

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069895.D
 Acq On : 9 Dec 2021 6:28
 Operator : JC/MD
 Sample : M4959-14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5S

Quant Time: Dec 09 12:00:36 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)

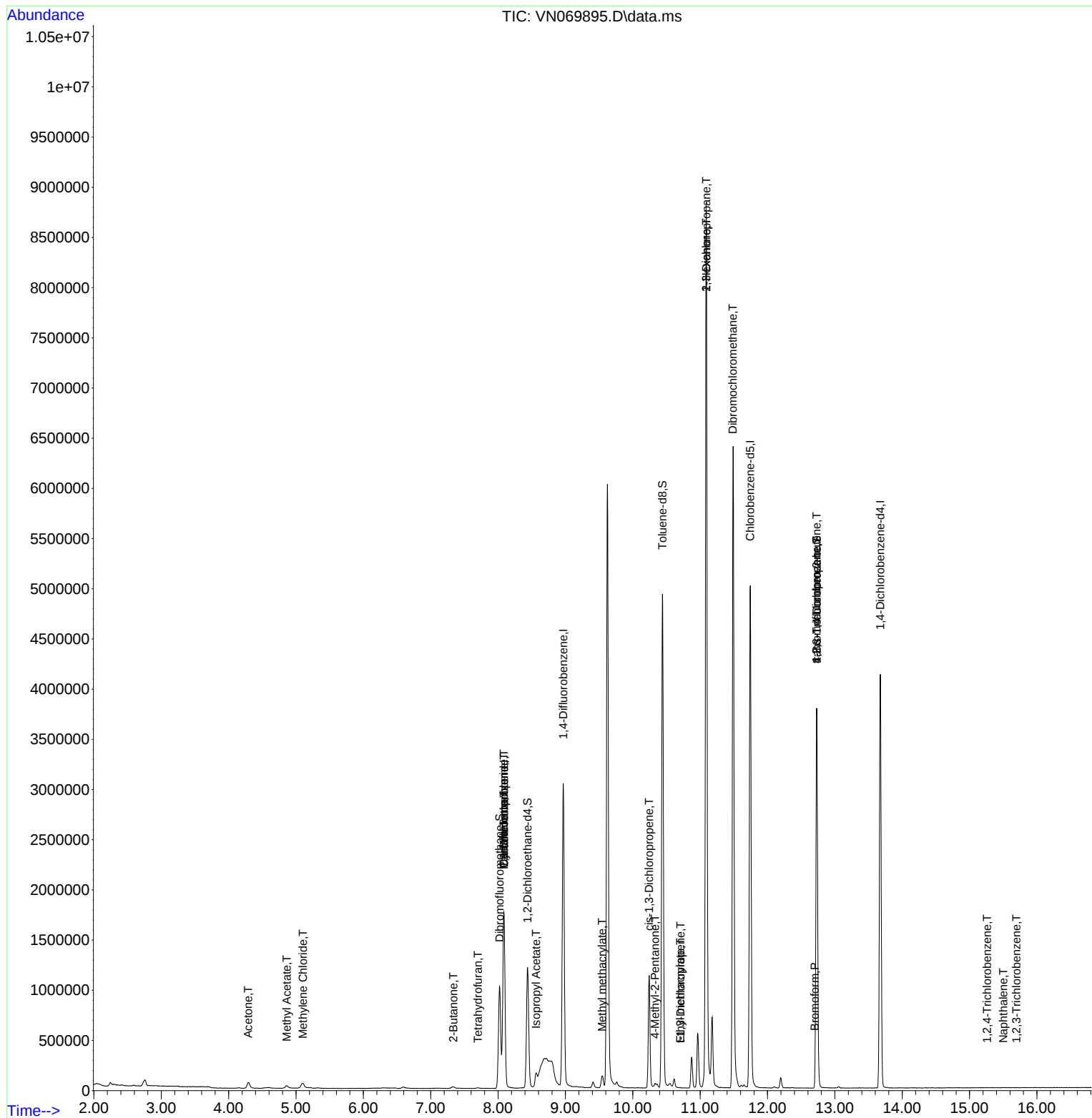
Internal Standards						
1) Pentafluorobenzene	8.088	168	1320440	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2496899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2781200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1094476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	1036884	50.859	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.720%			
35) Dibromofluoromethane	8.021	113	735692	47.039	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.080%			
50) Toluene-d8	10.441	98	3292285	52.425	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.860%			
62) 4-Bromofluorobenzene	12.731	95	1316912	57.884	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.760%			
Target Compounds					Qvalue	
16) Acetone	4.291	43	111122	9.061	ug/l	97
18) Methyl Acetate	4.862	43	55853	1.509	ug/l	93
20) Methylene Chloride	5.103	84	33894	2.079	ug/l	92
25) 2-Butanone	7.335	43	7026	0.422	ug/l #	84
29) Tetrahydrofuran	7.700	42	5807	0.574	ug/l #	69
31) Cyclohexane	8.086	56	34112	1.202	ug/l #	35
36) 1,1-Dichloropropene	8.086	75	113232	4.764	ug/l #	49
38) Carbon Tetrachloride	8.086	117	135588	5.817	ug/l #	17
43) Isopropyl Acetate	8.563	43	172825	3.301	ug/l #	79
48) Methyl methacrylate	9.545	41	34867	1.427	ug/l #	8
51) 4-Methyl-2-Pentanone	10.331	43	20248	0.596	ug/l	95
53) t-1,3-Dichloropropene	10.709	75	95	2.797	ug/l #	51
54) cis-1,3-Dichloropropene	10.242	75	178659	7.607	ug/l #	73
56) Ethyl methacrylate	10.703	69	806	2.302	ug/l #	24
57) 1,3-Dichloropropane	11.090	76	85269	2.706	ug/l #	43
59) 2-Hexanone	11.090	43	1566152	60.958	ug/l #	47
60) Dibromochloromethane	11.486	129	575	2.405	ug/l #	11
71) Bromoform	12.701	173	57	2.734	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	731121	23.294	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	731121	74.106	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.260	180	232	2.890	ug/l #	39
95) Naphthalene	15.501	128	587	3.995	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.697	180	399	2.457	ug/l #	22

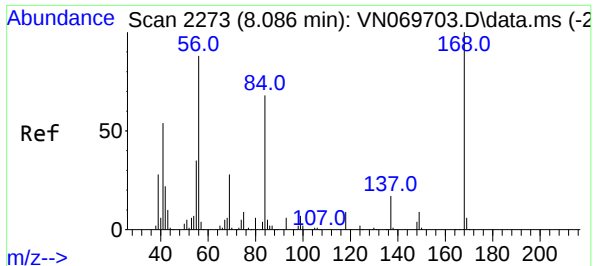
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

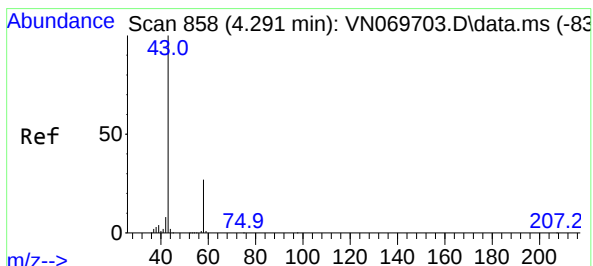
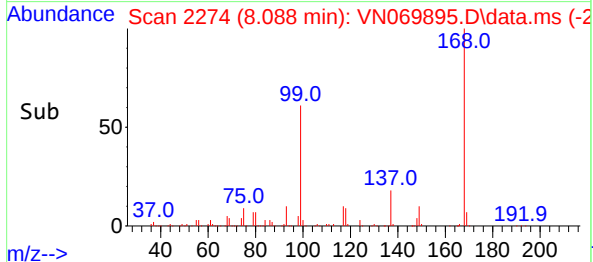
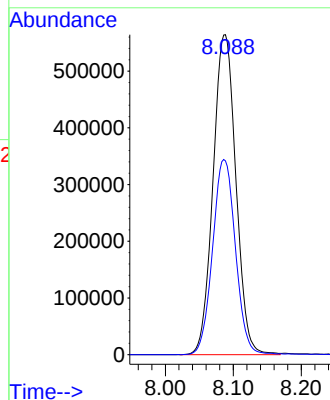
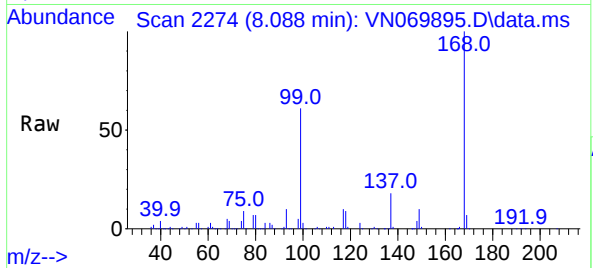




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

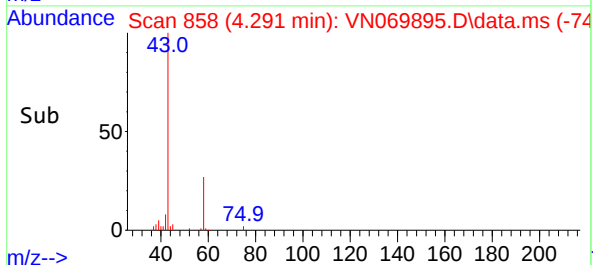
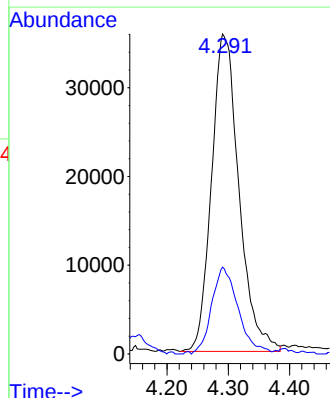
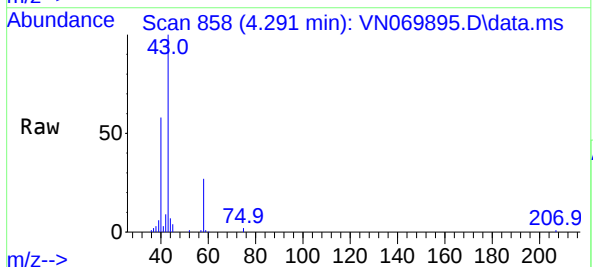
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

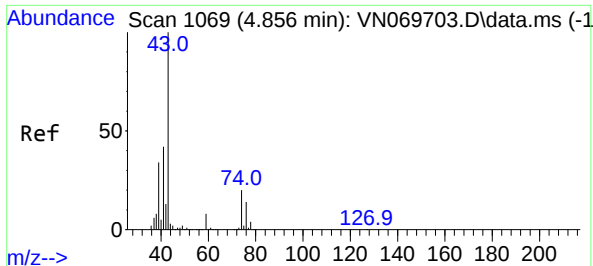
Tgt Ion:168 Resp: 1320440
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#16
Acetone
Concen: 9.061 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 43 Resp: 111122
Ion Ratio Lower Upper
43 100
58 27.4 23.1 34.7

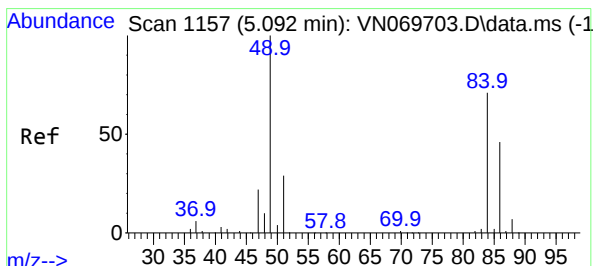
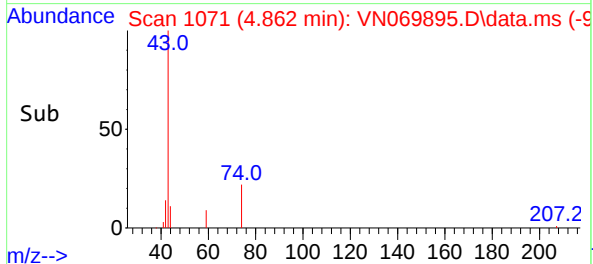
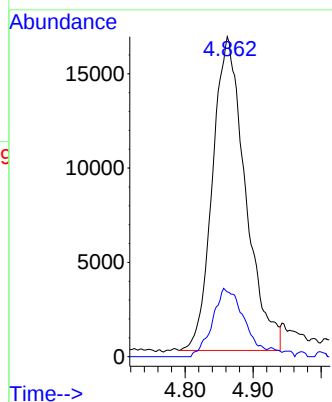
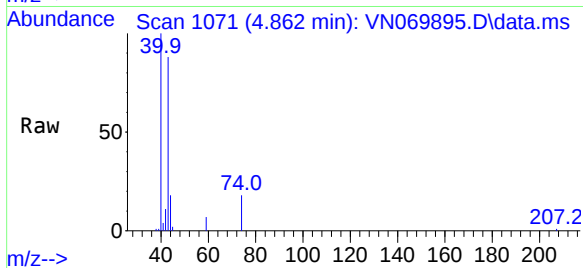




#18
Methyl Acetate
Concen: 1.509 ug/l
RT: 4.862 min Scan# 1161
Delta R.T. 0.006 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

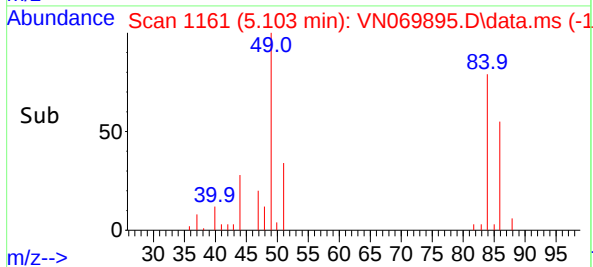
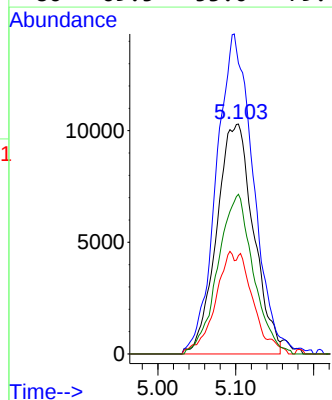
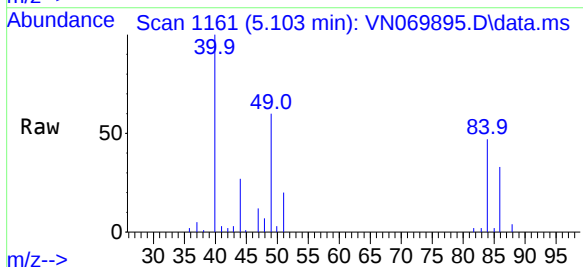
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

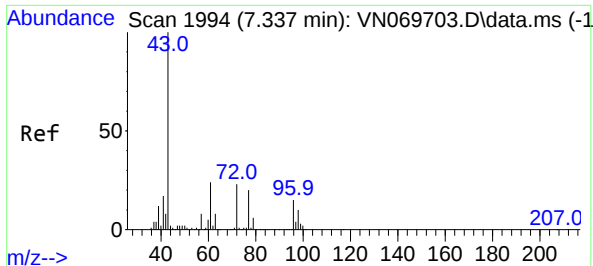
Tgt Ion: 43 Resp: 55853
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2



#20
Methylene Chloride
Concen: 2.079 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.011 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 84 Resp: 33894
Ion Ratio Lower Upper
84 100
49 126.4 93.5 140.3
51 42.8 29.4 44.2
86 69.5 53.0 79.4

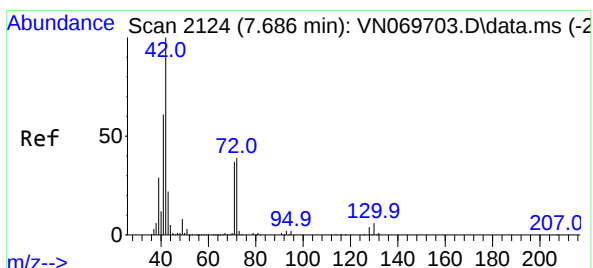
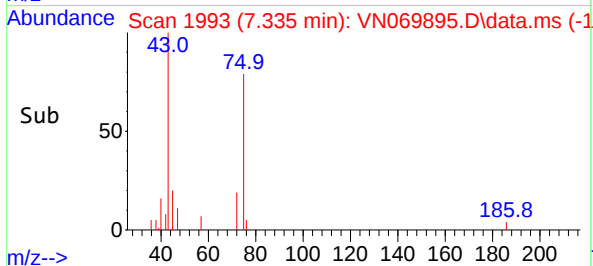
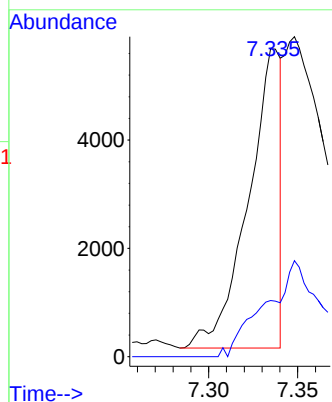
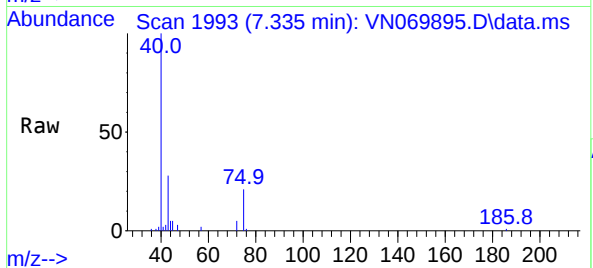




#25
2-Butanone
Concen: 0.422 ug/l
RT: 7.335 min Scan# 1994
Delta R.T. -0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

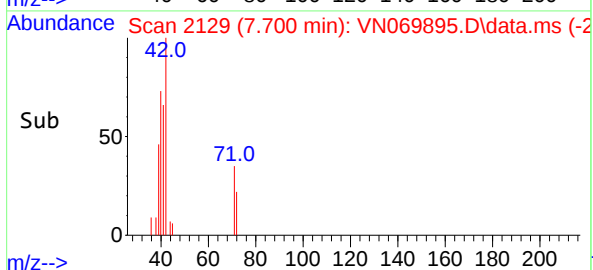
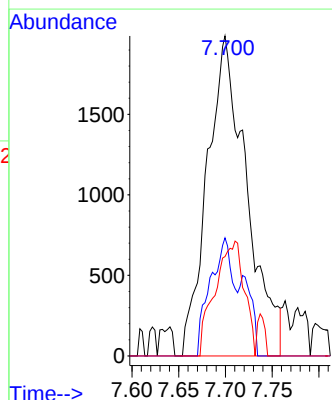
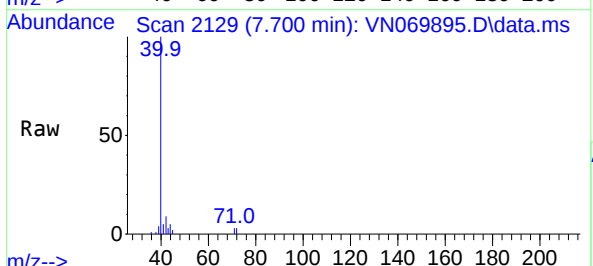
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

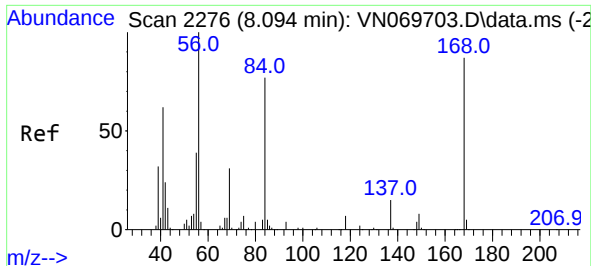
Tgt Ion: 43 Resp: 7026
Ion Ratio Lower Upper
43 100
72 18.8 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.574 ug/l
RT: 7.700 min Scan# 2129
Delta R.T. 0.014 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

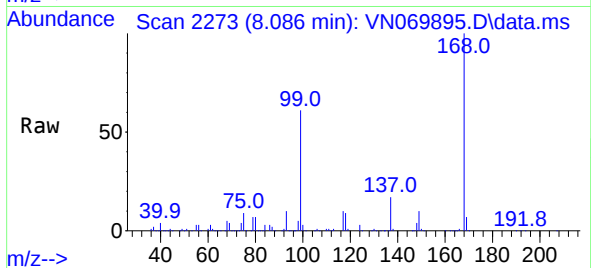
Tgt Ion: 42 Resp: 5807
Ion Ratio Lower Upper
42 100
72 21.6 36.3 54.5#
71 26.7 34.7 52.1#



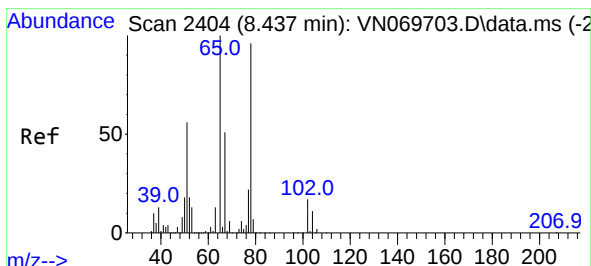
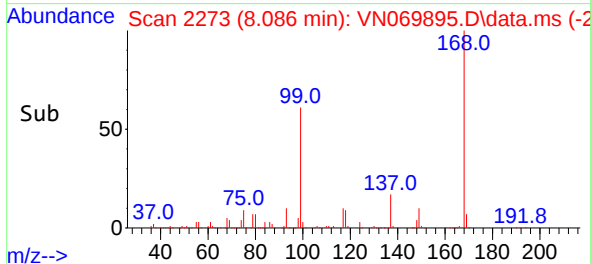
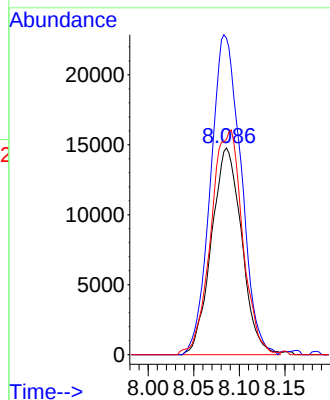


#31
Cyclohexane
Concen: 1.202 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Instrument :
MSVOA_N
ClientSampleId :
TP-5S

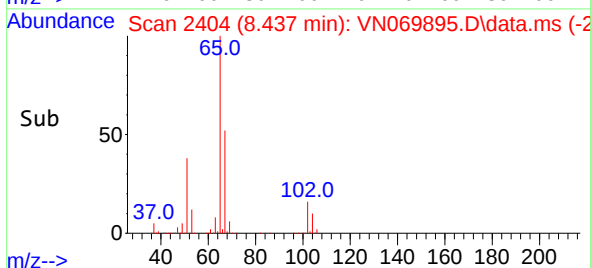
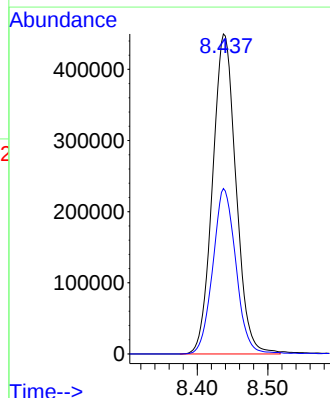
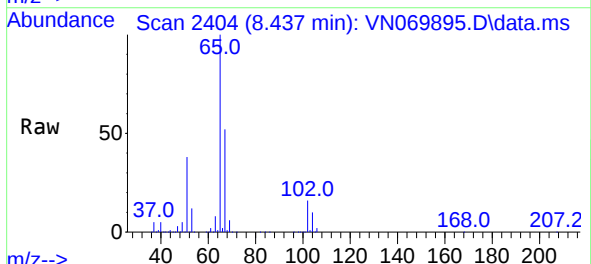


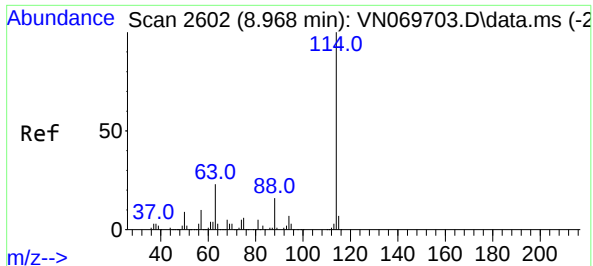
Tgt Ion: 56 Resp: 34112
Ion Ratio Lower Upper
56 100
69 153.0 27.1 40.7#
84 103.2 73.4 110.0



#33
1,2-Dichloroethane-d4
Concen: 50.859 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 65 Resp: 1036884
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# 2

Delta R.T. 0.000 min

Lab File: VN069895.D

Acq: 9 Dec 2021 6:28

Instrument :

MSVOA_N

ClientSampleId :

TP-5S

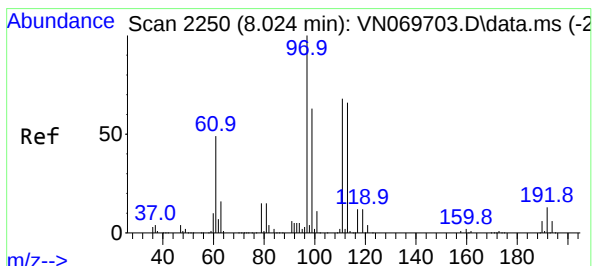
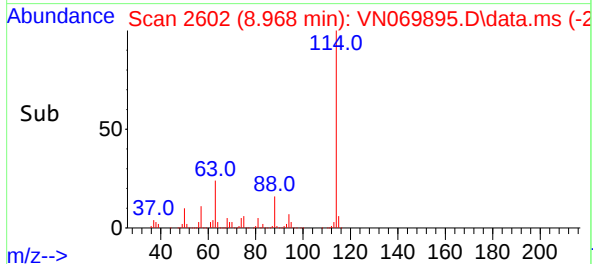
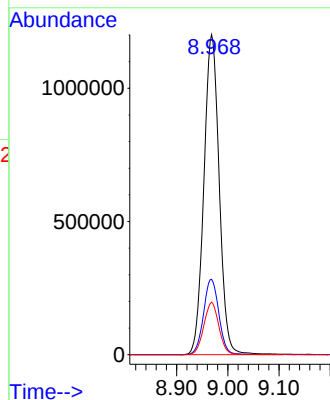
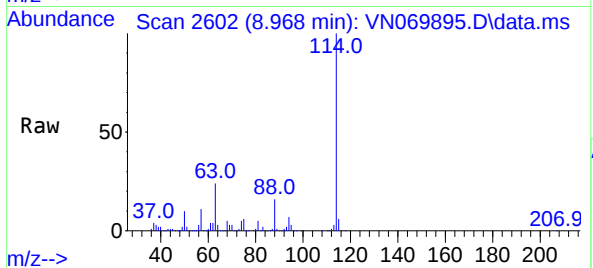
Tgt Ion:114 Resp: 2496899

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.039 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.002 min

Lab File: VN069895.D

Acq: 9 Dec 2021 6:28

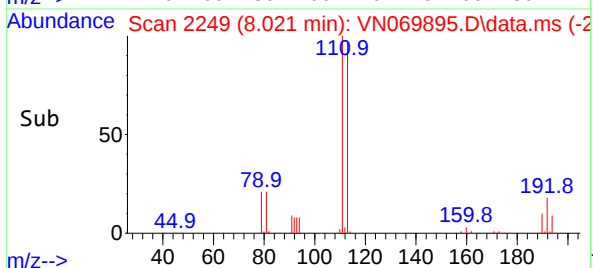
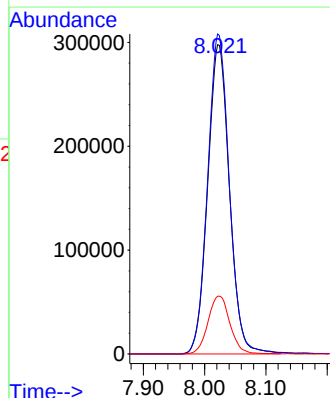
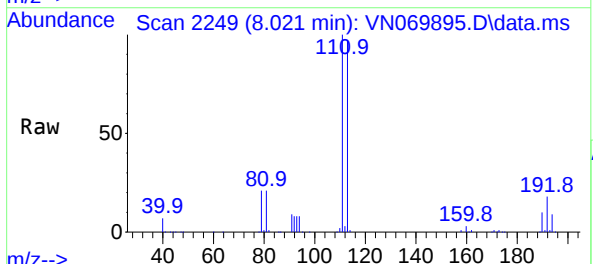
Tgt Ion:113 Resp: 735692

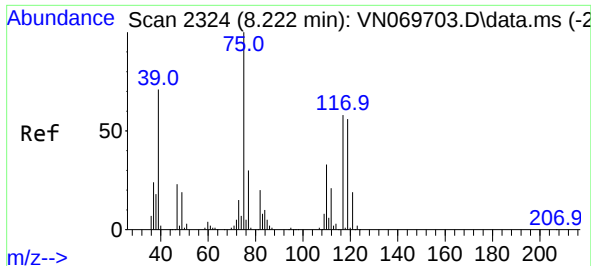
Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 18.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.764 ug/l

RT: 8.086 min Scan# 21

Delta R.T. -0.137 min

Lab File: VN069895.D

Acq: 9 Dec 2021 6:28

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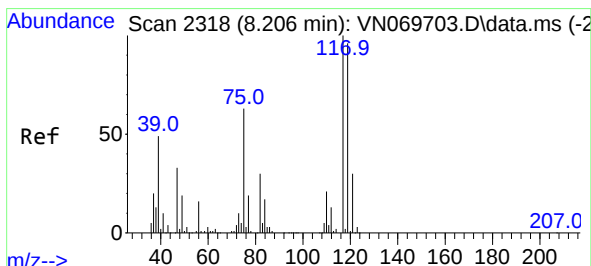
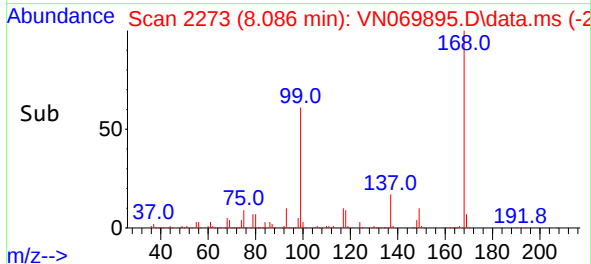
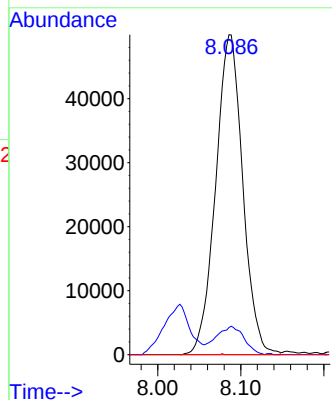
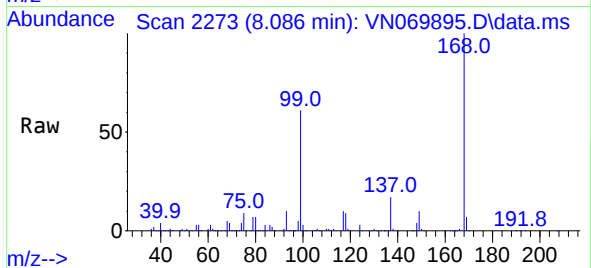
Tgt Ion: 75 Resp: 113232

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.817 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.120 min

Lab File: VN069895.D

Acq: 9 Dec 2021 6:28

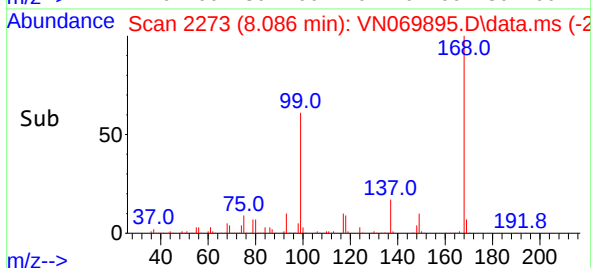
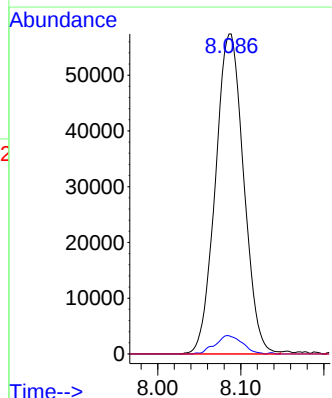
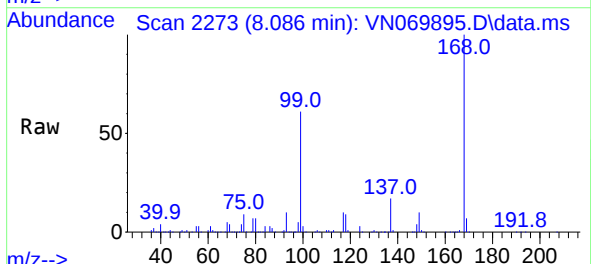
Tgt Ion: 117 Resp: 135588

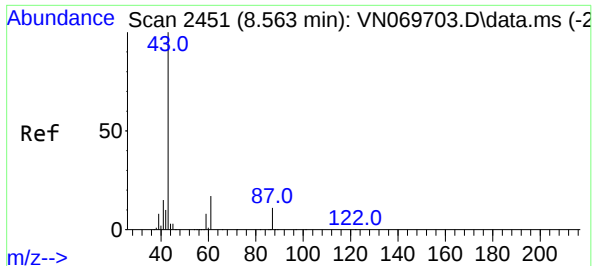
Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 24.2 36.2#

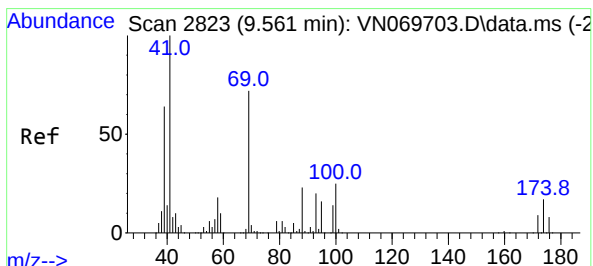
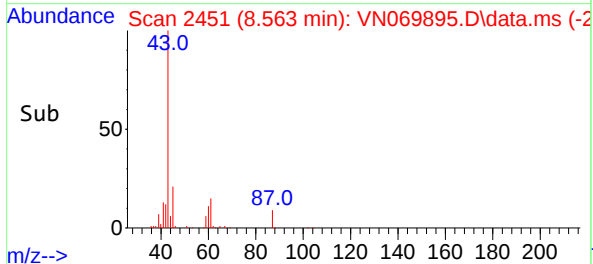
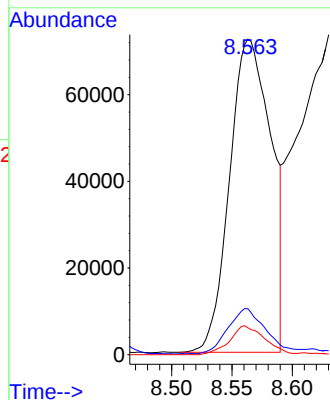
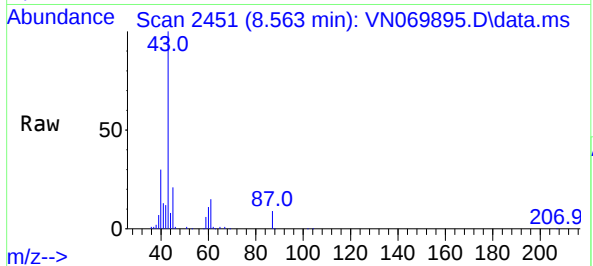




#43
Isopropyl Acetate
Concen: 3.301 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

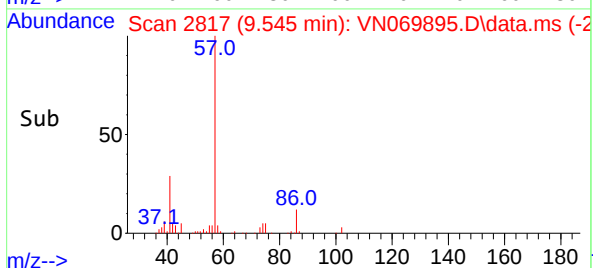
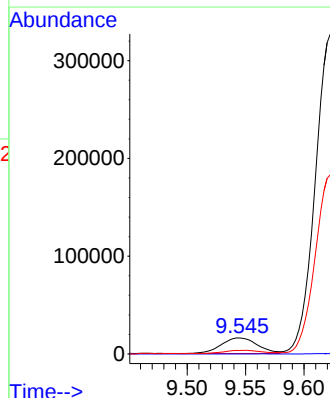
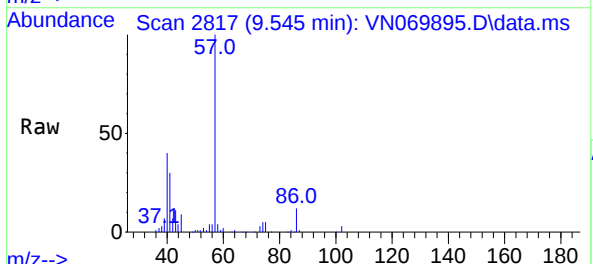
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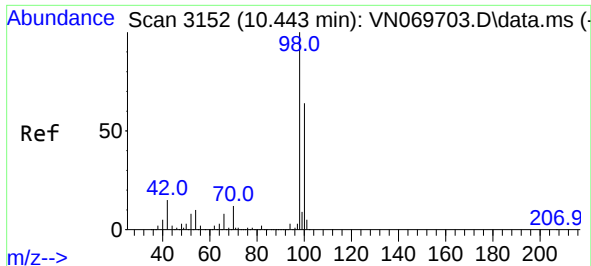
Tgt Ion: 43 Resp: 172825
Ion Ratio Lower Upper
43 100
61 13.2 20.4 30.6#
87 7.8 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.427 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 41 Resp: 34867
Ion Ratio Lower Upper
41 100
69 0.2 72.4 108.6#
39 0.0 58.4 87.6#

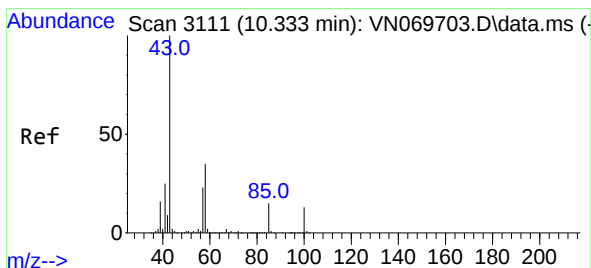
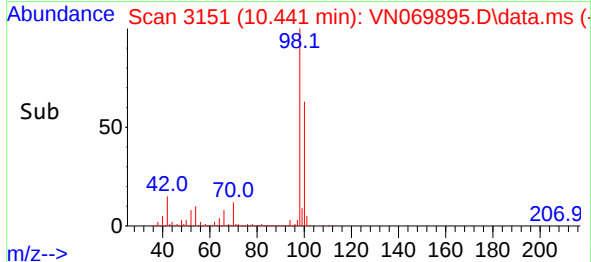
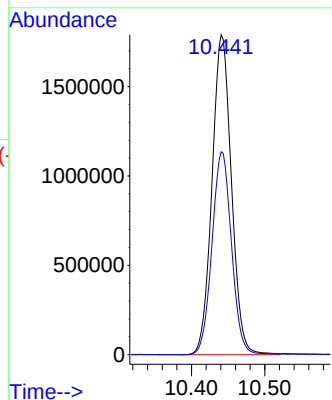
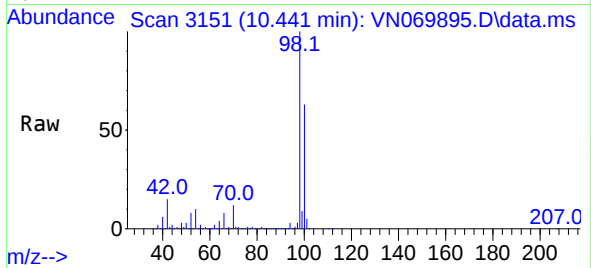




#50
Toluene-d8
Concen: 52.425 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

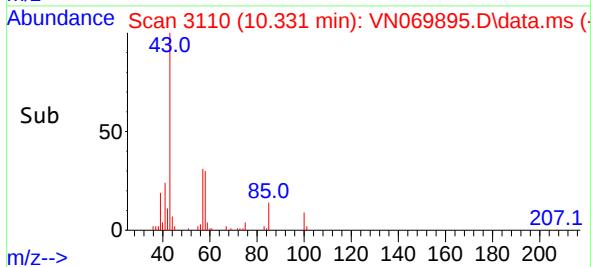
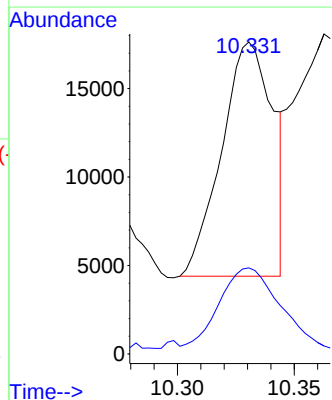
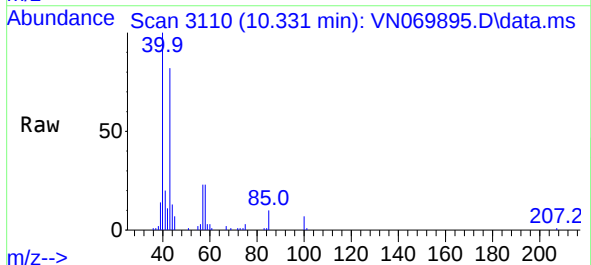
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

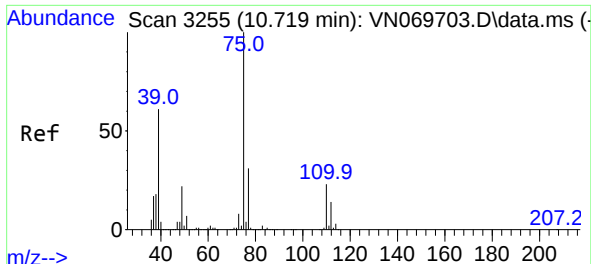
Tgt Ion: 98 Resp: 3292285
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.596 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 43 Resp: 20248
Ion Ratio Lower Upper
43 100
58 41.2 30.4 45.6

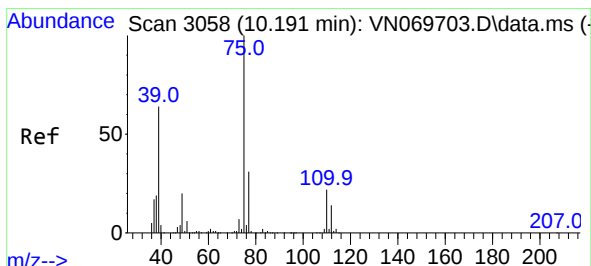
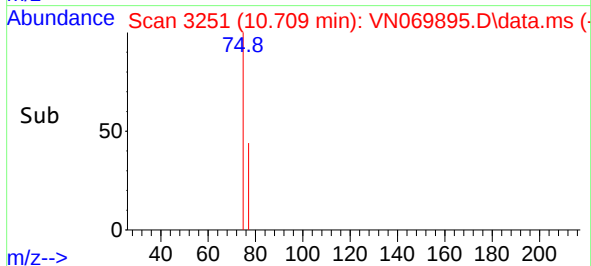
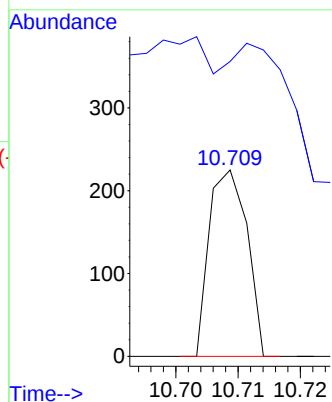
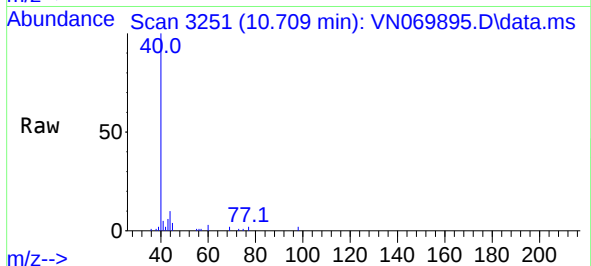




#53
t-1,3-Dichloropropene
Concen: 2.797 ug/l
RT: 10.709 min Scan# 31
Delta R.T. -0.010 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

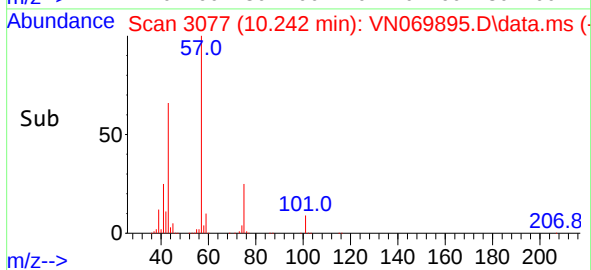
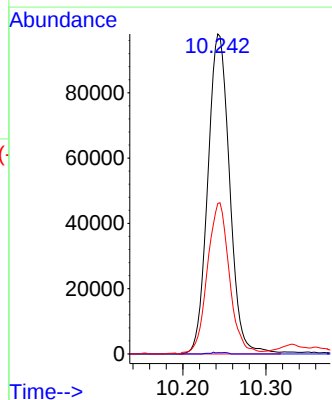
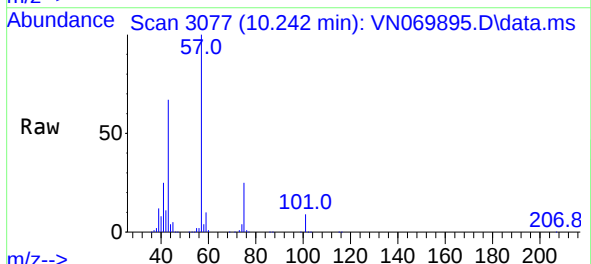
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

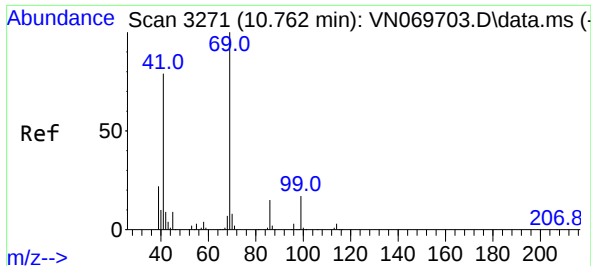
Tgt Ion: 75 Resp: 95
Ion Ratio Lower Upper
75 100
77 4.4 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 7.607 ug/l
RT: 10.242 min Scan# 3077
Delta R.T. 0.051 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 75 Resp: 178659
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 47.1 42.5 63.7

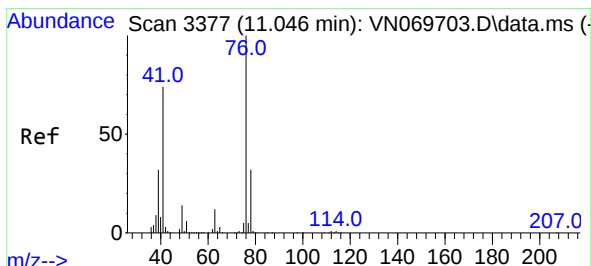
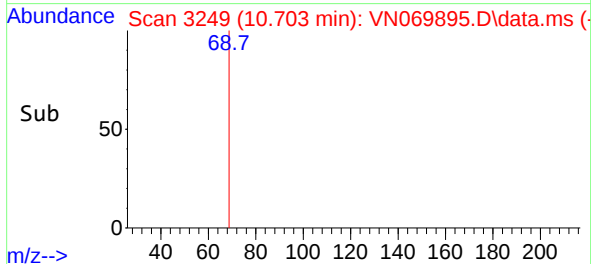
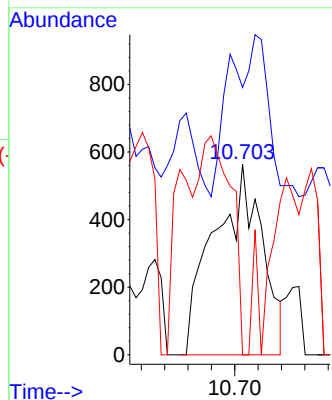
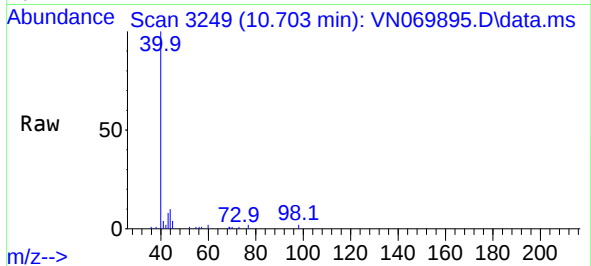




#56
Ethyl methacrylate
Concen: 2.302 ug/l
RT: 10.703 min Scan# 31
Delta R.T. -0.059 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

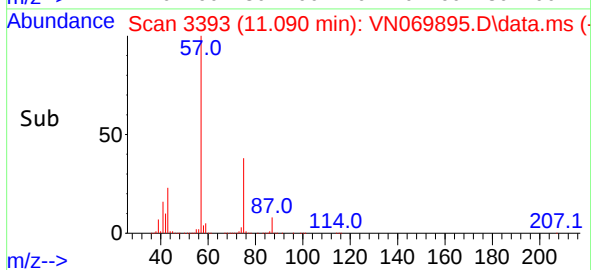
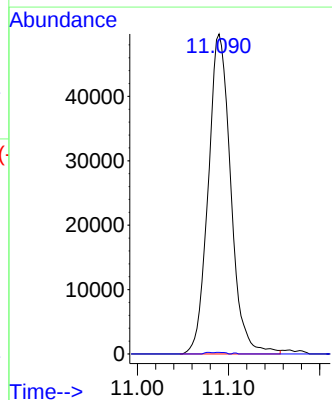
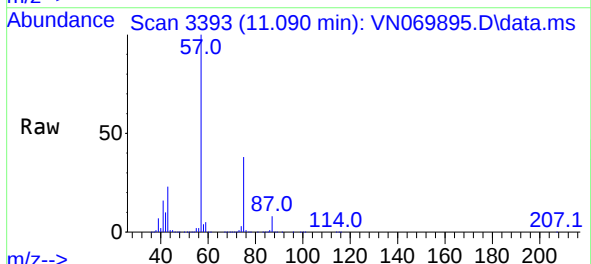
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

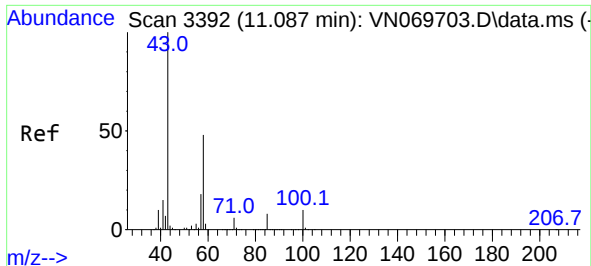
Tgt Ion: 69 Resp: 806
Ion Ratio Lower Upper
69 100
41 0.0 51.4 77.0#
39 0.0 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 2.706 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 76 Resp: 85269
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

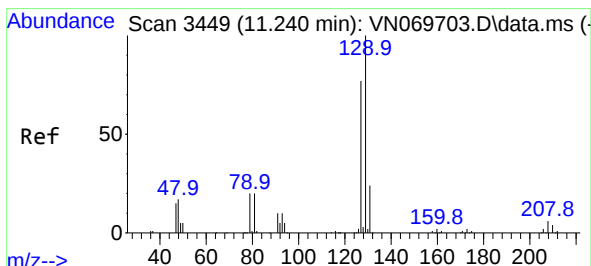
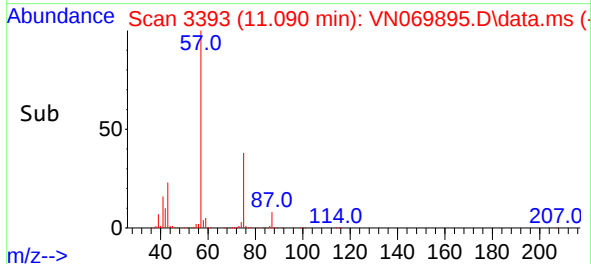
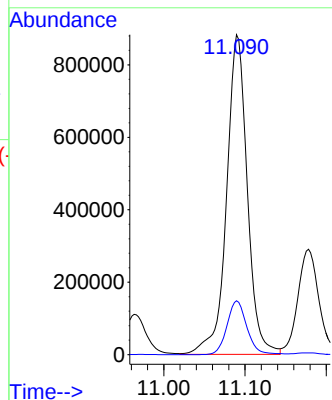
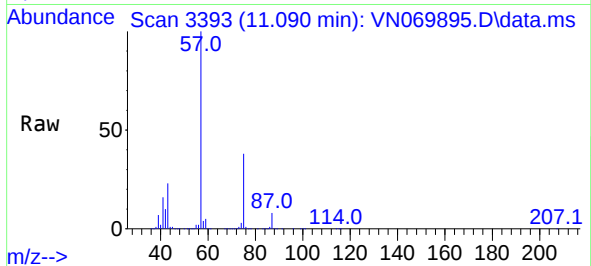




#59
2-Hexanone
Concen: 60.958 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

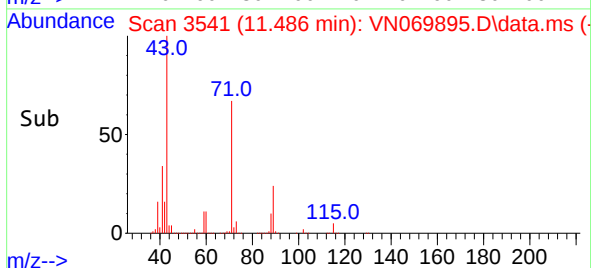
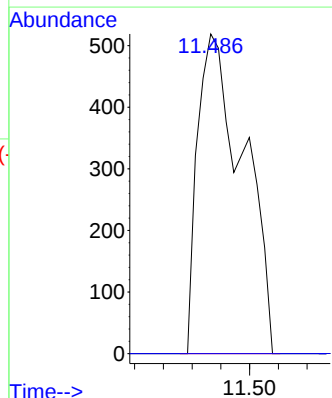
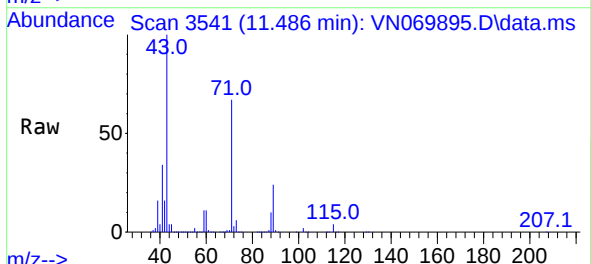
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

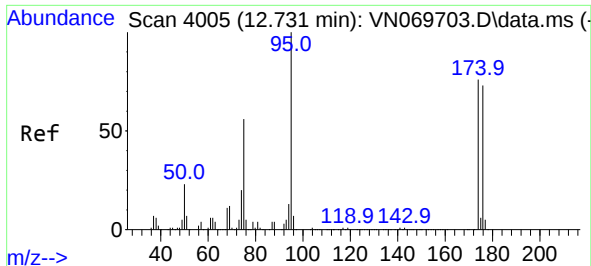
Tgt Ion: 43 Resp: 1566152
Ion Ratio Lower Upper
43 100
58 16.3 26.9 80.7#



#60
Dibromochloromethane
Concen: 2.405 ug/l
RT: 11.486 min Scan# 3541
Delta R.T. 0.246 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion:129 Resp: 575
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

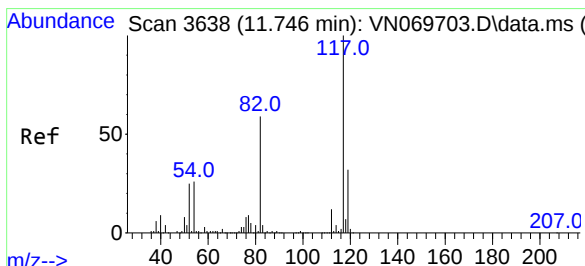
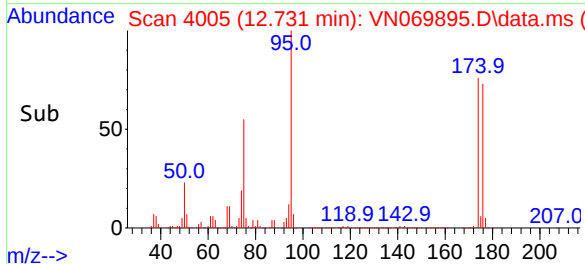
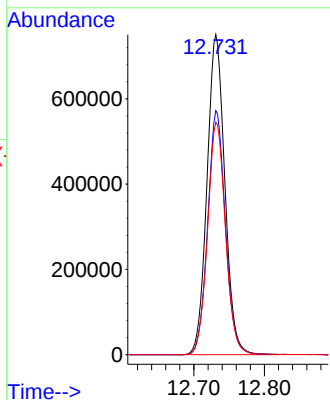
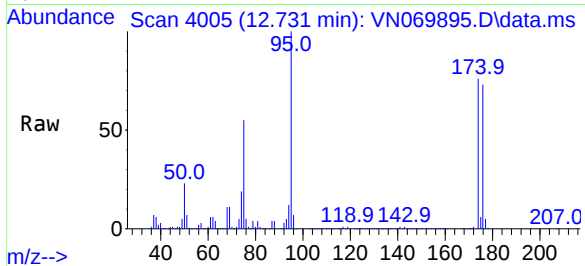




#62
4-Bromofluorobenzene
Concen: 57.884 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

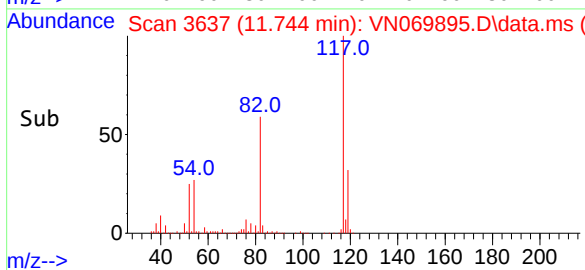
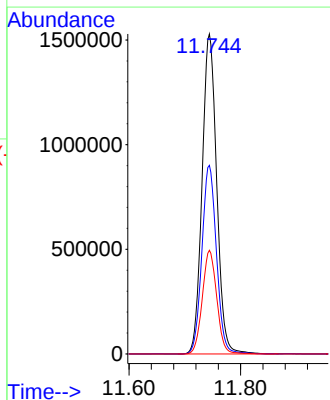
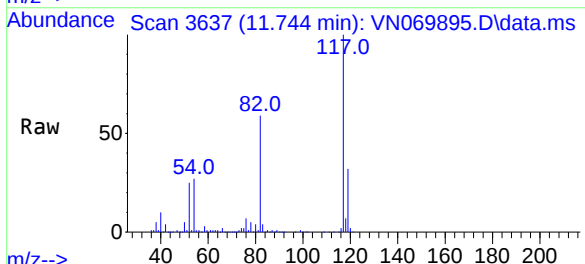
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

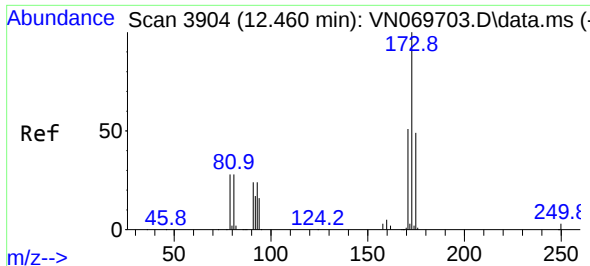
Tgt Ion: 95 Resp: 1316912
Ion Ratio Lower Upper
95 100
174 75.9 0.0 187.2
176 72.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 117 Resp: 2781200
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.4 25.4 38.2

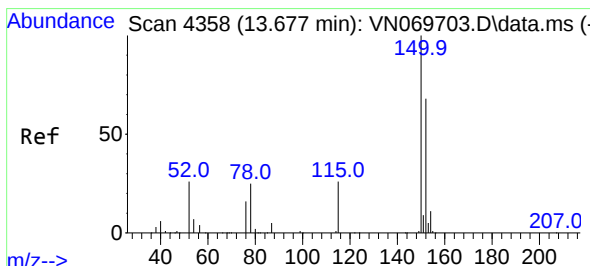
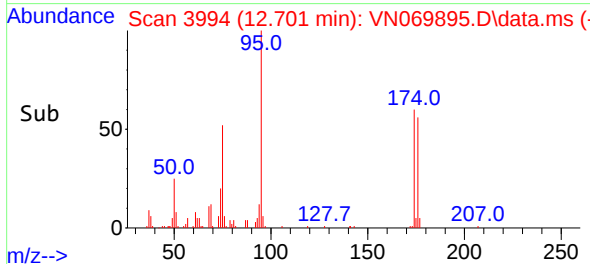
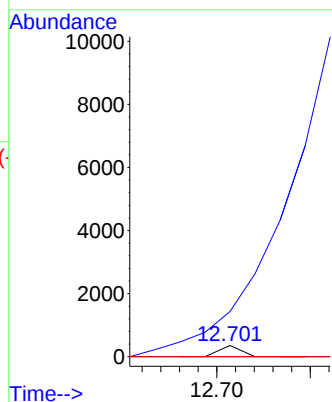
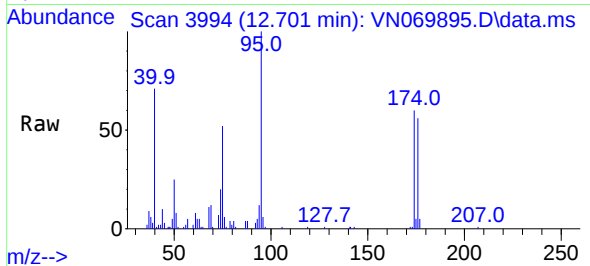




#71
Bromoform
Concen: 2.734 ug/l
RT: 12.701 min Scan# 3904
Delta R.T. 0.241 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

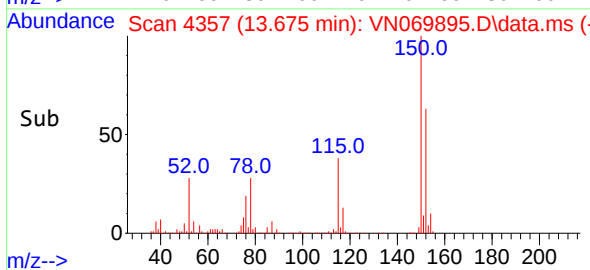
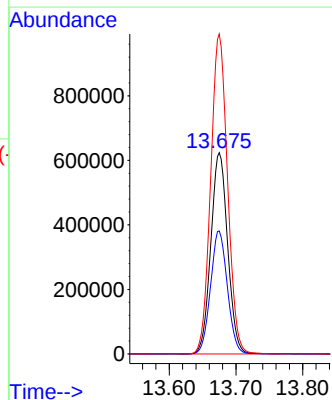
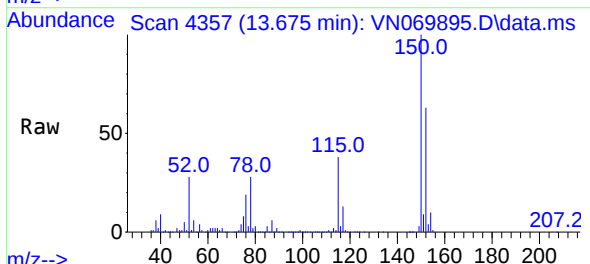
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

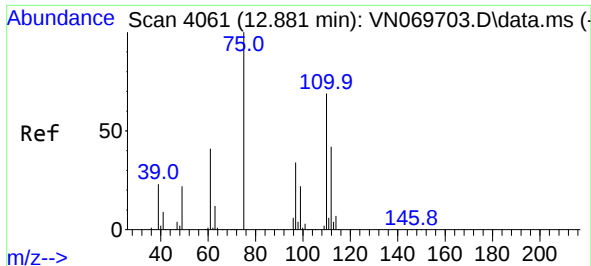
Tgt Ion:173 Resp: 57
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion:152 Resp: 1094476
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 158.7 0.0 344.4

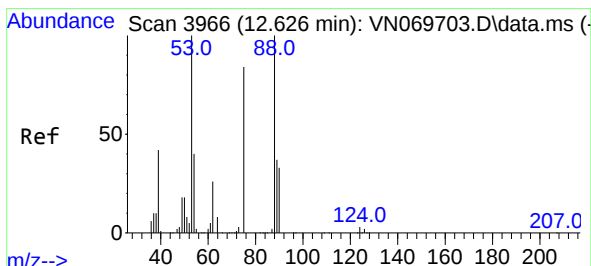
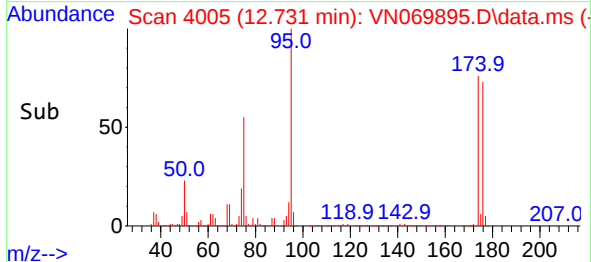
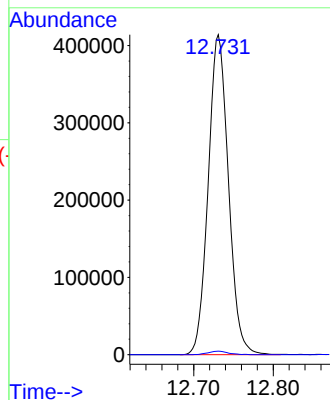
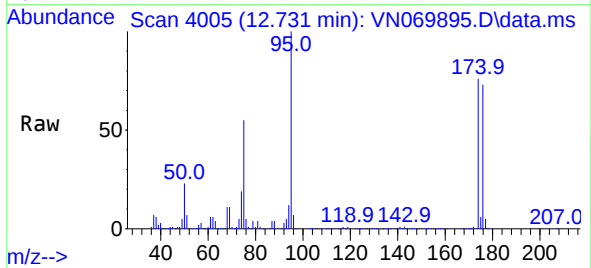




#76
1,2,3-Trichloropropane
Concen: 23.294 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.150 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

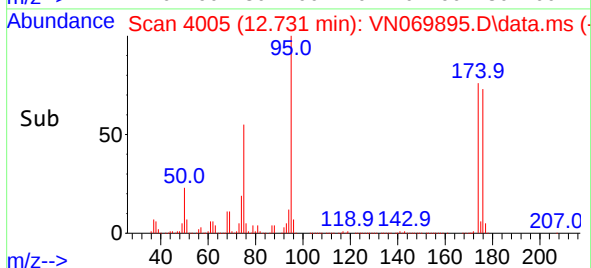
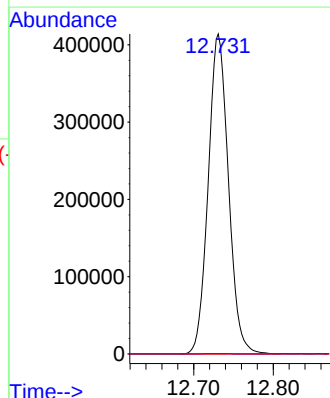
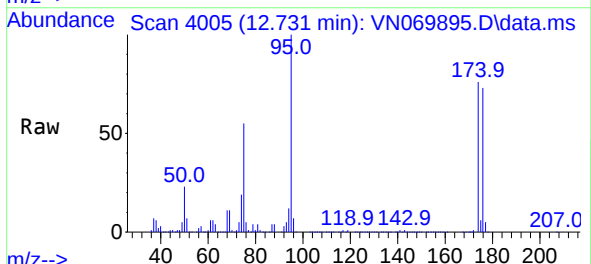
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

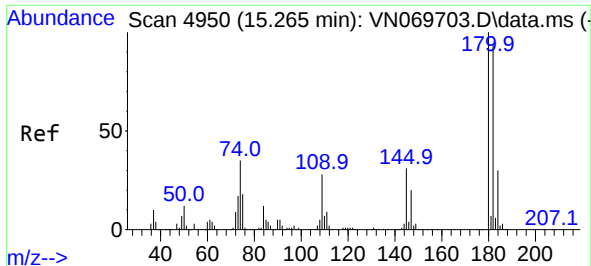
Tgt Ion: 75 Resp: 731121
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.106 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

Tgt Ion: 75 Resp: 731121
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

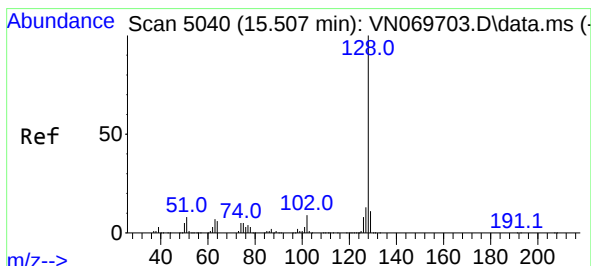
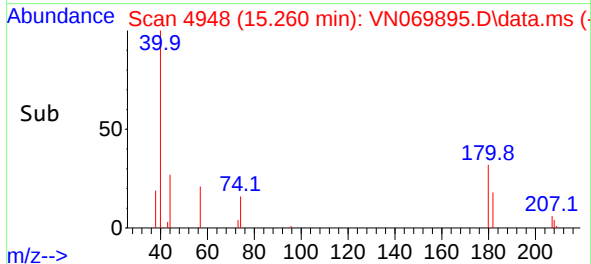
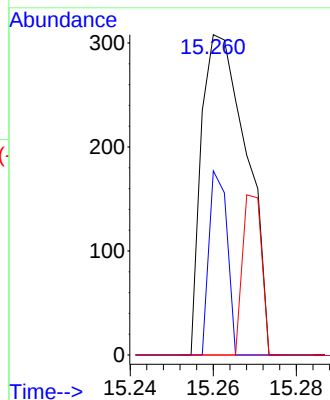
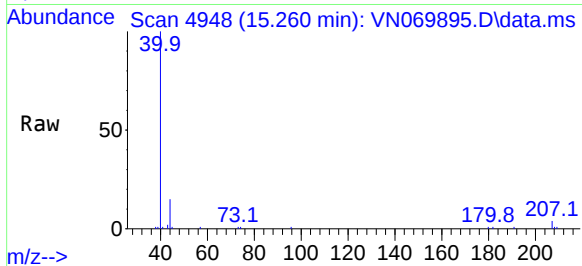




#93
1,2,4-Trichlorobenzene
Concen: 2.890 ug/l
RT: 15.260 min Scan# 4950
Delta R.T. -0.005 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

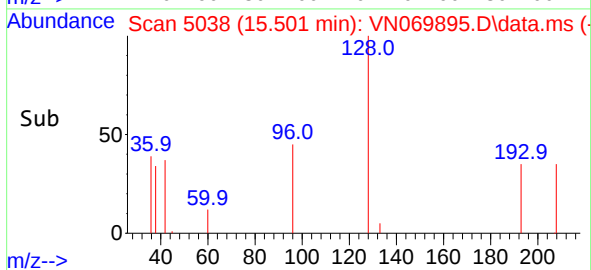
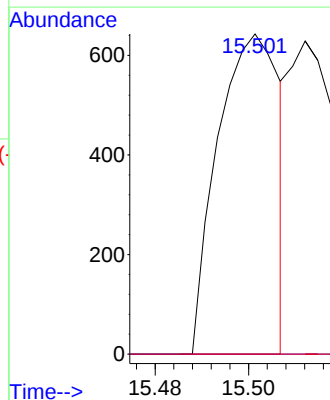
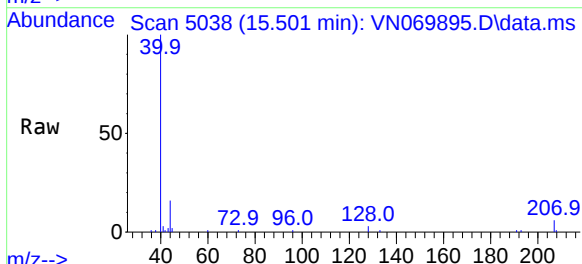
Instrument :
MSVOA_N
ClientSampleId :
TP-5S

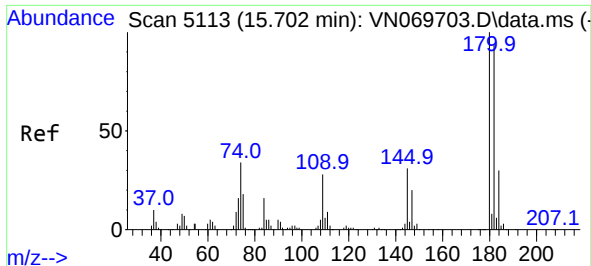
Tgt Ion:180 Resp: 232
Ion Ratio Lower Upper
180 100
182 23.3 48.3 144.9#
145 21.1 14.5 43.5



#95
Naphthalene
Concen: 3.995 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN069895.D
Acq: 9 Dec 2021 6:28

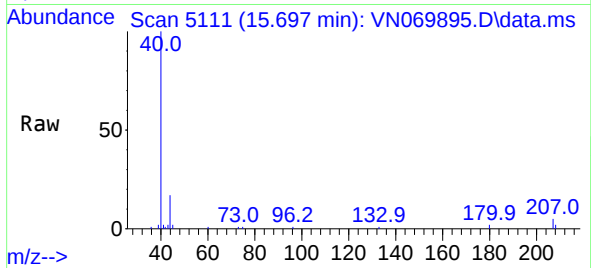
Tgt Ion:128 Resp: 587
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.457 ug/l
 RT: 15.697 min Scan# 51
 Delta R.T. -0.005 min
 Lab File: VN069895.D
 Acq: 9 Dec 2021 6:28

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5S



Tgt Ion:180 Resp: 399
 Ion Ratio Lower Upper
 180 100
 182 12.5 47.4 142.2#
 145 0.0 15.0 45.1#

