

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101521\
 Data File : VN068942.D
 Acq On : 15 Oct 2021 11:57
 Operator : JC/MD
 Sample : VN1015MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

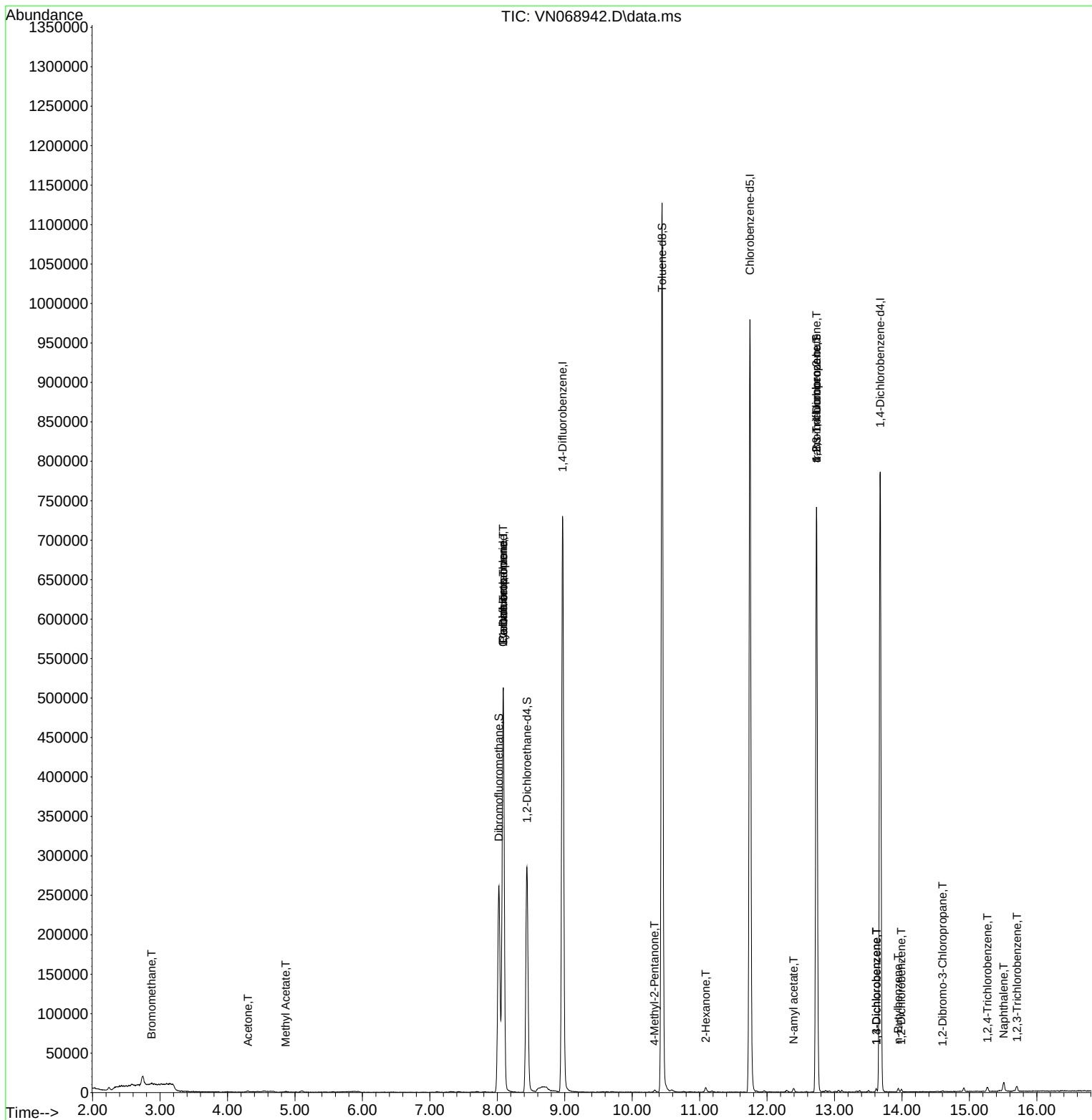
Quant Time: Oct 18 02:14:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

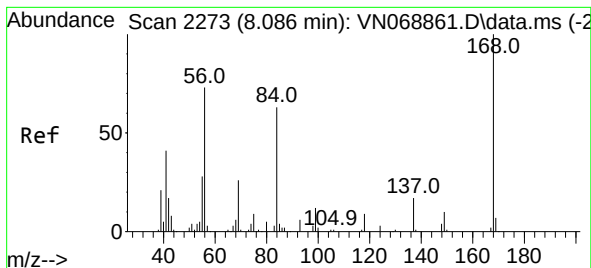
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	379301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	657435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	572130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246945	49.380	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	98.760%
35) Dibromofluoromethane	8.024	113	195843	51.201	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.400%
50) Toluene-d8	10.443	98	804512	52.567	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.140%
62) 4-Bromofluorobenzene	12.734	95	279081	48.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.875	94	1143	0.441	ug/l	99
16) Acetone	4.301	43	1502	0.805	ug/l	97
18) Methyl Acetate	4.865	43	1520	0.215	ug/l #	66
31) Cyclohexane	8.086	56	9171	1.179	ug/l #	8
36) 1,1-Dichloropropene	8.086	75	31932	5.686	ug/l #	50
38) Carbon Tetrachloride	8.088	117	40582	6.580	ug/l #	15
51) 4-Methyl-2-Pentanone	10.331	43	2834	0.478	ug/l #	80
59) 2-Hexanone	11.090	43	4965	1.167	ug/l	96
74) N-amyl acetate	12.393	43	3461	0.520	ug/l #	91
76) 1,2,3-Trichloropropane	12.734	75	145033	32.316	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	145033	77.314	ug/l #	12
87) 1,3-Dichlorobenzene	13.621	146	1375	0.205	ug/l	88
88) 1,4-Dichlorobenzene	13.621	146	1375	0.206	ug/l	87
89) n-Butylbenzene	13.943	91	3307	0.281	ug/l	87
91) 1,2-Dichlorobenzene	13.991	146	1520	0.233	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.603	75	319	0.326	ug/l	76
93) 1,2,4-Trichlorobenzene	15.268	180	2517	3.275	ug/l	65
95) Naphthalene	15.507	128	12121	4.956	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	3257	3.431	ug/l	87

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

Quant Time: Oct 18 02:14:07 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 13 05:44:40 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.002 min

Lab File: VN068942.D

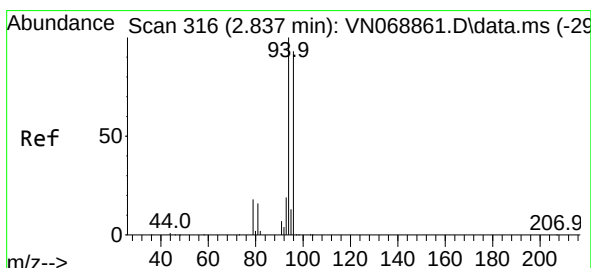
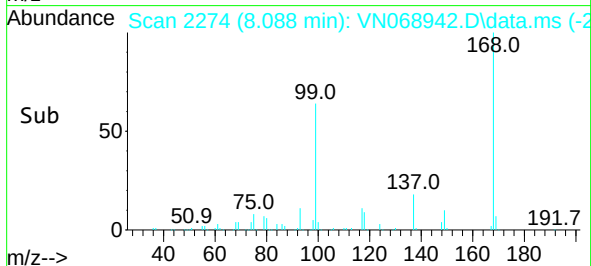
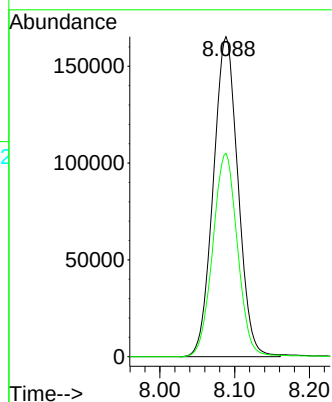
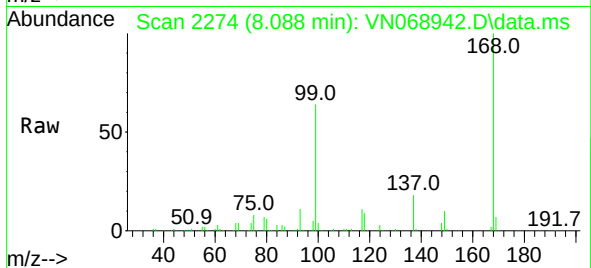
Acq: 15 Oct 2021 11:57

Tgt Ion:168 Resp: 379301

Ion Ratio Lower Upper

168 100

99 63.6 48.9 73.3



#5

Bromomethane

Concen: 0.441 ug/l

RT: 2.875 min Scan# 330

Delta R.T. 0.038 min

Lab File: VN068942.D

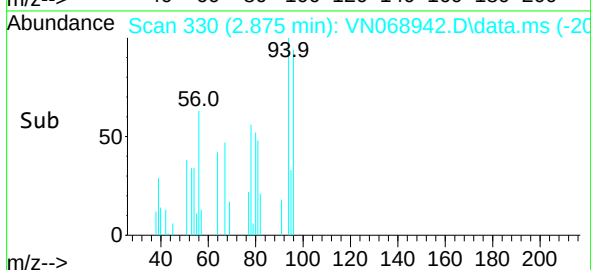
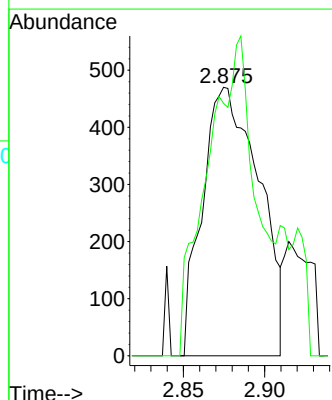
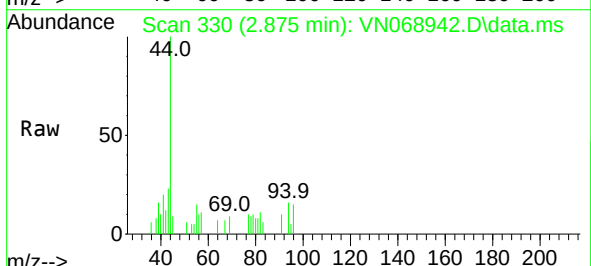
Acq: 15 Oct 2021 11:57

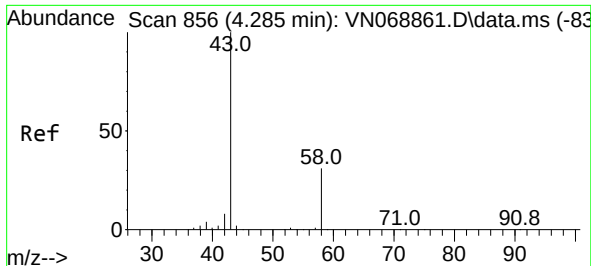
Tgt Ion: 94 Resp: 1143

Ion Ratio Lower Upper

94 100

96 94.0 74.2 111.4

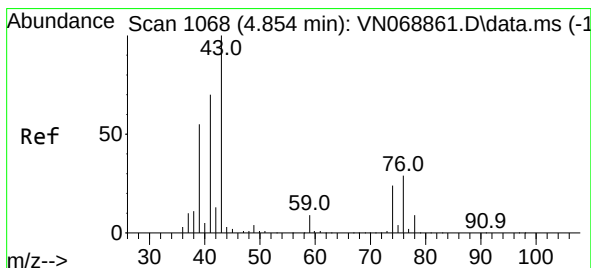
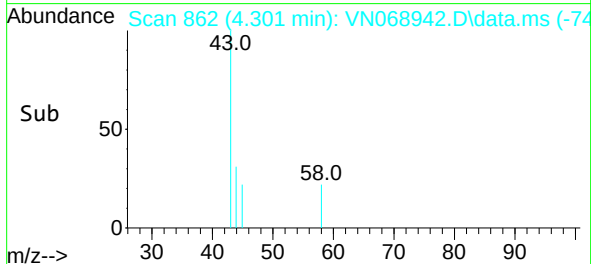
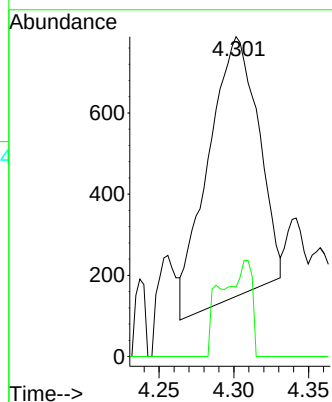
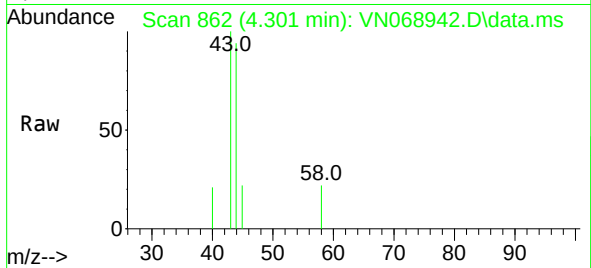




#16
Acetone
Concen: 0.805 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.016 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

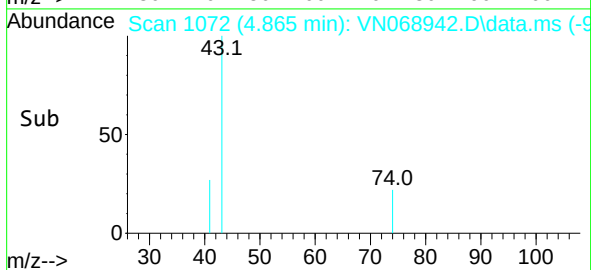
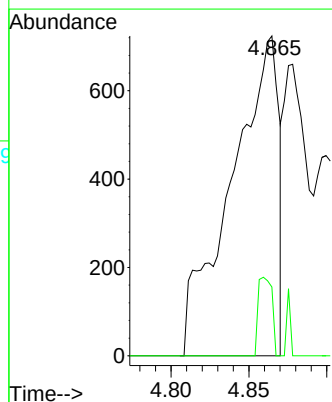
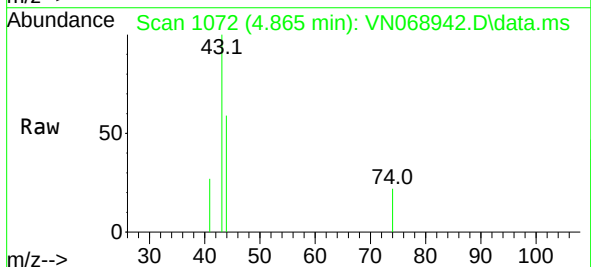
Instrument :
MSVOA_N
ClientSampled :

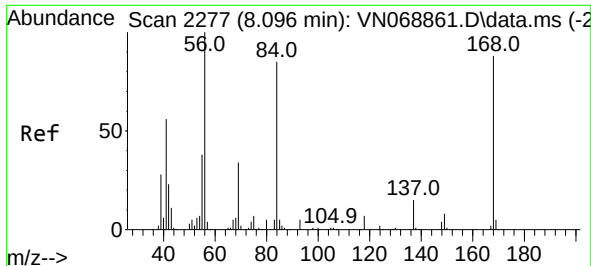
Tgt Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 28.8 24.5 36.7



#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.011 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion: 43 Resp: 1520
Ion Ratio Lower Upper
43 100
74 7.2 18.9 28.3#

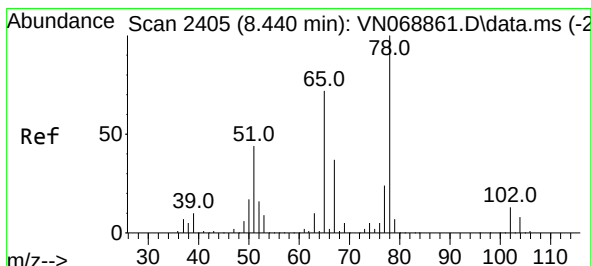
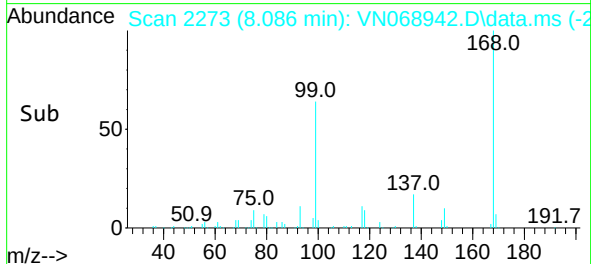
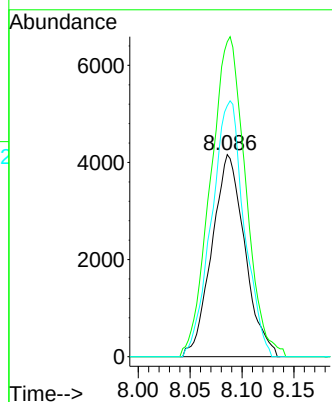
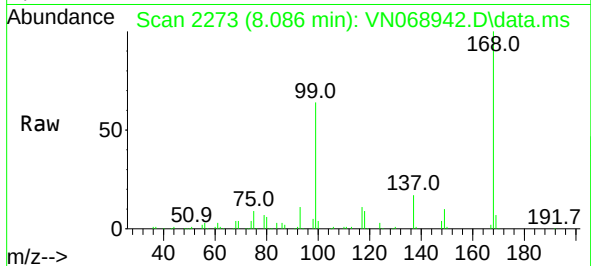




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.010 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

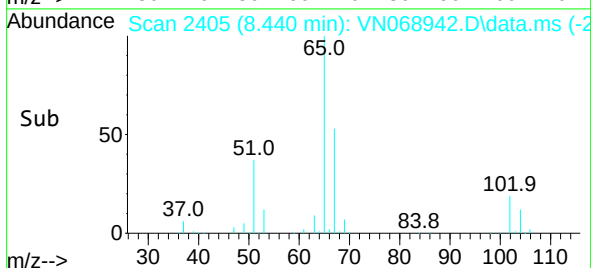
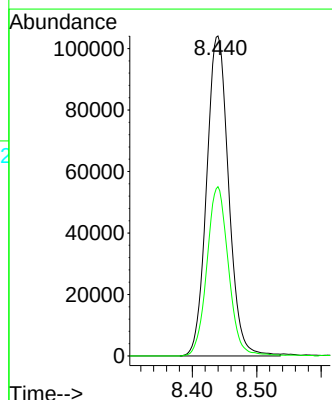
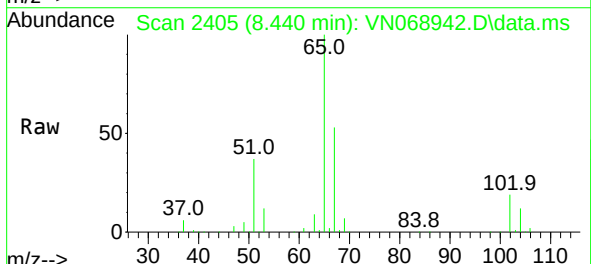
Instrument :
MSVOA_N
ClientSampled :

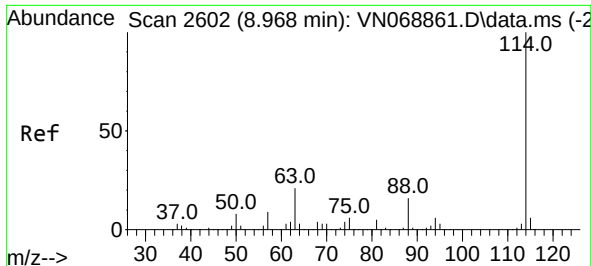
Tgt Ion: 56 Resp: 9171
Ion Ratio Lower Upper
56 100
69 155.8 26.9 40.3#
84 124.2 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 49.380 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion: 65 Resp: 246945
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

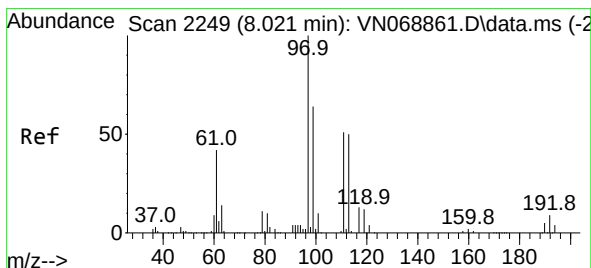
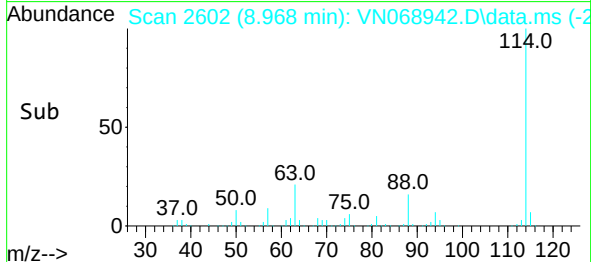
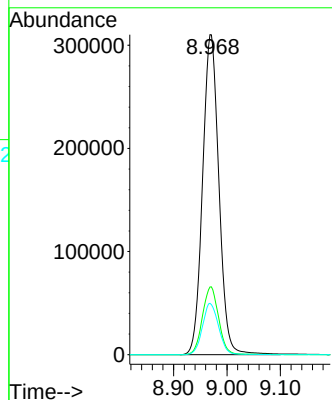
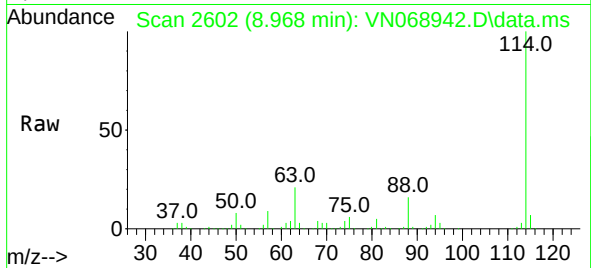




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

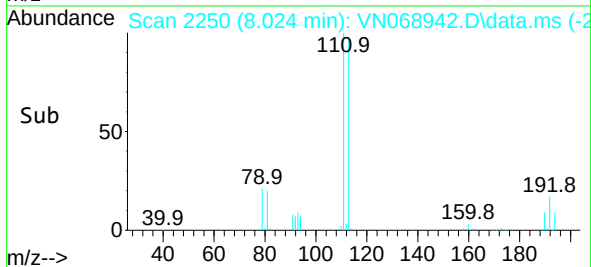
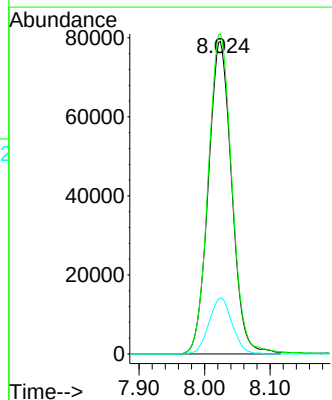
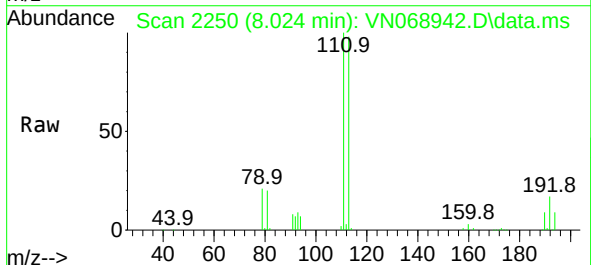
Instrument :
MSVOA_N
ClientSampled :

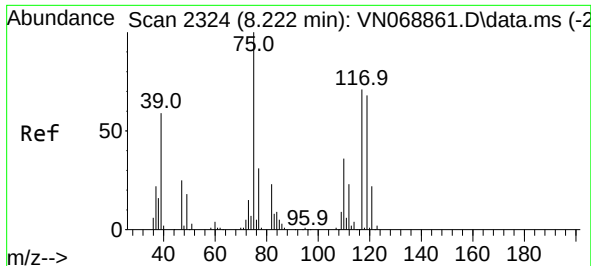
Tgt Ion:114 Resp: 657435
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.201 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion:113 Resp: 195843
Ion Ratio Lower Upper
113 100
111 103.9 83.2 124.8
192 17.8 15.0 22.4

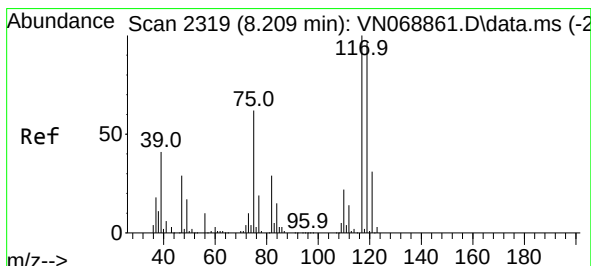
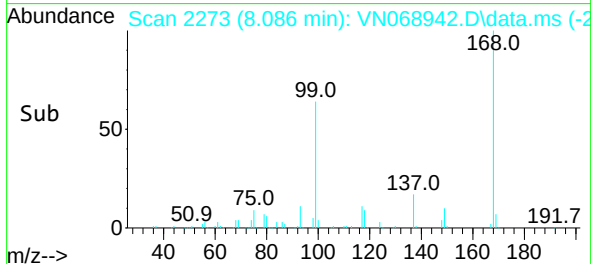
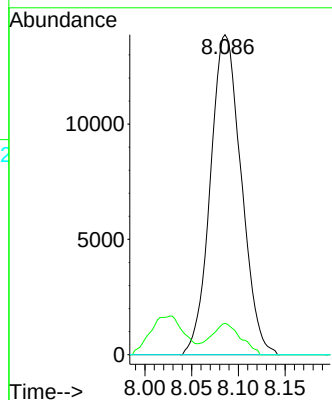
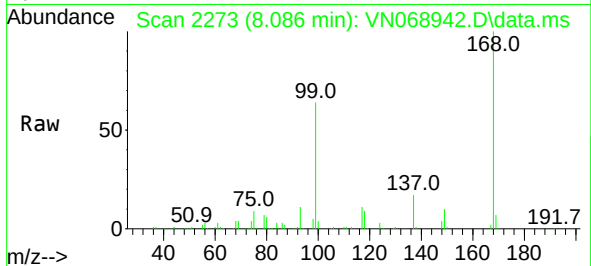




#36
 1,1-Dichloropropene
 Concen: 5.686 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.137 min
 Lab File: VN068942.D
 Acq: 15 Oct 2021 11:57

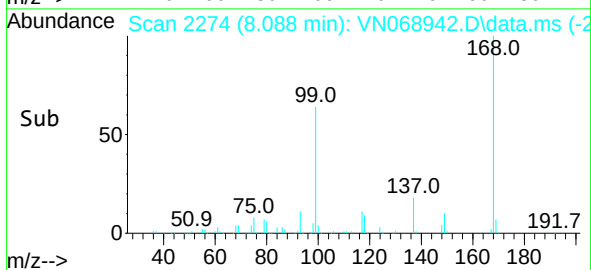
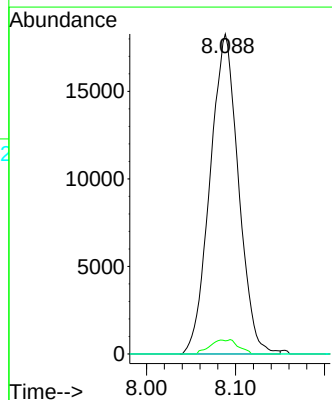
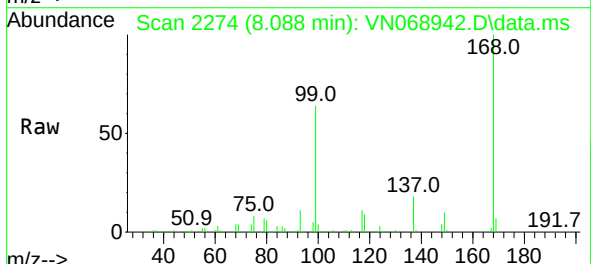
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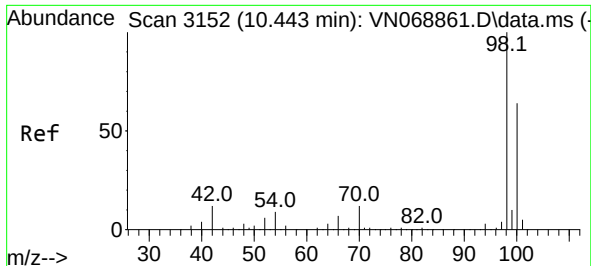
Tgt Ion: 75 Resp: 31932
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.9 53.8#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.580 ug/l
 RT: 8.088 min Scan# 2274
 Delta R.T. -0.121 min
 Lab File: VN068942.D
 Acq: 15 Oct 2021 11:57

Tgt Ion: 117 Resp: 40582
 Ion Ratio Lower Upper
 117 100
 119 4.1 76.9 115.3#
 121 0.0 24.6 37.0#

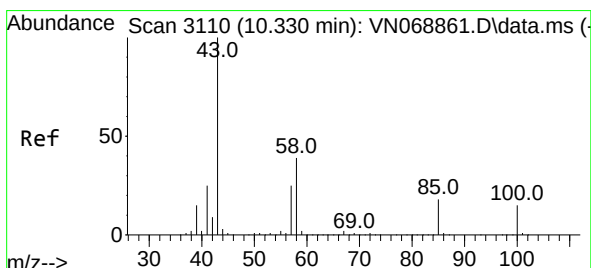
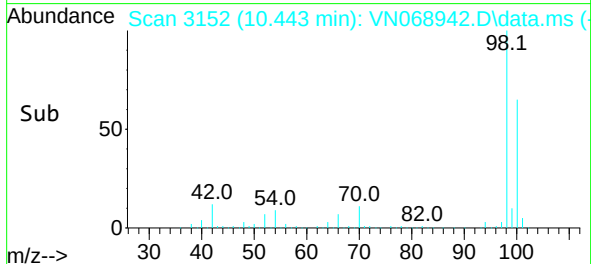
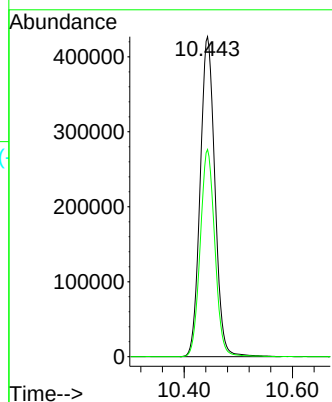
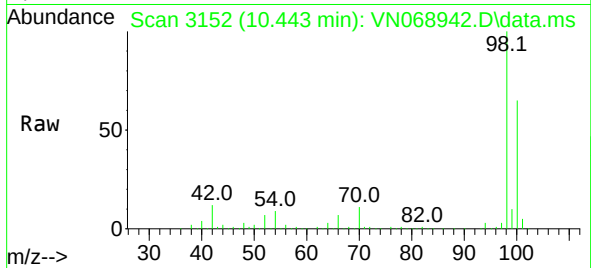




#50
Toluene-d8
Concen: 52.567 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

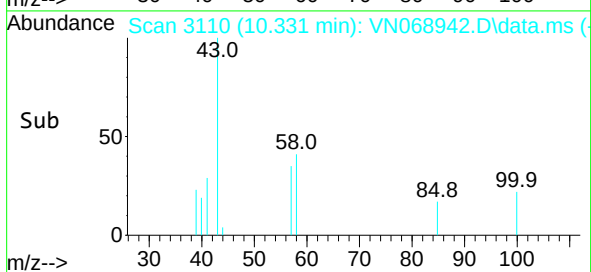
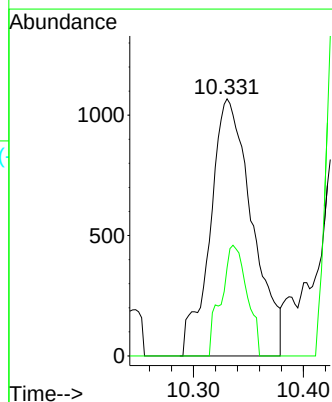
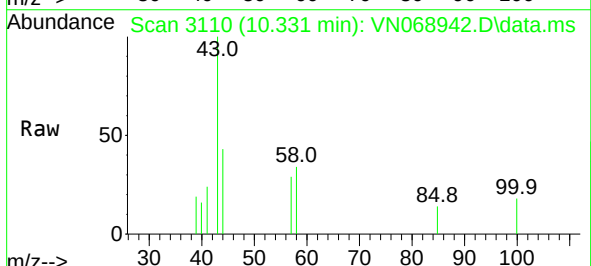
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MSVOA_N
ClientSampled :

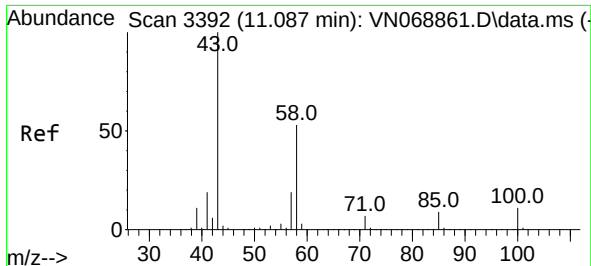
Tgt Ion: 98 Resp: 804512
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.478 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion: 43 Resp: 2834
Ion Ratio Lower Upper
43 100
58 26.5 31.0 46.4#

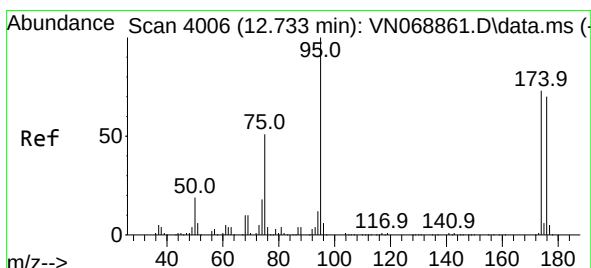
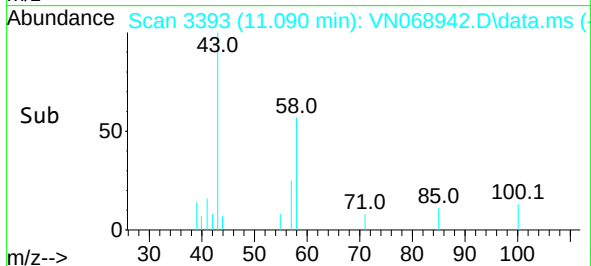
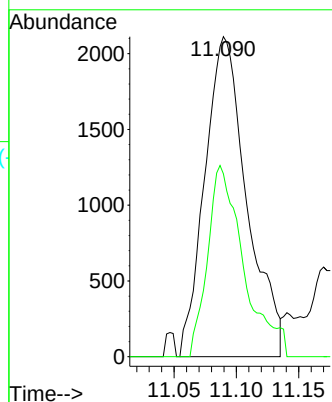
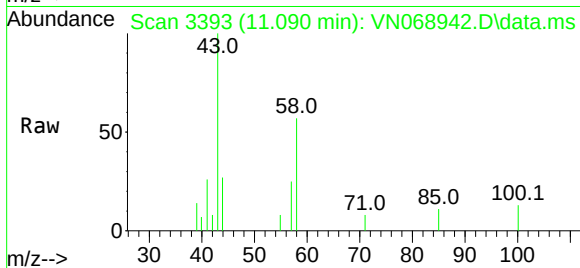




#59
2-Hexanone
Concen: 1.167 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

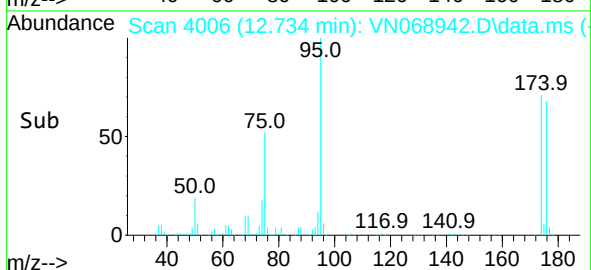
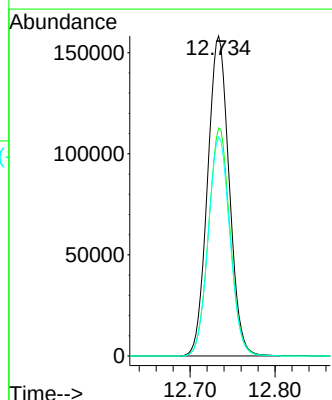
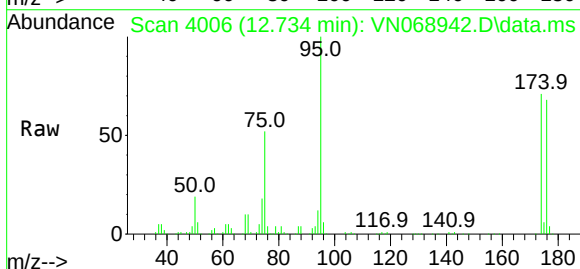
Instrument :
MSVOA_N
ClientSampled :

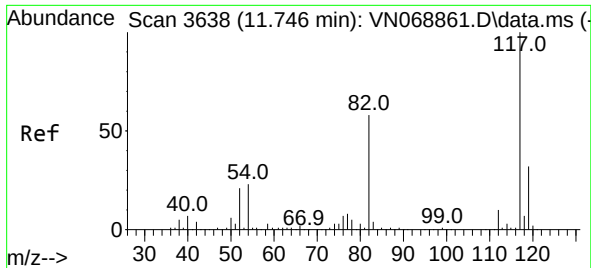
Tgt Ion: 43 Resp: 4965
Ion Ratio Lower Upper
43 100
58 51.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.332 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion: 95 Resp: 279081
Ion Ratio Lower Upper
95 100
174 71.2 0.0 144.8
176 68.8 0.0 140.0

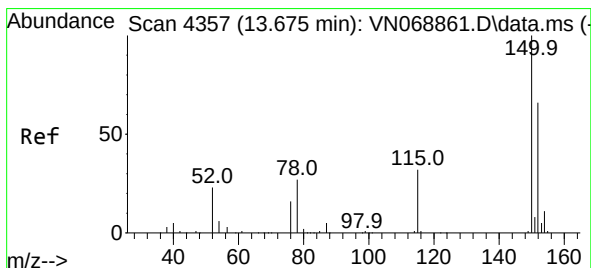
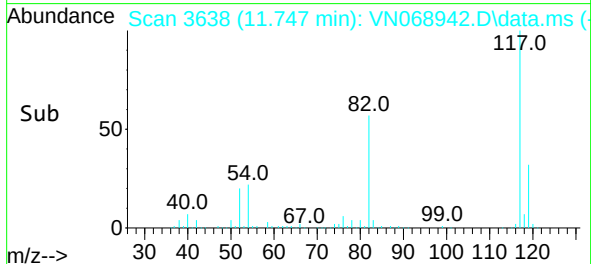
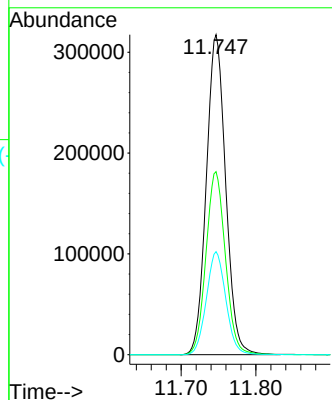
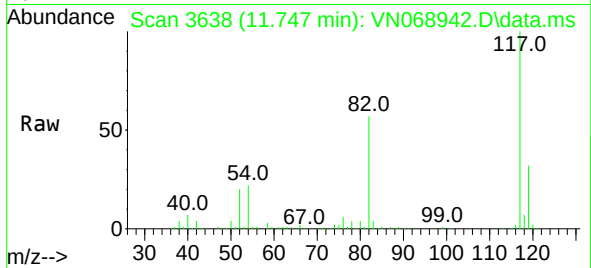




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

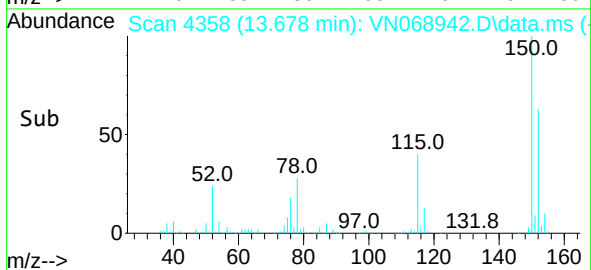
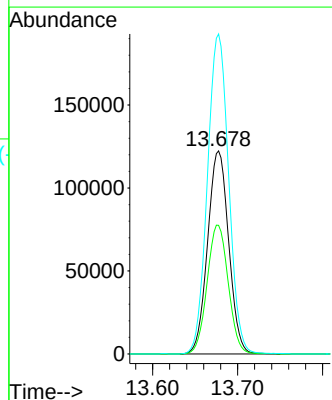
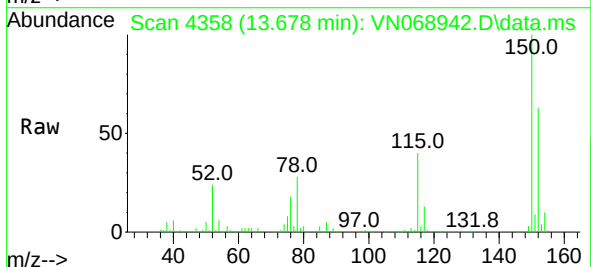
Instrument :
MSVOA_N
ClientSampled :

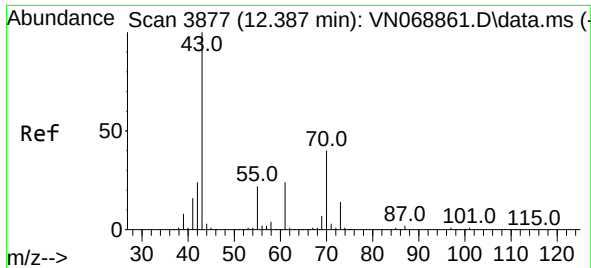
Tgt Ion:117 Resp: 572130
Ion Ratio Lower Upper
117 100
82 57.2 46.4 69.6
119 32.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion:152 Resp: 210928
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.3
150 158.7 0.0 351.0

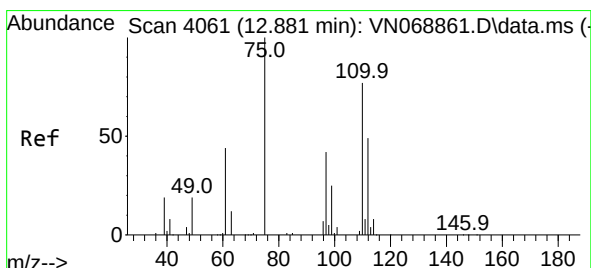
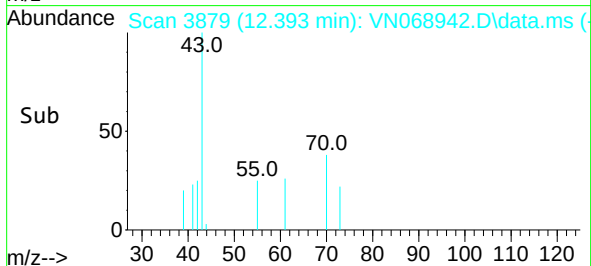
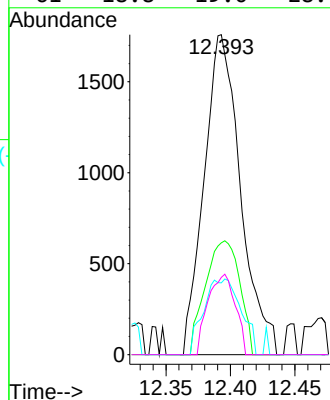
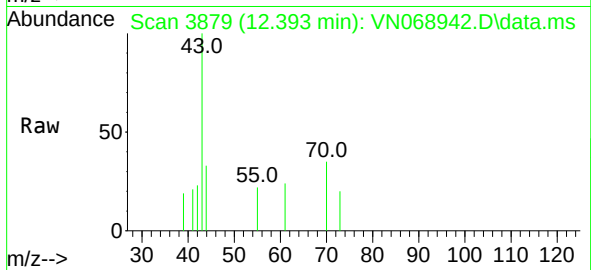




#74
N-amy1 acetate
Concen: 0.520 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.005 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

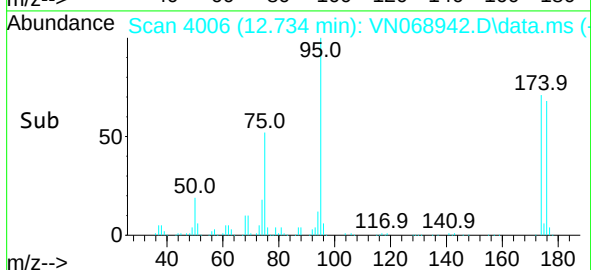
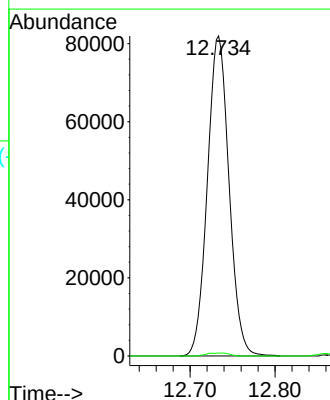
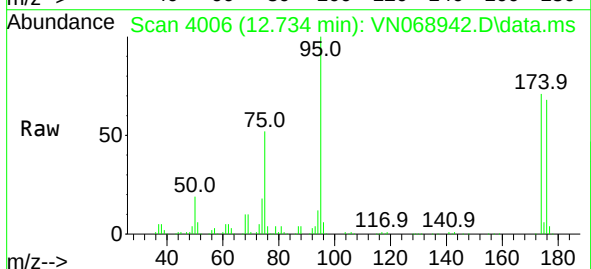
Instrument :
MSVOA_N
ClientSampled :

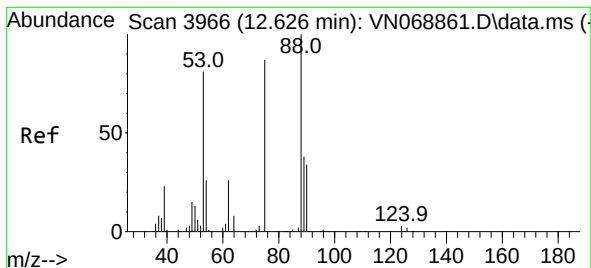
Tgt Ion:	43	Resp:	3461
Ion Ratio	Lower	Upper	
43	100		
70	33.6	32.2	48.2
55	24.2	18.0	27.0
61	18.8	19.0	28.4



#76
1,2,3-Trichloropropane
Concen: 32.316 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion:	75	Resp:	145033
Ion Ratio	Lower	Upper	
75	100		
77	0.4	96.2	288.4

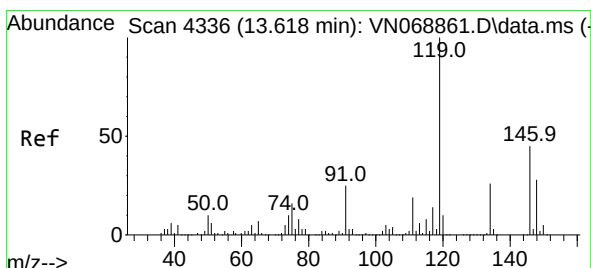
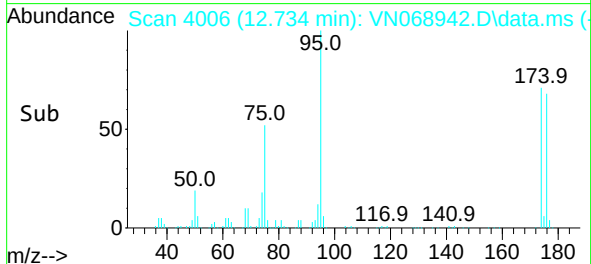
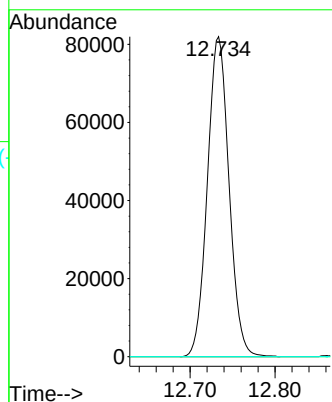
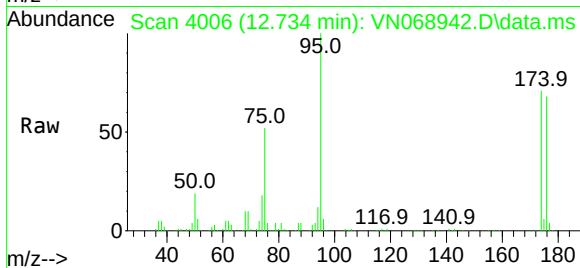




#81
trans-1,4-Dichloro-2-butene
Concen: 77.314 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

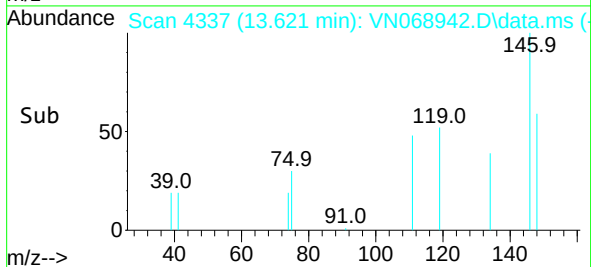
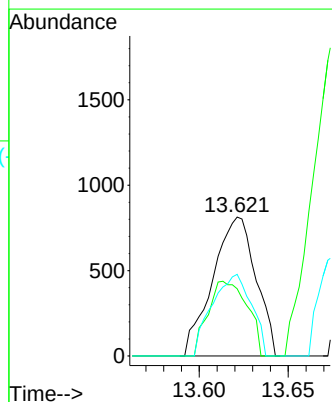
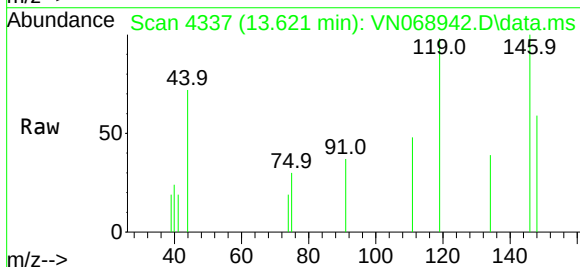
Instrument :
MSVOA_N
ClientSampleId :

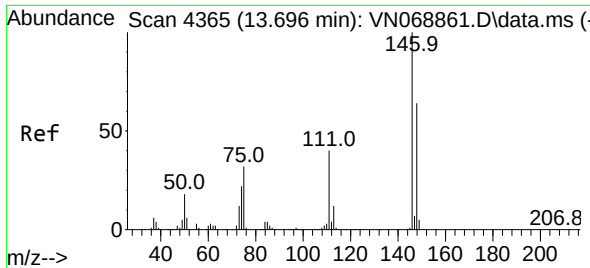
Tgt Ion: 75 Resp: 145033
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.205 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

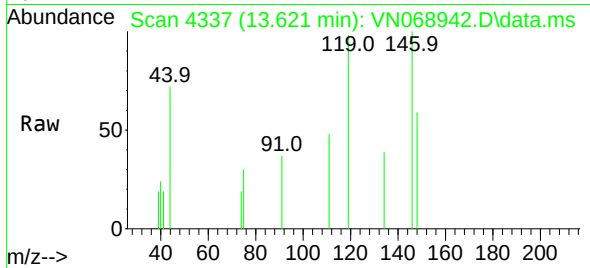
Tgt Ion:146 Resp: 1375
Ion Ratio Lower Upper
146 100
111 48.6 21.4 64.2
148 53.6 32.0 96.2



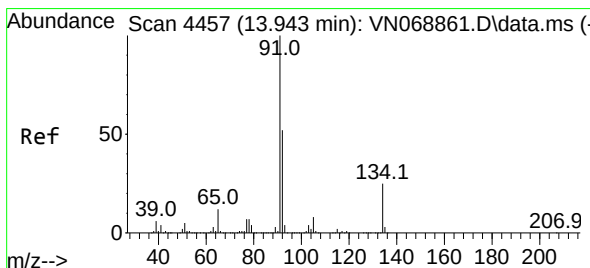
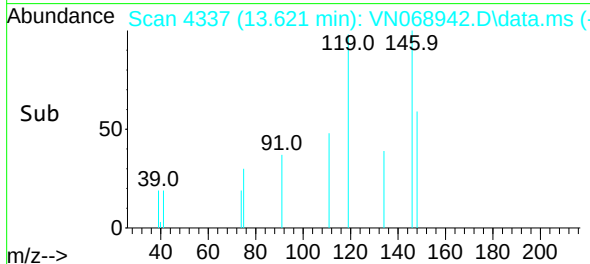
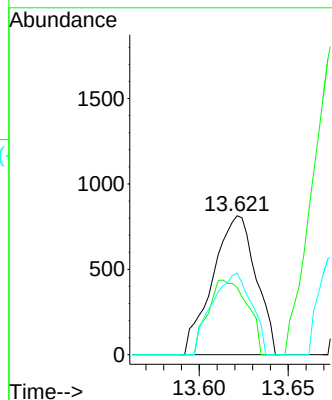


#88
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

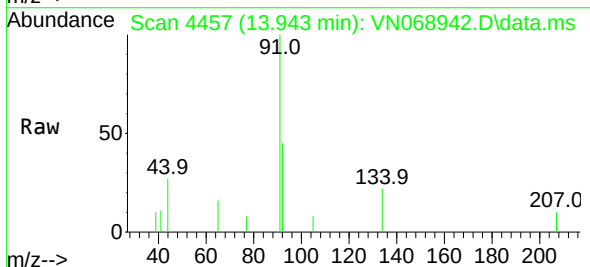
Instrument :
MSVOA_N
ClientSampleId :



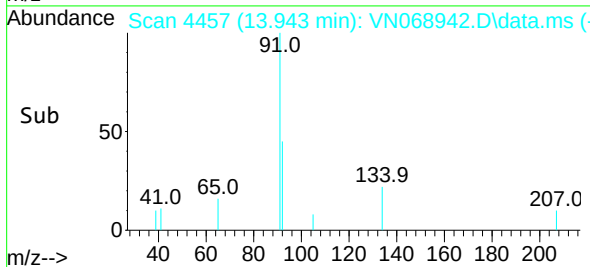
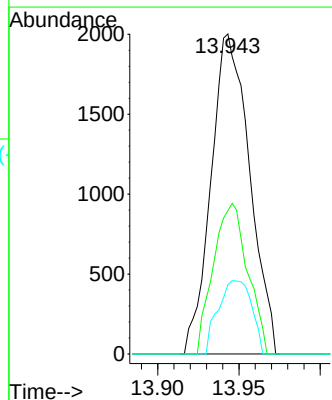
Tgt Ion:	146	Resp:	1375
Ion	Ratio	Lower	Upper
146	100		
111	48.6	20.6	61.8
148	53.6	32.1	96.5

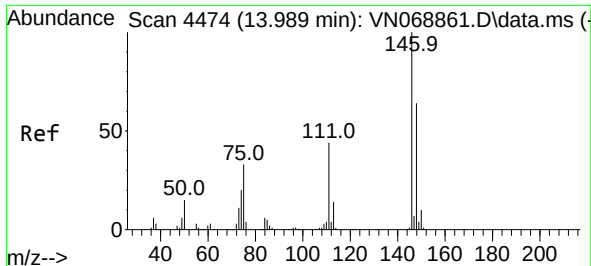


#89
n-Butylbenzene
Concen: 0.281 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57



Tgt Ion:	91	Resp:	3307
Ion	Ratio	Lower	Upper
91	100		
92	41.7	26.0	78.0
134	19.7	12.5	37.5

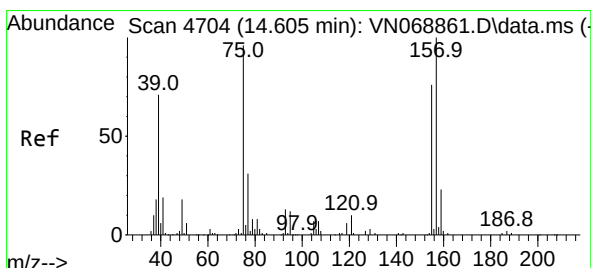
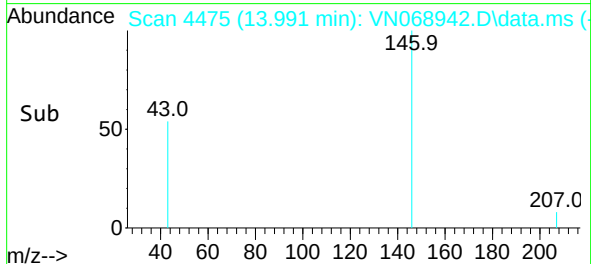
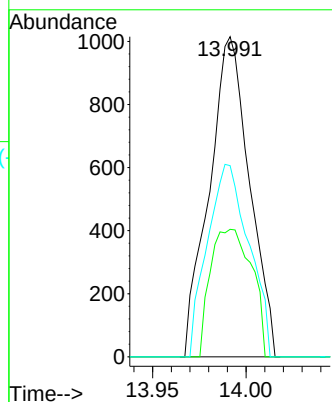
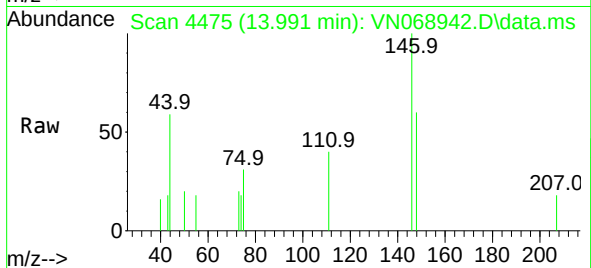




#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

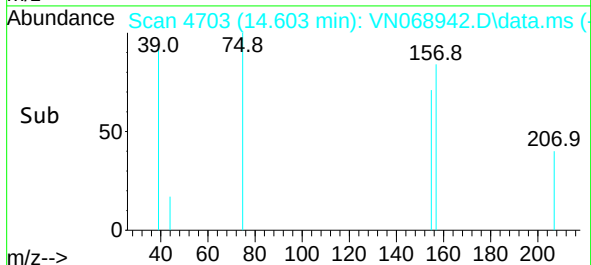
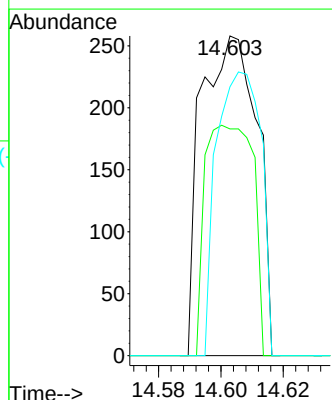
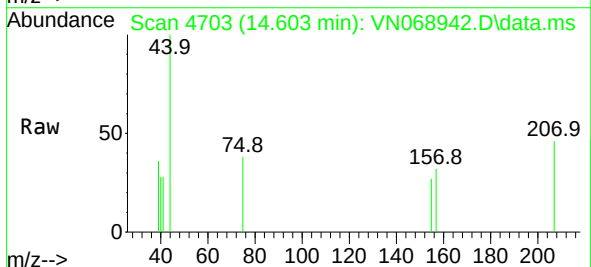
Instrument :
MSVOA_N
ClientSampled :

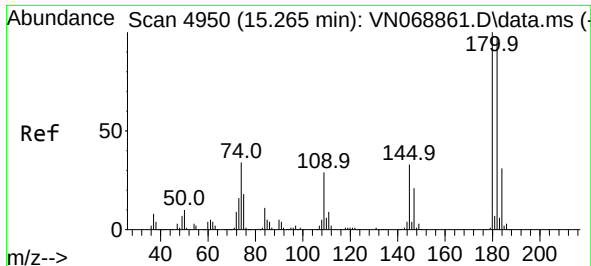
Tgt Ion:146 Resp: 1520
Ion Ratio Lower Upper
146 100
111 40.8 22.0 66.0
148 62.0 32.1 96.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.326 ug/l
RT: 14.603 min Scan# 4703
Delta R.T. -0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

Tgt Ion: 75 Resp: 319
Ion Ratio Lower Upper
75 100
155 62.1 38.8 116.4
157 70.8 50.2 150.6

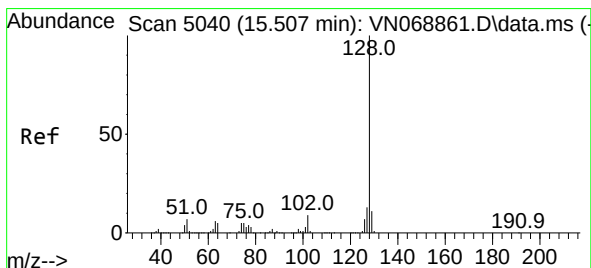
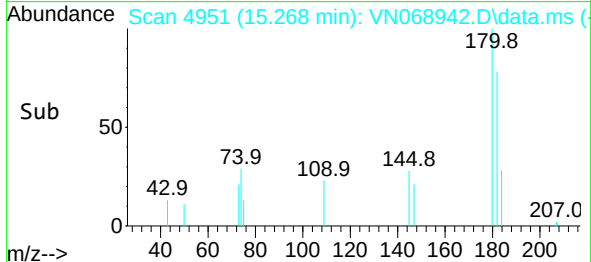
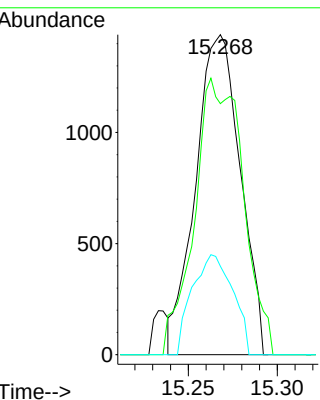
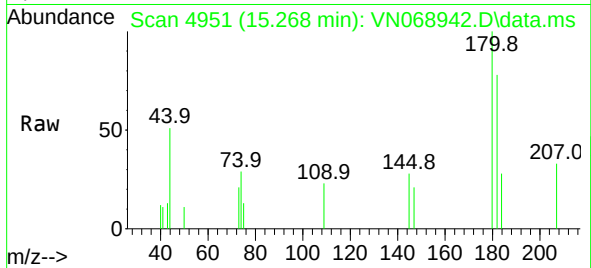




#93
1,2,4-Trichlorobenzene
Concen: 3.275 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

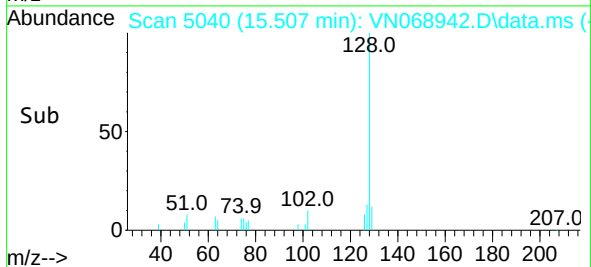
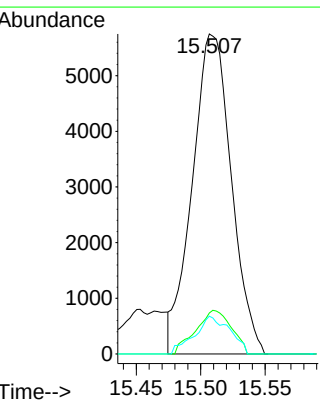
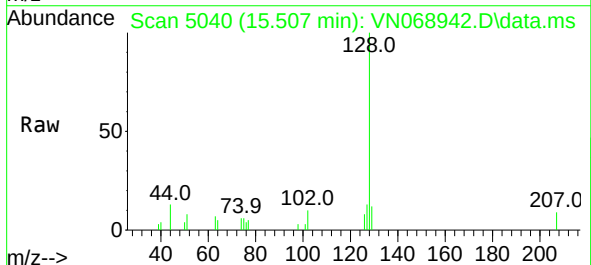
Instrument :
MSVOA_N
ClientSampled :

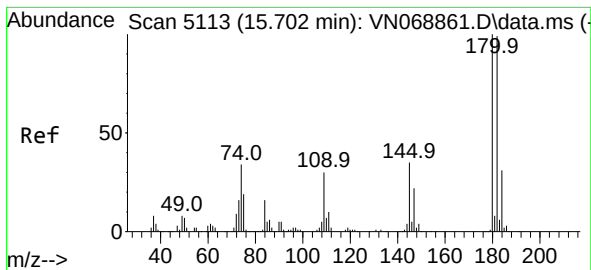
Tgt Ion:180 Resp: 2517
Ion Ratio Lower Upper
180 100
182 52.0 47.9 143.7
145 28.3 16.4 49.2



#95
Naphthalene
Concen: 4.956 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068942.D
Acq: 15 Oct 2021 11:57

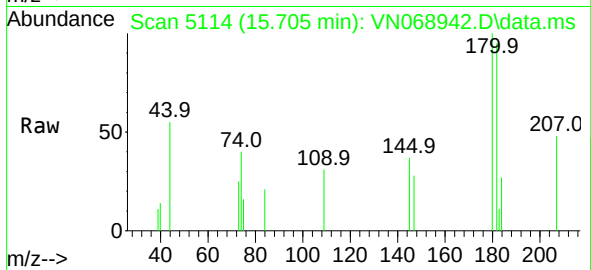
Tgt Ion:128 Resp: 12121
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 10.7 8.9 13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 3.431 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.003 min
 Lab File: VN068942.D
 Acq: 15 Oct 2021 11:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 3257
 Ion Ratio Lower Upper
 180 100
 182 84.2 48.1 144.3
 145 25.0 17.4 52.2

