

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090921\
 Data File : VN068444.D
 Acq On : 9 Sep 2021 16:09
 Operator : JC/MD
 Sample : PB138981ZHE#13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138981ZHE#13

Quant Time: Sep 10 04:10:34 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)

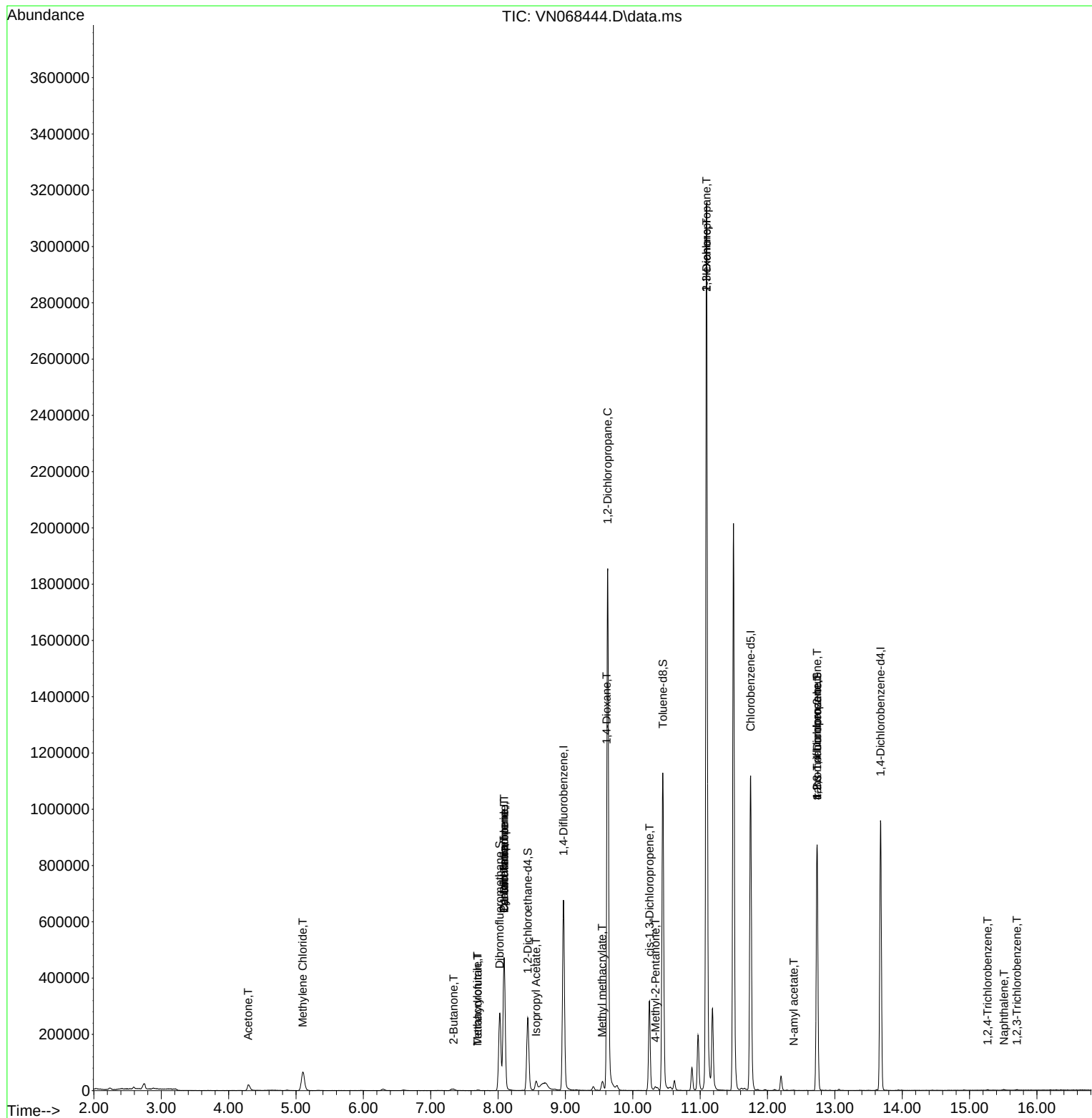
Internal Standards						
1) Pentafluorobenzene	8.091	168	397691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	652203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	733174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	286877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	221060	60.597	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 121.200%			
35) Dibromofluoromethane	8.024	113	204263	51.927	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.860%			
50) Toluene-d8	10.446	98	845979	59.206	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 118.420%			
62) 4-Bromofluorobenzene	12.736	95	296643	64.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 129.760%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.369	59	619	Below Cal	#	84
16) Acetone	4.291	43	39086	32.378	ug/l	91
18) Methyl Acetate	4.864	43	3722	Below Cal	#	49
20) Methylene Chloride	5.100	84	59343	16.511	ug/l	98
25) 2-Butanone	7.340	43	3388	1.911	ug/l	100
29) Tetrahydrofuran	7.697	42	818	0.707	ug/l	# 84
31) Cyclohexane	8.088	56	6910	1.250	ug/l	# 28
36) 1,1-Dichloropropene	8.091	75	25817	4.748	ug/l	# 48
38) Carbon Tetrachloride	8.091	117	36624	5.622	ug/l	# 17
41) Methacrylonitrile	7.691	41	782	0.384	ug/l	# 23
43) Isopropyl Acetate	8.566	43	39671	5.436	ug/l	# 82
45) 1,2-Dichloropropane	9.628	63	2459	0.640	ug/l	# 44
48) Methyl methacrylate	9.544	41	8455	2.775	ug/l	# 6
49) 1,4-Dioxane	9.614	88	25	0.358	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.336	43	4963	1.191	ug/l	# 60
54) cis-1,3-Dichloropropene	10.247	75	63397	10.289	ug/l	# 68
57) 1,3-Dichloropropane	11.095	76	36474	5.585	ug/l	# 42
59) 2-Hexanone	11.095	43	448868	160.895	ug/l	# 47
74) N-amyl acetate	12.390	43	1203	0.264	ug/l	# 43
76) 1,2,3-Trichloropropane	12.736	75	148081	32.700	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.736	75	148081	114.396	ug/l	# 13
93) 1,2,4-Trichlorobenzene	15.268	180	1026	0.238	ug/l	# 72
95) Naphthalene	15.509	128	3309	3.767	ug/l	# 82
96) 1,2,3-Trichlorobenzene	15.702	180	923	0.224	ug/l	# 85

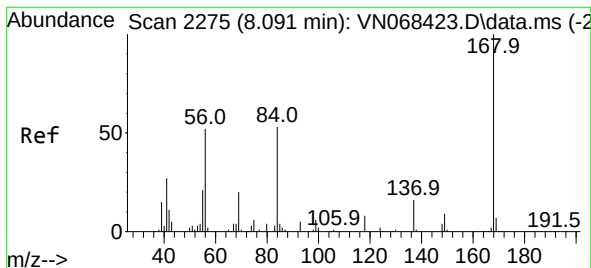
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068444.D

Acq: 9 Sep 2021 16:09

Tgt Ion:168 Resp: 397691

Ion Ratio Lower Upper

168 100

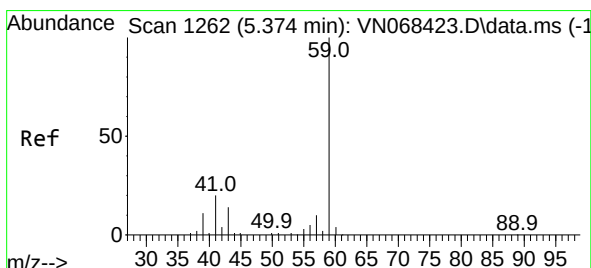
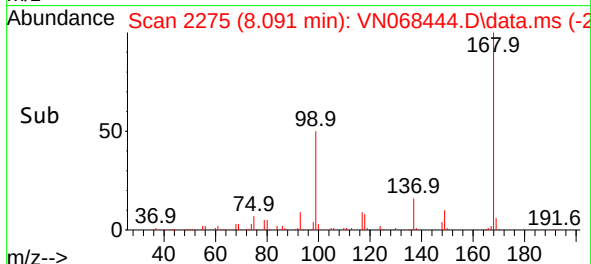
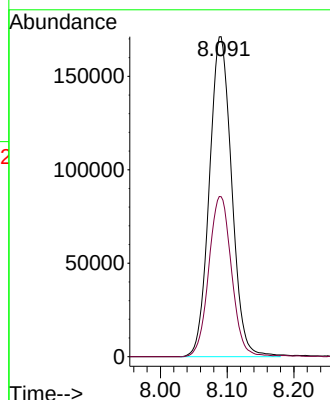
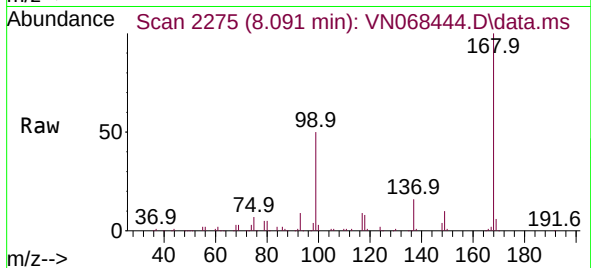
99 50.0 38.2 57.4

Instrument :

MSVOA_N

ClientSampleId :

PB138981ZHE#13



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.369 min Scan# 1260

Delta R.T. -0.005 min

Lab File: VN068444.D

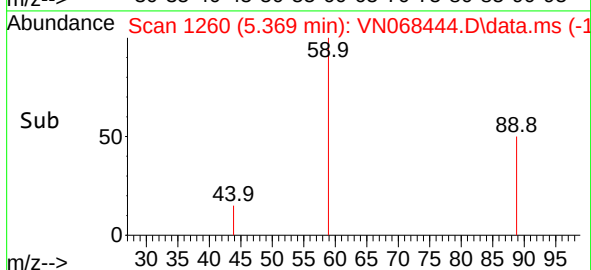
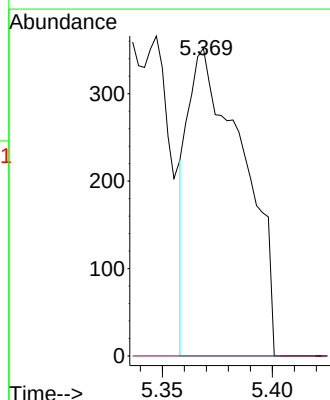
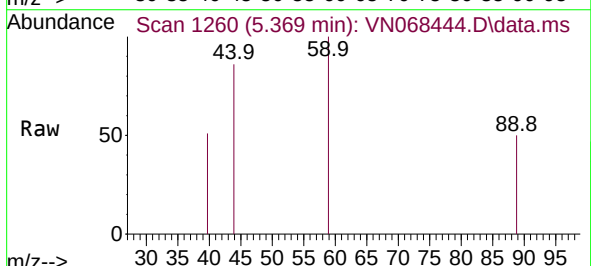
Acq: 9 Sep 2021 16:09

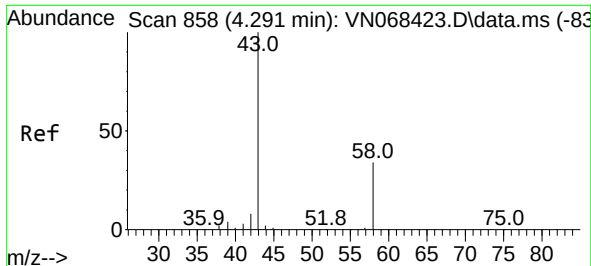
Tgt Ion: 59 Resp: 619

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#

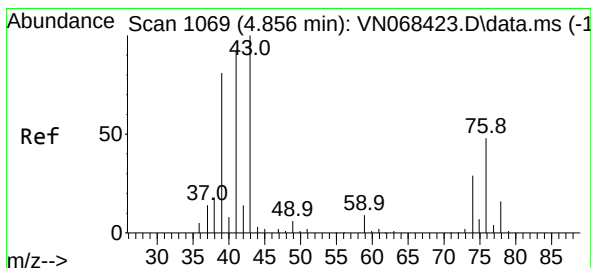
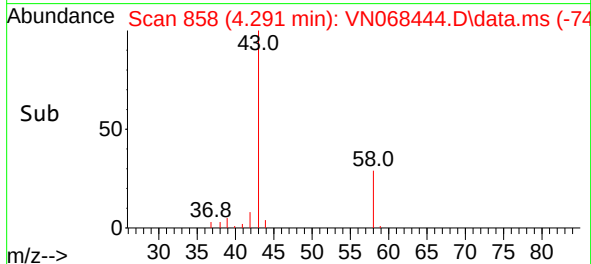
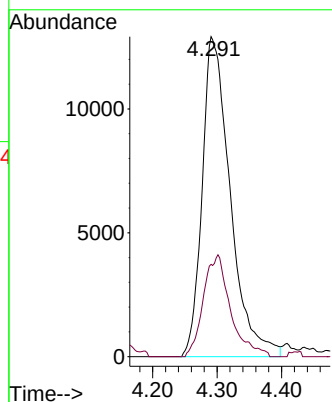
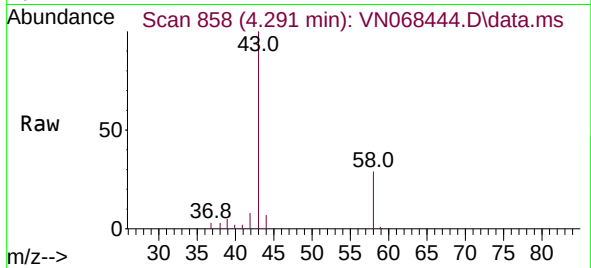




#16
Acetone
Concen: 32.378 ug/l
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

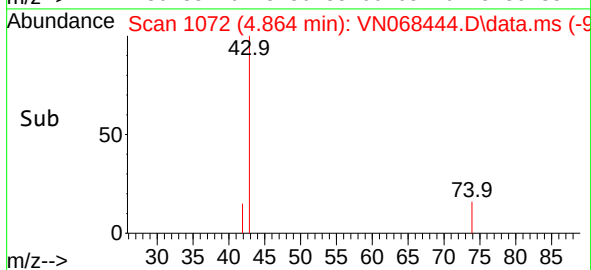
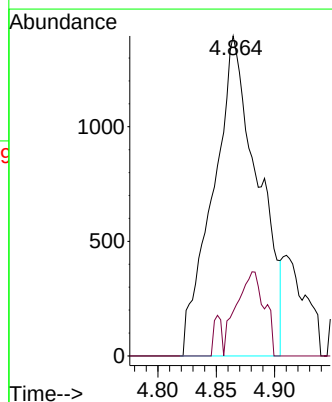
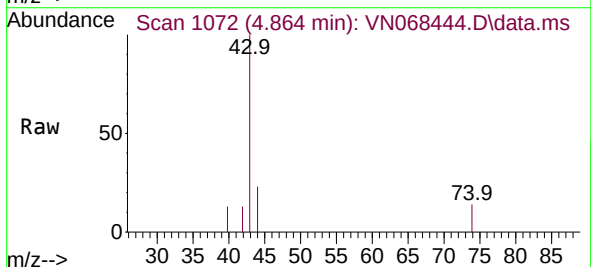
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

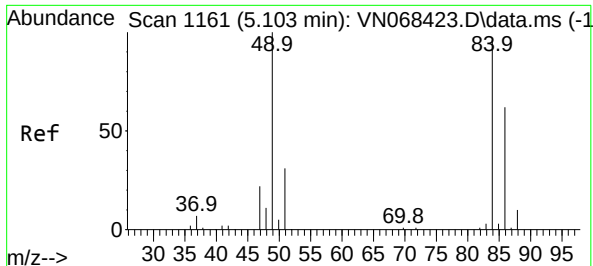
Tgt Ion: 43 Resp: 39086
Ion Ratio Lower Upper
43 100
58 28.9 27.0 40.6



#18
Methyl Acetate
Concen: Below Cal
RT: 4.864 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 43 Resp: 3722
Ion Ratio Lower Upper
43 100
74 2.1 23.5 35.3#



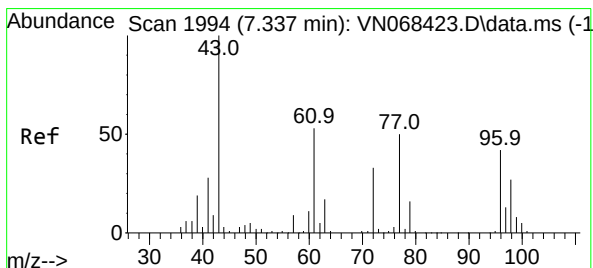
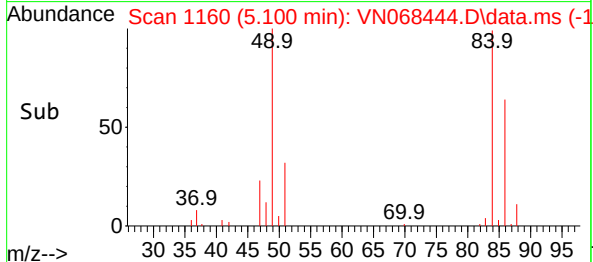
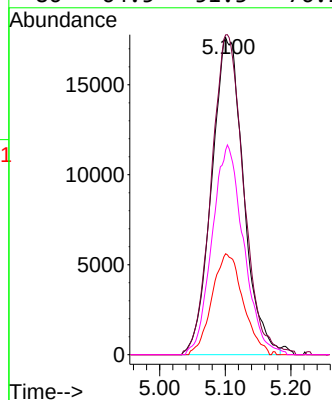
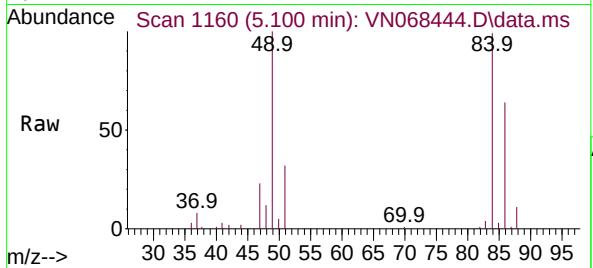


#20
Methylene Chloride
Concen: 16.511 ug/l
RT: 5.100 min Scan# 1160
Delta R.T. -0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

Tgt Ion: 84 Resp: 59343

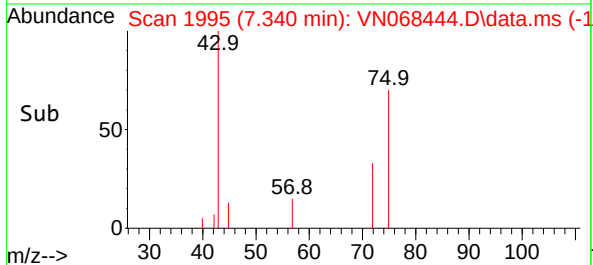
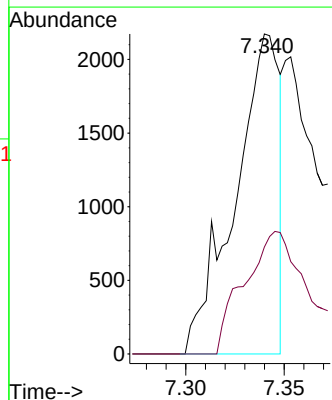
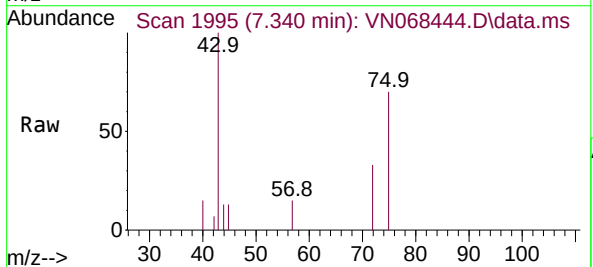
Ion	Ratio	Lower	Upper
84	100		
49	100.8	83.0	124.6
51	31.8	25.4	38.0
86	64.5	51.3	76.9

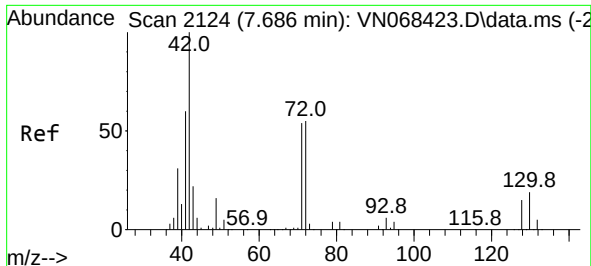


#25
2-Butanone
Concen: 1.911 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 43 Resp: 3388

Ion	Ratio	Lower	Upper
43	100		
72	33.4	26.7	40.1





#29

Tetrahydrofuran

Concen: 0.707 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.011 min

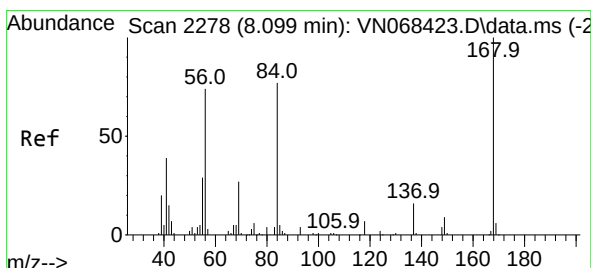
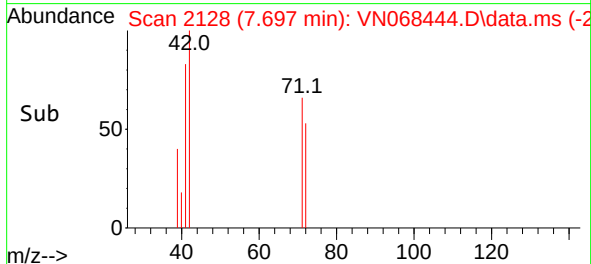
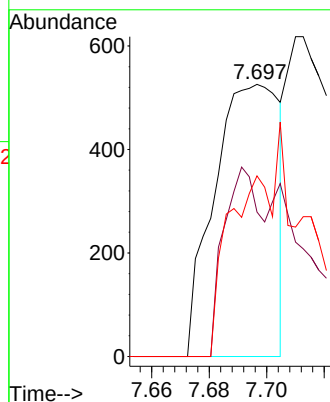
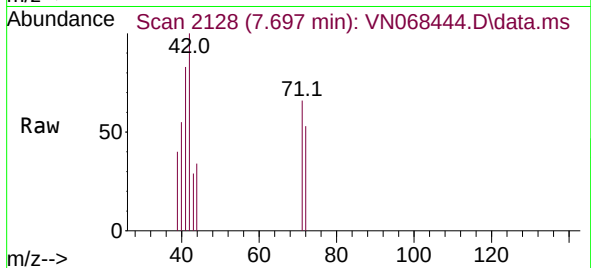
Lab File: VN068444.D

Acq: 9 Sep 2021 16:09

Tgt Ion: 42 Resp: 818

Ion	Ratio	Lower	Upper
42	100		
72	40.2	44.4	66.6#
71	44.9	42.3	63.5

Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13



#31

Cyclohexane

Concen: 1.250 ug/l

RT: 8.088 min Scan# 2274

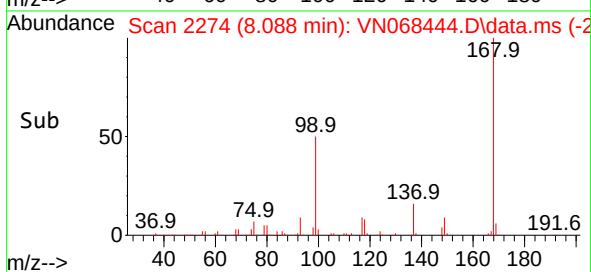
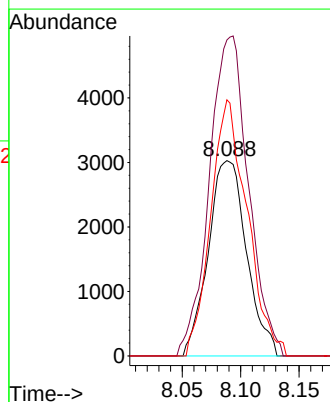
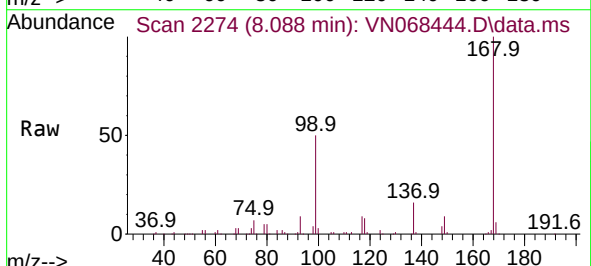
Delta R.T. -0.011 min

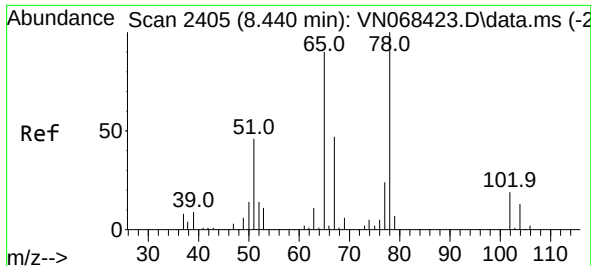
Lab File: VN068444.D

Acq: 9 Sep 2021 16:09

Tgt Ion: 56 Resp: 6910

Ion	Ratio	Lower	Upper
56	100		
69	156.3	29.4	44.0#
84	131.1	83.6	125.4#

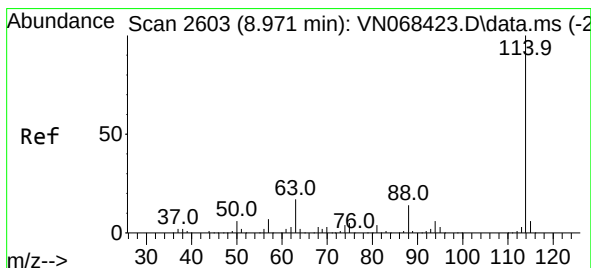
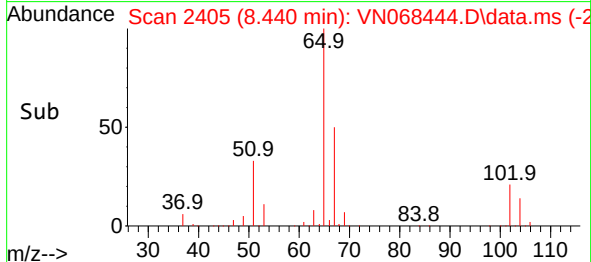
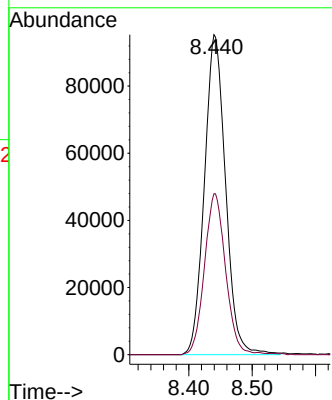
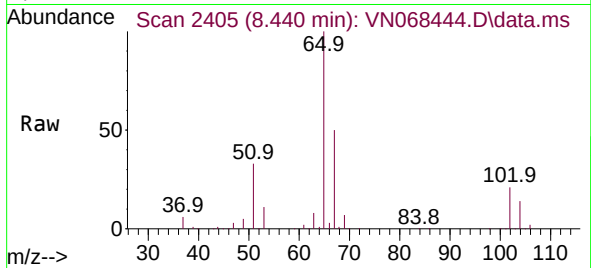




#33
 1,2-Dichloroethane-d4
 Concen: 60.597 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068444.D
 Acq: 9 Sep 2021 16:09

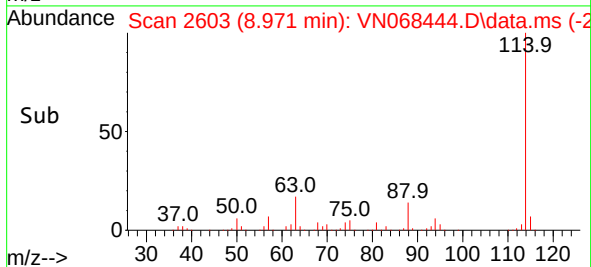
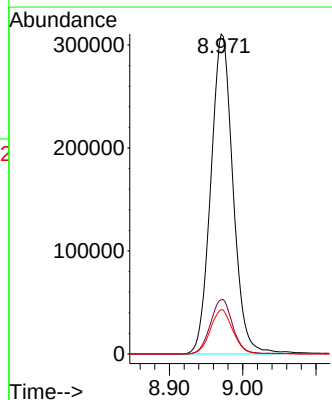
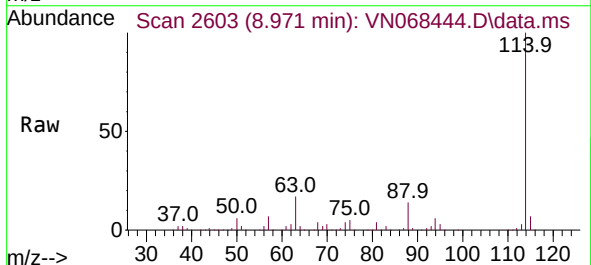
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138981ZHE#13

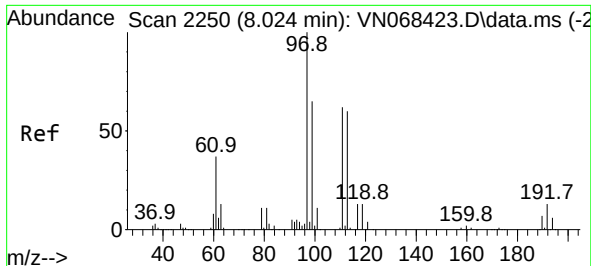
Tgt Ion: 65 Resp: 221060
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068444.D
 Acq: 9 Sep 2021 16:09

Tgt Ion: 114 Resp: 652203
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.2
 88 13.8 0.0 28.4

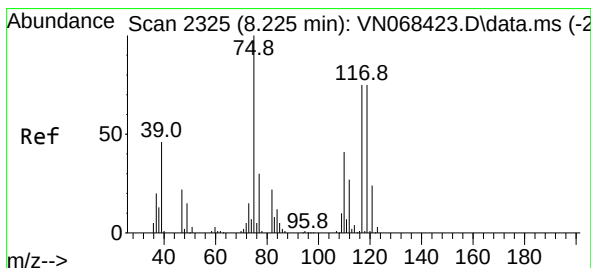
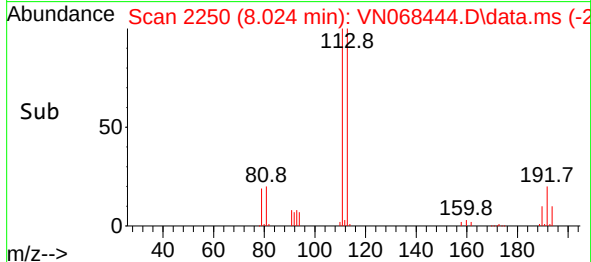
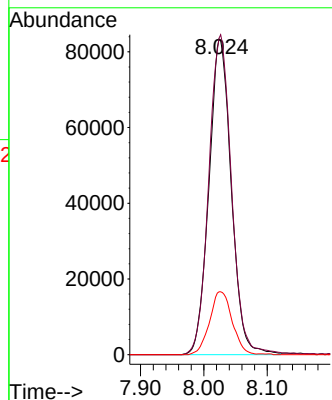
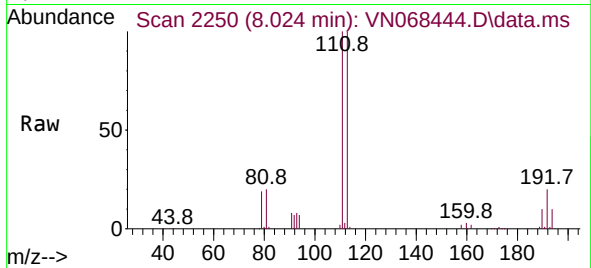




#35
Dibromofluoromethane
Concen: 51.927 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

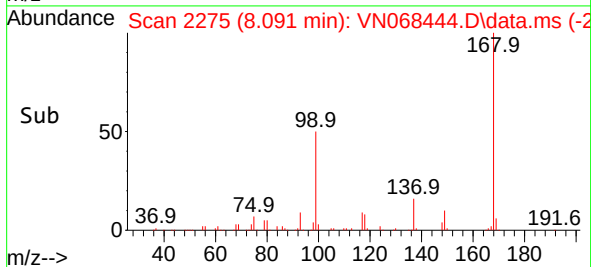
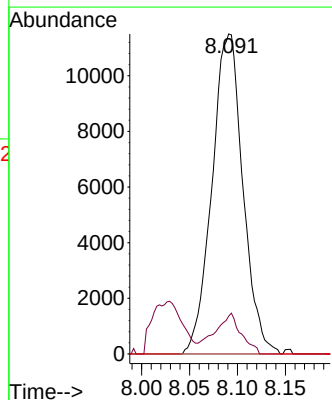
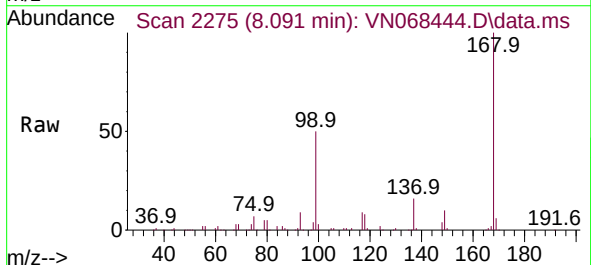
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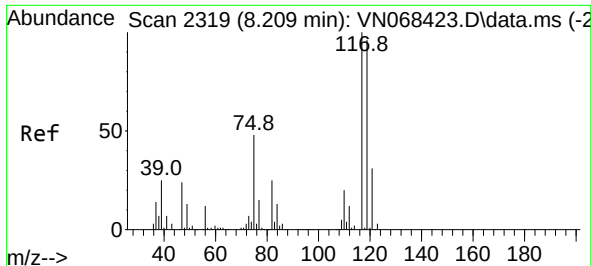
Tgt Ion:113 Resp: 204263
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 20.2 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.748 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 75 Resp: 25817
Ion Ratio Lower Upper
75 100
110 10.9 20.8 62.5#
77 0.0 25.0 37.6#

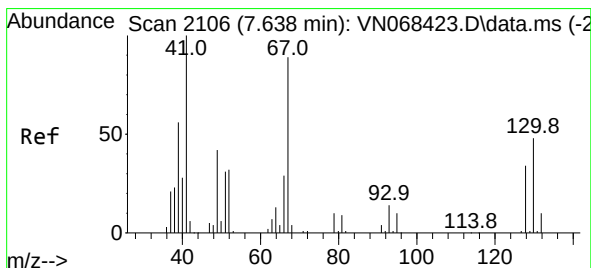
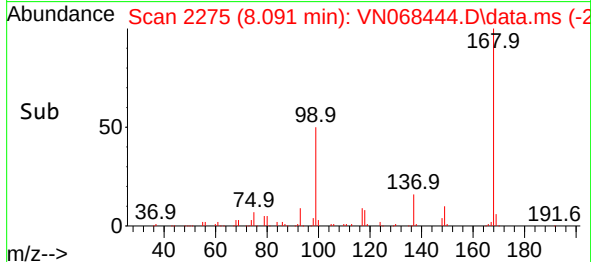
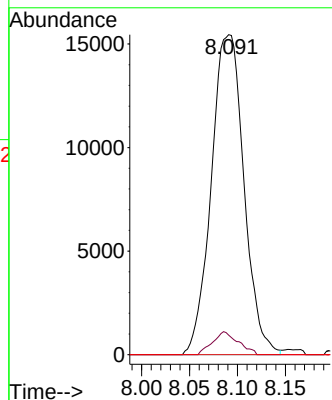
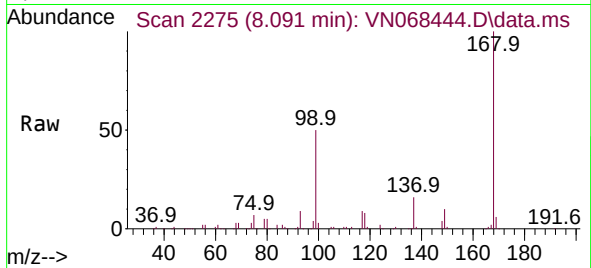




#38
Carbon Tetrachloride
Concen: 5.622 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

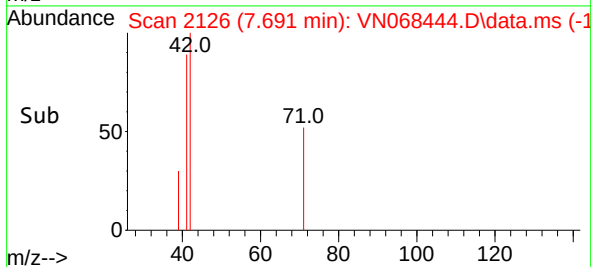
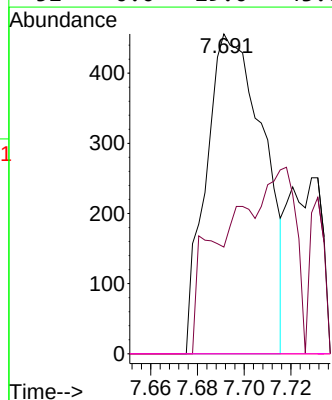
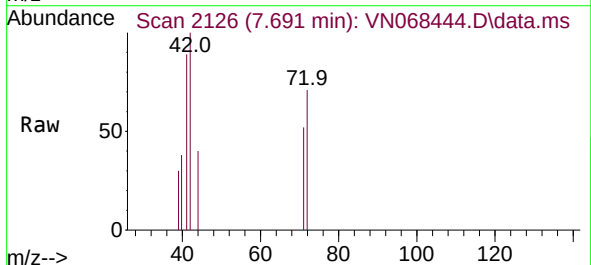
Instrument :
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PB138981ZHE#13

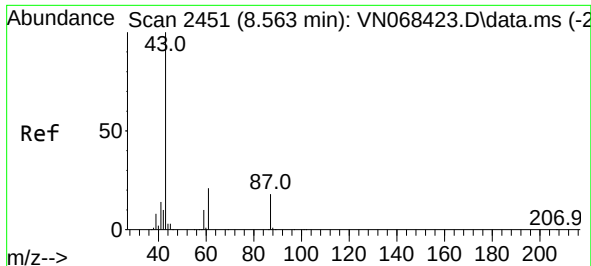
Tgt Ion:117 Resp: 36624
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.384 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.054 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 41 Resp: 782
Ion Ratio Lower Upper
41 100
39 20.6 45.4 68.2#
67 0.0 78.7 118.1#
52 0.0 29.0 43.6#

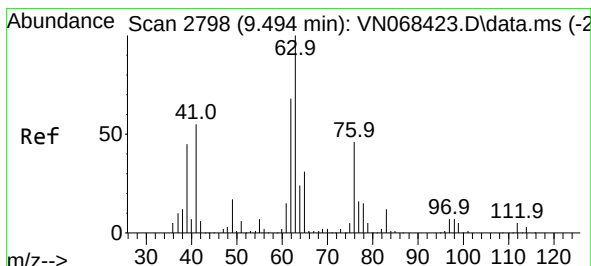
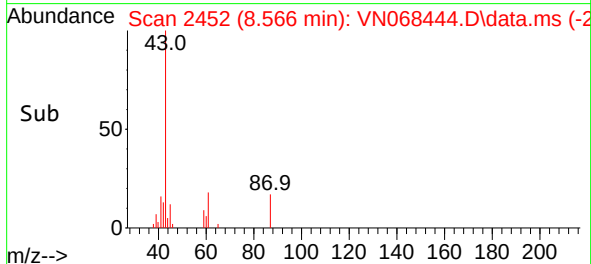
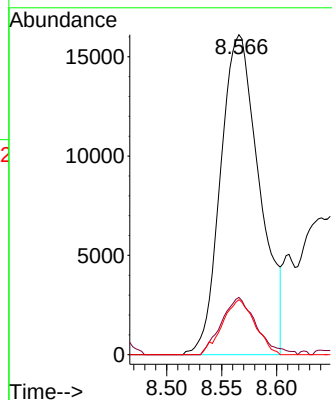
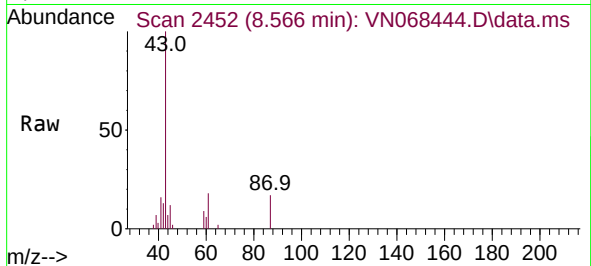




#43
Isopropyl Acetate
Concen: 5.436 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

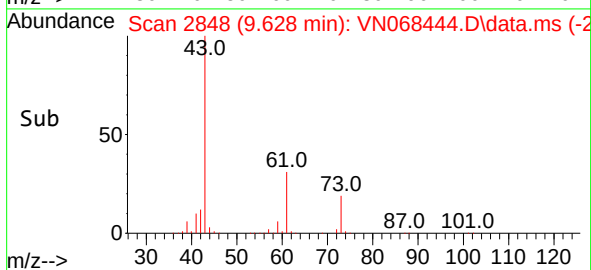
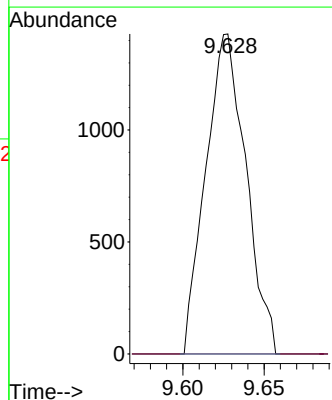
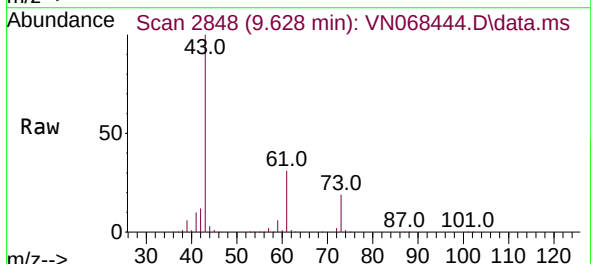
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

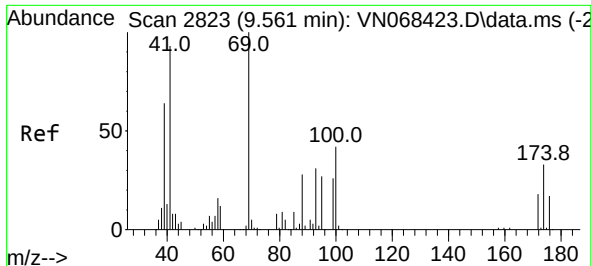
Tgt Ion: 43 Resp: 39671
Ion Ratio Lower Upper
43 100
61 16.0 23.3 34.9#
87 14.4 13.8 20.6



#45
1,2-Dichloropropane
Concen: 0.640 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.134 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 63 Resp: 2459
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

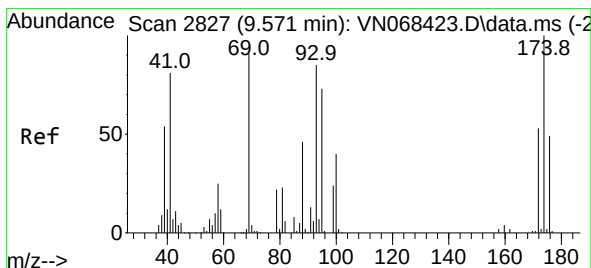
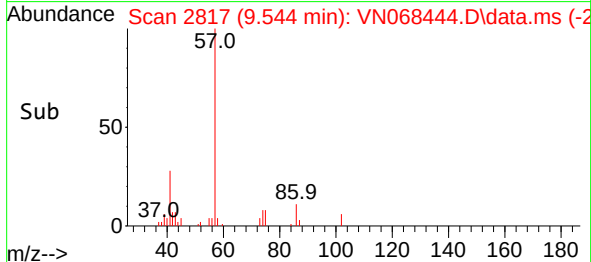
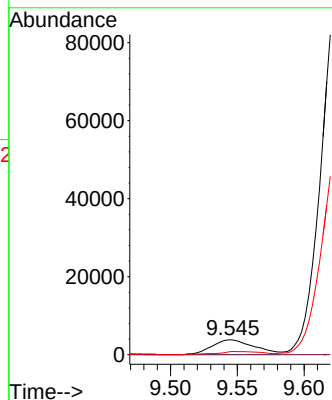
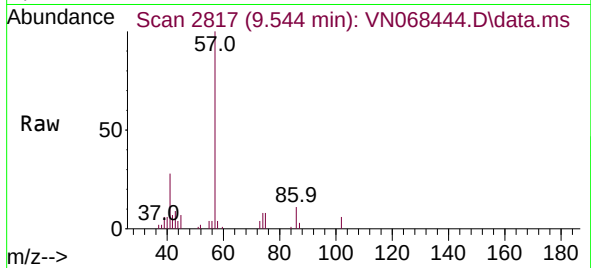




#48
Methyl methacrylate
Concen: 2.775 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

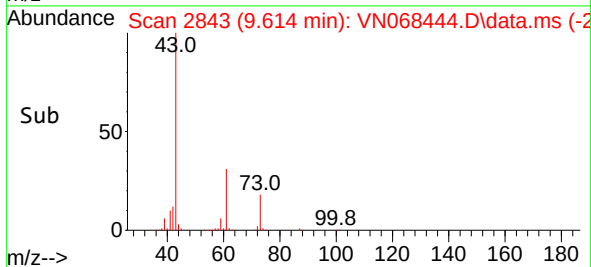
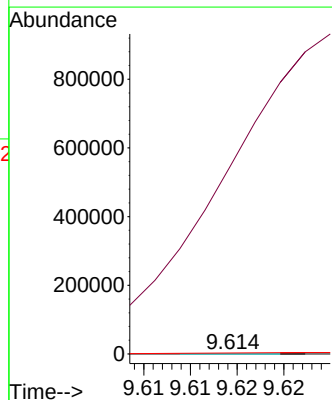
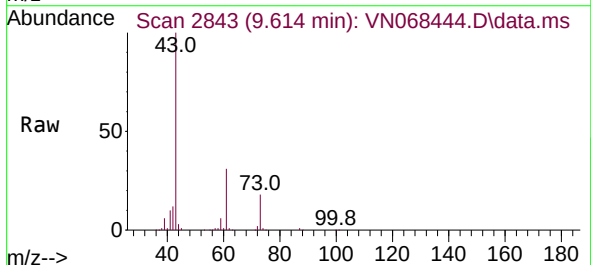
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

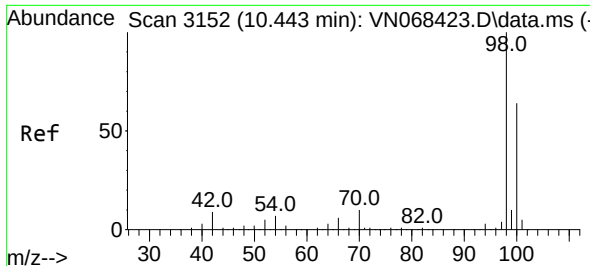
Tgt Ion: 41 Resp: 8455
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#



#49
1,4-Dioxane
Concen: 0.358 ug/l
RT: 9.614 min Scan# 2843
Delta R.T. 0.043 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 18.9 28.3#
58 0.0 46.6 69.8#

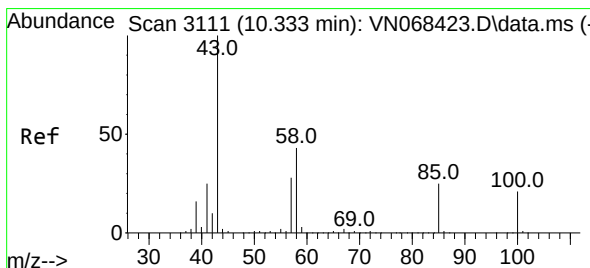
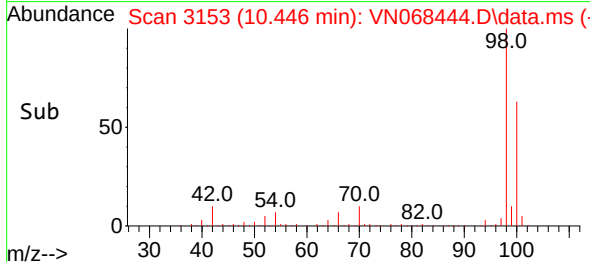
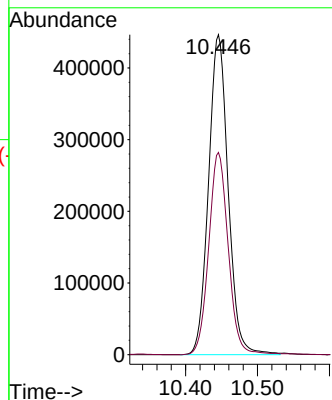
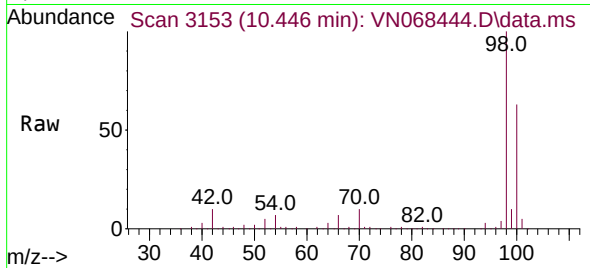




#50
Toluene-d8
Concen: 59.206 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

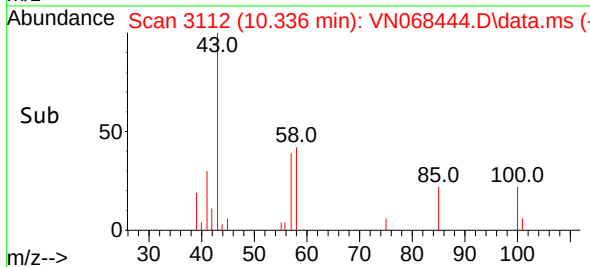
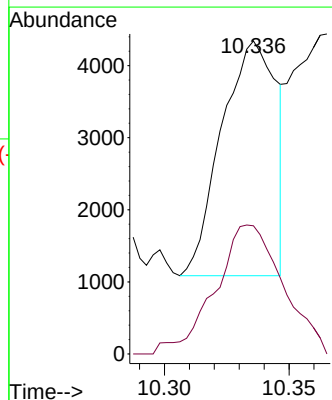
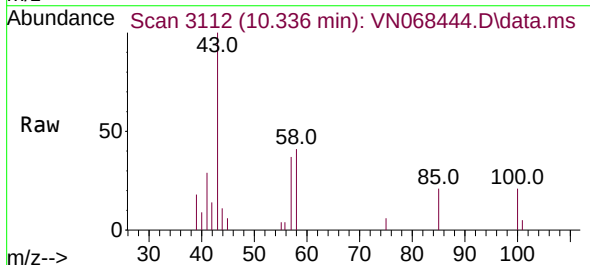
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

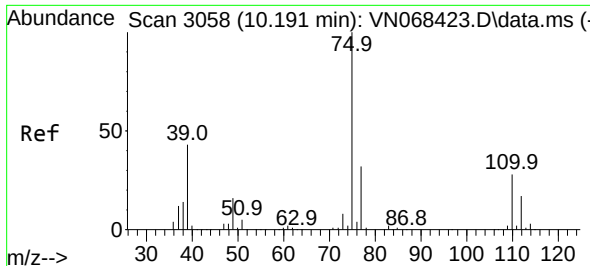
Tgt Ion: 98 Resp: 845979
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.191 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 43 Resp: 4963
Ion Ratio Lower Upper
43 100
58 68.2 34.3 51.5#

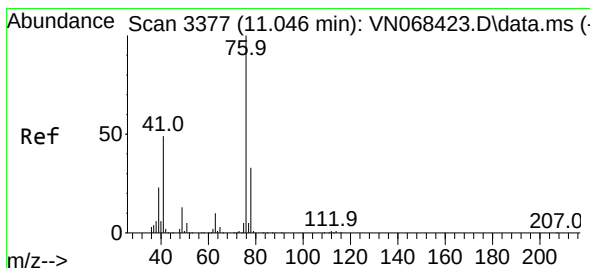
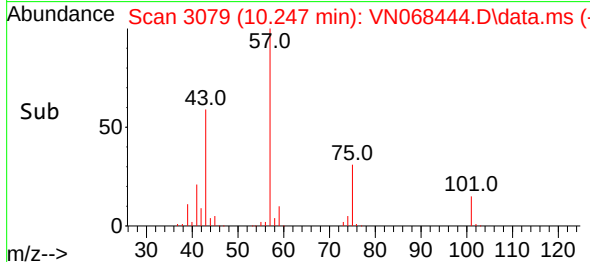
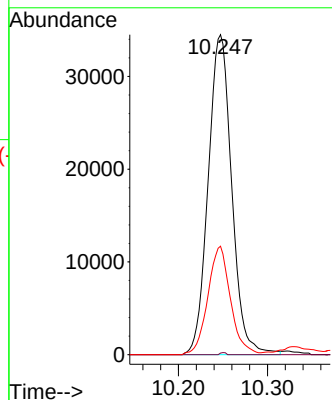
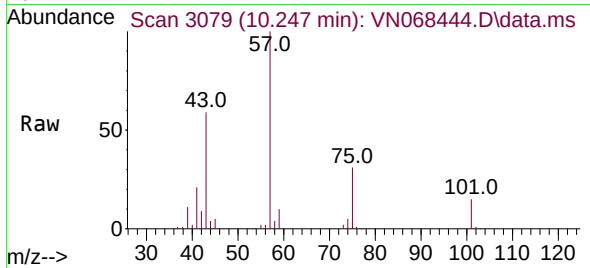




#54
cis-1,3-Dichloropropene
Concen: 10.289 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

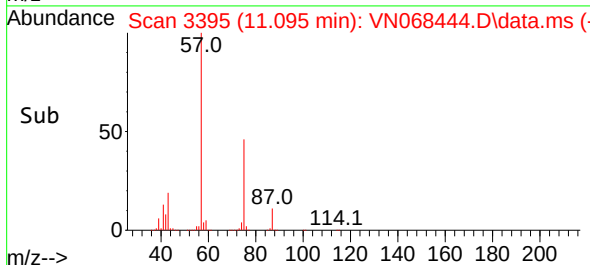
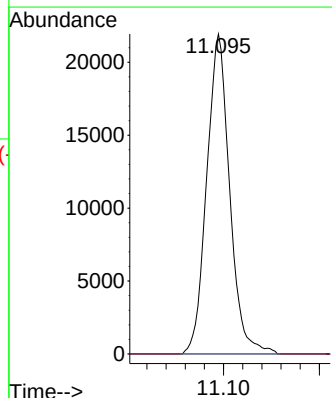
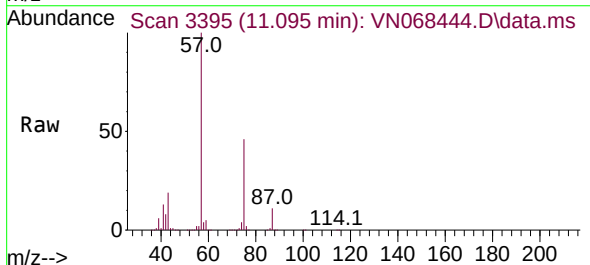
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

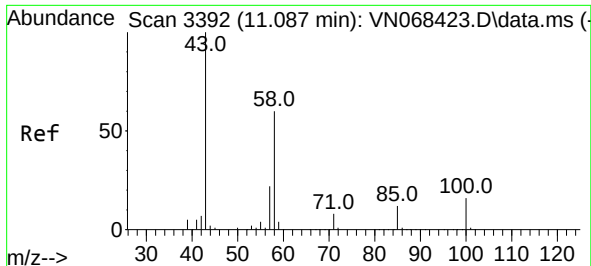
Tgt Ion: 75 Resp: 63397
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 33.9 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 5.585 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 76 Resp: 36474
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

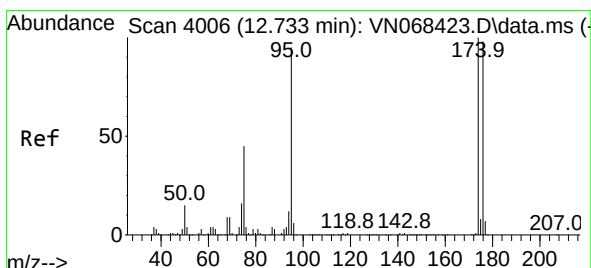
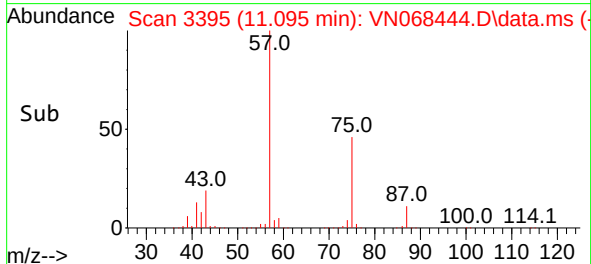
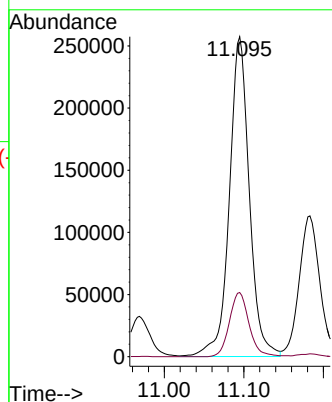
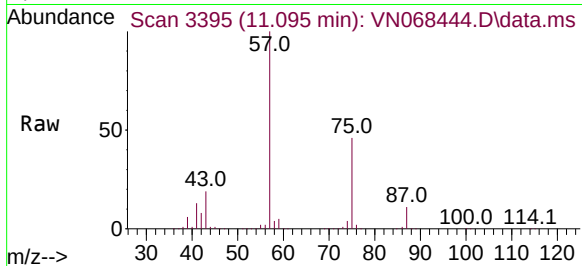




#59
2-Hexanone
Concen: 160.895 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

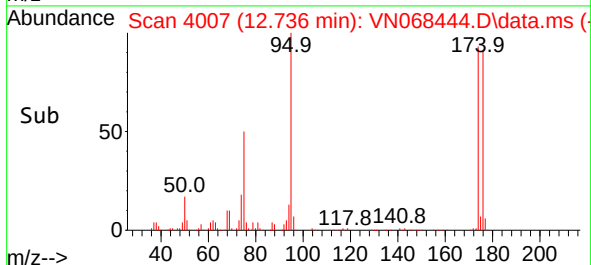
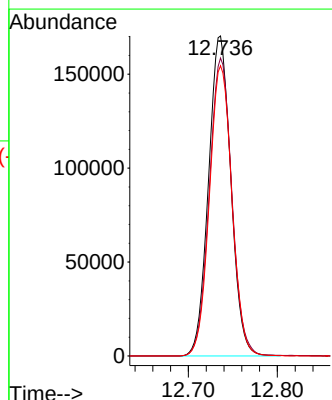
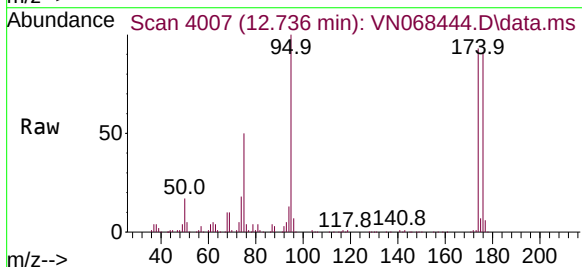
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

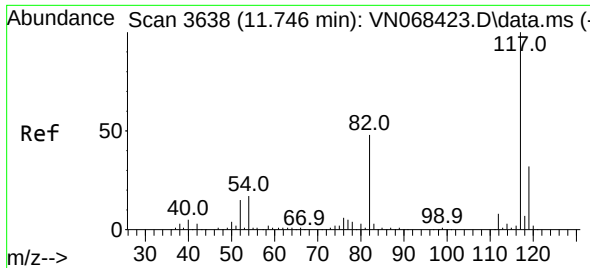
Tgt Ion: 43 Resp: 448868
Ion Ratio Lower Upper
43 100
58 19.8 30.0 90.1#



#62
4-Bromofluorobenzene
Concen: 64.879 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion: 95 Resp: 296643
Ion Ratio Lower Upper
95 100
174 94.5 0.0 214.0
176 91.4 0.0 205.4

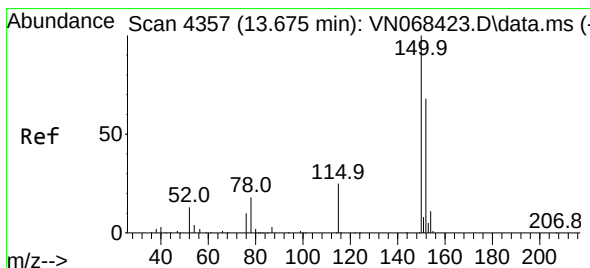
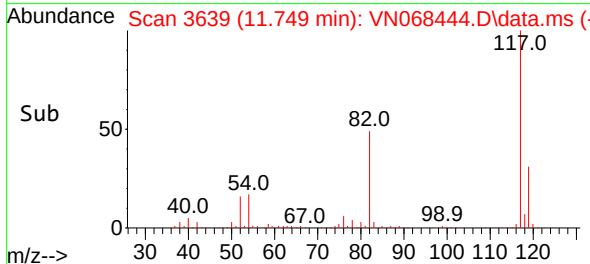
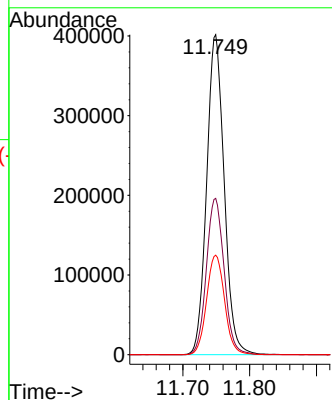
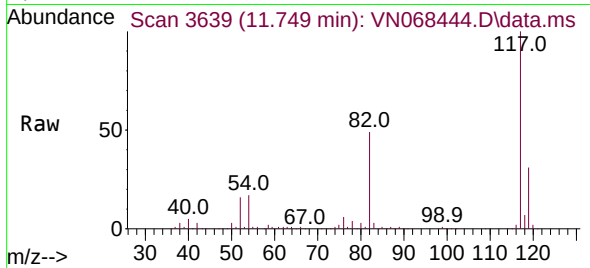




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

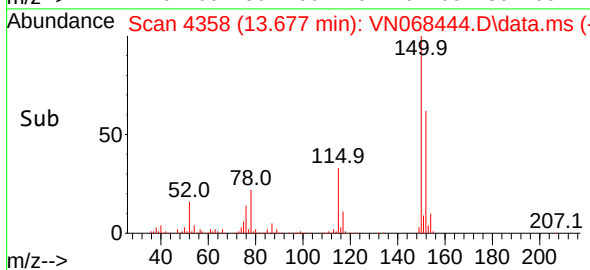
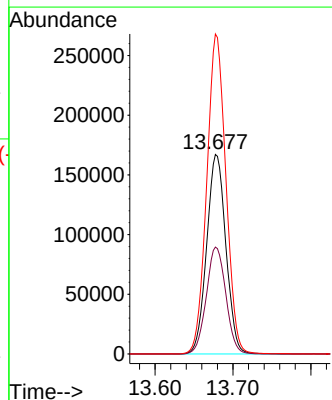
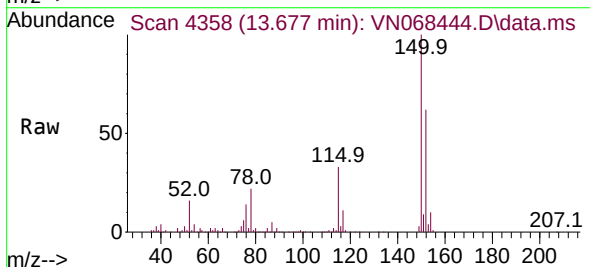
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

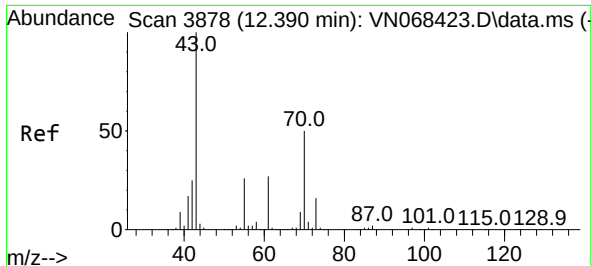
Tgt Ion:117 Resp: 733174
Ion Ratio Lower Upper
117 100
82 48.9 38.7 58.1
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion:152 Resp: 286877
Ion Ratio Lower Upper
152 100
115 54.5 25.6 76.6
150 159.3 0.0 346.8

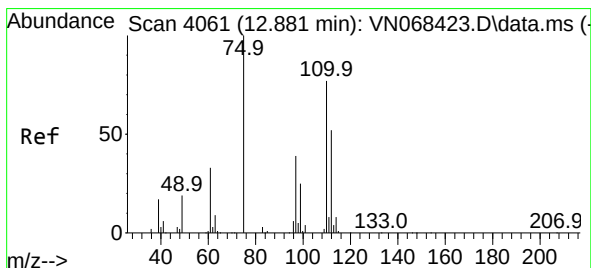
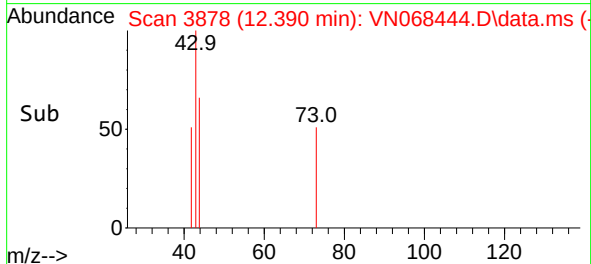
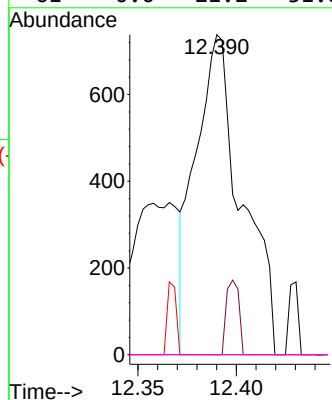
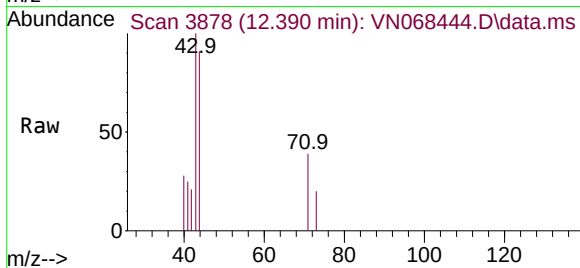




#74
N-amy1 acetate
Concen: 0.264 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. -0.000 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

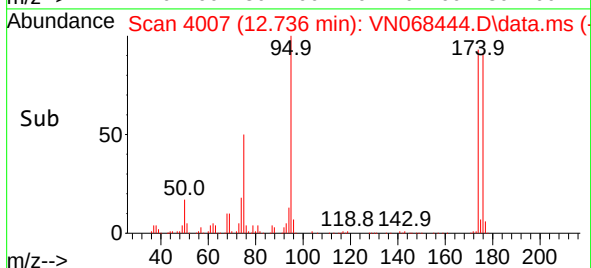
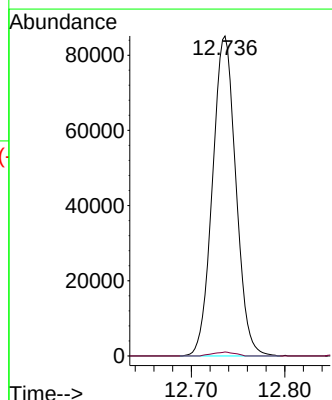
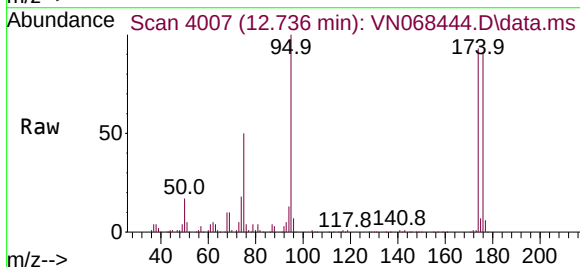
Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

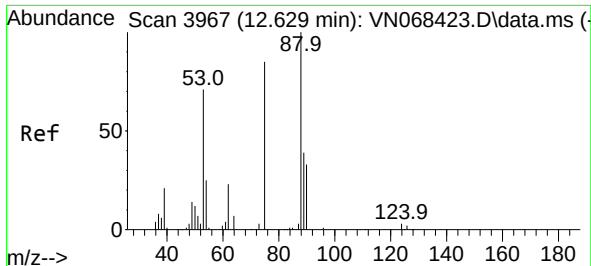
Tgt Ion:	43	Resp:	1203
Ion	Ratio	Lower	Upper
43	100		
70	6.3	40.0	60.0#
55	0.0	21.1	31.7#
61	0.0	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 32.700 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion:	75	Resp:	148081
Ion	Ratio	Lower	Upper
75	100		
77	1.2	100.9	302.7#

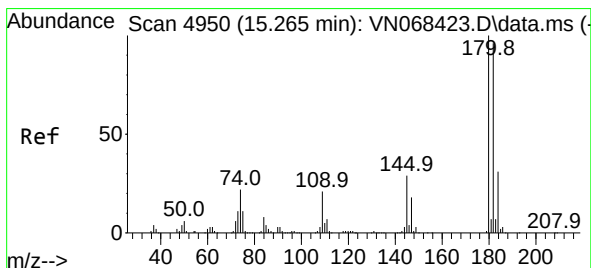
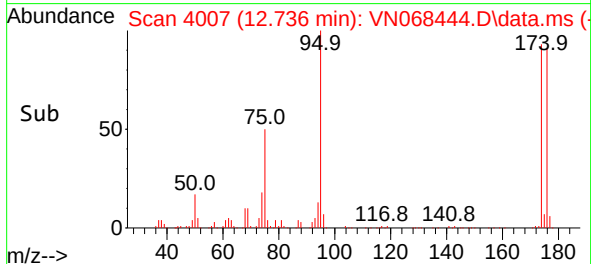
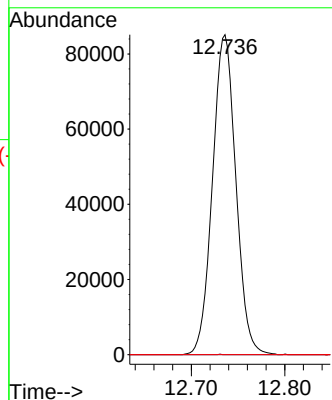
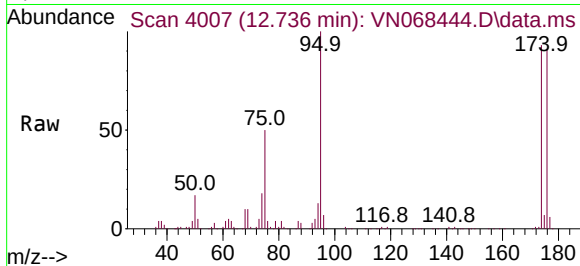




#81
trans-1,4-Dichloro-2-butene
Concen: 114.396 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

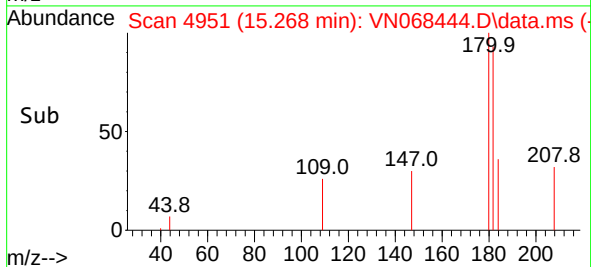
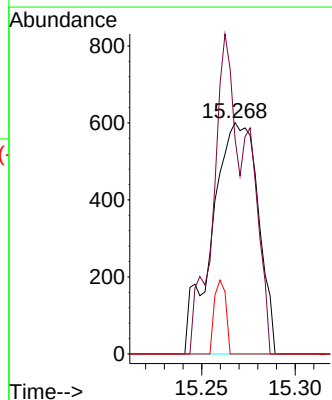
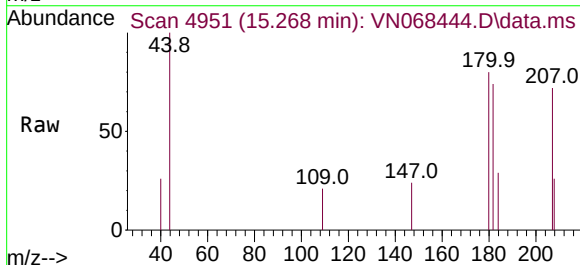
Instrument :
MSVOA_N
ClientSampleId :
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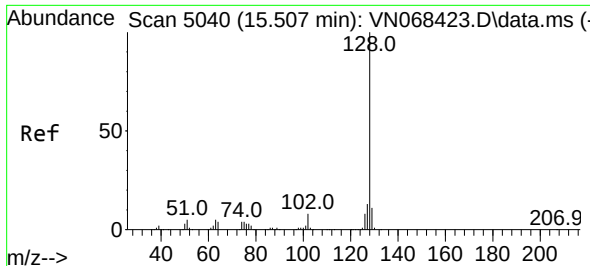
Tgt Ion: 75 Resp: 148081
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.238 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion:180 Resp: 1026
Ion Ratio Lower Upper
180 100
182 71.0 47.5 142.6
145 7.9 14.1 42.4#

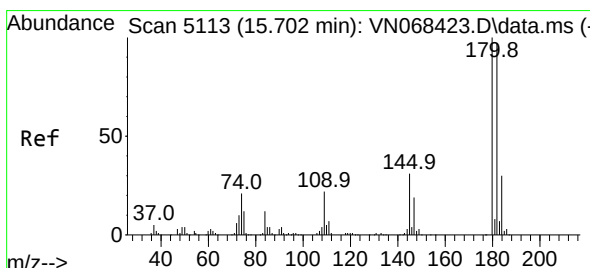
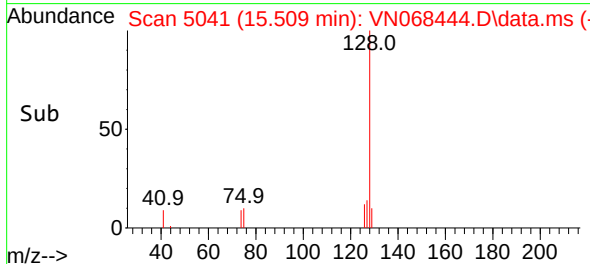
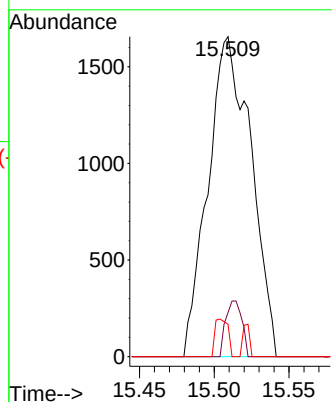
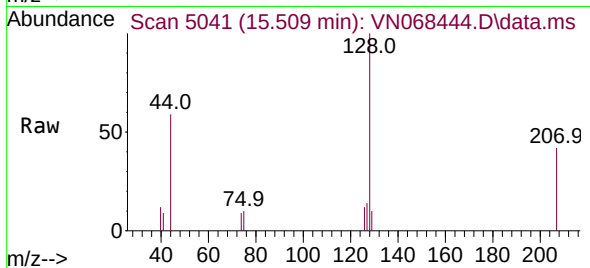




#95
Naphthalene
Concen: 3.767 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Instrument :
MSVOA_N
ClientSampleId :
PB138981ZHE#13

Tgt Ion:128 Resp: 3309
Ion Ratio Lower Upper
128 100
127 6.6 10.6 15.8#
129 3.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.224 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.000 min
Lab File: VN068444.D
Acq: 9 Sep 2021 16:09

Tgt Ion:180 Resp: 923
Ion Ratio Lower Upper
180 100
182 80.2 47.9 143.6
145 35.9 15.2 45.5

