

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069948.D
 Acq On : 10 Dec 2021 7:36
 Operator : JC/MD
 Sample : M4967-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7S

Quant Time: Dec 10 08:17:22 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)

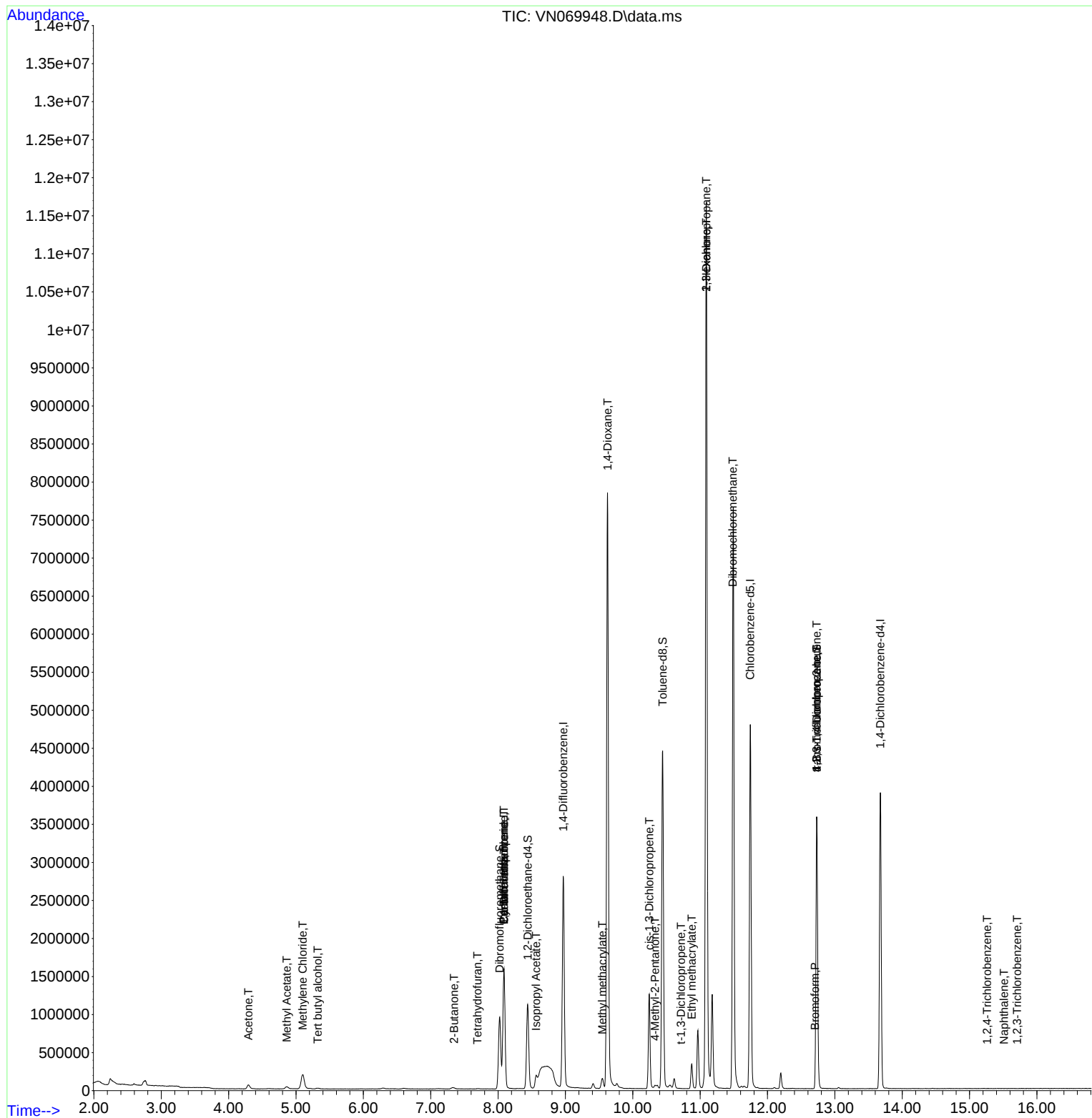
Internal Standards						
1) Pentafluorobenzene	8.088	168	1166929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2270994	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2607049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1037007	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	942774	52.326	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.660%			
35) Dibromofluoromethane	8.024	113	697975	49.067	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.140%			
50) Toluene-d8	10.443	98	3022191	52.911	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.820%			
62) 4-Bromofluorobenzene	12.731	95	1221078	59.010	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 118.020%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.323	59	11490	3.374	ug/l #	71
16) Acetone	4.293	43	95832	8.842	ug/l	91
18) Methyl Acetate	4.862	43	59433	1.817	ug/l #	90
20) Methylene Chloride	5.098	84	140253	9.734	ug/l	85
25) 2-Butanone	7.345	43	15617	1.060	ug/l	93
29) Tetrahydrofuran	7.694	42	4232	0.473	ug/l #	51
31) Cyclohexane	8.088	56	30794	1.228	ug/l #	38
36) 1,1-Dichloropropene	8.088	75	97944	4.530	ug/l #	48
38) Carbon Tetrachloride	8.088	117	120376	5.678	ug/l #	16
43) Isopropyl Acetate	8.566	43	210993	4.431	ug/l #	78
48) Methyl methacrylate	9.547	41	39263	1.767	ug/l #	8
49) 1,4-Dioxane	9.628	88	1153	2.892	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	23034	0.746	ug/l	91
53) t-1,3-Dichloropropene	10.717	75	98	2.798	ug/l #	76
54) cis-1,3-Dichloropropene	10.244	75	194344	8.706	ug/l #	72
56) Ethyl methacrylate	10.875	69	2044	2.343	ug/l #	1
57) 1,3-Dichloropropane	11.089	76	112961	3.941	ug/l #	43
59) 2-Hexanone	11.089	43	2056409	88.002	ug/l #	48
60) Dibromochloromethane	11.484	129	645	2.411	ug/l #	11
71) Bromoform	12.704	173	133	2.739	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	681729	22.924	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	681729	72.994	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	161	2.887	ug/l #	12
95) Naphthalene	15.509	128	1917	4.020	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.705	180	26	2.437	ug/l #	1

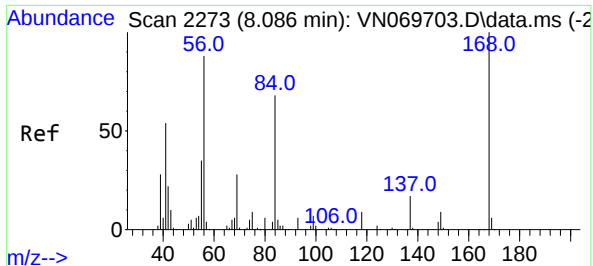
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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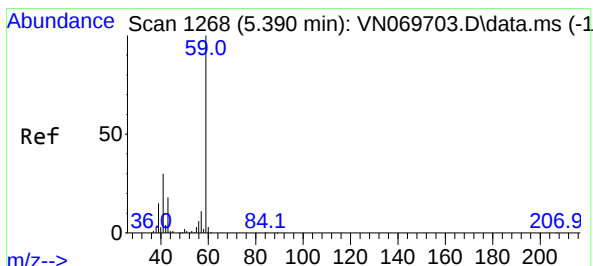
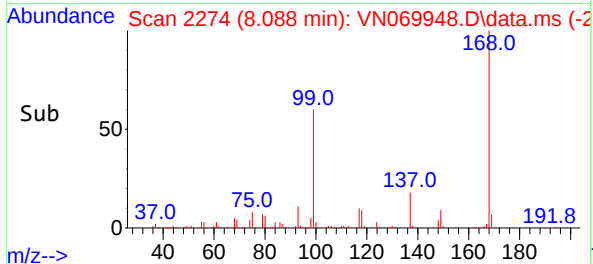
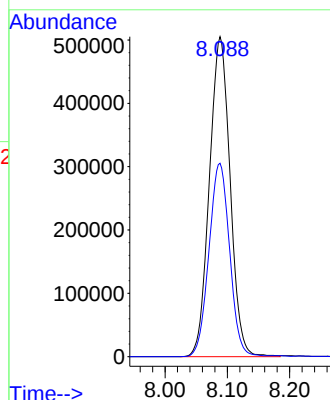
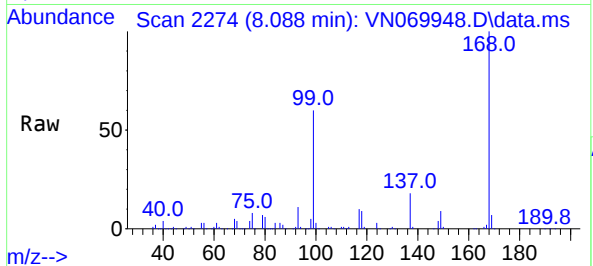




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

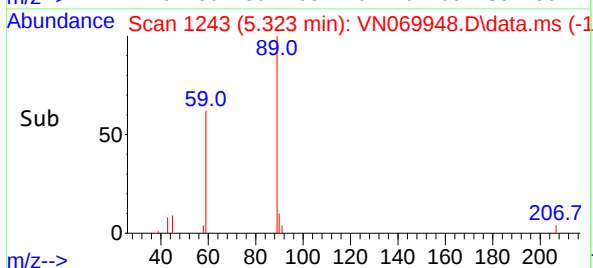
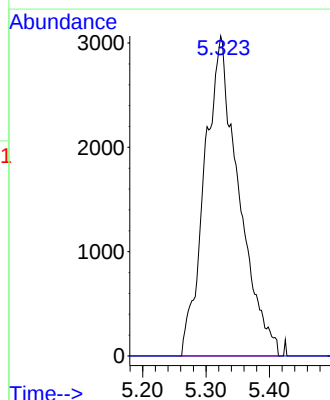
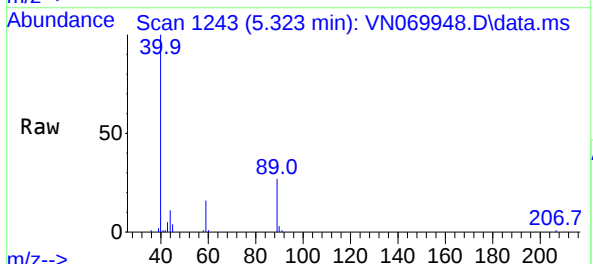
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

Tgt Ion:168 Resp: 1166929
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#11
Tert butyl alcohol
Concen: 3.374 ug/l
RT: 5.323 min Scan# 1243
Delta R.T. -0.067 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 59 Resp: 11490
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

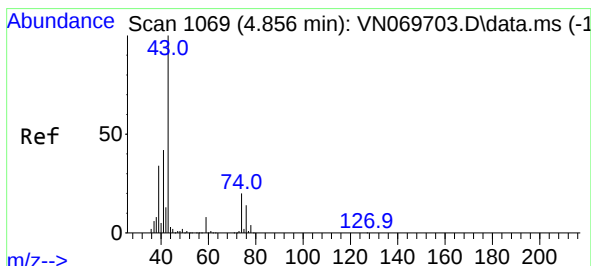
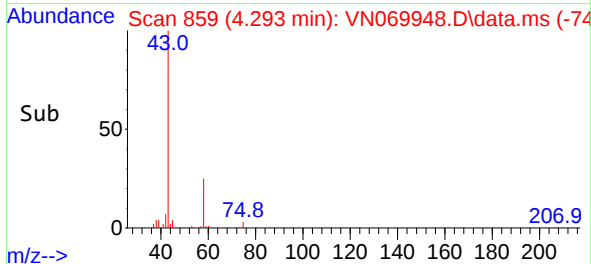
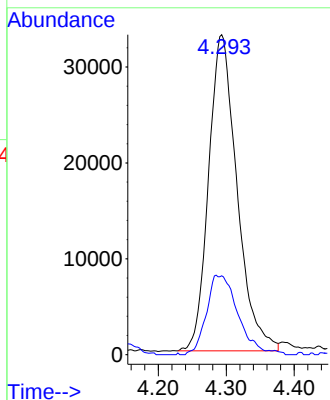
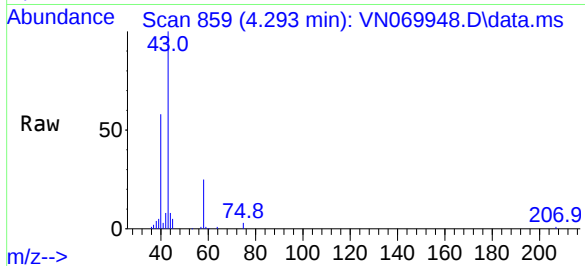




#16
Acetone
Concen: 8.842 ug/l
RT: 4.293 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

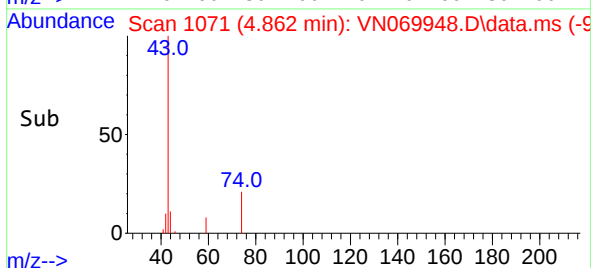
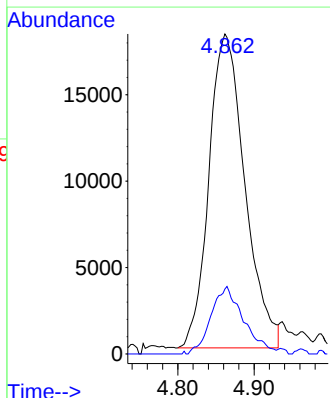
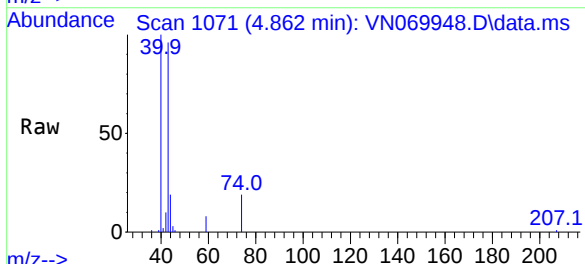
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

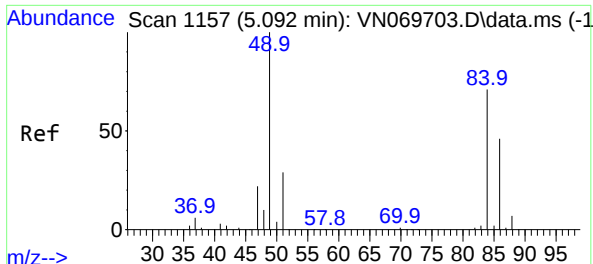
Tgt Ion: 43 Resp: 95832
Ion Ratio Lower Upper
43 100
58 24.4 23.1 34.7



#18
Methyl Acetate
Concen: 1.817 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 43 Resp: 59433
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#



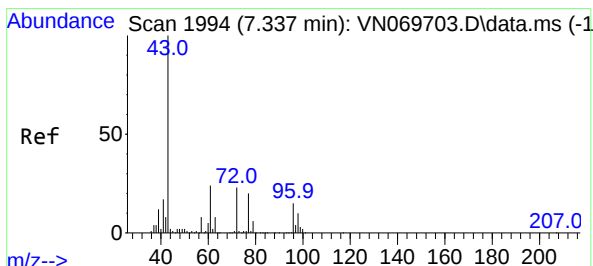
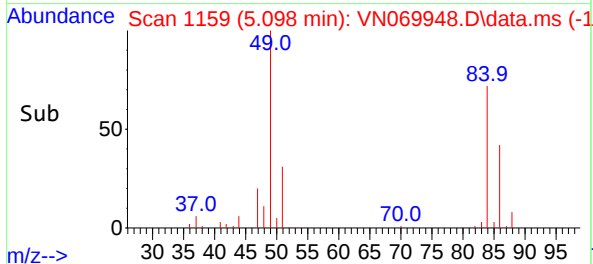
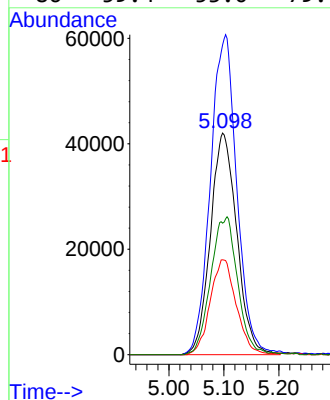
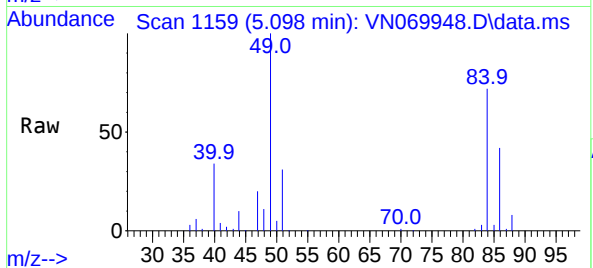


#20
Methylene Chloride
Concen: 9.734 ug/l
RT: 5.098 min Scan# 1157
Delta R.T. 0.005 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Instrument :
MSVOA_N
ClientSampleId :
TP-7S

Tgt Ion: 84 Resp: 140253

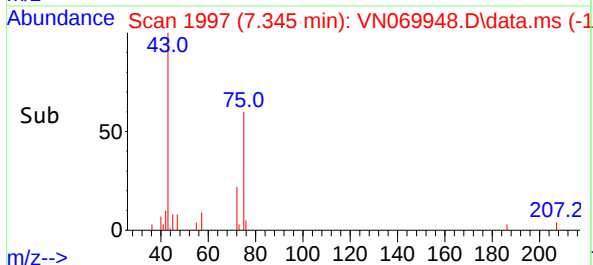
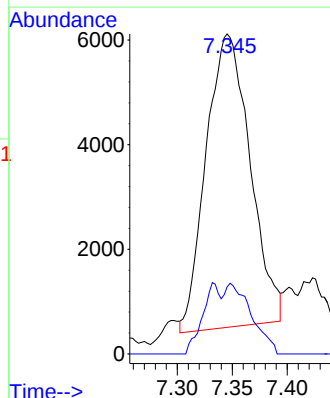
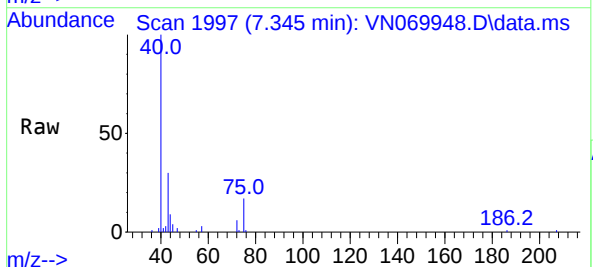
Ion	Ratio	Lower	Upper
84	100		
49	139.8	93.5	140.3
51	42.8	29.4	44.2
86	59.4	53.0	79.4

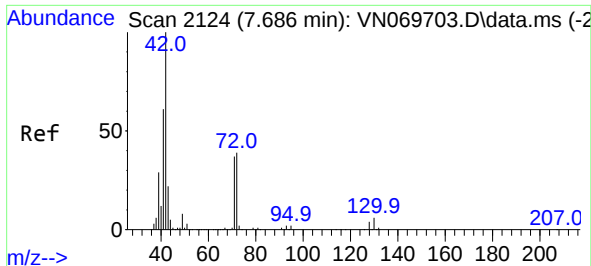


#25
2-Butanone
Concen: 1.060 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 43 Resp: 15617

Ion	Ratio	Lower	Upper
43	100		
72	23.3	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.473 ug/l

RT: 7.694 min Scan# 2124

Delta R.T. 0.008 min

Lab File: VN069948.D

Acq: 10 Dec 2021 7:36

Instrument :

MSVOA_N

ClientSampleId :

TP-7S

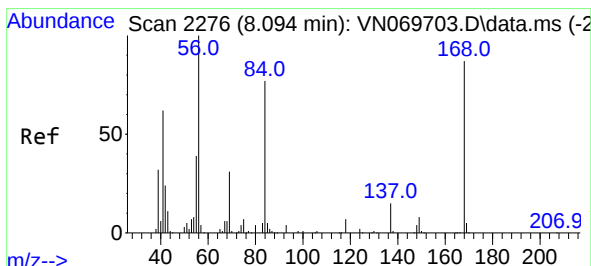
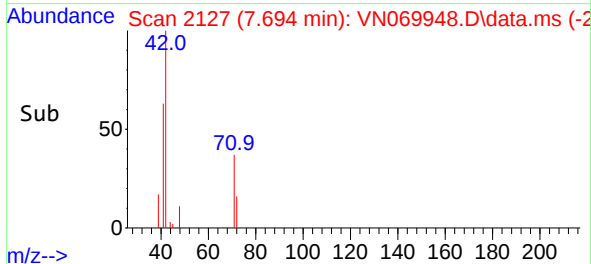
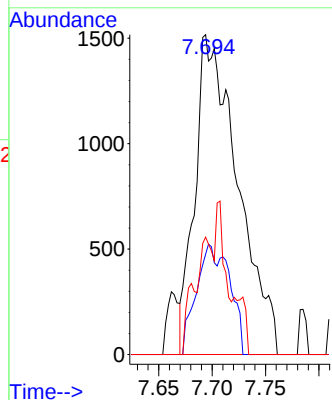
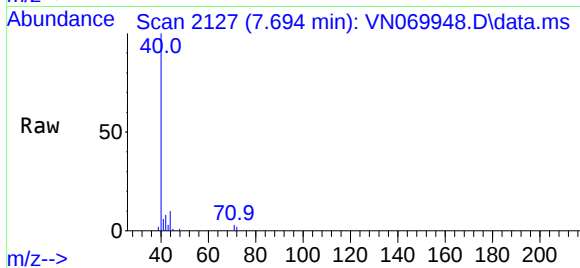
Tgt Ion: 42 Resp: 4232

Ion Ratio Lower Upper

42 100

72 16.3 36.3 54.5#

71 8.3 34.7 52.1#



#31

Cyclohexane

Concen: 1.228 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.005 min

Lab File: VN069948.D

Acq: 10 Dec 2021 7:36

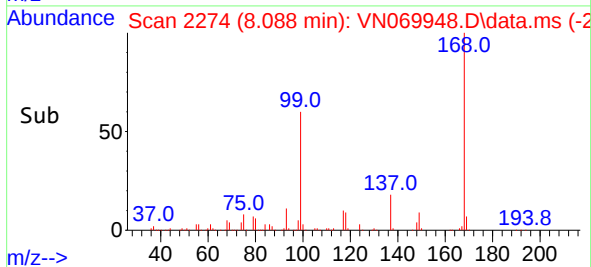
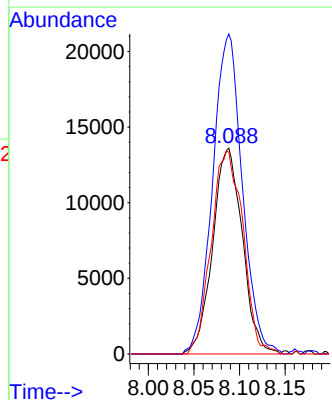
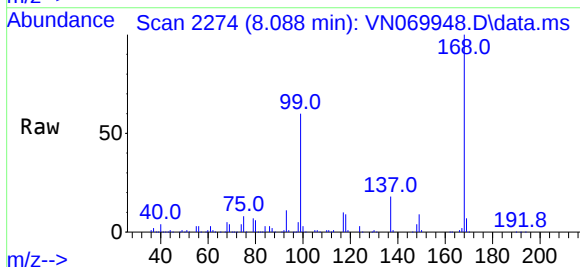
Tgt Ion: 56 Resp: 30794

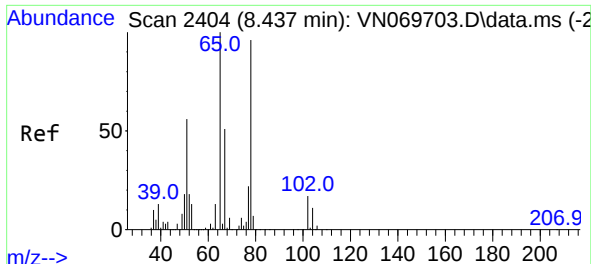
Ion Ratio Lower Upper

56 100

69 155.5 27.1 40.7#

84 98.2 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 52.326 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN069948.D

Acq: 10 Dec 2021 7:36

Instrument :

MSVOA_N

ClientSampleId :

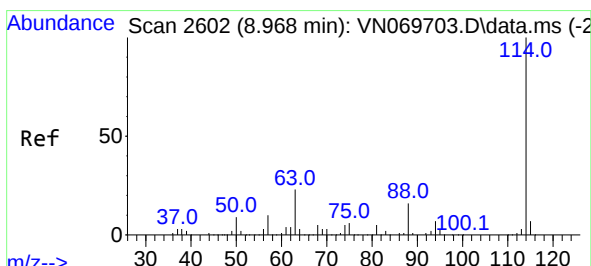
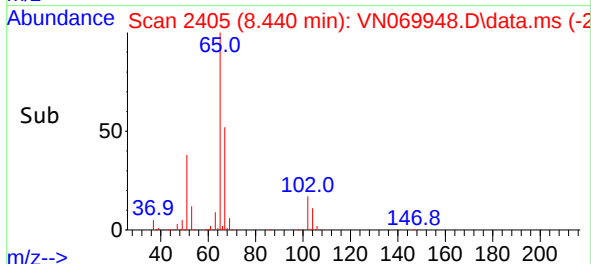
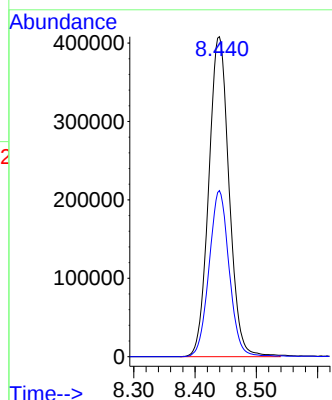
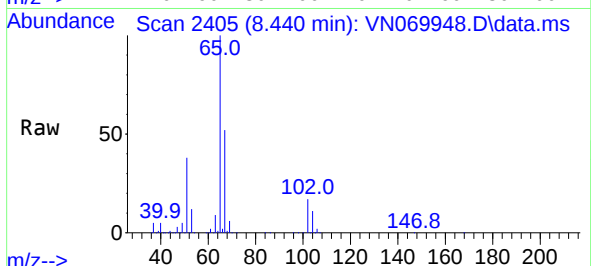
TP-7S

Tgt Ion: 65 Resp: 942774

Ion Ratio Lower Upper

65 100

67 51.0 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: VN069948.D

Acq: 10 Dec 2021 7:36

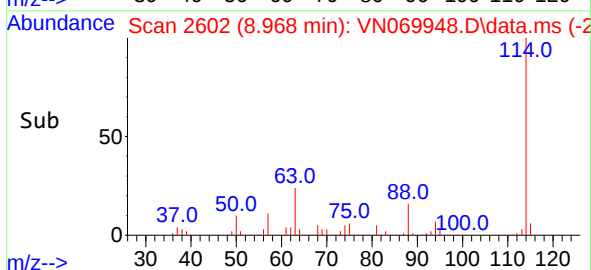
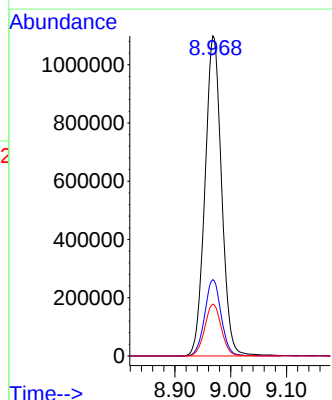
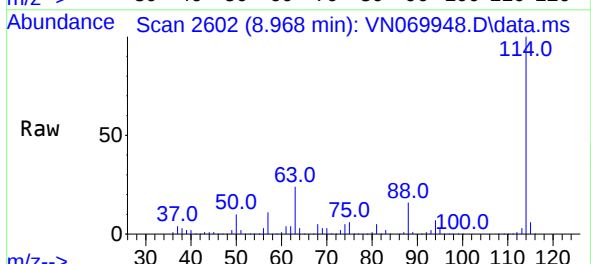
Tgt Ion: 114 Resp: 2270994

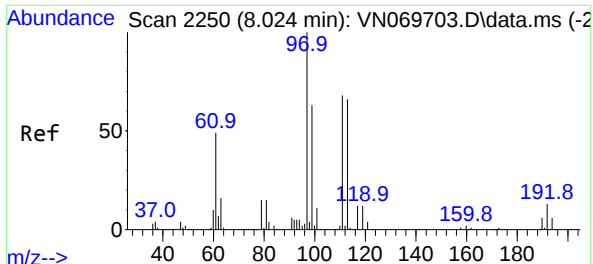
Ion Ratio Lower Upper

114 100

63 23.9 0.0 37.8

88 16.2 0.0 27.4

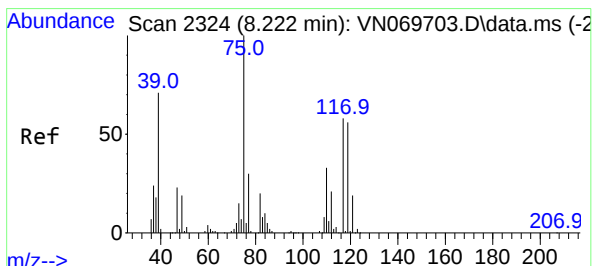
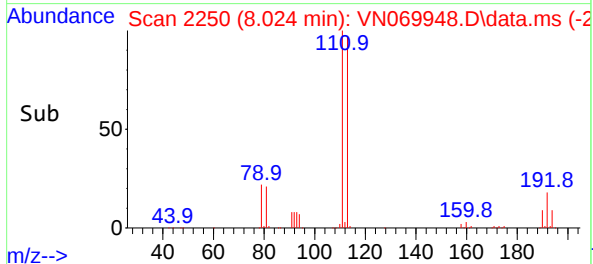
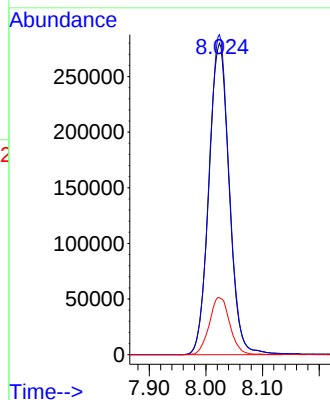
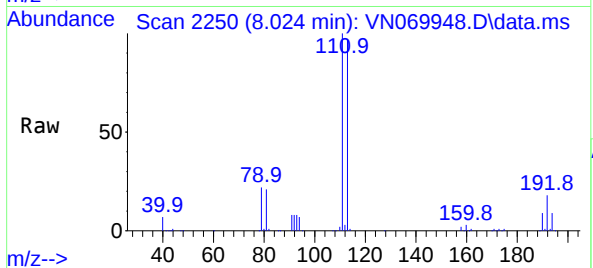




#35
Dibromofluoromethane
Concen: 49.067 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

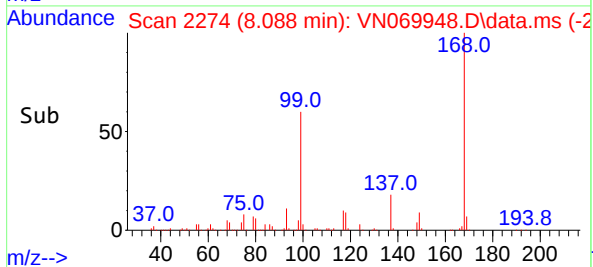
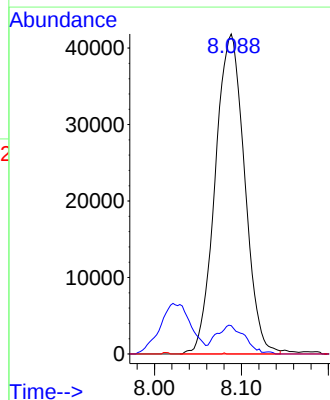
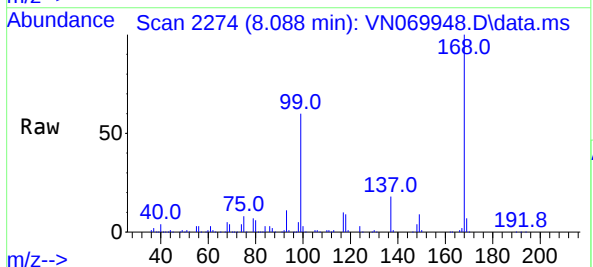
Instrument :
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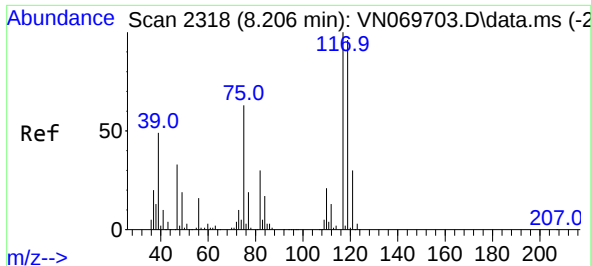
Tgt Ion:113 Resp: 697975
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

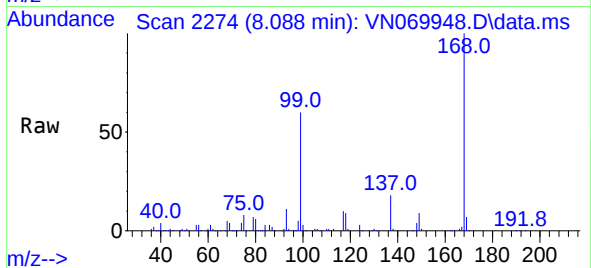
Tgt Ion: 75 Resp: 97944
Ion Ratio Lower Upper
75 100
110 8.2 18.4 55.2#
77 0.0 24.4 36.6#



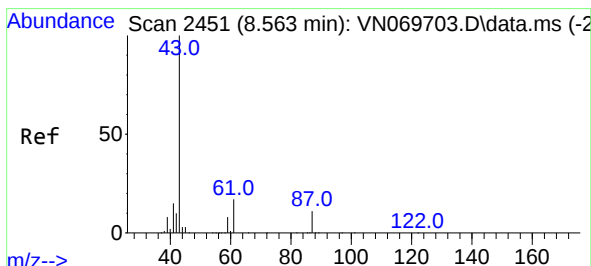
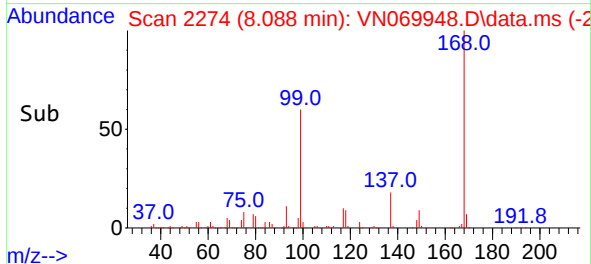
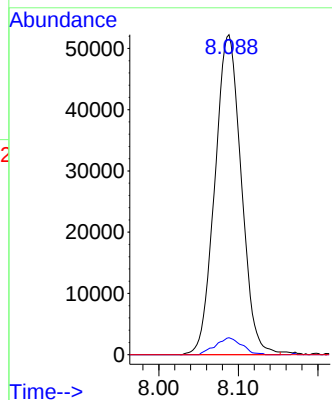


#38
Carbon Tetrachloride
Concen: 5.678 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.118 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Instrument :
MSVOA_N
ClientSampleId :
TP-7S

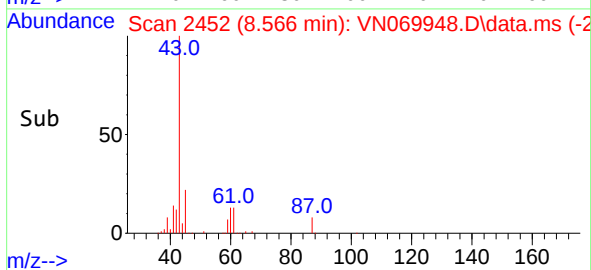
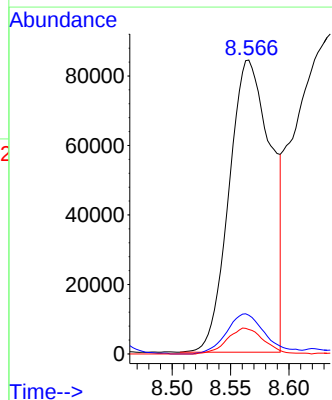
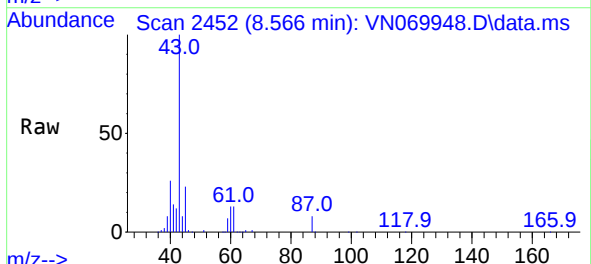


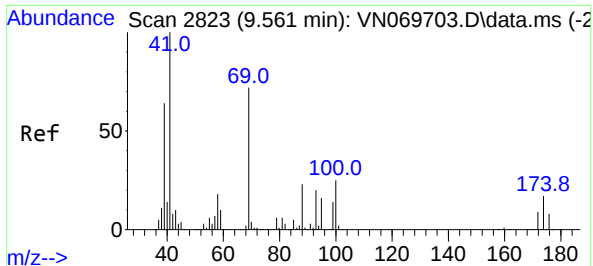
Tgt Ion:117 Resp: 120376
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.431 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 43 Resp: 210993
Ion Ratio Lower Upper
43 100
61 12.7 20.4 30.6#
87 7.7 11.2 16.8#

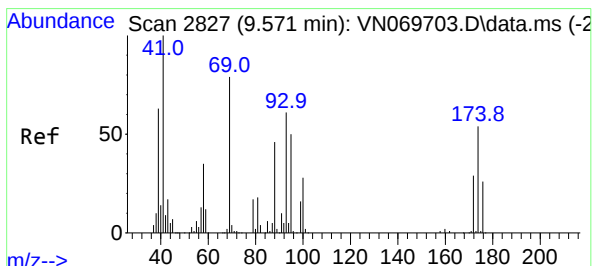
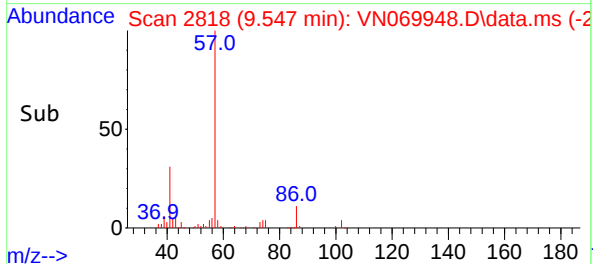
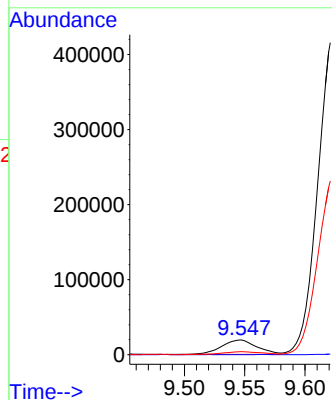
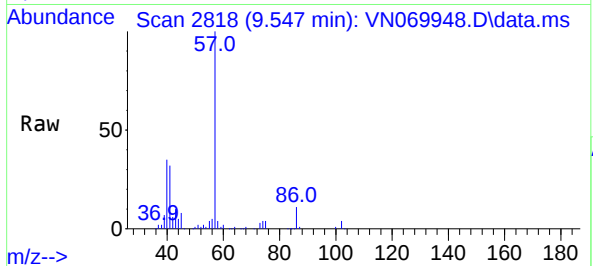




#48
Methyl methacrylate
Concen: 1.767 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

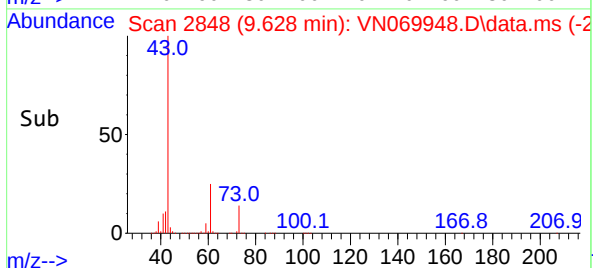
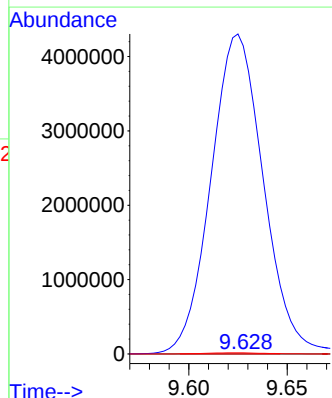
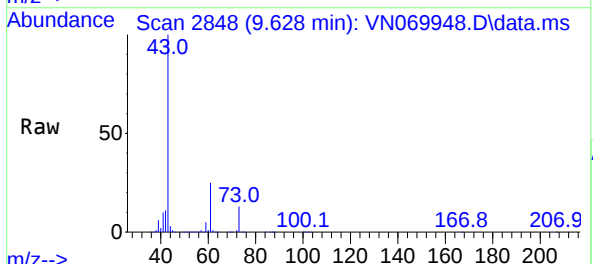
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

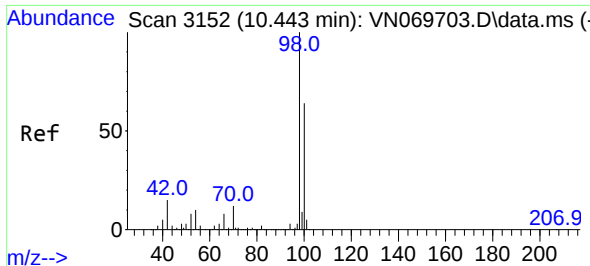
Tgt Ion: 41 Resp: 39263
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 2.892 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.056 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 88 Resp: 1153
Ion Ratio Lower Upper
88 100
43 702771.1 23.4 35.2#
58 2680.0 50.6 75.8#

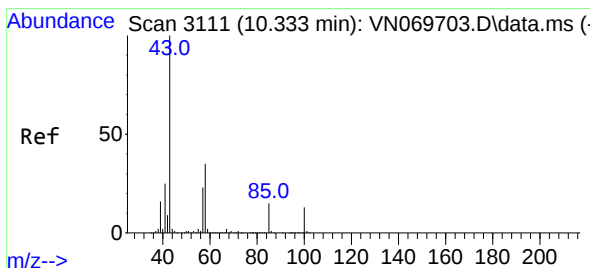
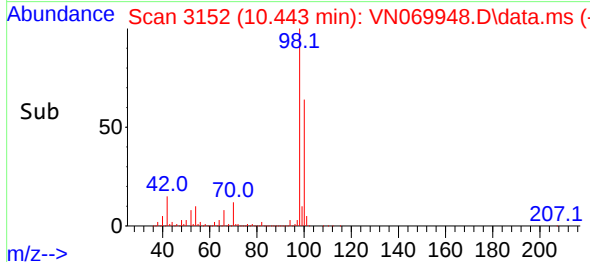
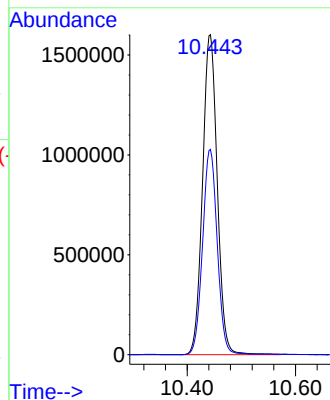
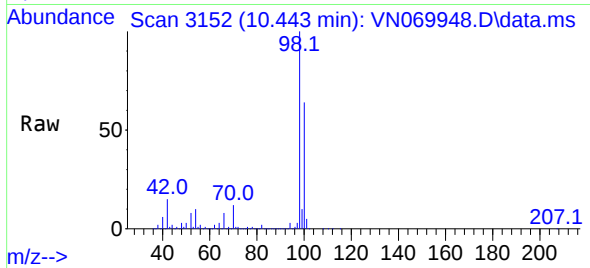




#50
Toluene-d8
Concen: 52.911 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

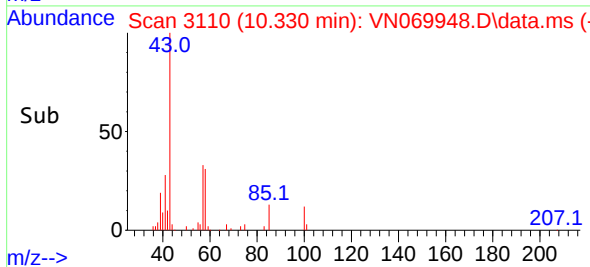
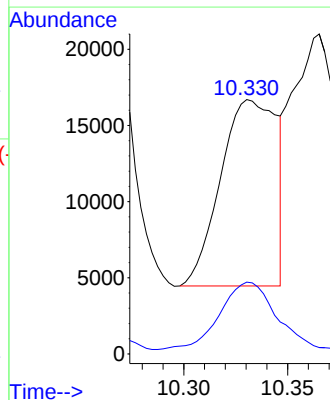
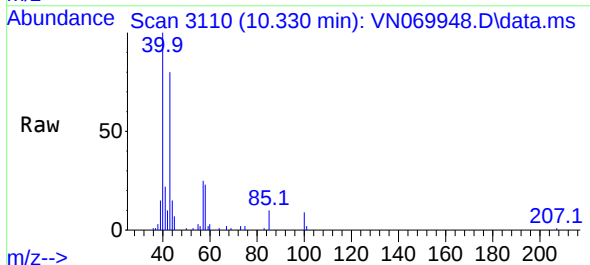
Instrument :
MSVOA_N
ClientSampleId :
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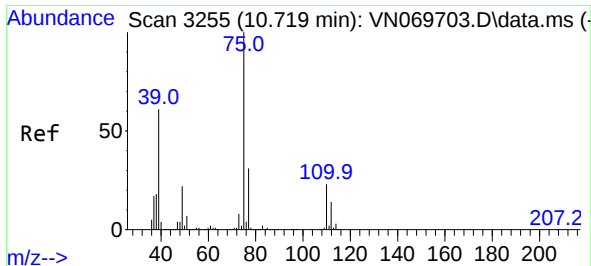
Tgt Ion: 98 Resp: 3022191
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.746 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. -0.003 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 43 Resp: 23034
Ion Ratio Lower Upper
43 100
58 43.6 30.4 45.6

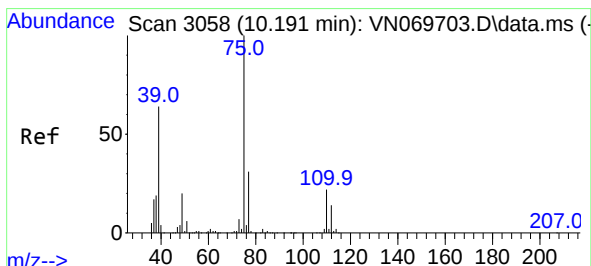
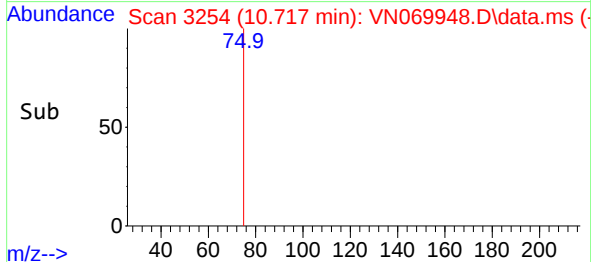
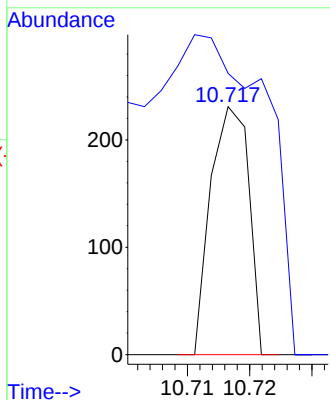
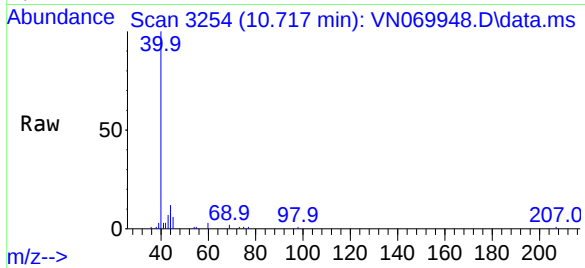




#53
t-1,3-Dichloropropene
Concen: 2.798 ug/l
RT: 10.717 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

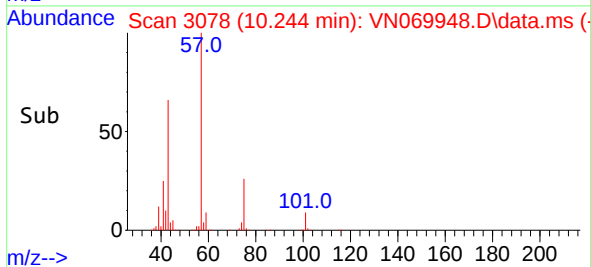
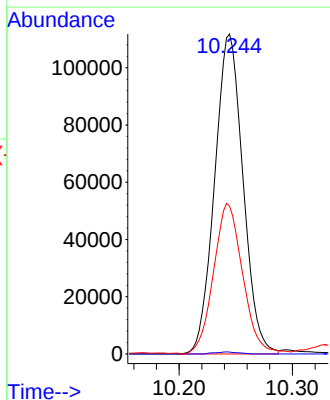
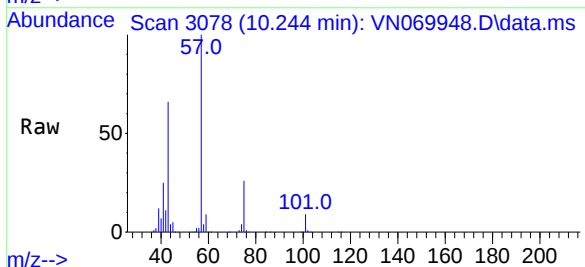
Instrument :
MSVOA_N
ClientSampleId :
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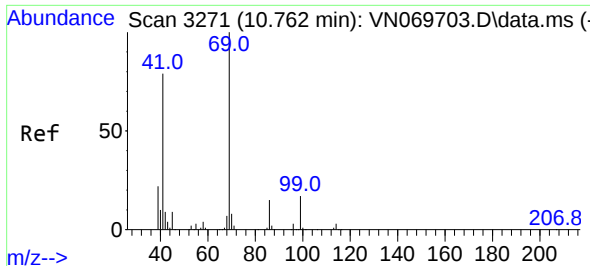
Tgt Ion: 75 Resp: 98
Ion Ratio Lower Upper
75 100
77 18.6 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 8.706 ug/l
RT: 10.244 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 75 Resp: 194344
Ion Ratio Lower Upper
75 100
77 0.6 26.4 39.6#
39 45.9 42.5 63.7

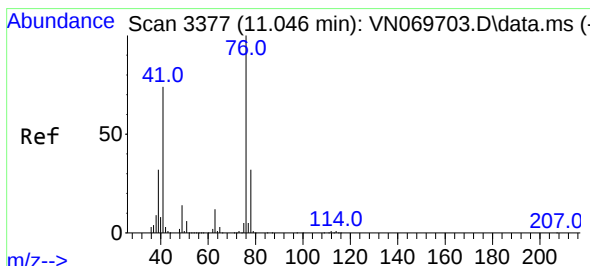
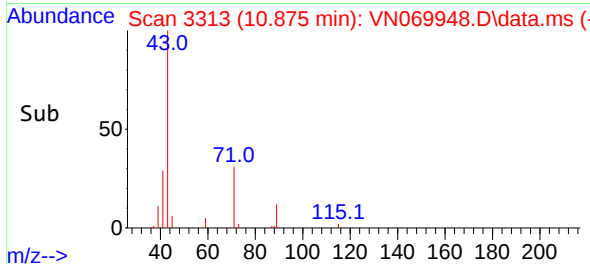
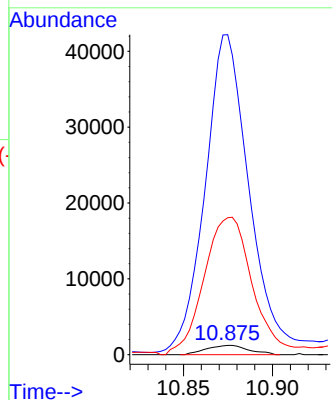
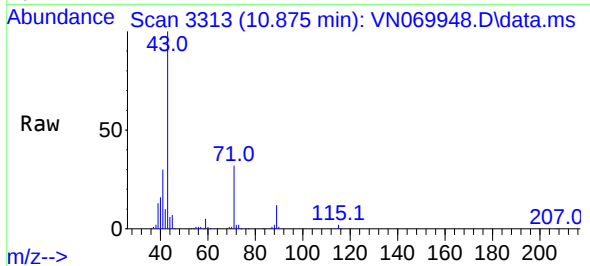




#56
Ethyl methacrylate
Concen: 2.343 ug/l
RT: 10.875 min Scan# 31
Delta R.T. 0.113 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

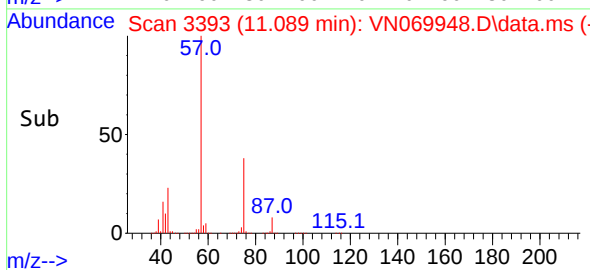
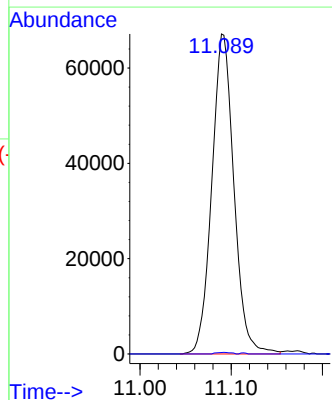
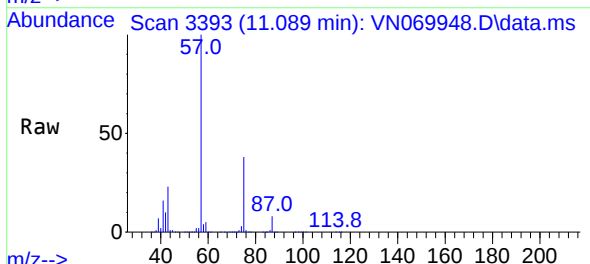
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

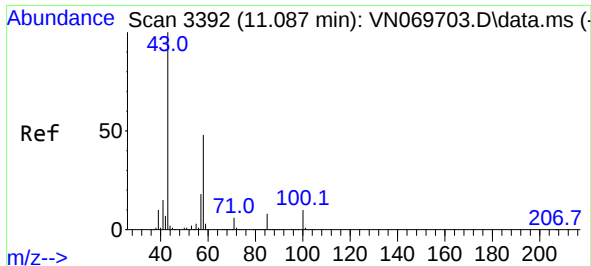
Tgt Ion: 69 Resp: 2044
Ion Ratio Lower Upper
69 100
41 3552.7 51.4 77.0#
39 1697.5 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.941 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 76 Resp: 112961
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

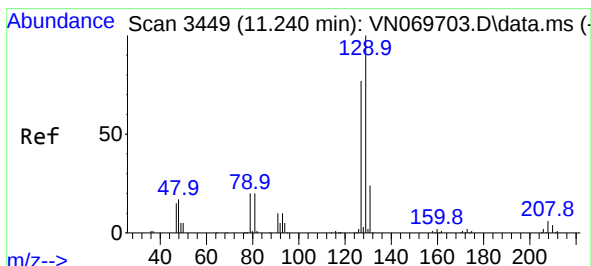
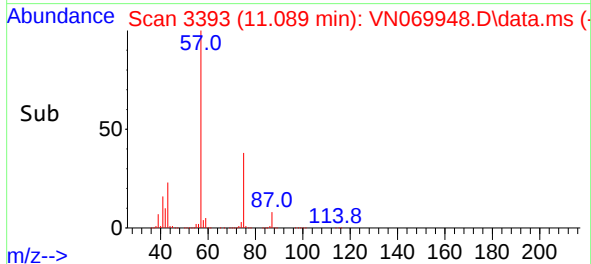
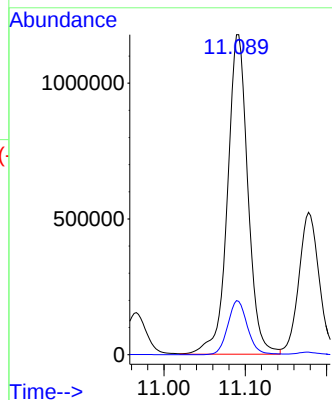
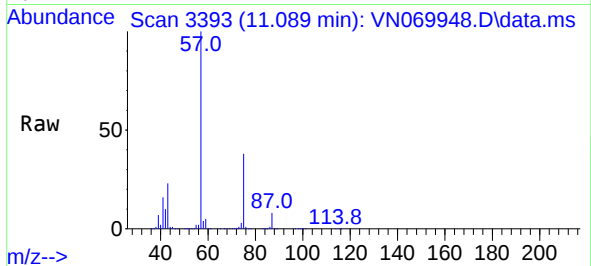




#59
2-Hexanone
Concen: 88.002 ug/l
RT: 11.089 min Scan# 31
Delta R.T. 0.002 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

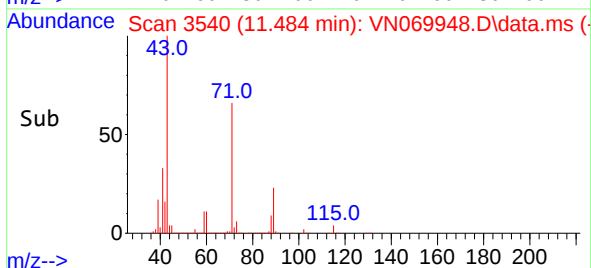
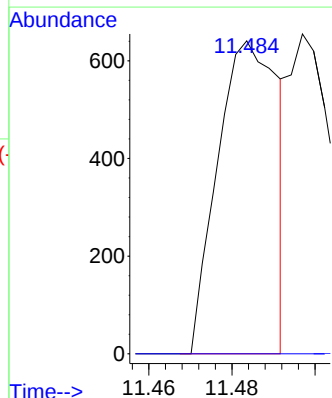
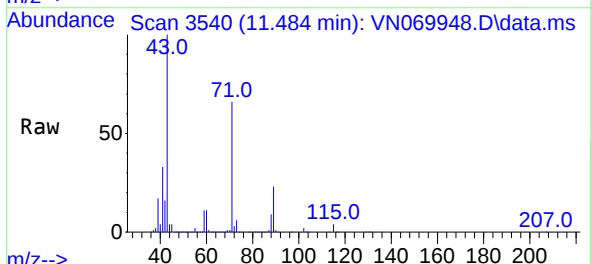
Instrument :
MSVOA_N
ClientSampleId :
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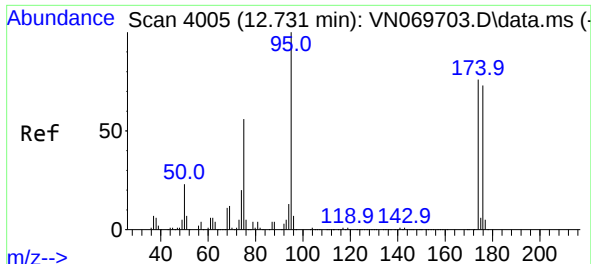
Tgt Ion: 43 Resp: 2056409
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.411 ug/l
RT: 11.484 min Scan# 3540
Delta R.T. 0.244 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion:129 Resp: 645
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

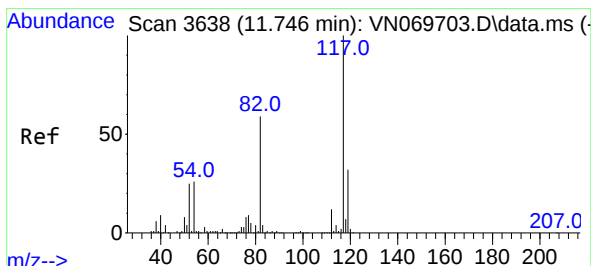
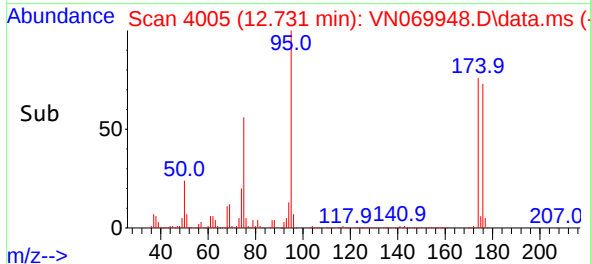
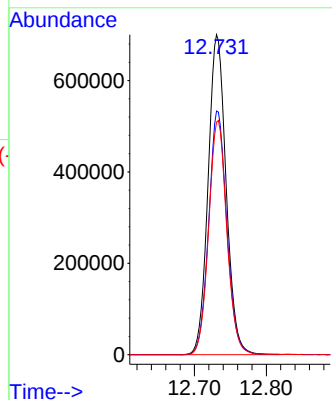
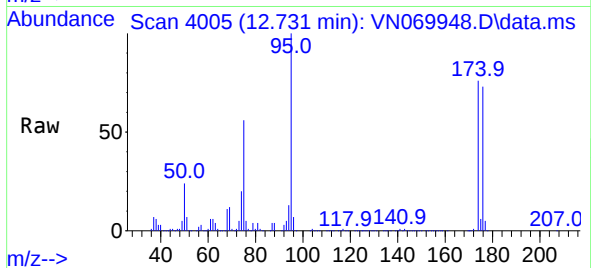




#62
4-Bromofluorobenzene
Concen: 59.010 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

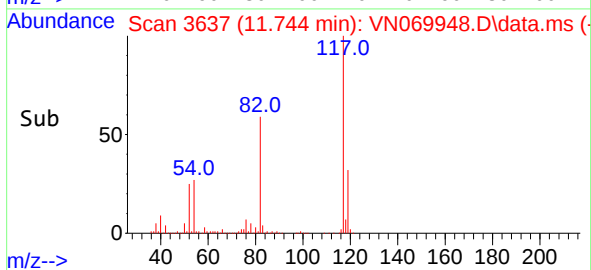
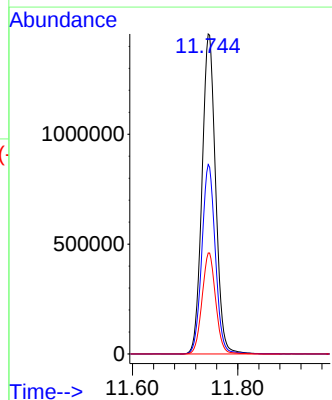
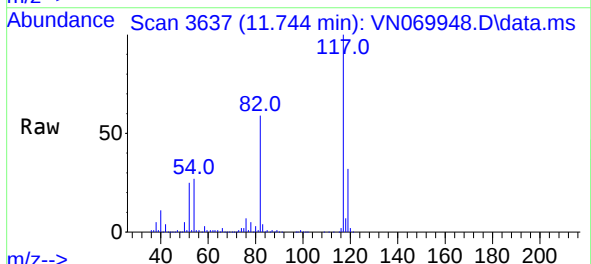
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

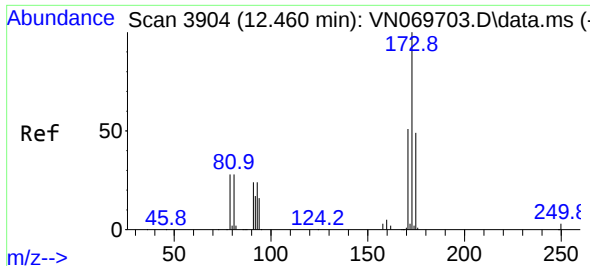
Tgt Ion: 95 Resp: 1221078
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.5 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 117 Resp: 2607049
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 31.6 25.4 38.2

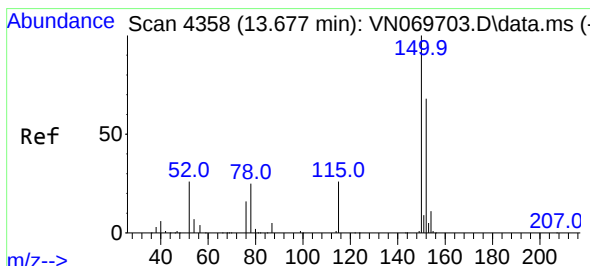
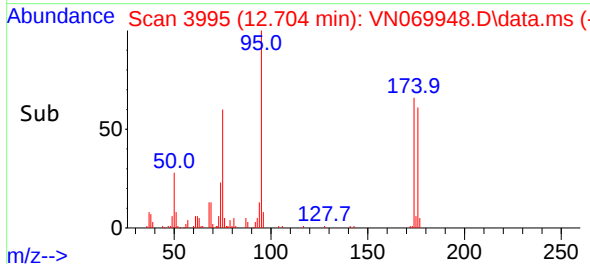
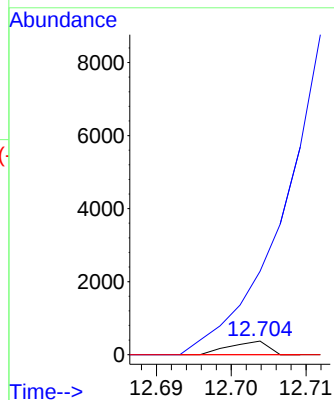
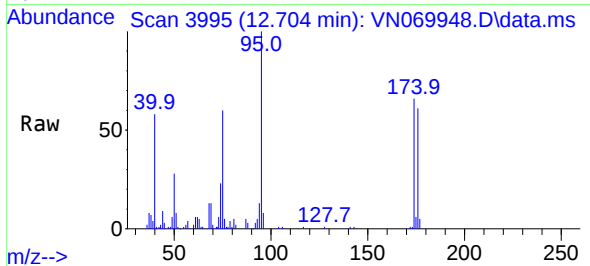




#71
Bromoform
Concen: 2.739 ug/l
RT: 12.704 min Scan# 3904
Delta R.T. 0.244 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

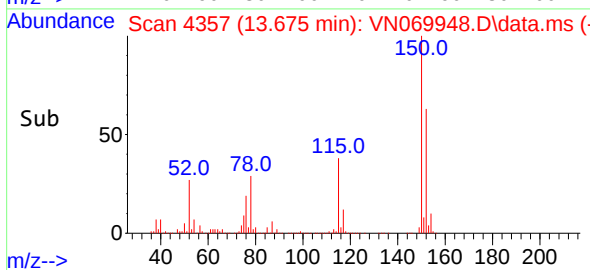
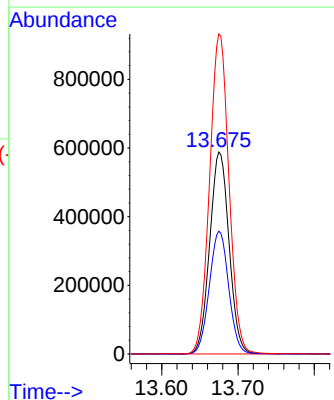
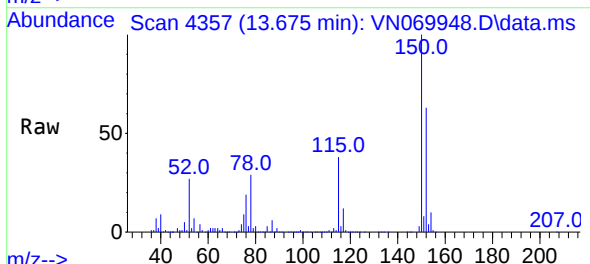
Instrument :
MSVOA_N
ClientSampleId :
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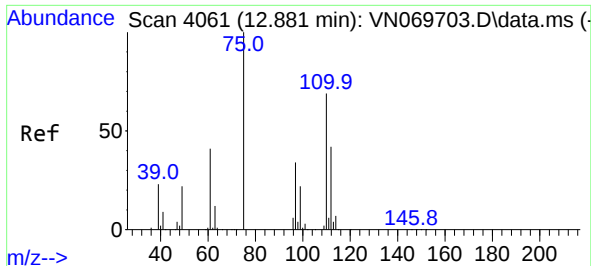
Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion:152 Resp: 1037007
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 158.2 0.0 344.4

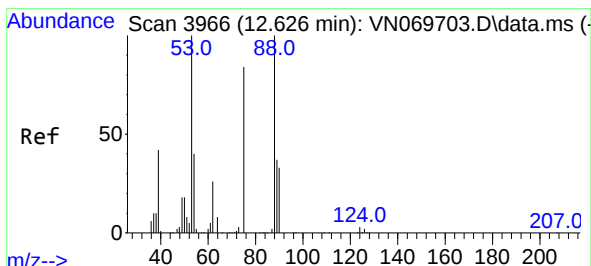
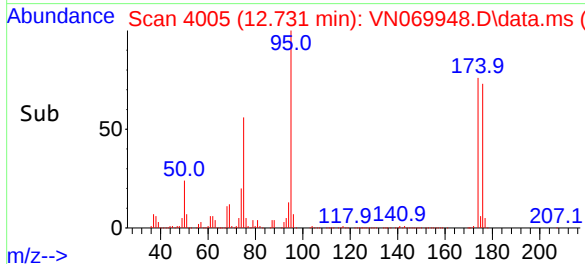
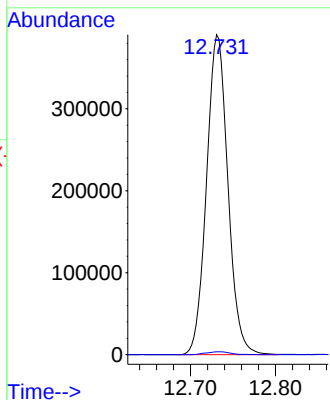
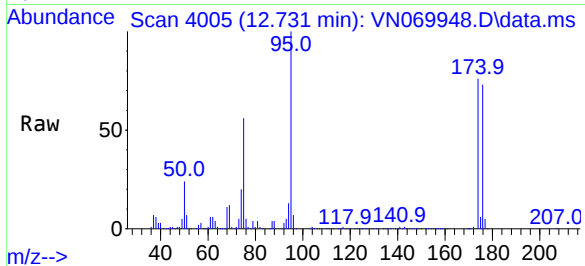




#76
1,2,3-Trichloropropane
Concen: 22.924 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

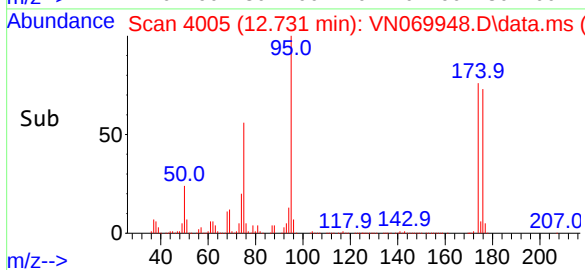
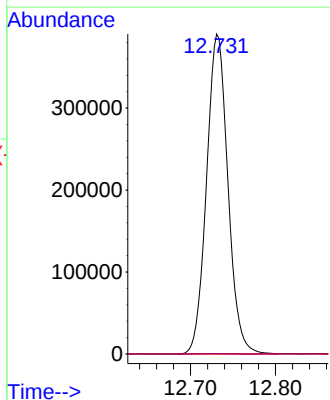
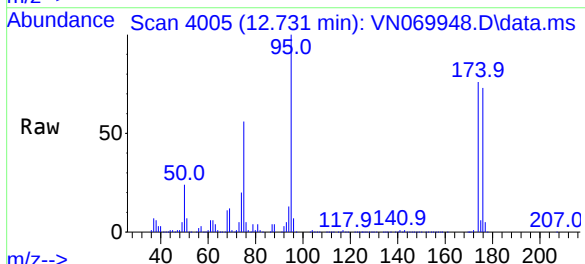
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

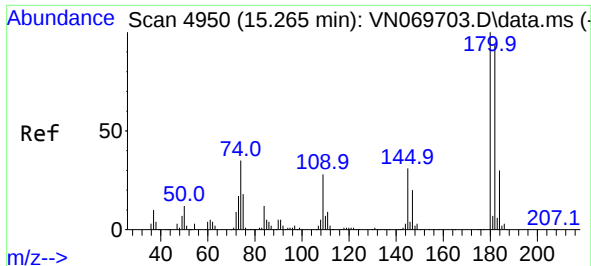
Tgt Ion: 75 Resp: 681729
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.994 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Tgt Ion: 75 Resp: 681729
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

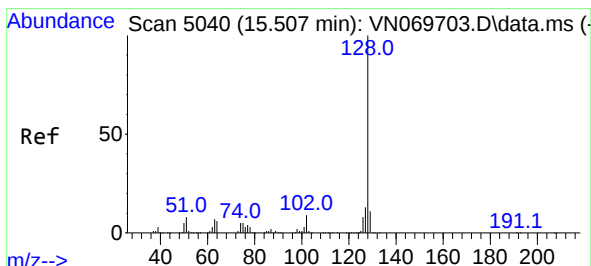
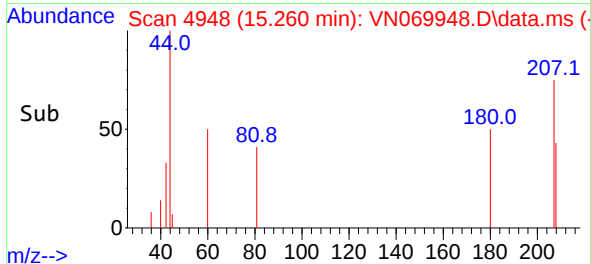
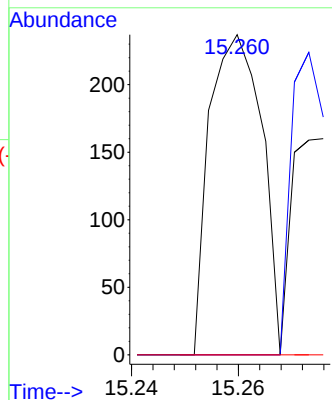
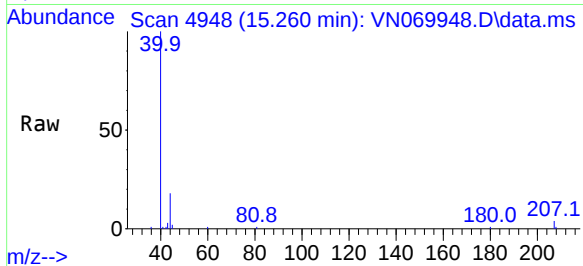




#93
1,2,4-Trichlorobenzene
Concen: 2.887 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

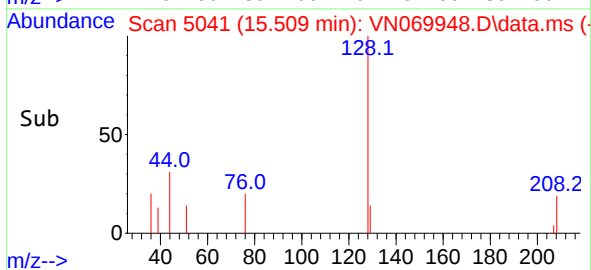
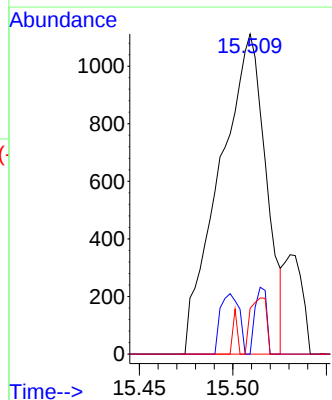
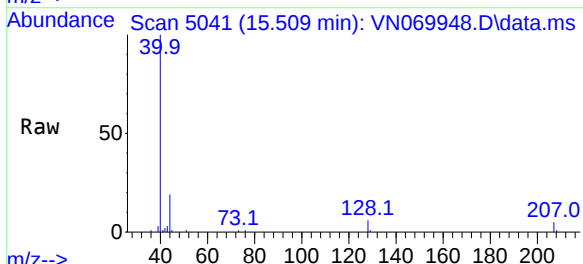
Instrument :
MSVOA_N
ClientSampleId :
TP-7S

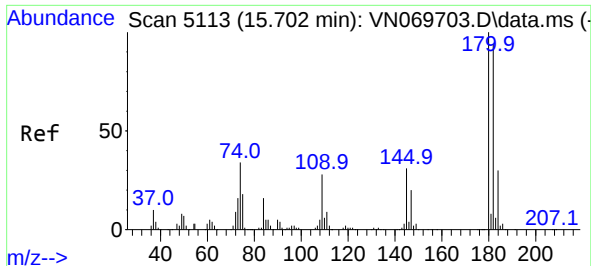
Tgt Ion:180 Resp: 161
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.020 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

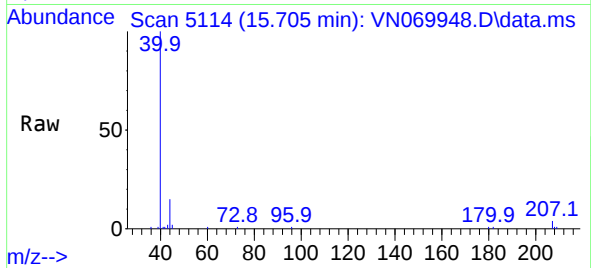
Tgt Ion:128 Resp: 1917
Ion Ratio Lower Upper
128 100
127 5.2 10.5 15.7#
129 6.1 8.7 13.1#





#96
1,2,3-Trichlorobenzene
Concen: 2.437 ug/l
RT: 15.705 min Scan# 51
Delta R.T. 0.003 min
Lab File: VN069948.D
Acq: 10 Dec 2021 7:36

Instrument :
MSVOA_N
ClientSampleId :
TP-7S



Tgt Ion:180 Resp: 26
Ion Ratio Lower Upper
180 100
182 580.8 47.4 142.2#
145 0.0 15.0 45.1#

