

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070129.D
 Acq On : 16 Dec 2021 11:23
 Operator : JC/MD
 Sample : VN1215WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 15:45:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

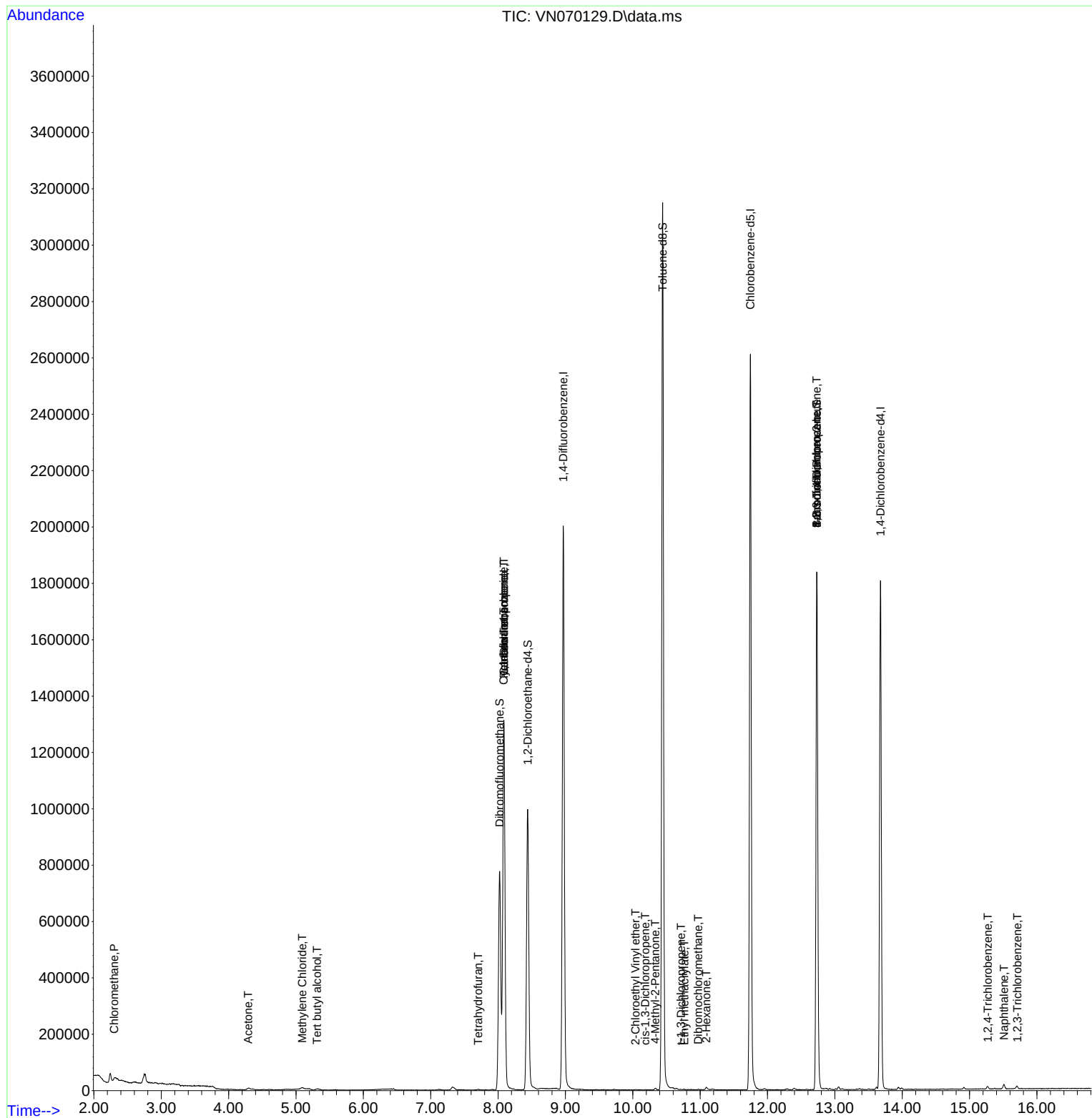
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	972632	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1661929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1458935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	493930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	865646	57.643	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.280%
35) Dibromofluoromethane	8.024	113	566547	54.424	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.840%
50) Toluene-d8	10.443	98	2133818	51.049	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.100%
62) 4-Bromofluorobenzene	12.731	95	668675	44.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.320%
Target Compounds						Qvalue
3) Chloromethane	2.301	50	3292	0.232	ug/l #	87
11) Tert butyl alcohol	5.312	59	2282	0.804	ug/l #	71
16) Acetone	4.288	43	4139	0.458	ug/l	99
20) Methylene Chloride	5.093	84	2758	0.230	ug/l	94
29) Tetrahydrofuran	7.705	42	1674	0.225	ug/l #	40
31) Cyclohexane	8.083	56	24620	1.178	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	83220	5.260	ug/l #	49
38) Carbon Tetrachloride	8.086	117	99910	6.440	ug/l #	17
51) 4-Methyl-2-Pentanone	10.333	43	4806	0.213	ug/l #	81
53) t-1,3-Dichloropropene	10.714	75	379	2.813	ug/l #	28
54) cis-1,3-Dichloropropene	10.186	75	363	2.016	ug/l #	47
56) Ethyl methacrylate	10.768	69	671	2.308	ug/l #	79
58) 2-Chloroethyl Vinyl ether	10.041	63	637	18.486	ug/l #	45
59) 2-Hexanone	11.092	43	8130	0.475	ug/l #	61
60) Dibromochloromethane	10.971	129	239	2.394	ug/l #	11
71) Bromoform	12.731	173	3938	3.149	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	369281	26.070	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	369281	82.456	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.271	180	3585	3.295	ug/l	92
95) Naphthalene	15.512	128	13848	4.513	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.708	180	2916	2.787	ug/l	74

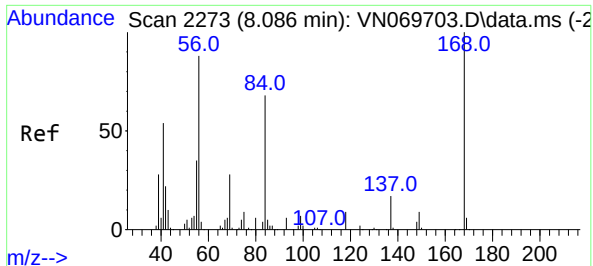
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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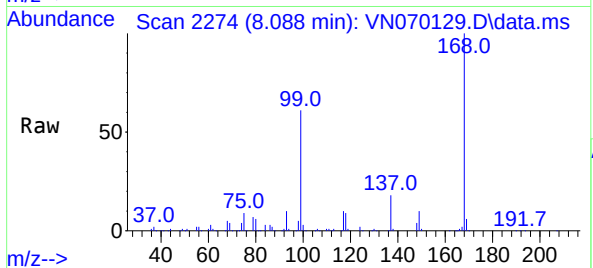
Quant Time: Dec 16 15:45:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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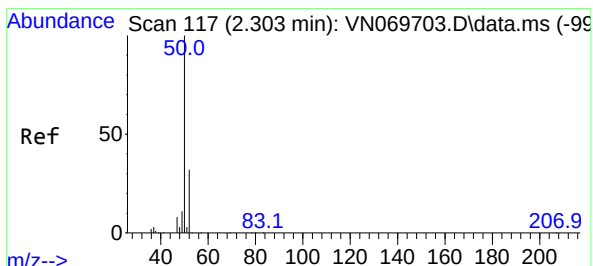
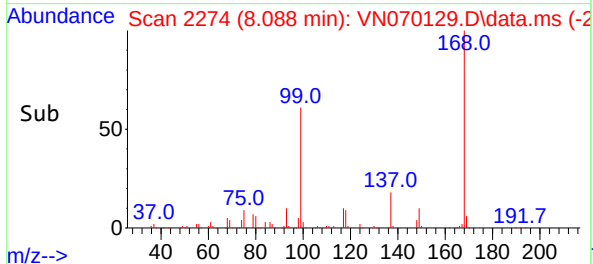
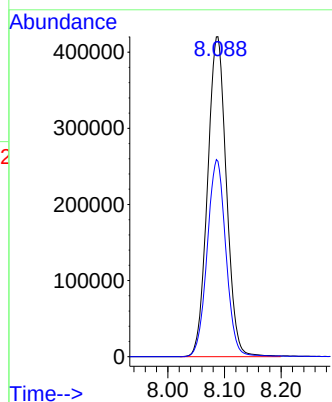


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :

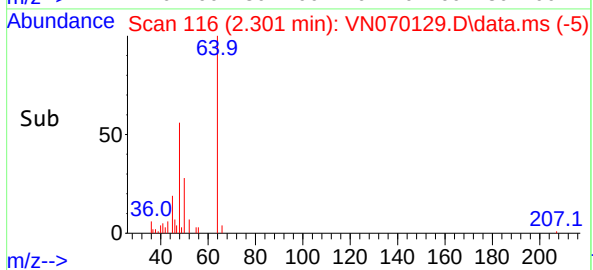
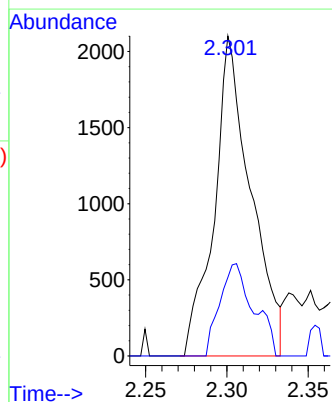
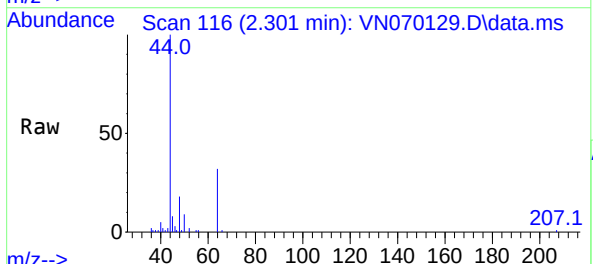


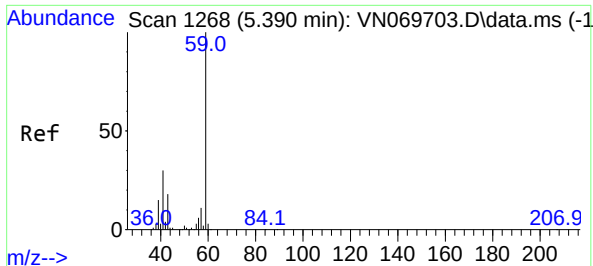
Tgt Ion:168 Resp: 972632
Ion Ratio Lower Upper
168 100
99 61.1 41.3 61.9



#3
Chloromethane
Concen: 0.232 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 50 Resp: 3292
Ion Ratio Lower Upper
50 100
52 24.5 25.4 38.0#

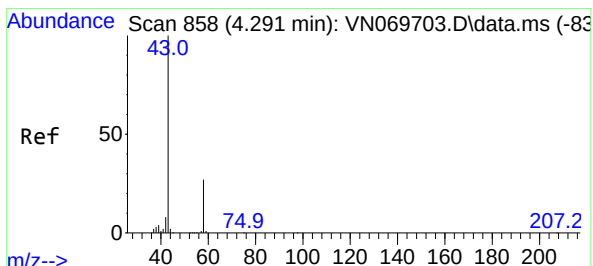
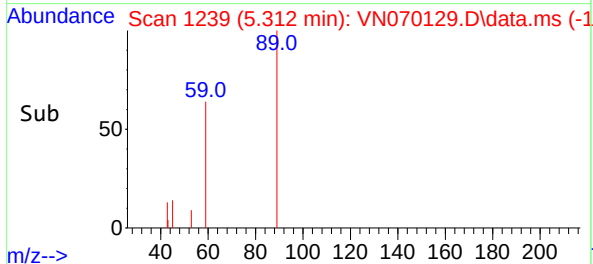
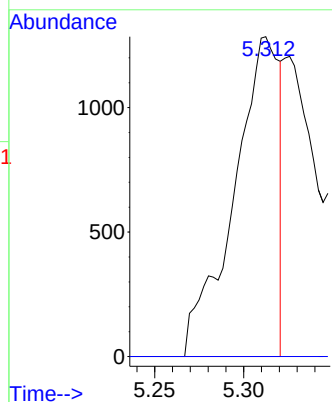
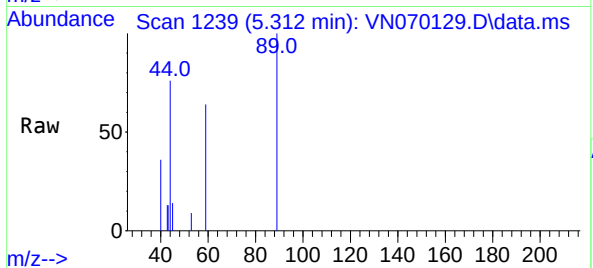




#11
Tert butyl alcohol
Concen: 0.804 ug/l
RT: 5.312 min Scan# 11
Delta R.T. -0.078 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

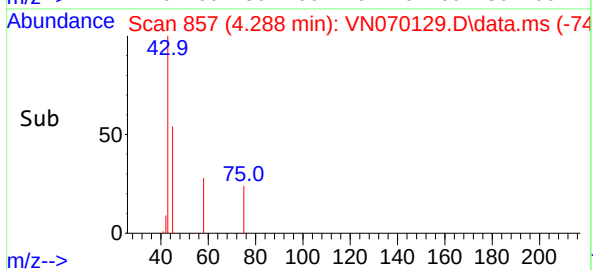
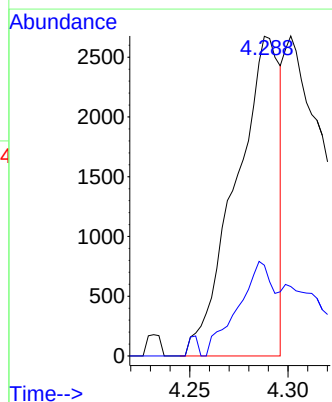
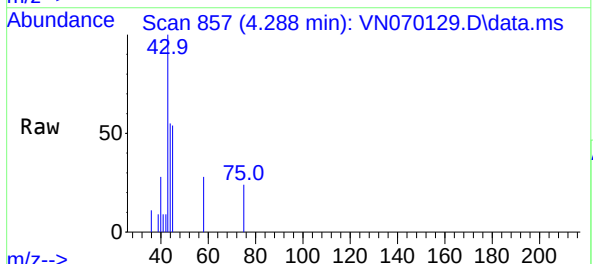
Instrument :
MSVOA_N
ClientSampleId :

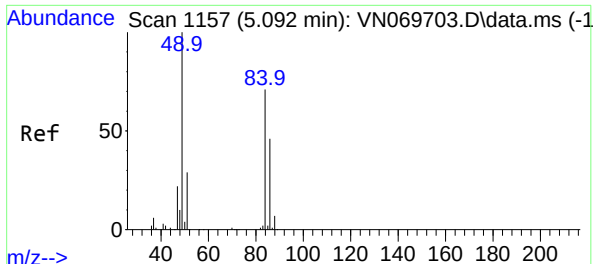
Tgt Ion: 59 Resp: 2282
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: 0.458 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

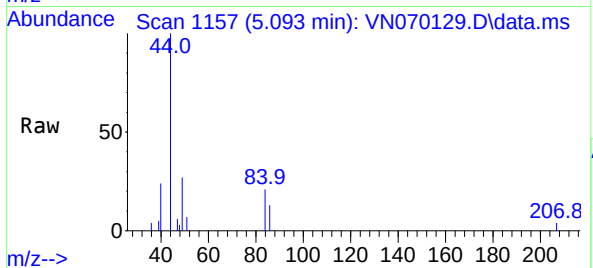
Tgt Ion: 43 Resp: 4139
Ion Ratio Lower Upper
43 100
58 28.4 23.1 34.7





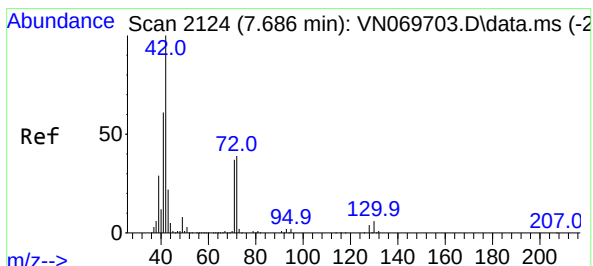
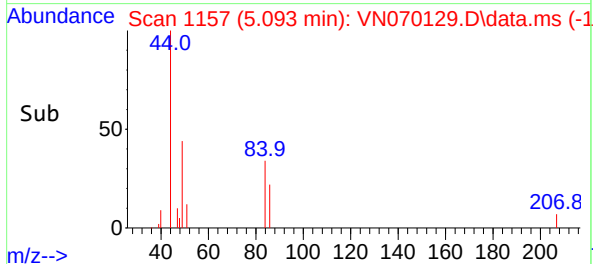
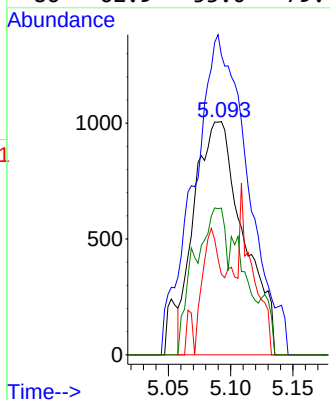
#20
Methylene Chloride
Concen: 0.230 ug/l
RT: 5.093 min Scan# 1157
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2758

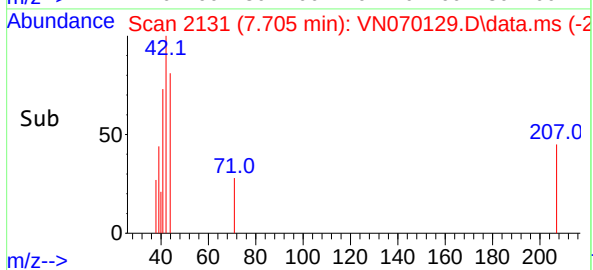
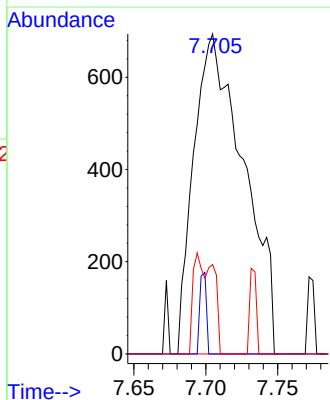
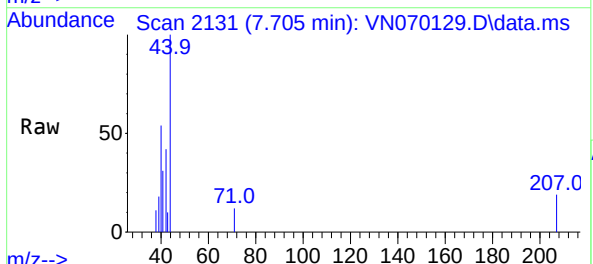
Ion	Ratio	Lower	Upper
84	100		
49	107.8	93.5	140.3
51	34.5	29.4	44.2
86	62.9	53.0	79.4

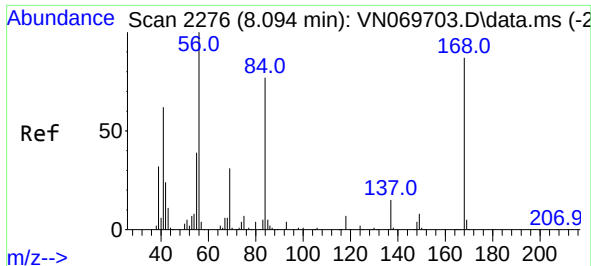


#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.019 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 42 Resp: 1674

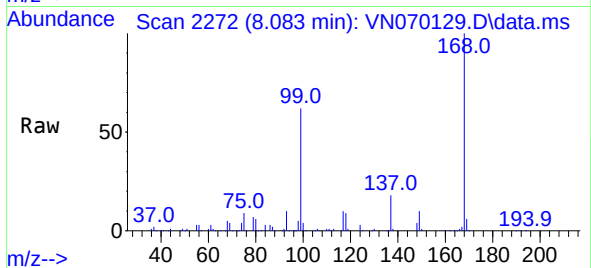
Ion	Ratio	Lower	Upper
42	100		
72	3.3	36.3	54.5#
71	7.2	34.7	52.1#



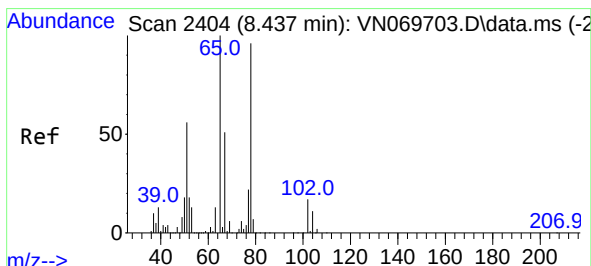
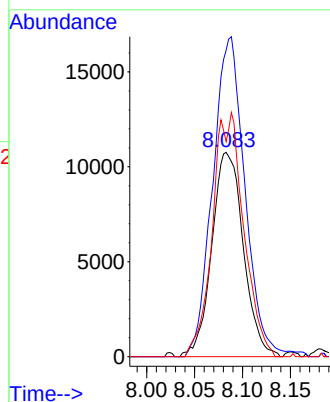
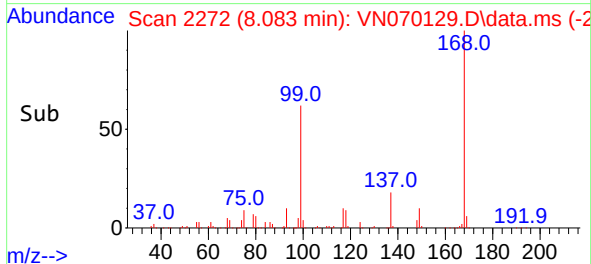


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.011 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :

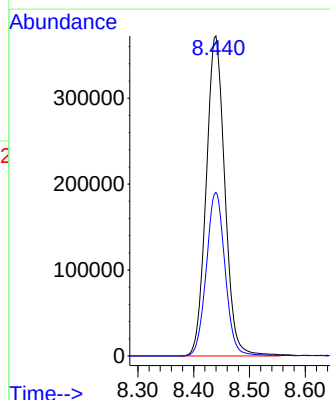
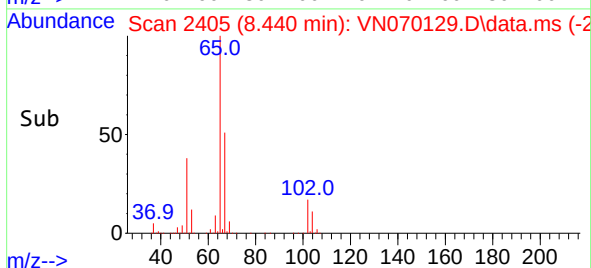
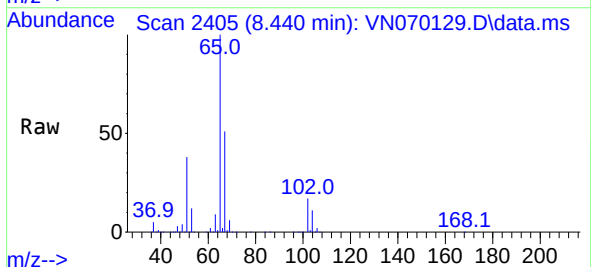


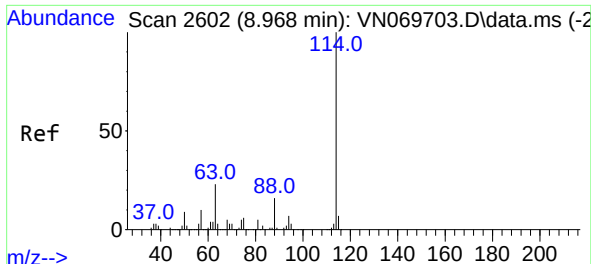
Tgt Ion: 56 Resp: 24620
Ion Ratio Lower Upper
56 100
69 149.9 27.1 40.7#
84 105.3 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 57.643 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

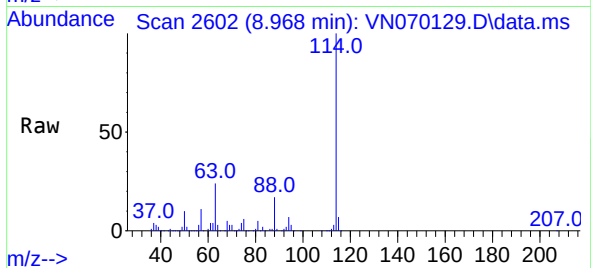
Tgt Ion: 65 Resp: 865646
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0





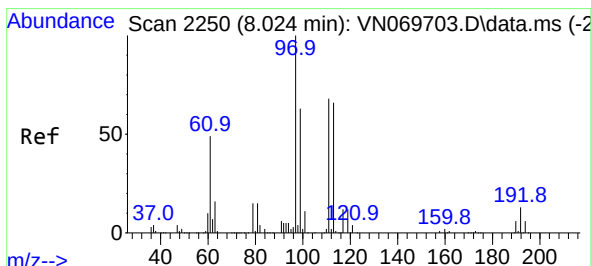
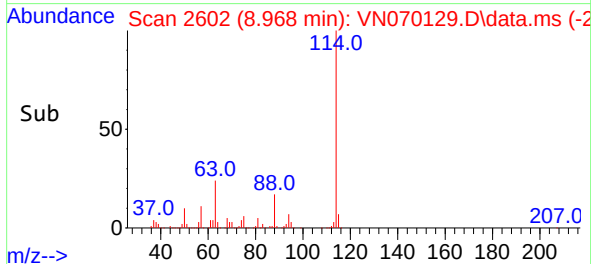
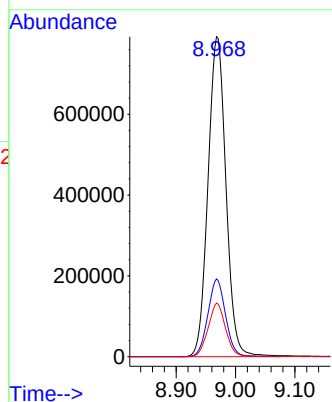
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:114 Resp: 1661929

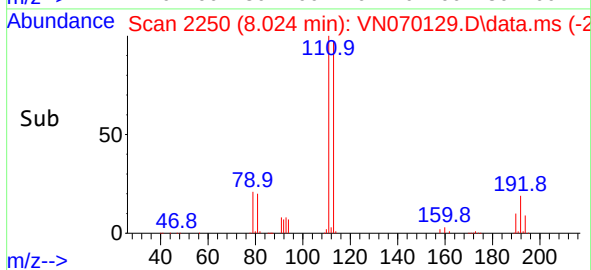
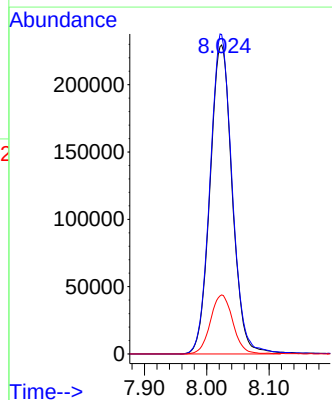
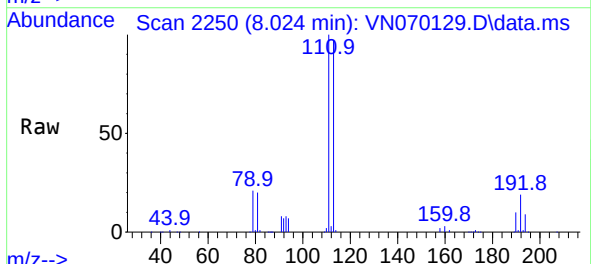
Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	37.8
88	16.8	0.0	27.4

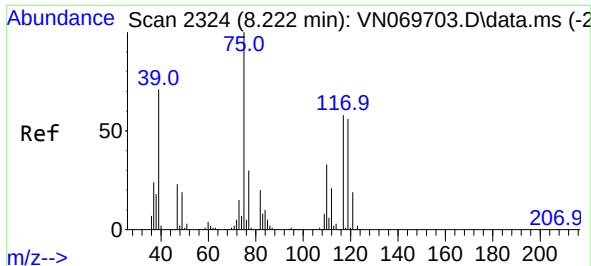


#35
Dibromofluoromethane
Concen: 54.424 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion:113 Resp: 566547

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.2
192	19.3	16.9	25.3





#36

1,1-Dichloropropene

Concen: 5.260 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN070129.D

Acq: 16 Dec 2021 11:23

Instrument :

MSVOA_N

ClientSampleId :

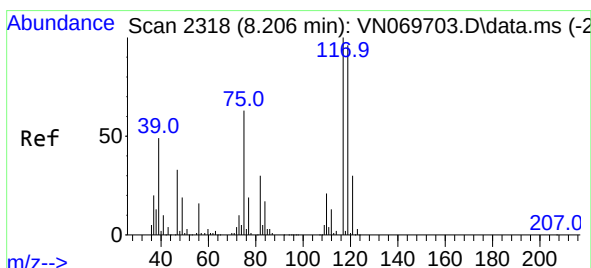
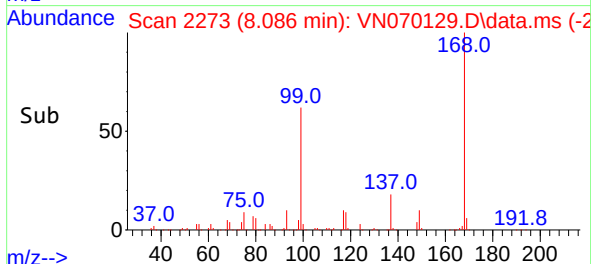
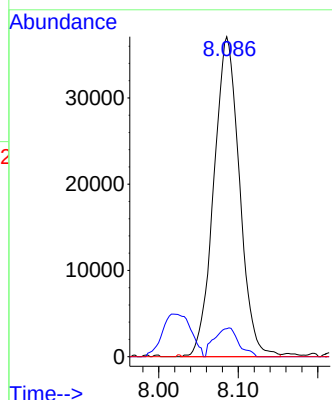
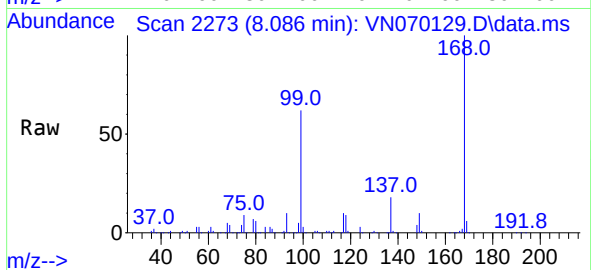
Tgt Ion: 75 Resp: 83220

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.440 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.121 min

Lab File: VN070129.D

Acq: 16 Dec 2021 11:23

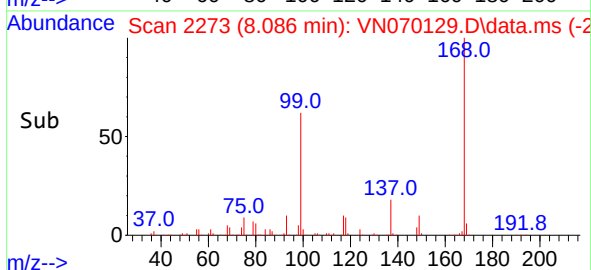
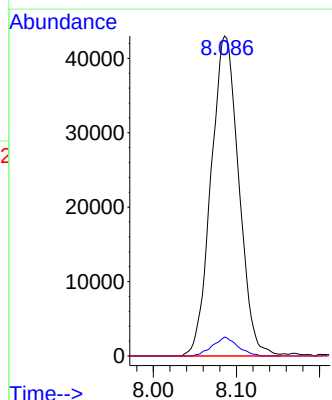
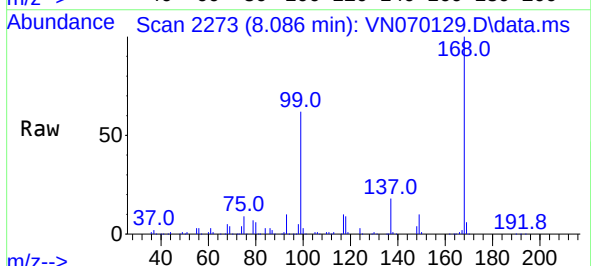
Tgt Ion: 117 Resp: 99910

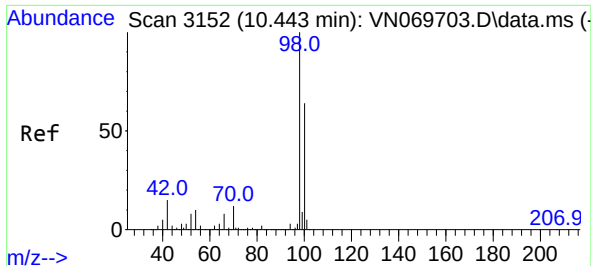
Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

121 0.0 24.2 36.2#

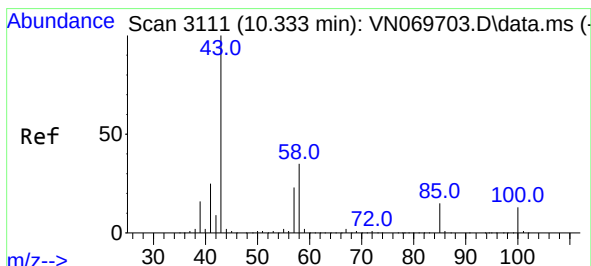
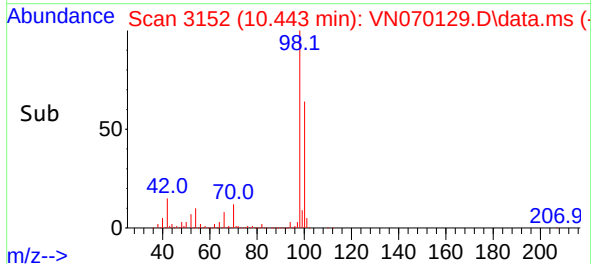
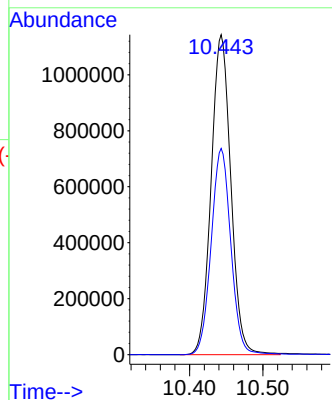
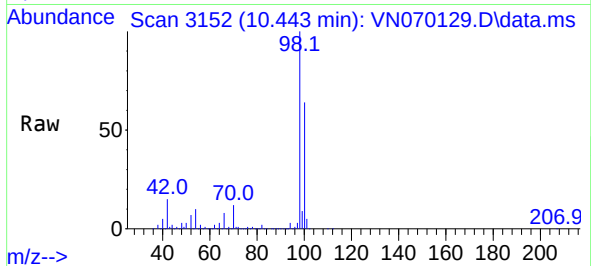




#50
Toluene-d8
Concen: 51.049 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

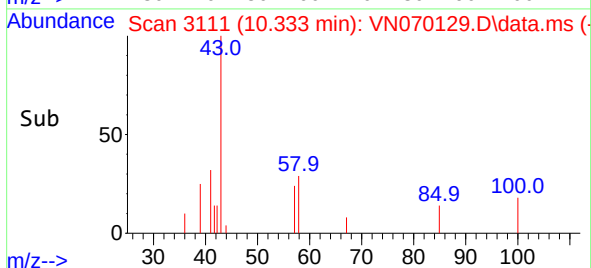
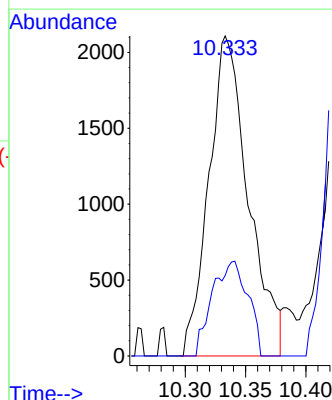
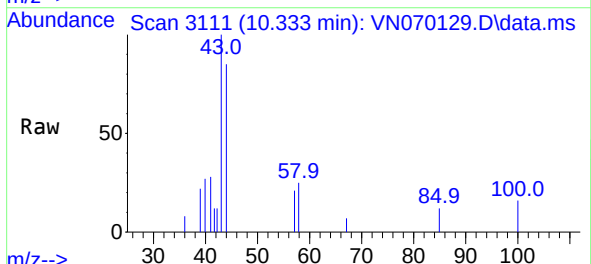
Instrument :
MSVOA_N
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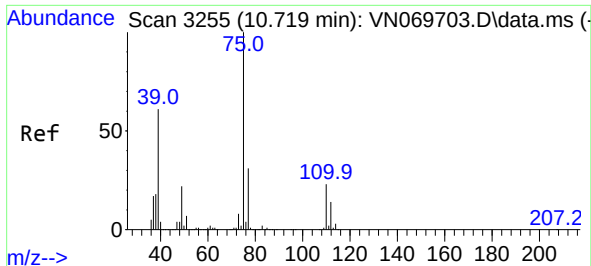
Tgt Ion: 98 Resp: 2133818
Ion Ratio Lower Upper
98 100
100 64.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.213 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 43 Resp: 4806
Ion Ratio Lower Upper
43 100
58 26.6 30.4 45.6#

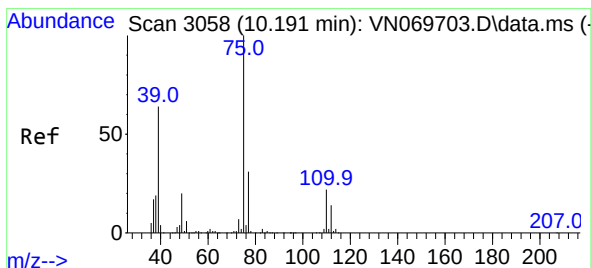
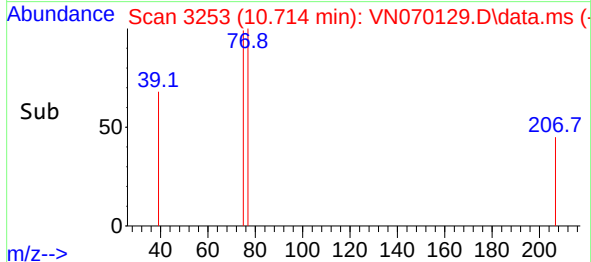
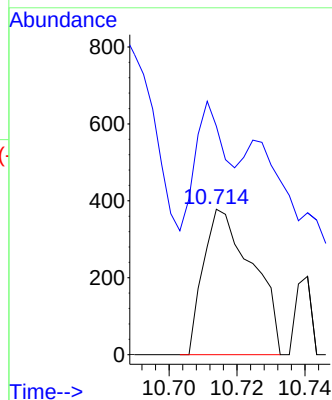
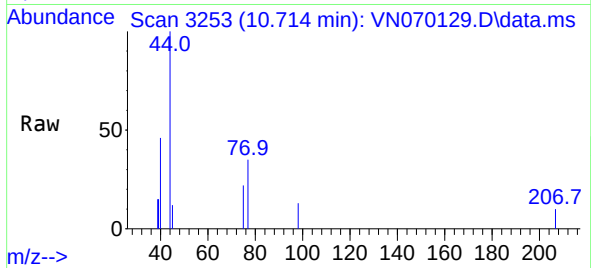




#53
t-1,3-Dichloropropene
Concen: 2.813 ug/l
RT: 10.714 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

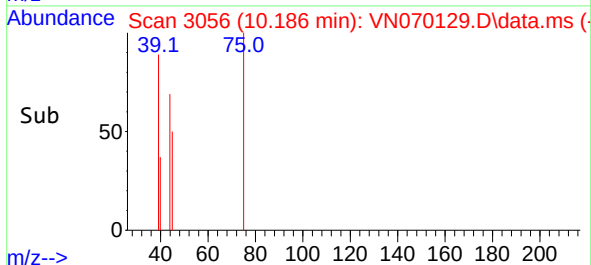
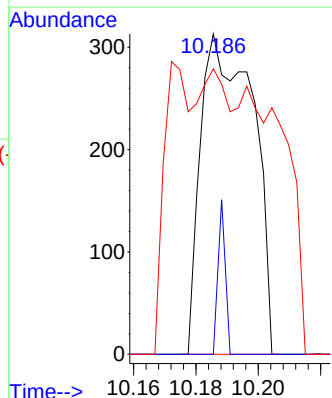
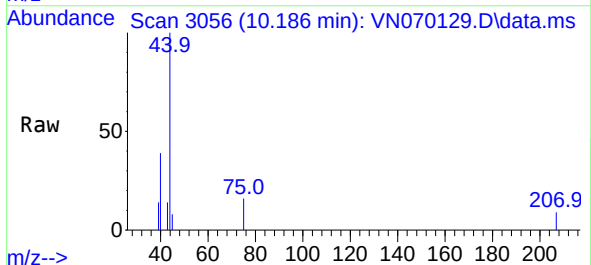
Instrument :
MSVOA_N
ClientSampleId :

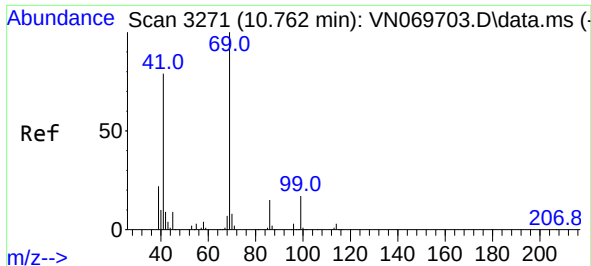
Tgt Ion: 75 Resp: 379
Ion Ratio Lower Upper
75 100
77 72.0 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.016 ug/l
RT: 10.186 min Scan# 3056
Delta R.T. -0.005 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

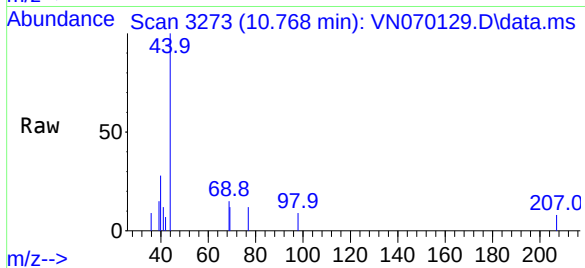
Tgt Ion: 75 Resp: 363
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 17.6 42.5 63.7#



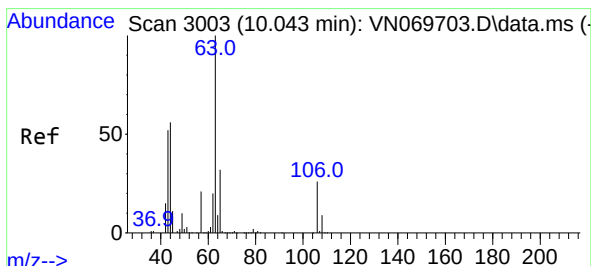
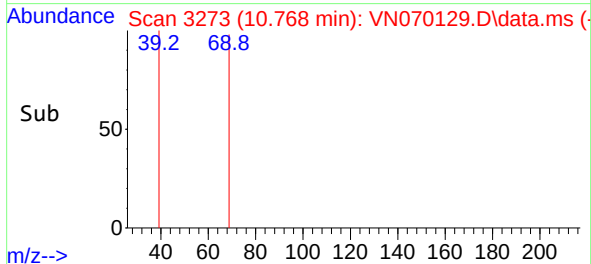
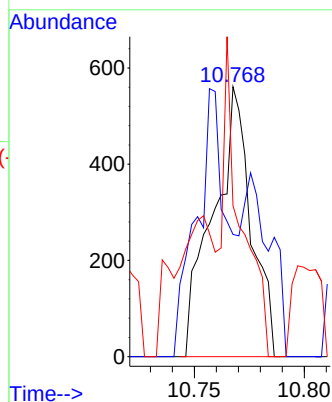


#56
Ethyl methacrylate
Concen: 2.308 ug/l
RT: 10.768 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :

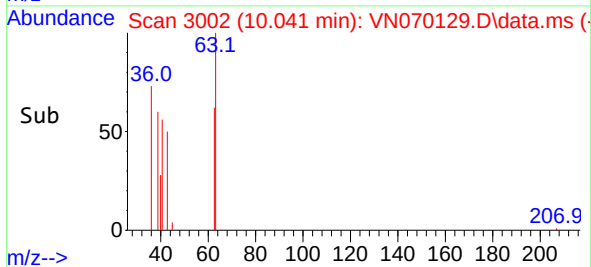
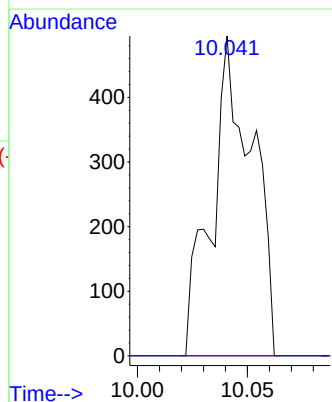
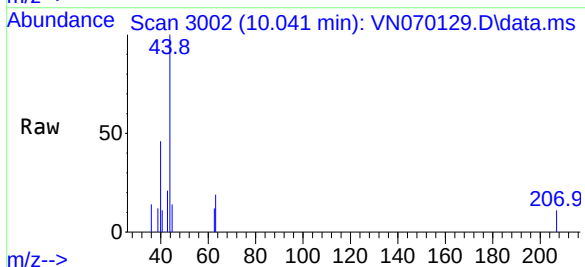


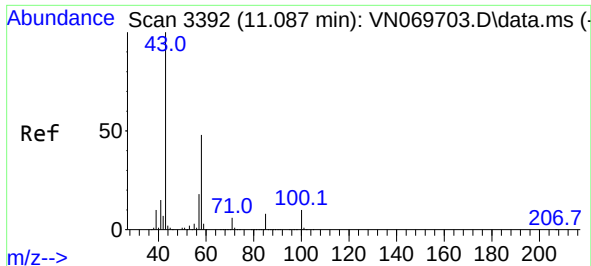
Tgt Ion: 69 Resp: 671
Ion Ratio Lower Upper
69 100
41 47.2 51.4 77.0#
39 55.6 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.486 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.002 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 63 Resp: 637
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

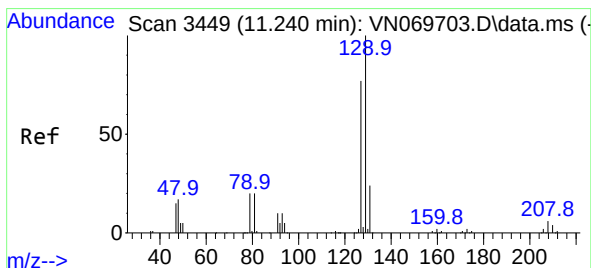
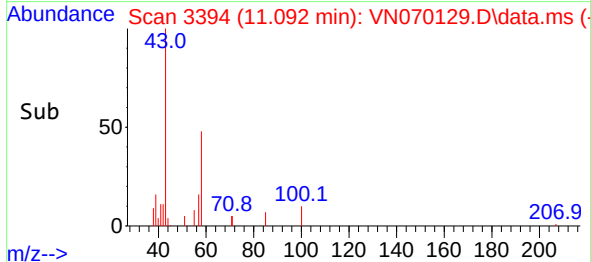
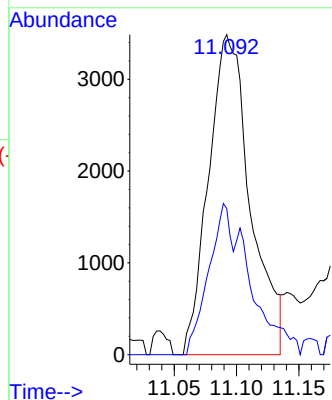
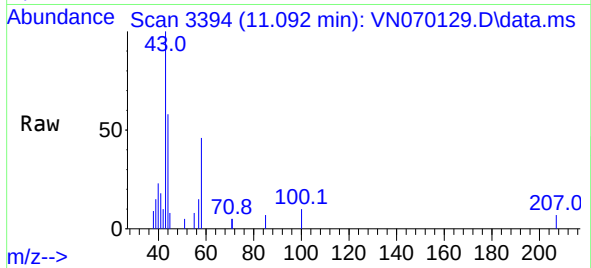




#59
2-Hexanone
Concen: 0.475 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

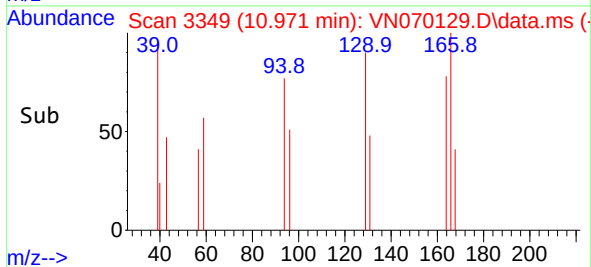
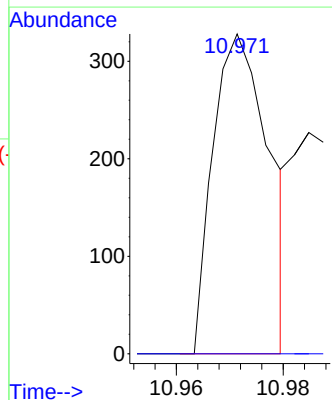
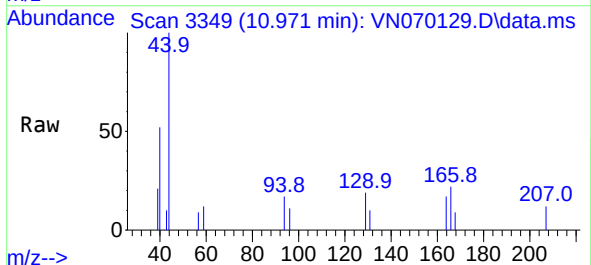
Instrument :
MSVOA_N
ClientSampleId :

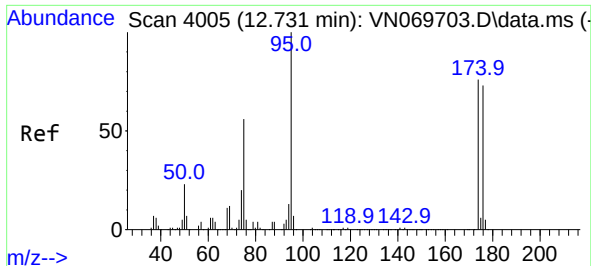
Tgt Ion: 43 Resp: 8130
Ion Ratio Lower Upper
43 100
58 26.2 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.394 ug/l
RT: 10.971 min Scan# 3349
Delta R.T. -0.269 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 129 Resp: 239
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

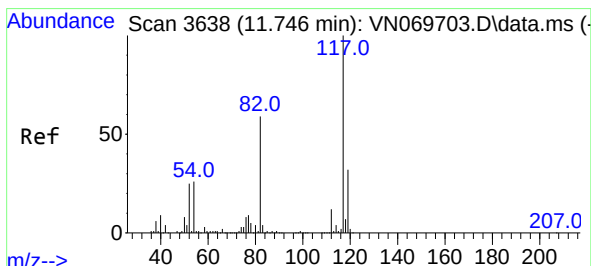
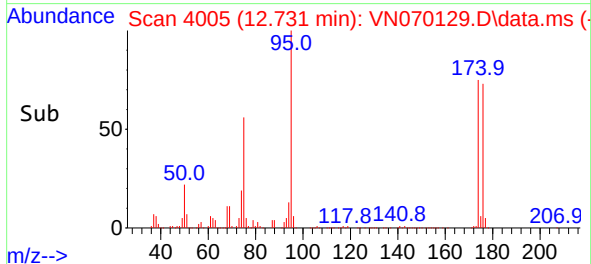
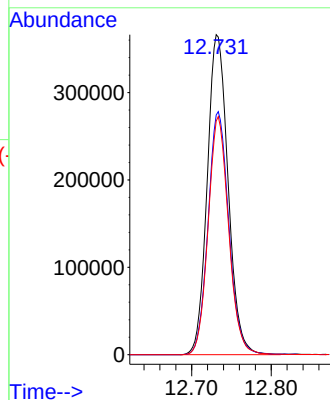
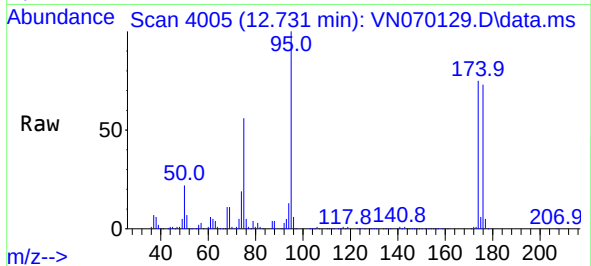




#62
4-Bromofluorobenzene
Concen: 44.157 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

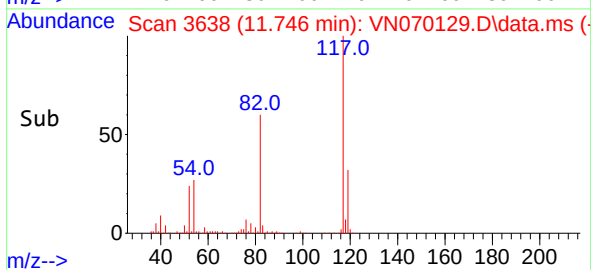
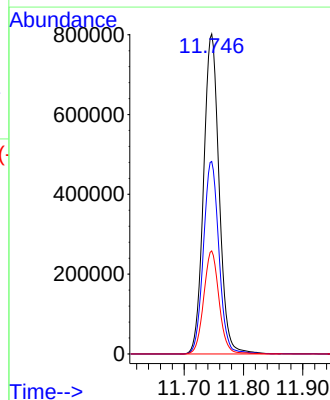
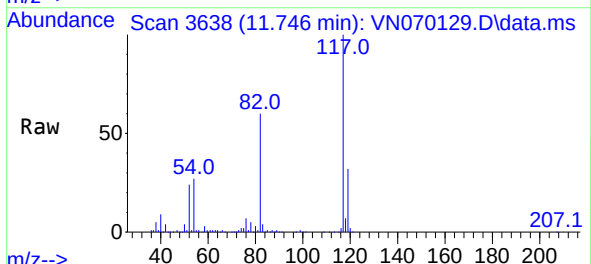
Instrument :
MSVOA_N
ClientSampleId :

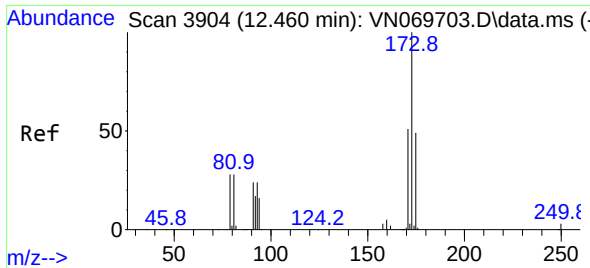
Tgt Ion: 95 Resp: 668675
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 72.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion: 117 Resp: 1458935
Ion Ratio Lower Upper
117 100
82 60.1 42.4 63.6
119 32.2 25.4 38.2

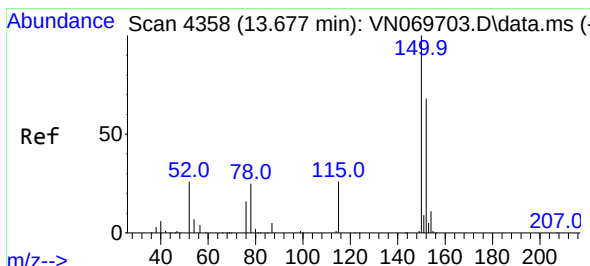
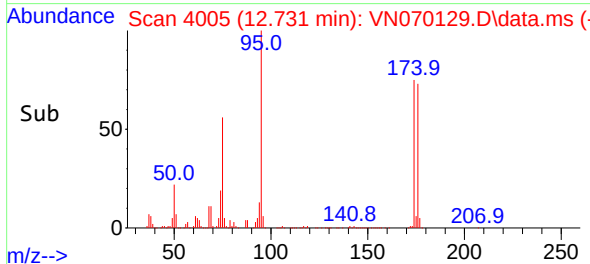
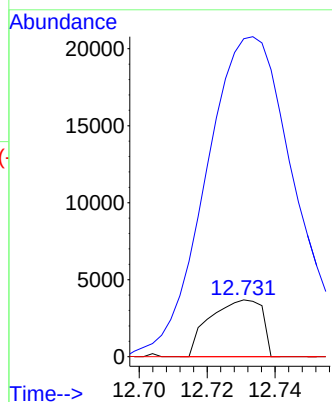
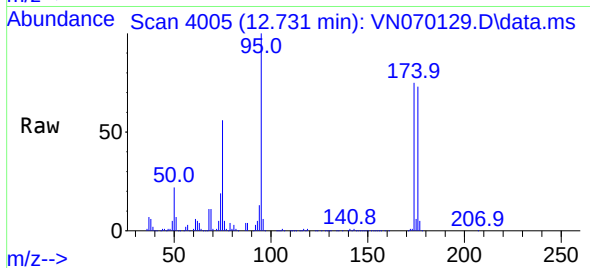




#71
Bromoform
Concen: 3.149 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

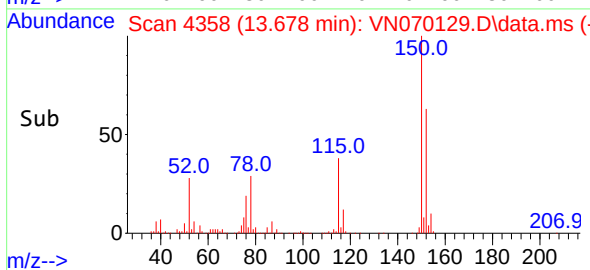
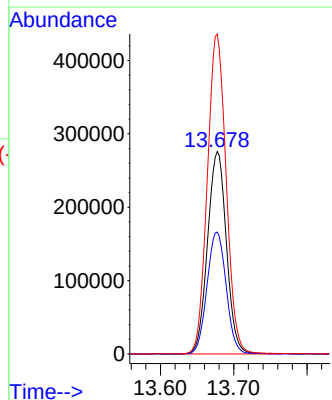
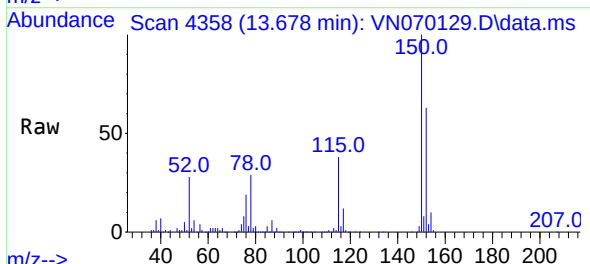
Instrument :
MSVOA_N
ClientSampleId :

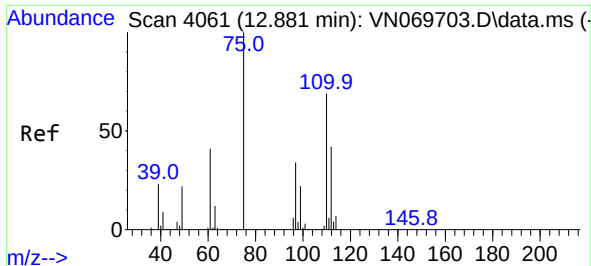
Tgt Ion:173 Resp: 3938
Ion Ratio Lower Upper
173 100
175 888.2 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Tgt Ion:152 Resp: 493930
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 157.3 0.0 344.4

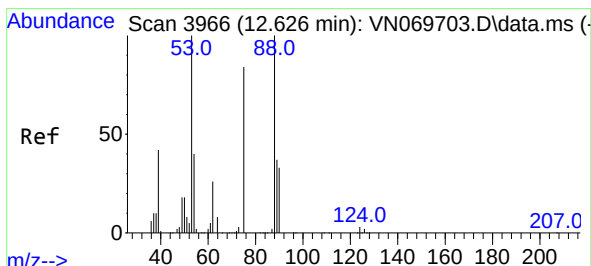
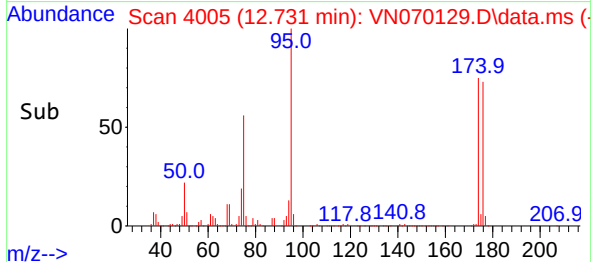
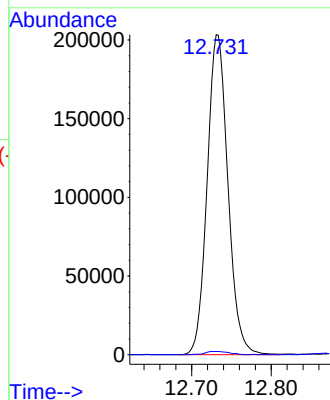
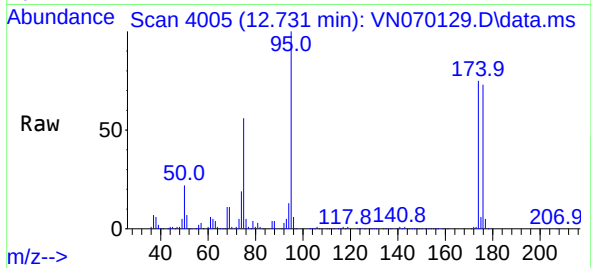




#76
1,2,3-Trichloropropane
Concen: 26.070 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

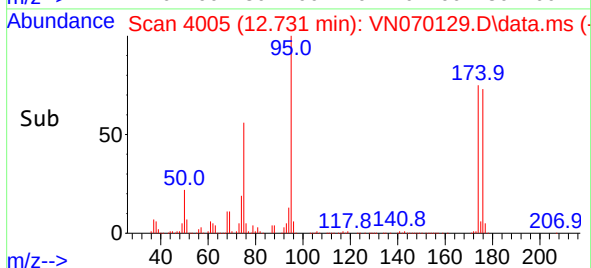
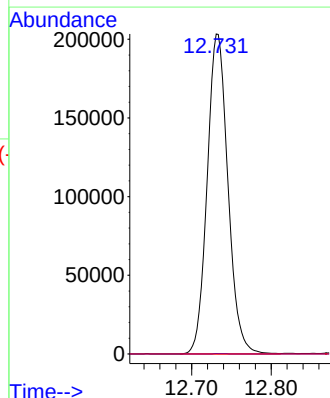
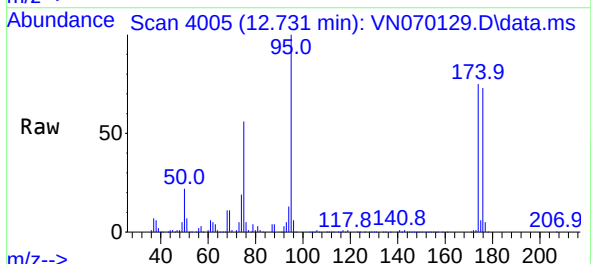
Instrument :
MSVOA_N
ClientSampleId :

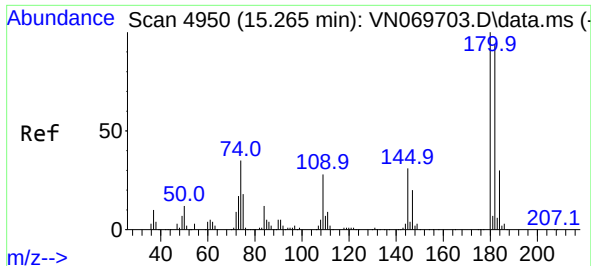
Tgt Ion: 75 Resp: 369281
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.456 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

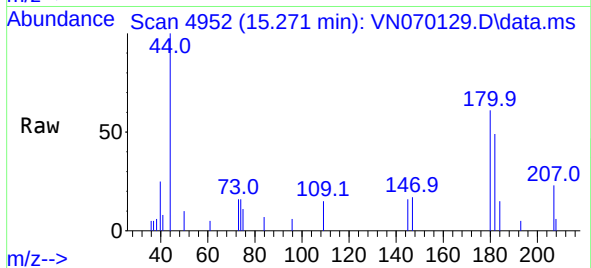
Tgt Ion: 75 Resp: 369281
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



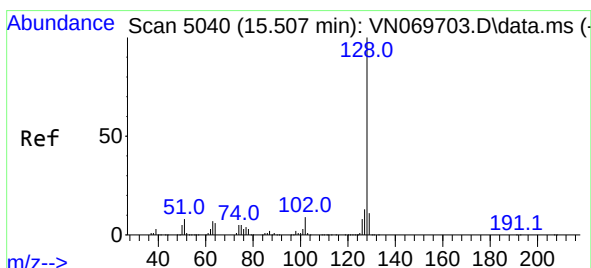
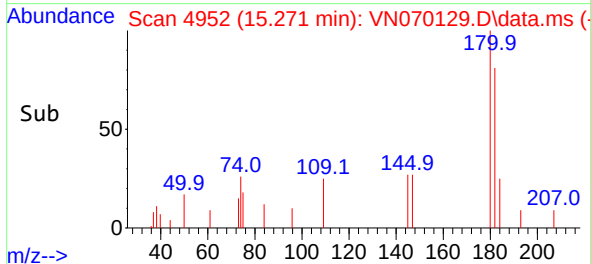
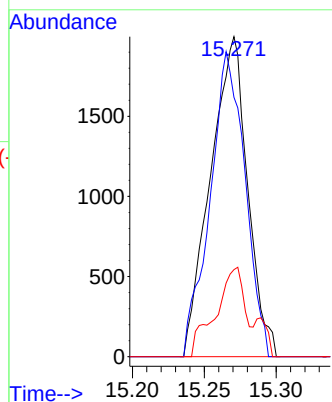


#93
1,2,4-Trichlorobenzene
Concen: 3.295 ug/l
RT: 15.271 min Scan# 4950
Delta R.T. 0.006 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

Instrument :
MSVOA_N
ClientSampleId :

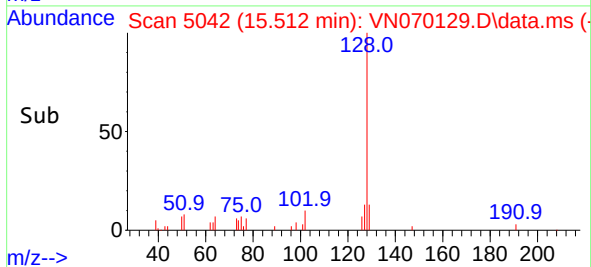
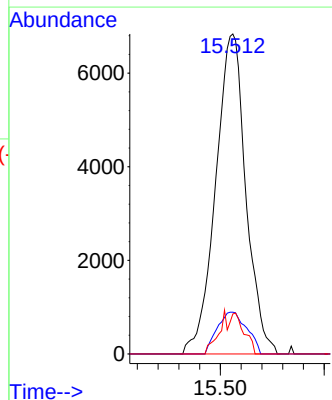
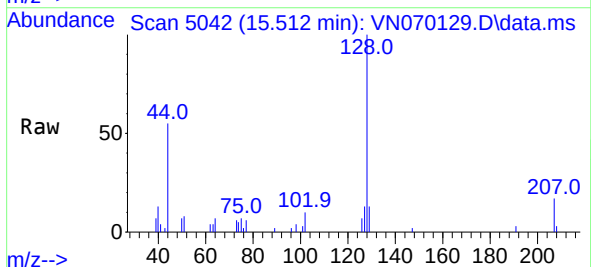


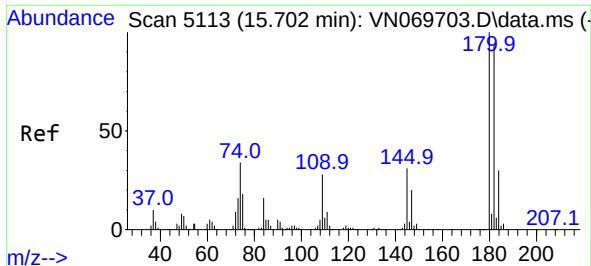
Tgt Ion:180 Resp: 3585
Ion Ratio Lower Upper
180 100
182 89.6 48.3 144.9
145 22.4 14.5 43.5



#95
Naphthalene
Concen: 4.513 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN070129.D
Acq: 16 Dec 2021 11:23

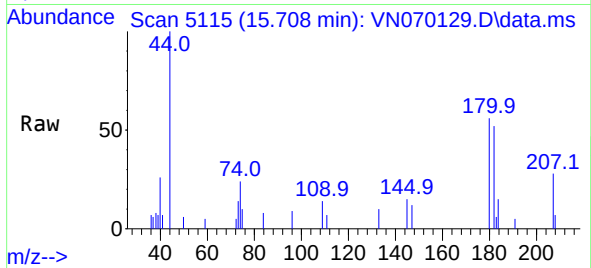
Tgt Ion:128 Resp: 13848
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 5.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.787 ug/l
 RT: 15.708 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VN070129.D
 Acq: 16 Dec 2021 11:23

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	2916
Ion	Ratio	Lower	Upper
180	100		
182	124.5	47.4	142.2
145	24.7	15.0	45.1

