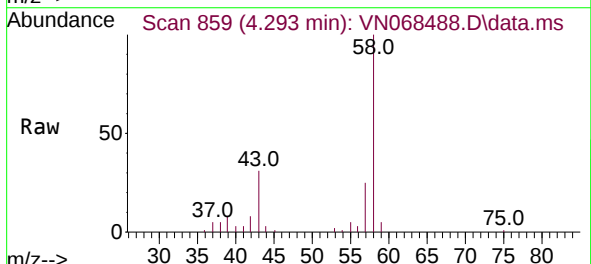
Instrument :
MSVOA_N
ClientSampled :
31202

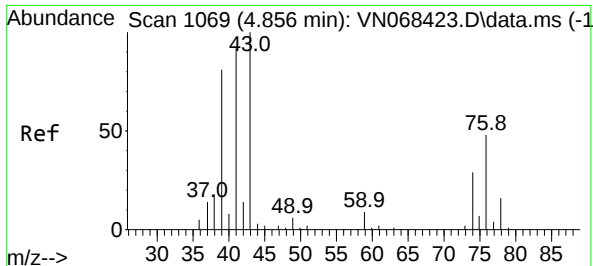
Tgt Ion: 56 Resp: 16146
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#



#16
Acetone
Concen: 16.432 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 43 Resp: 26710
Ion Ratio Lower Upper
43 100
58 200.9 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.835 min Scan# 1061

Delta R.T. -0.021 min

Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

Instrument :

MSVOA_N

ClientSampled :

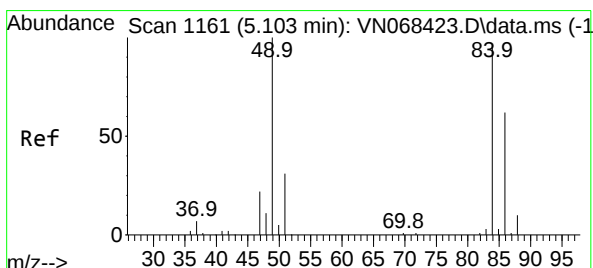
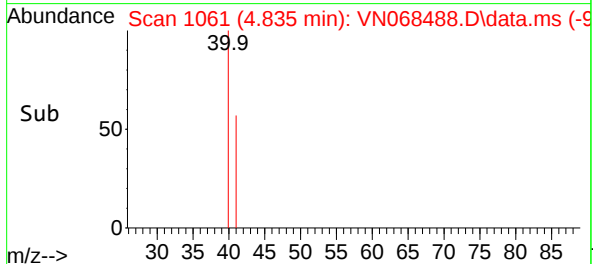
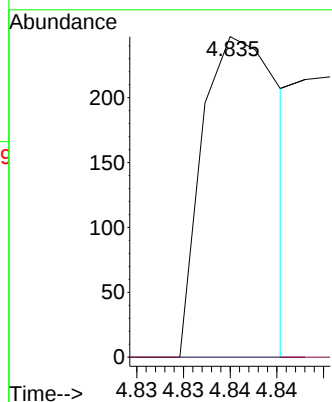
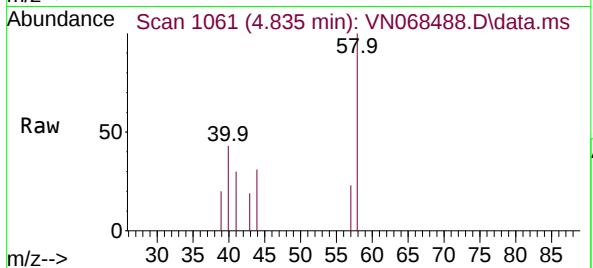
31202

Tgt Ion: 43 Resp: 143

Ion Ratio Lower Upper

43 100

74 0.0 23.5 35.3#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.106 min Scan# 1162

Delta R.T. 0.003 min

Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

Tgt Ion: 84 Resp: 164

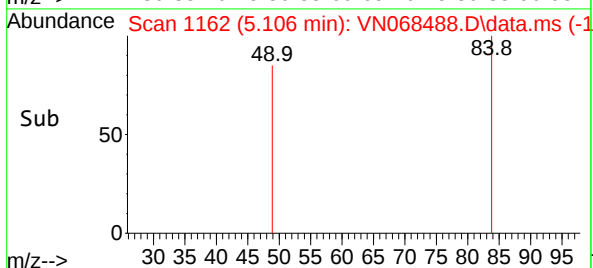
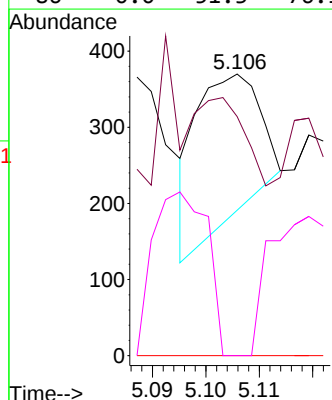
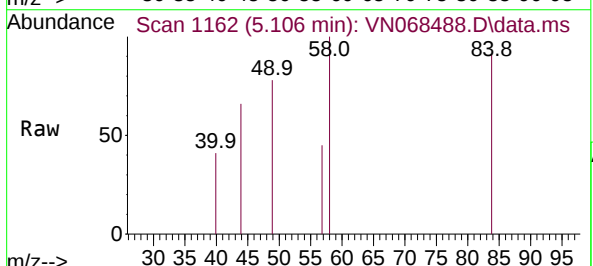
Ion Ratio Lower Upper

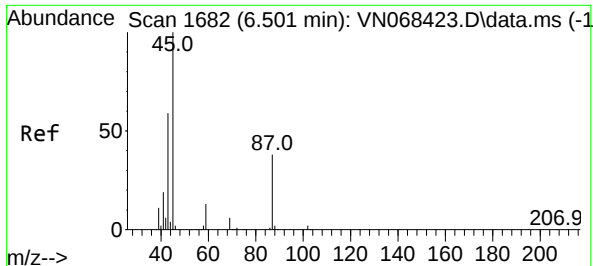
84 100

49 63.0 83.0 124.6#

51 0.0 25.4 38.0#

86 0.0 51.3 76.9#





#22

Diisopropyl ether

Concen: 0.458 ug/l

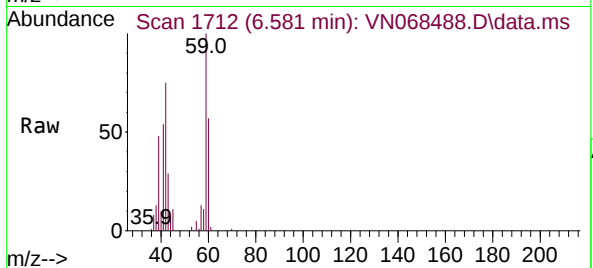
RT: 6.581 min Scan# 1712

Delta R.T. 0.080 min

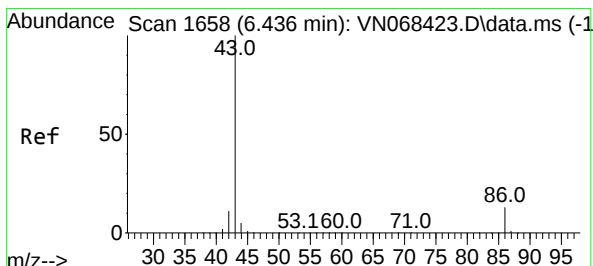
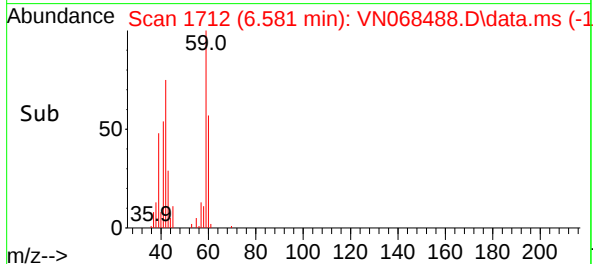
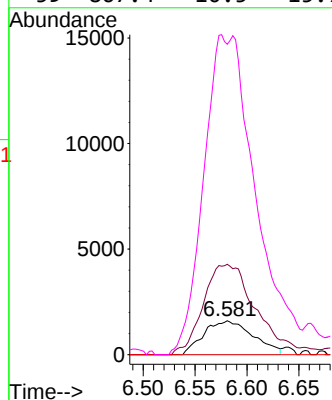
Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

Instrument :
MSVOA_N
ClientSampled :
31202



Tgt Ion	Ratio	Lower	Upper
45	100		
43	245.7	47.1	70.7#
87	0.0	30.9	46.3#
59	867.4	10.5	15.7#



#23

Vinyl Acetate

Concen: 1.727 ug/l

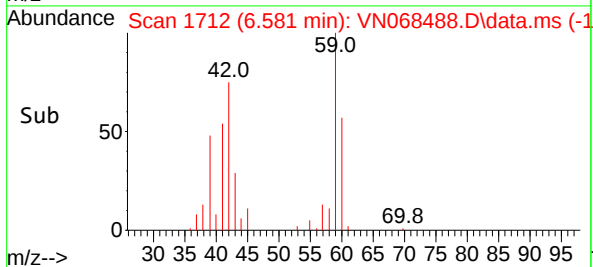
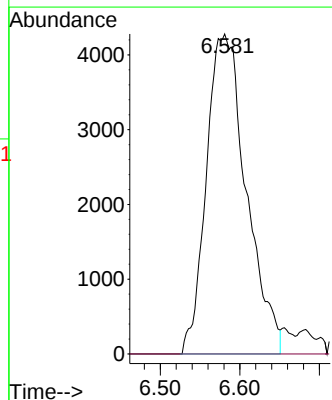
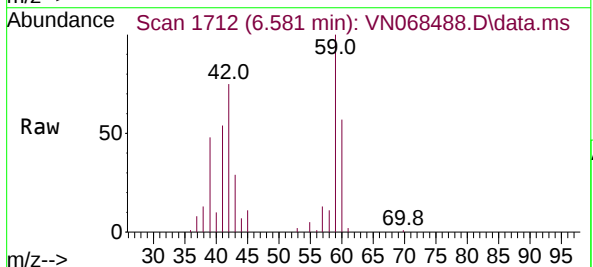
RT: 6.581 min Scan# 1712

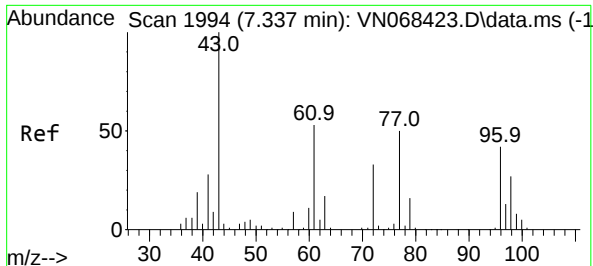
Delta R.T. 0.145 min

Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

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

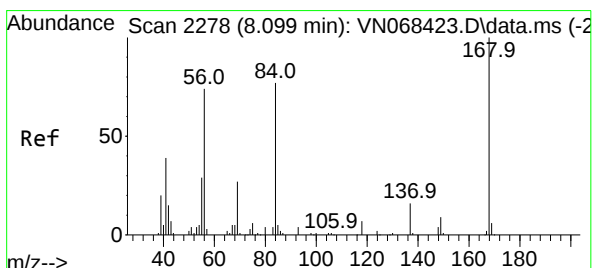
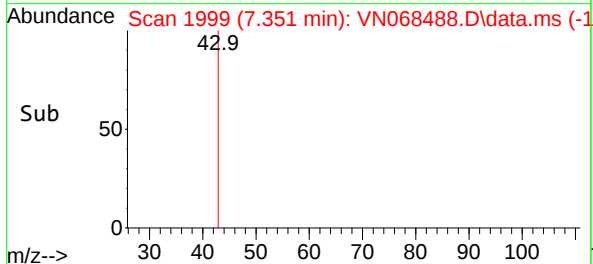
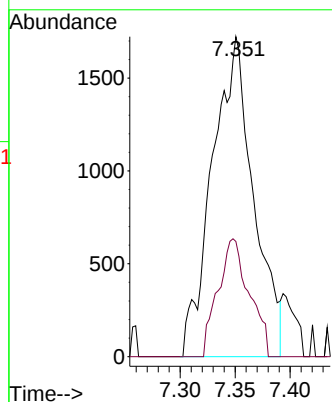
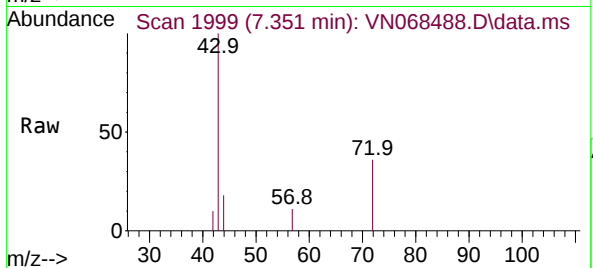




#25
2-Butanone
Concen: 1.883 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.013 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

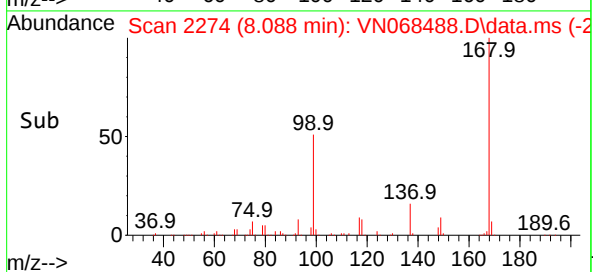
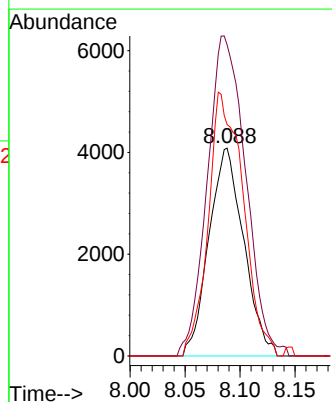
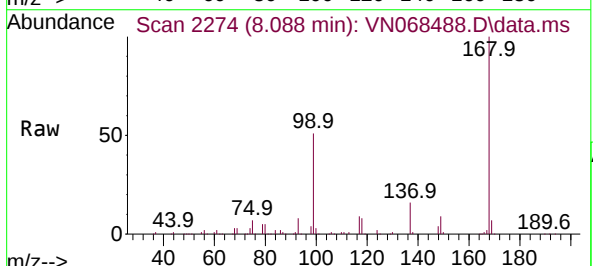
Instrument :
MSVOA_N
ClientSampled :
31202

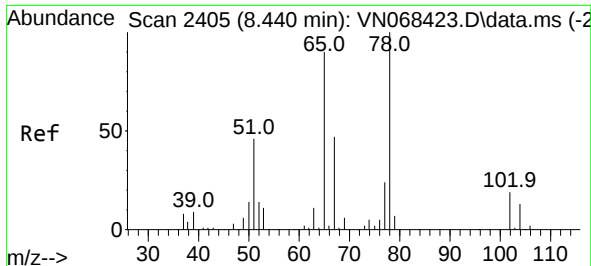
Tgt Ion: 43 Resp: 4494
Ion Ratio Lower Upper
43 100
72 36.0 26.7 40.1



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 56 Resp: 8986
Ion Ratio Lower Upper
56 100
69 145.8 29.4 44.0#
84 111.3 83.6 125.4



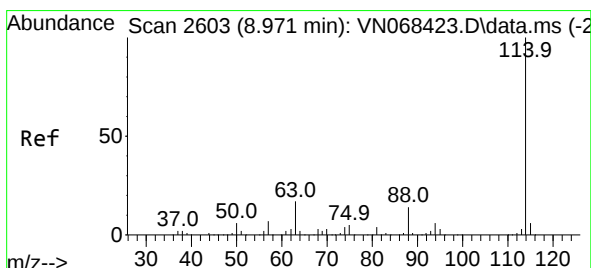
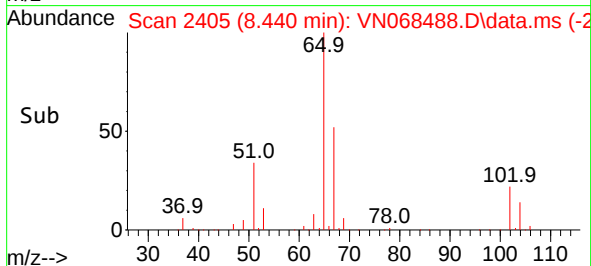
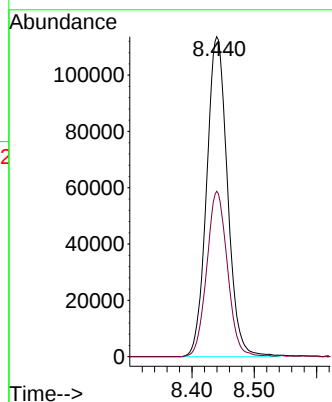
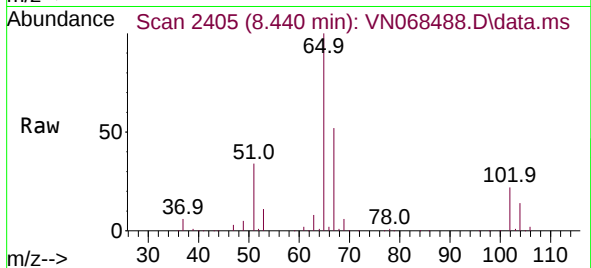


#33

1,2-Dichloroethane-d4
Concen: 53.860 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Instrument :
MSVOA_N
ClientSampled :
31202

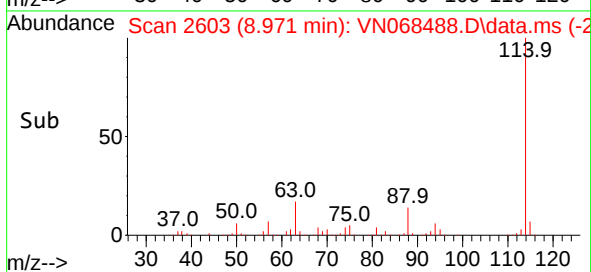
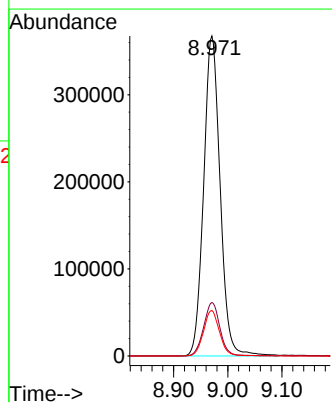
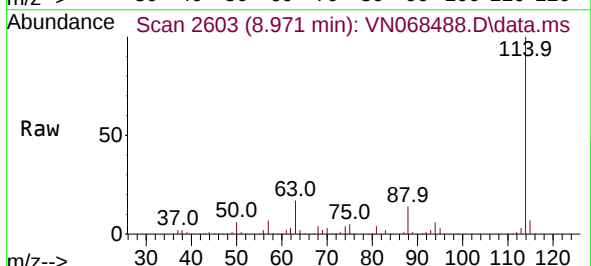
Tgt Ion: 65 Resp: 264566
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

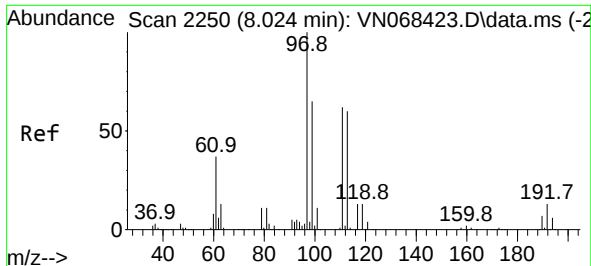


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 114 Resp: 776171
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.2
88 14.2 0.0 28.4

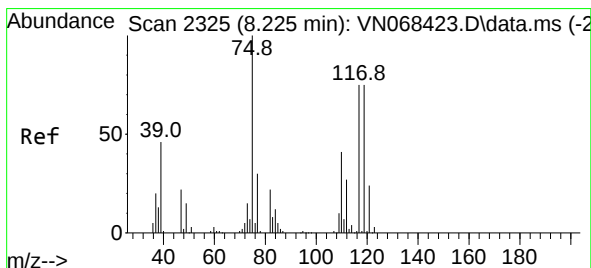
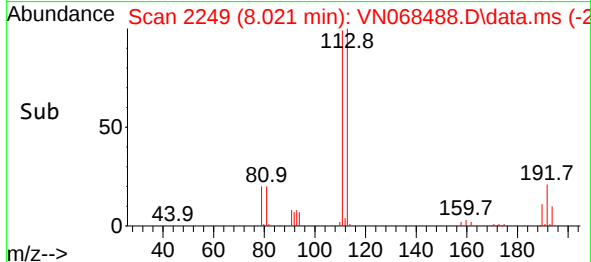
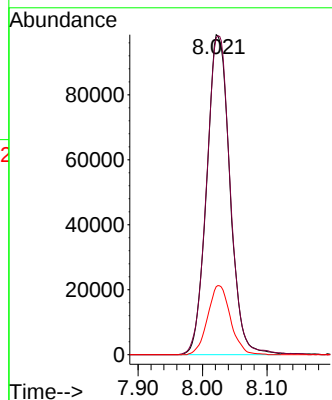
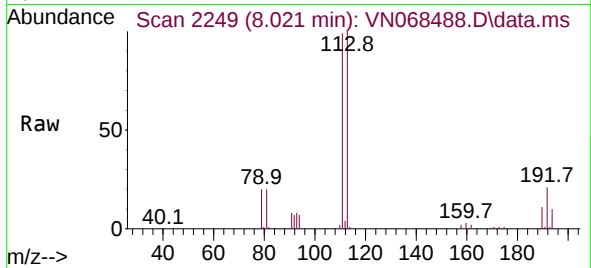




#35
Dibromofluoromethane
Concen: 52.576 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. -0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

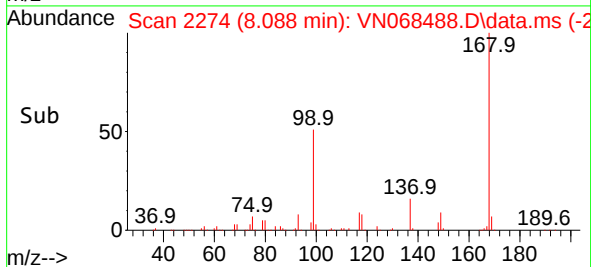
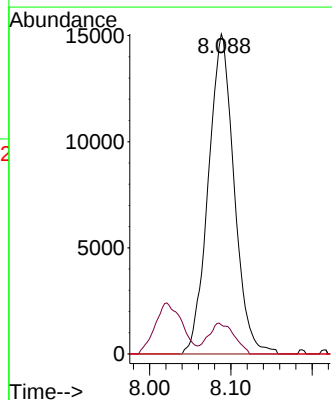
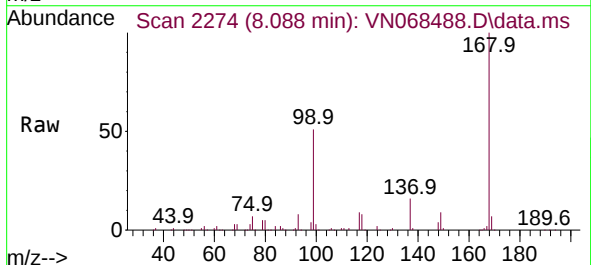
Instrument :
MSVOA_N
ClientSampled :
31202

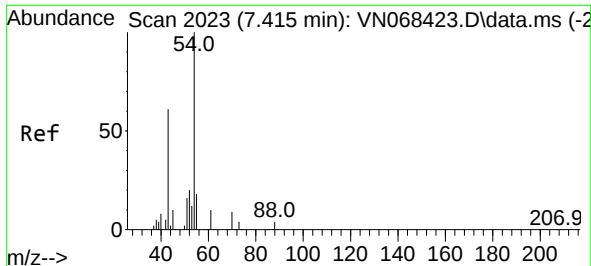
Tgt Ion:113 Resp: 246123
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 21.2 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.148 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 75 Resp: 33313
Ion Ratio Lower Upper
75 100
110 9.8 20.8 62.5#
77 0.0 25.0 37.6#





#37

Ethyl Acetate

Concen: 0.913 ug/l

RT: 7.351 min Scan# 1999

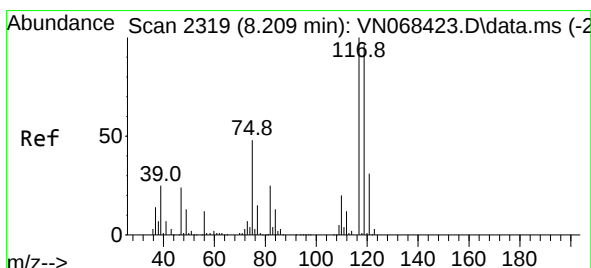
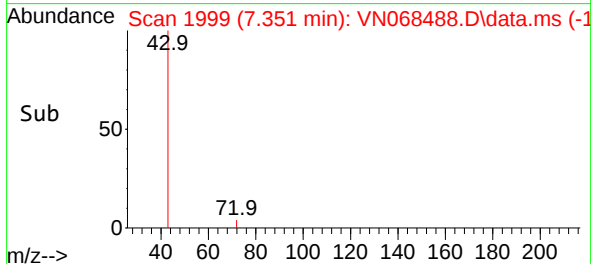
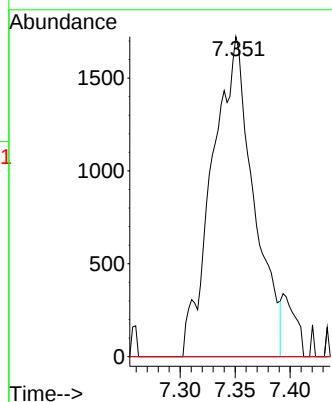
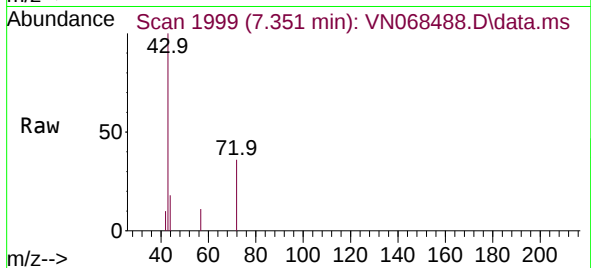
Delta R.T. -0.064 min

Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

Instrument :
MSVOA_N
ClientSampled :
31202

Tgt Ion:	43	Resp:	4494
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	0.0	9.6	14.4#



#38

Carbon Tetrachloride

Concen: 6.349 ug/l

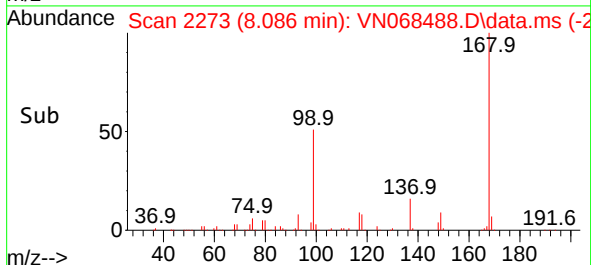
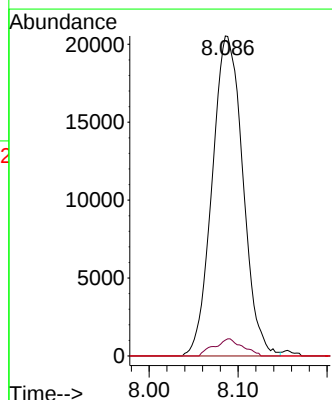
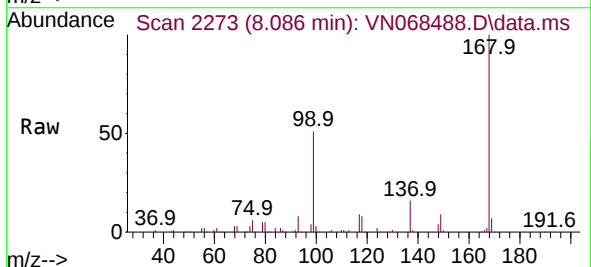
RT: 8.086 min Scan# 2273

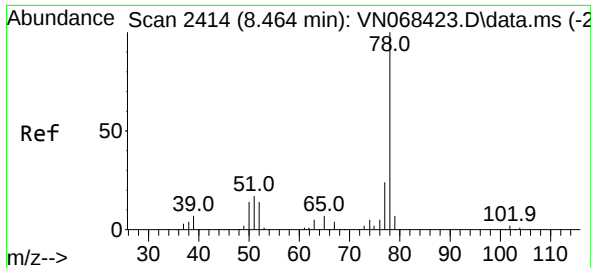
Delta R.T. -0.123 min

Lab File: VN068488.D

Acq: 15 Sep 2021 16:59

Tgt Ion:	117	Resp:	49216
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.6	114.8#
121	0.0	24.5	36.7#

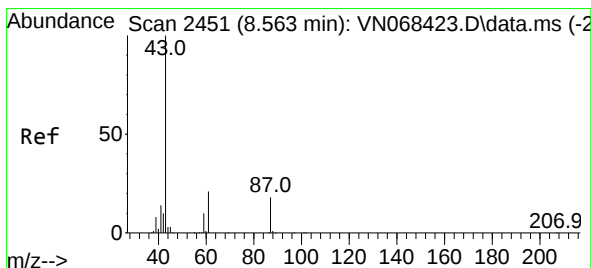
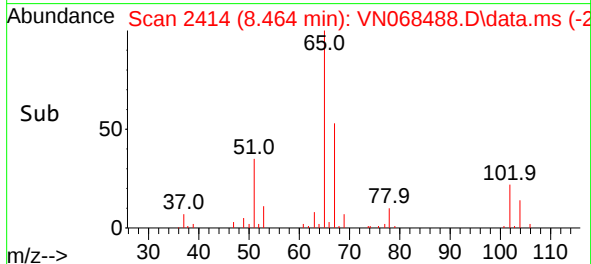
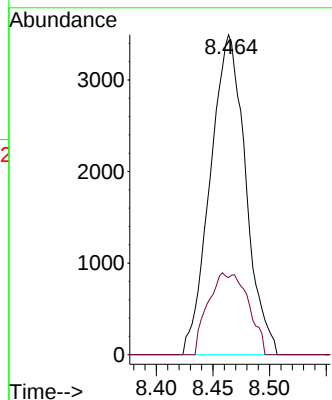
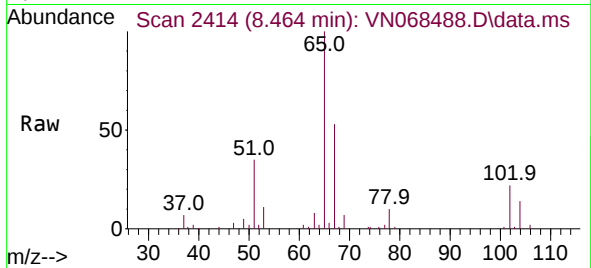




#40
Benzene
Concen: 0.396 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

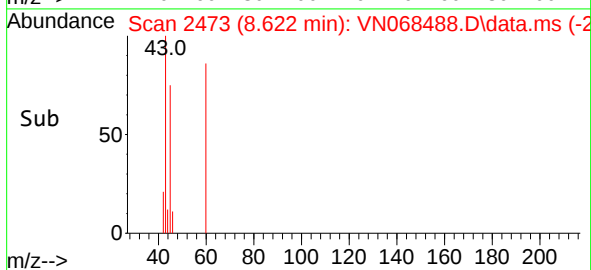
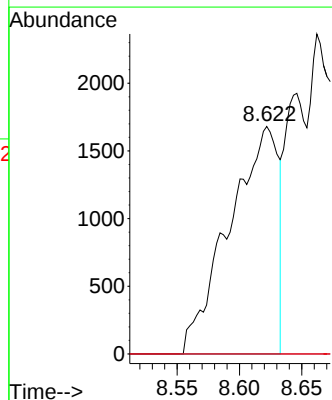
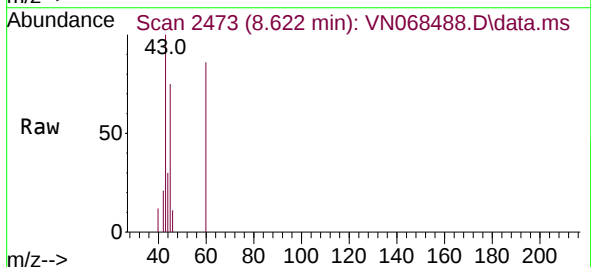
Instrument :
MSVOA_N
ClientSampled :
31202

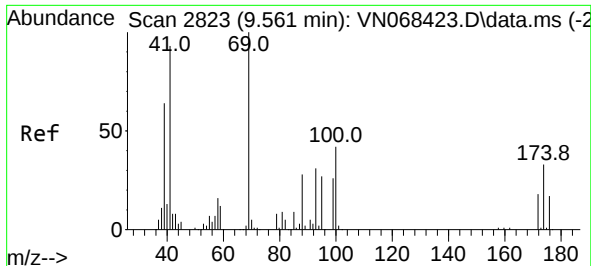
Tgt Ion: 78 Resp: 7578
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9



#43
Isopropyl Acetate
Concen: 0.530 ug/l
RT: 8.622 min Scan# 2473
Delta R.T. 0.059 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 43 Resp: 4602
Ion Ratio Lower Upper
43 100
61 0.0 23.3 34.9#
87 0.0 13.8 20.6#

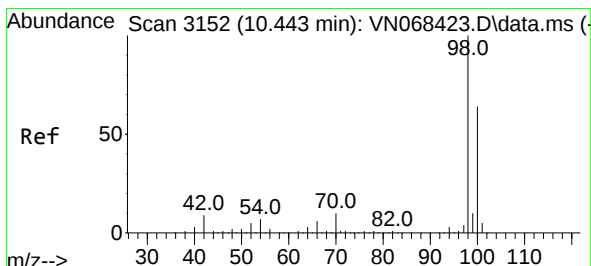
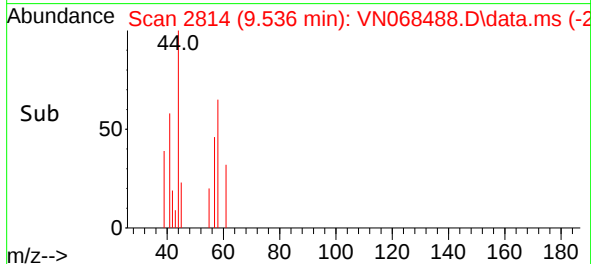
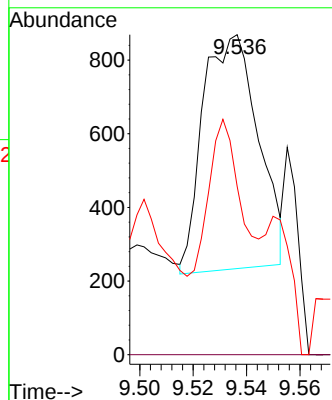
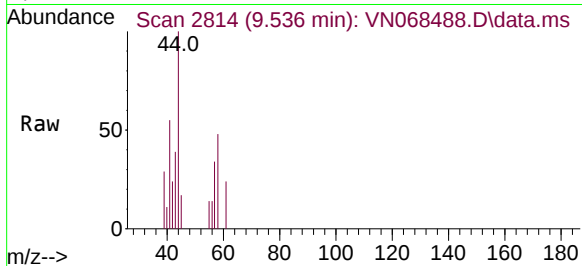




#48
Methyl methacrylate
Concen: 0.252 ug/l
RT: 9.536 min Scan# 2814
Delta R.T. -0.024 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

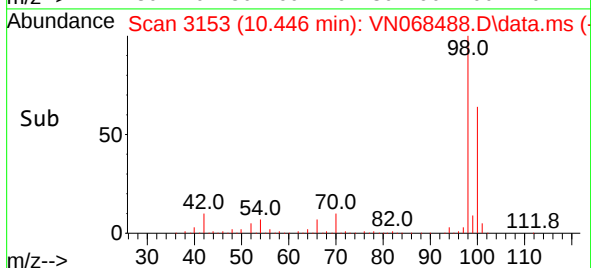
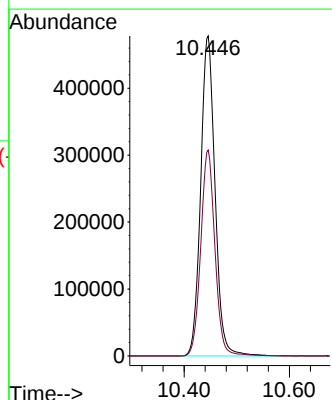
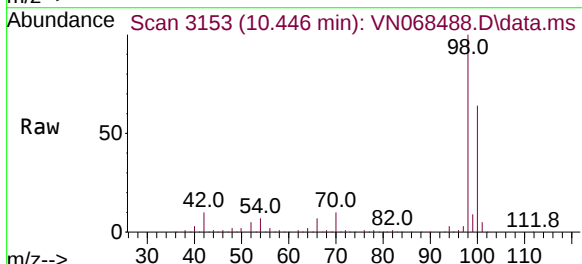
Instrument :
MSVOA_N
ClientSampled :
31202

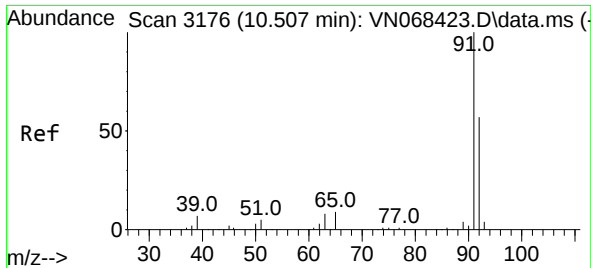
Tgt Ion: 41 Resp: 915
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 38.4 50.3 75.5#



#50
Toluene-d8
Concen: 53.192 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 98 Resp: 904515
Ion Ratio Lower Upper
98 100
100 63.6 51.0 76.6

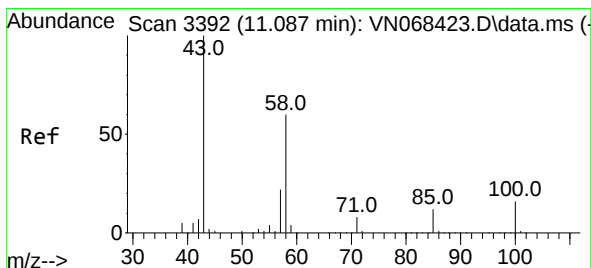
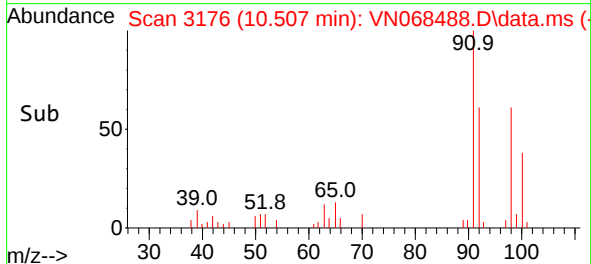
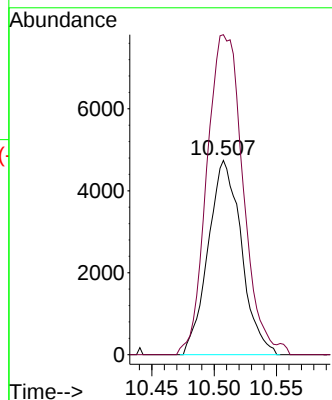
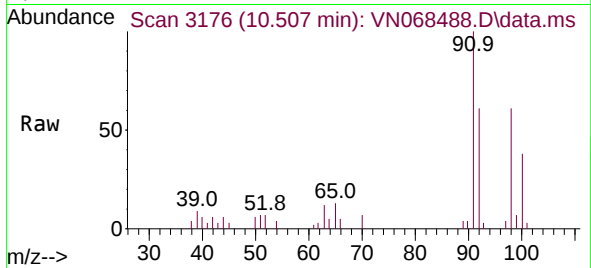




#52
Toluene
Concen: 0.693 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

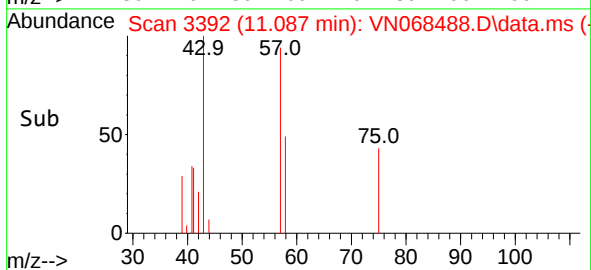
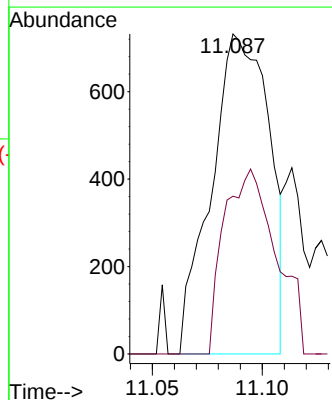
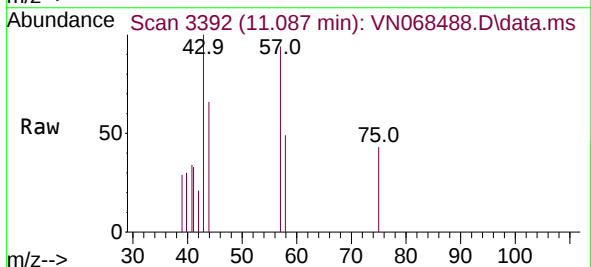
Instrument :
MSVOA_N
ClientSampled :
31202

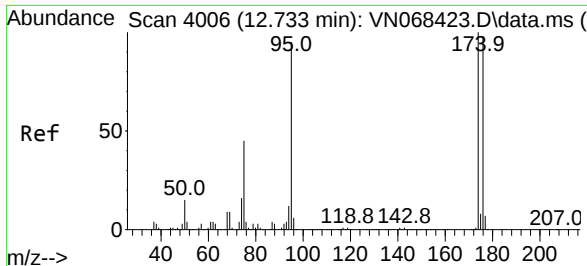
Tgt Ion: 92 Resp: 8805
Ion Ratio Lower Upper
92 100
91 179.1 139.4 209.0



#59
2-Hexanone
Concen: 0.404 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 43 Resp: 1341
Ion Ratio Lower Upper
43 100
58 51.8 30.0 90.1

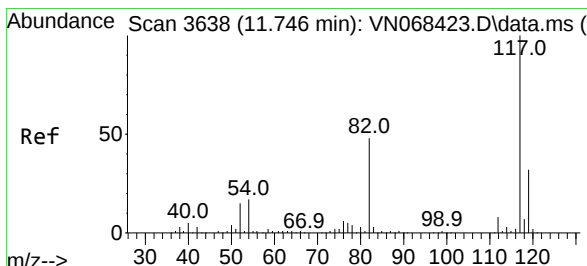
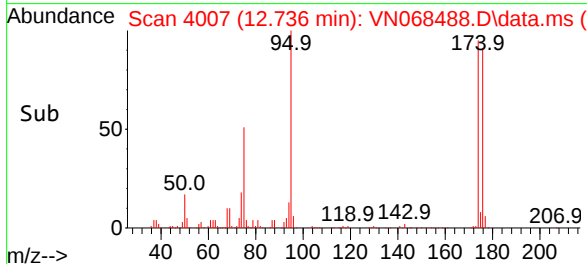
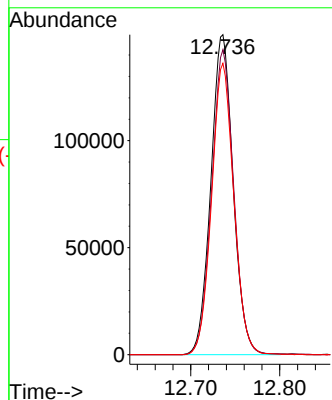
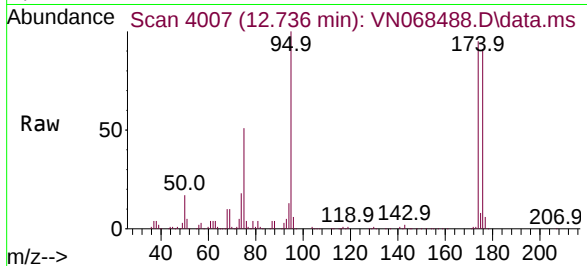




#62
4-Bromofluorobenzene
Concen: 47.796 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

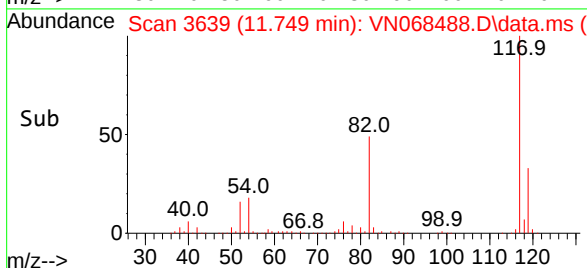
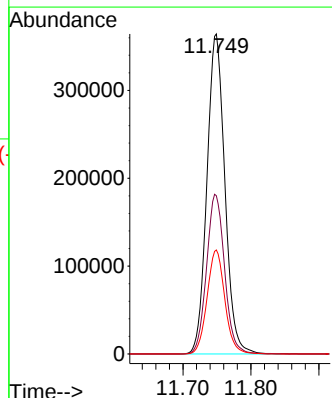
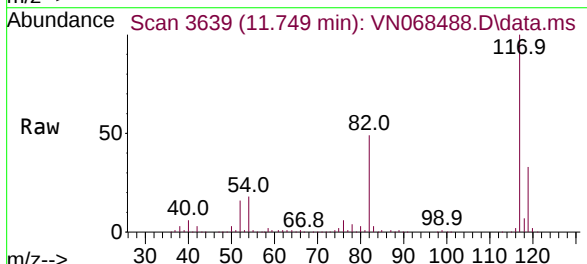
Instrument :
MSVOA_N
ClientSampled :
31202

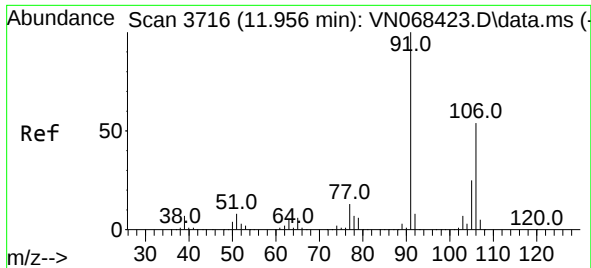
Tgt Ion: 95 Resp: 260071
Ion Ratio Lower Upper
95 100
174 94.4 0.0 214.0
176 90.5 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 117 Resp: 667924
Ion Ratio Lower Upper
117 100
82 49.4 38.7 58.1
119 32.5 25.5 38.3

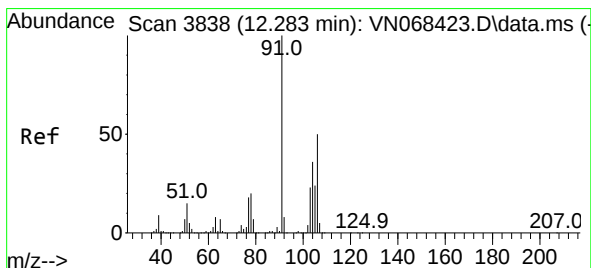
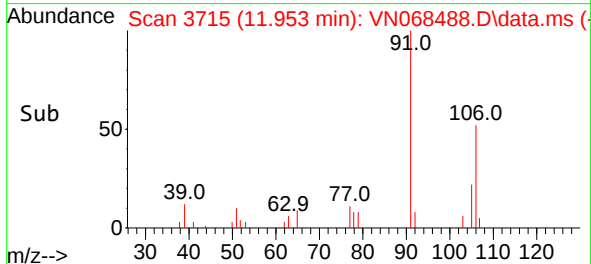
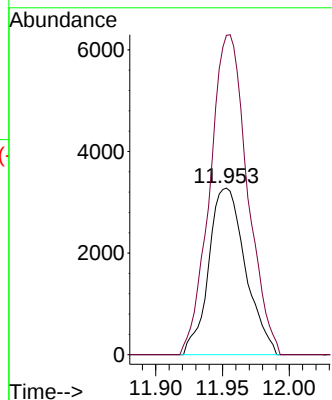
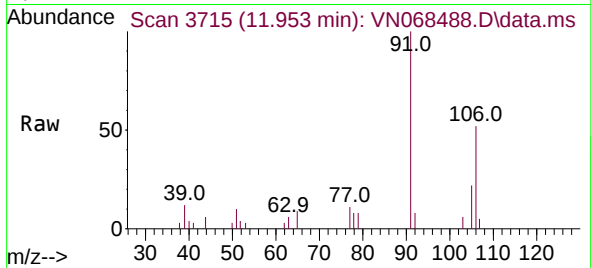




#68
m/p-Xylenes
Concen: 0.693 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. -0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

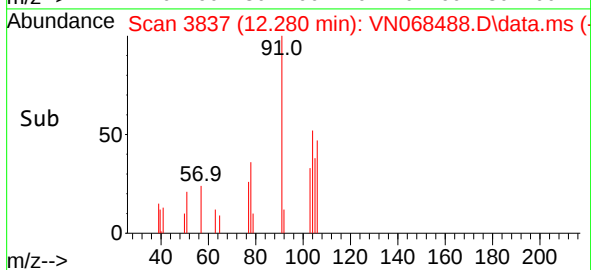
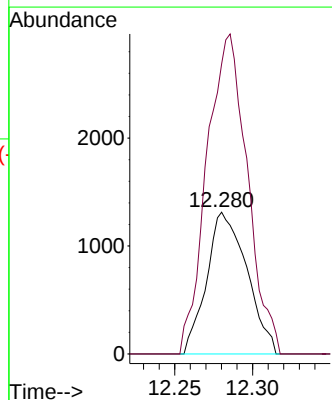
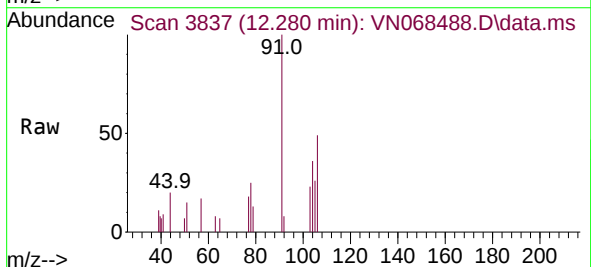
Instrument :
MSVOA_N
ClientSampled :
31202

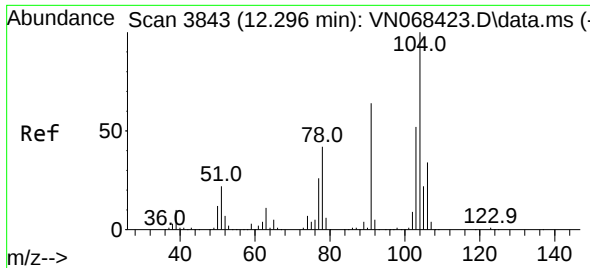
Tgt Ion:106 Resp: 6266
Ion Ratio Lower Upper
106 100
91 196.6 149.5 224.3



#69
o-Xylene
Concen: 0.267 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion:106 Resp: 2354
Ion Ratio Lower Upper
106 100
91 227.2 99.3 297.8

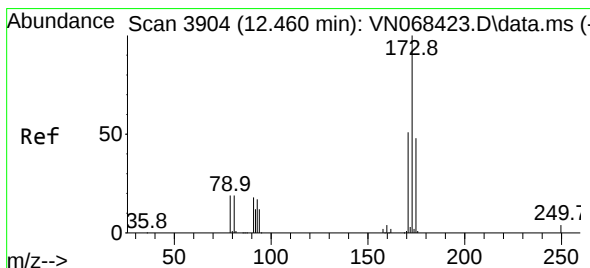
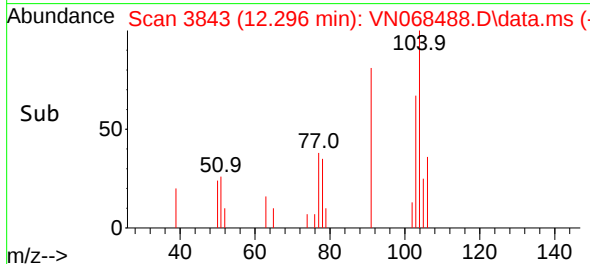
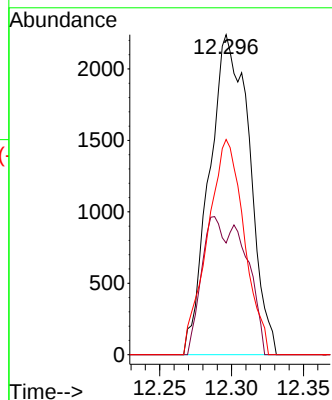
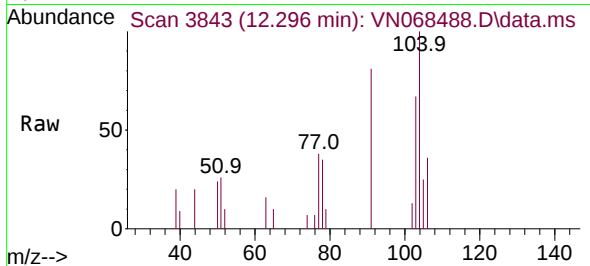




#70
Styrene
Concen: 0.325 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. -0.000 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

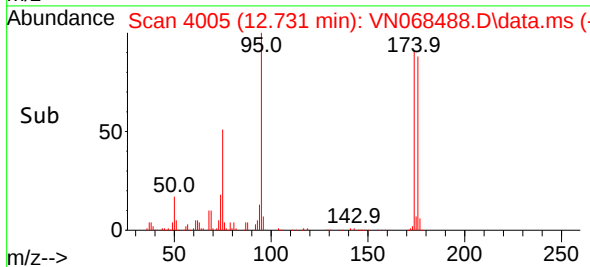
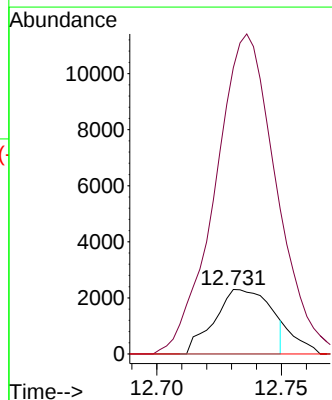
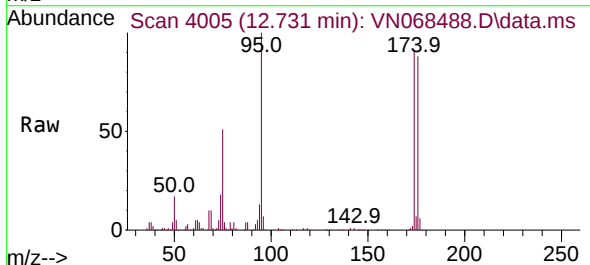
Instrument :
MSVOA_N
ClientSampled :
31202

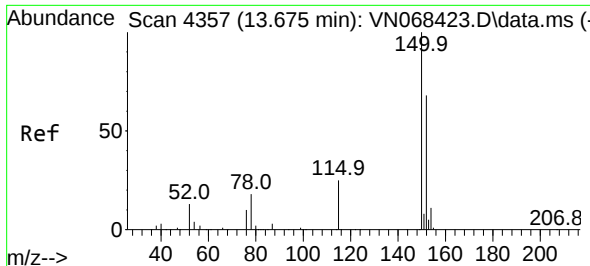
Tgt Ion:104 Resp: 4340
Ion Ratio Lower Upper
104 100
78 25.4 36.2 54.2#
103 61.6 44.4 66.6



#71
Bromoform
Concen: 0.869 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

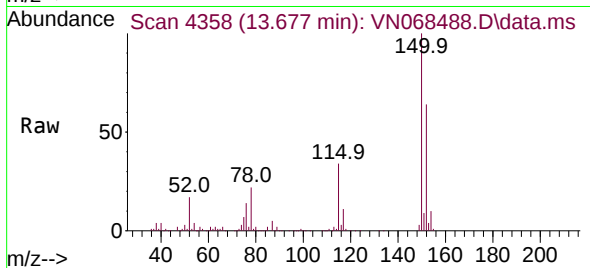
Tgt Ion:173 Resp: 3594
Ion Ratio Lower Upper
173 100
175 485.4 24.1 72.3#
254 0.0 0.0 0.0



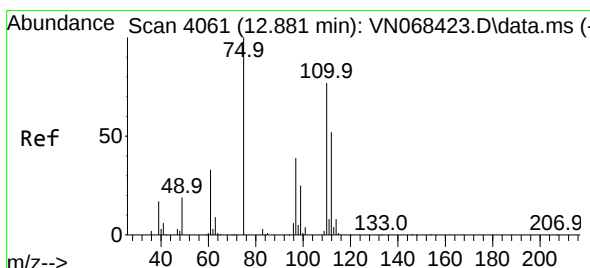
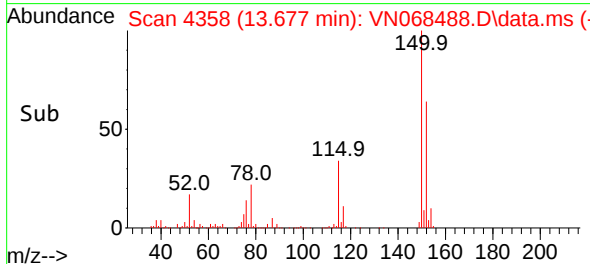
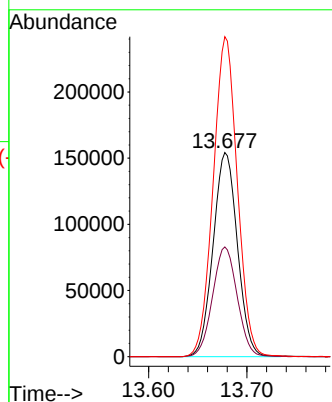


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Instrument :
MSVOA_N
ClientSampled :
31202

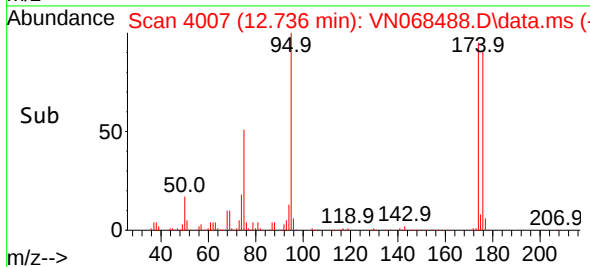
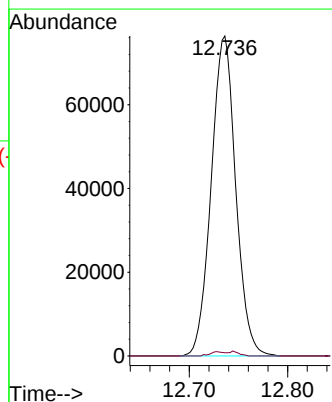
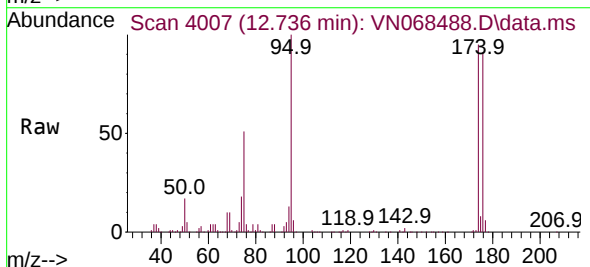


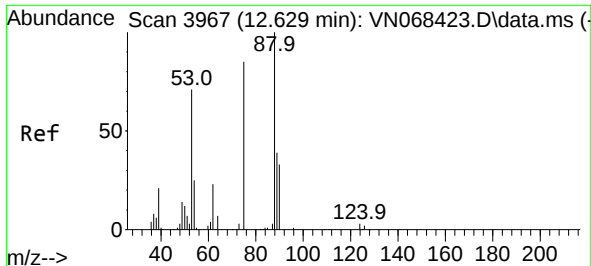
Tgt Ion:152 Resp: 264904
Ion Ratio Lower Upper
152 100
115 54.5 25.6 76.6
150 155.9 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 31.656 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 75 Resp: 132375
Ion Ratio Lower Upper
75 100
77 0.6 100.9 302.7#

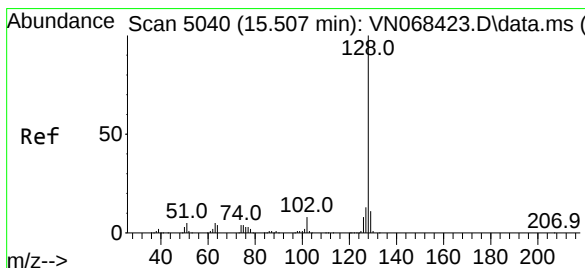
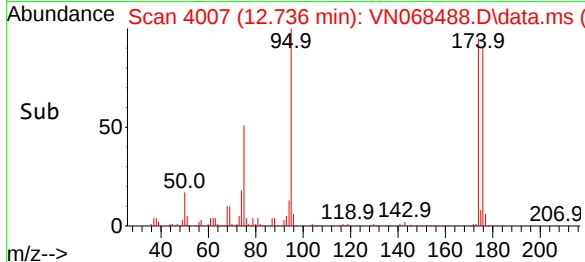
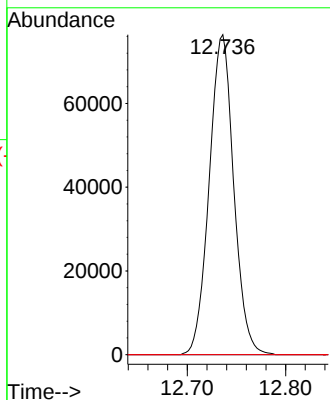
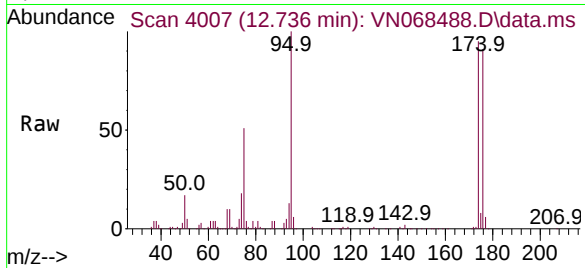




#81
trans-1,4-Dichloro-2-butene
Concen: 110.745 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Instrument :
MSVOA_N
ClientSampled :
31202

Tgt Ion: 75 Resp: 132375
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 4.478 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068488.D
Acq: 15 Sep 2021 16:59

Tgt Ion: 128 Resp: 11063
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 9.0 8.6 13.0

