

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120821\
 Data File : VN069870.D
 Acq On : 8 Dec 2021 19:02
 Operator : JC/MD
 Sample : PB141231ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#01

Quant Time: Dec 09 11:45:04 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

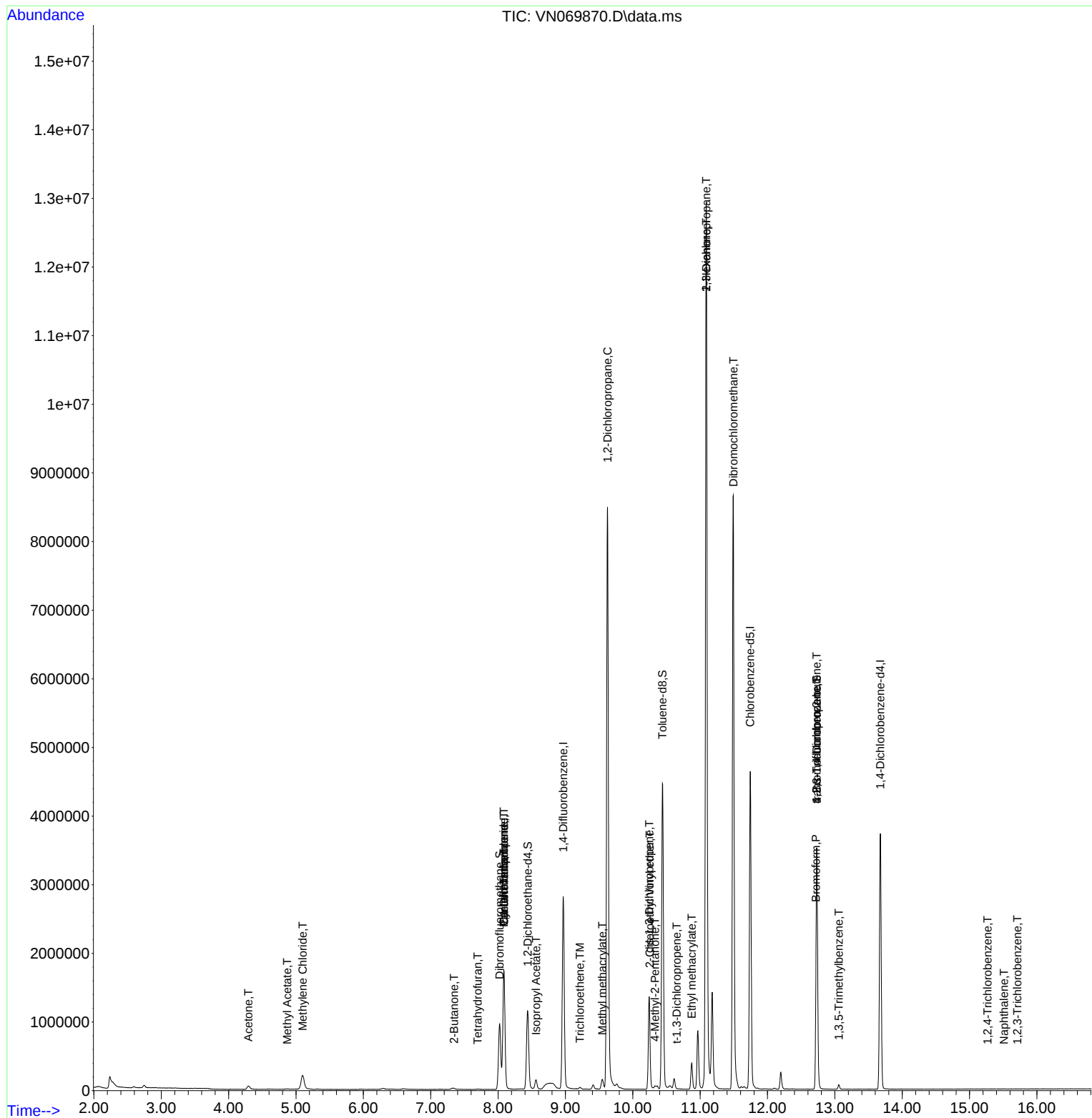
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	1257837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2316230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2555939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	990238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1007934	51.899	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.800%	
35) Dibromofluoromethane	8.024	113	697111	48.049	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.100%	
50) Toluene-d8	10.441	98	3057629	52.486	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.731	95	1212226	57.438	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 114.880%	
Target Compounds						Qvalue
16) Acetone	4.293	43	94250	8.068	ug/l	99
18) Methyl Acetate	4.870	43	12797	0.363	ug/l #	68
20) Methylene Chloride	5.098	84	149073	9.599	ug/l #	84
25) 2-Butanone	7.346	43	17715	1.116	ug/l #	89
29) Tetrahydrofuran	7.697	42	2385	0.247	ug/l #	67
31) Cyclohexane	8.086	56	33925	1.255	ug/l #	26
36) 1,1-Dichloropropene	8.086	75	109326	4.958	ug/l #	49
38) Carbon Tetrachloride	8.086	117	129680	5.997	ug/l #	16
43) Isopropyl Acetate	8.563	43	160740	3.310	ug/l #	85
44) Trichloroethene	9.215	130	8435	0.524	ug/l	89
45) 1,2-Dichloropropane	9.625	63	9995	0.552	ug/l #	44
48) Methyl methacrylate	9.547	41	44508	1.964	ug/l #	8
51) 4-Methyl-2-Pentanone	10.331	43	19681	0.625	ug/l #	76
53) t-1,3-Dichloropropene	10.652	75	25	2.795	ug/l #	1
54) cis-1,3-Dichloropropene	10.245	75	215948	9.306	ug/l #	73
56) Ethyl methacrylate	10.875	69	2433	2.353	ug/l #	1
57) 1,3-Dichloropropane	11.090	76	129092	4.416	ug/l #	43
58) 2-Chloroethyl Vinyl ether	10.250	63	62	18.396	ug/l #	45
59) 2-Hexanone	11.090	43	2318178	97.267	ug/l #	47
60) Dibromochloromethane	11.495	129	1245	2.443	ug/l #	11
71) Bromoform	12.720	173	1934	2.848	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	676678	23.829	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.058	105	29633	0.418	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.731	75	676678	75.715	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	49	2.881	ug/l #	1
95) Naphthalene	15.509	128	1060	4.005	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.711	180	155	2.445	ug/l #	78

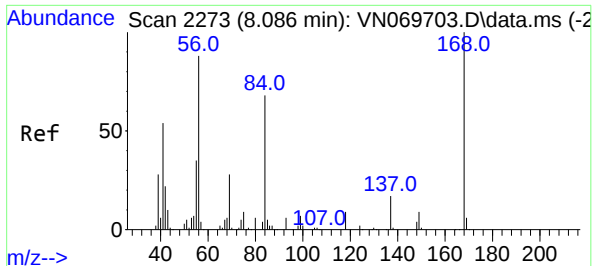
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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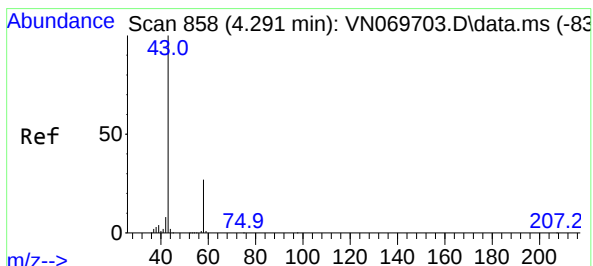
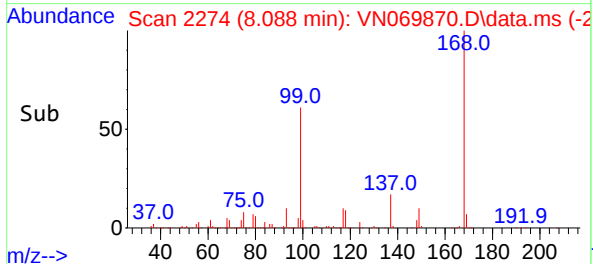
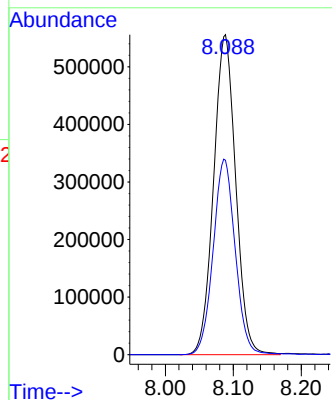
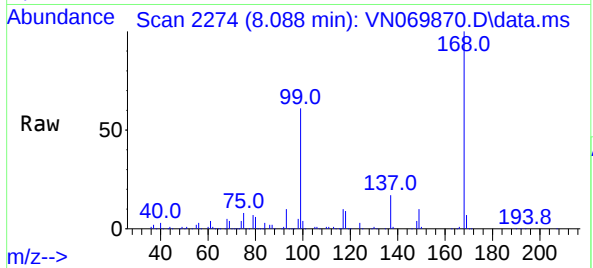




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

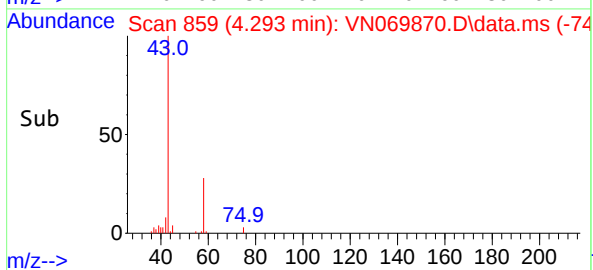
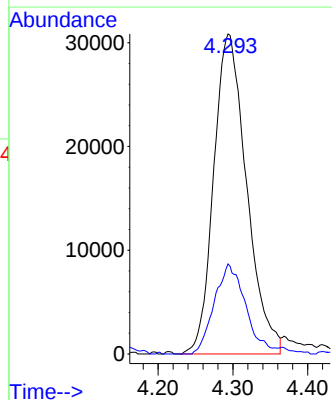
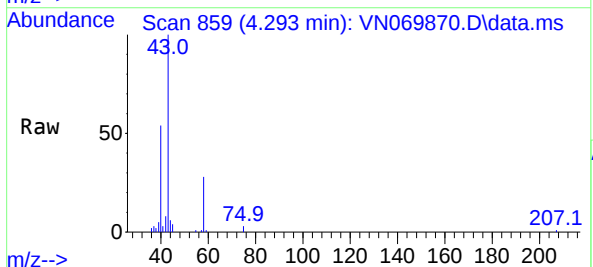
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

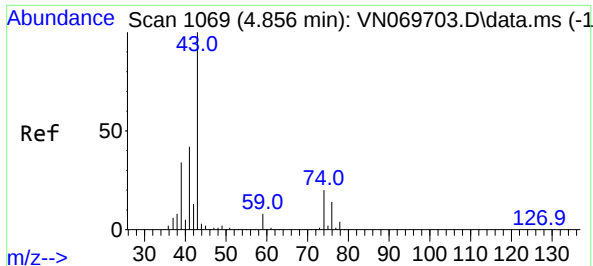
Tgt Ion:168 Resp: 1257837
Ion Ratio Lower Upper
168 100
99 60.7 41.3 61.9



#16
Acetone
Concen: 8.068 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 43 Resp: 94250
Ion Ratio Lower Upper
43 100
58 28.1 23.1 34.7

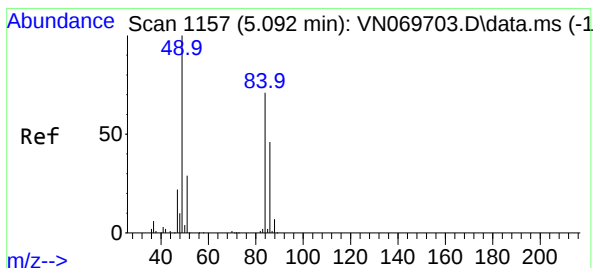
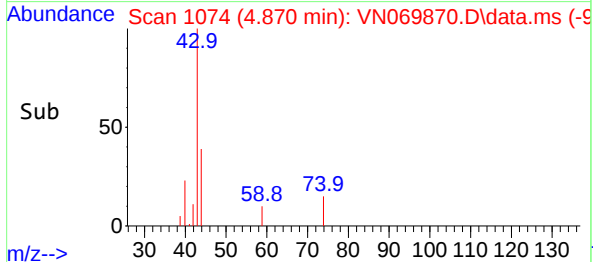
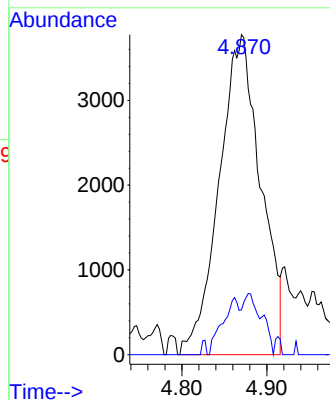
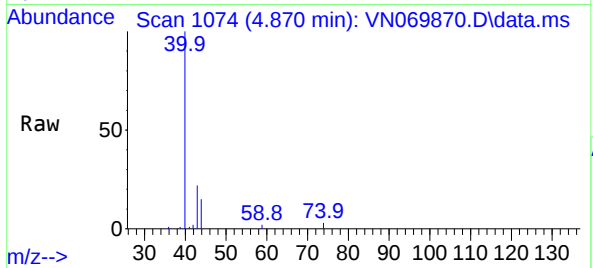




#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 4.870 min Scan# 1069
Delta R.T. 0.014 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

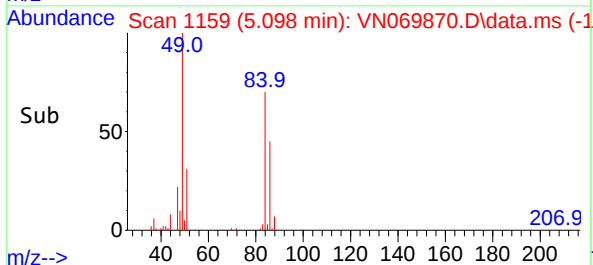
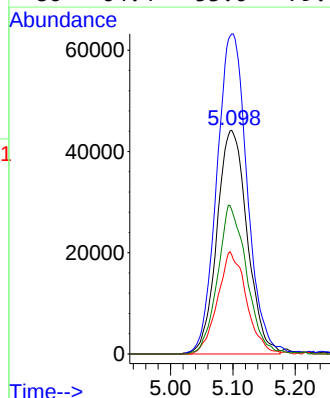
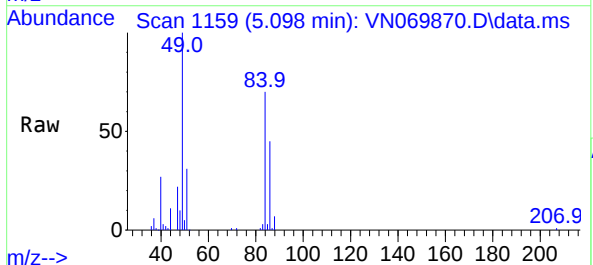
Instrument :
MSVOA_N
ClientSampleId :
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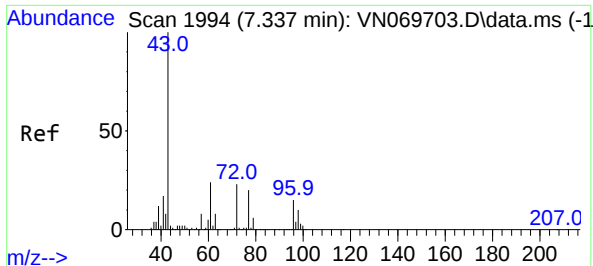
Tgt Ion: 43 Resp: 12797
Ion Ratio Lower Upper
43 100
74 8.3 19.4 29.2#



#20
Methylene Chloride
Concen: 9.599 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.006 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 84 Resp: 149073
Ion Ratio Lower Upper
84 100
49 143.1 93.5 140.3#
51 44.3 29.4 44.2#
86 64.4 53.0 79.4

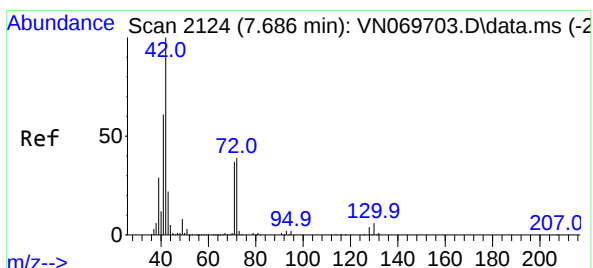
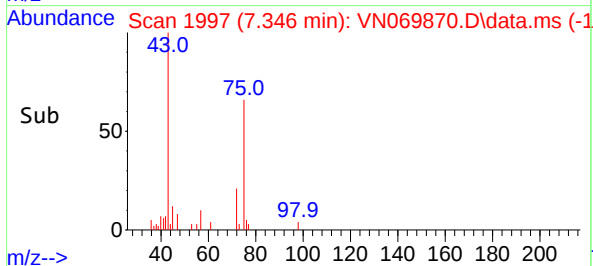
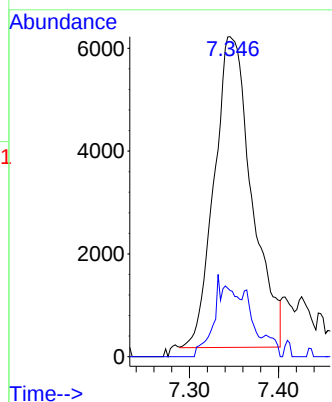
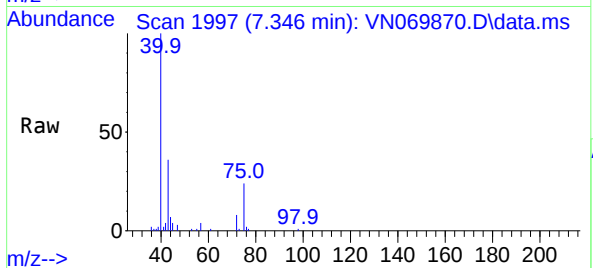




#25
2-Butanone
Concen: 1.116 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

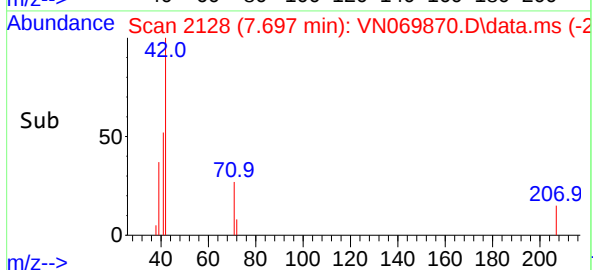
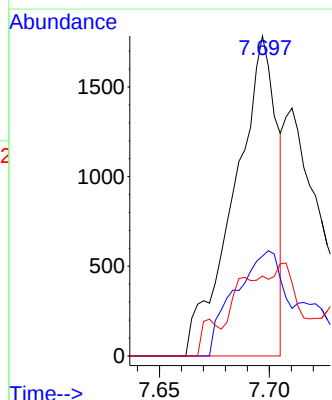
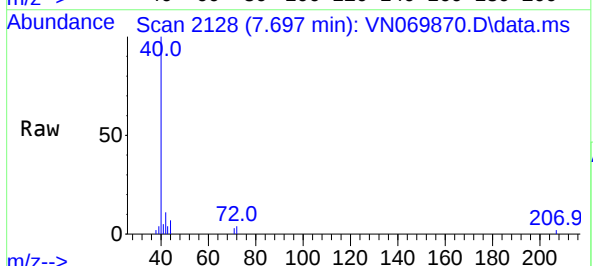
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MSVOA_N
ClientSampleId :
PB141231ZHE#01

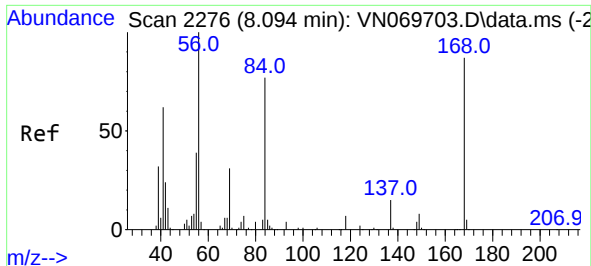
Tgt Ion: 43 Resp: 17715
Ion Ratio Lower Upper
43 100
72 21.3 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.247 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.011 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

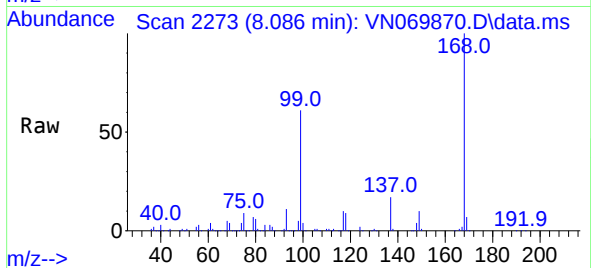
Tgt Ion: 42 Resp: 2385
Ion Ratio Lower Upper
42 100
72 38.1 36.3 54.5
71 7.1 34.7 52.1#



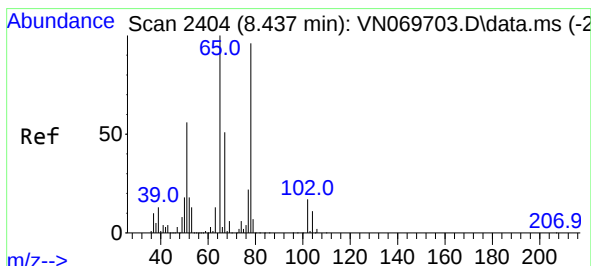
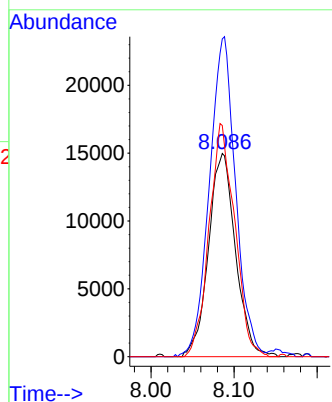
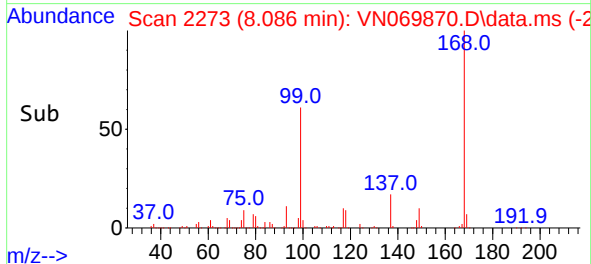


#31
Cyclohexane
Concen: 1.255 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

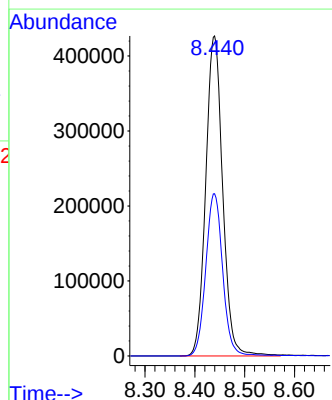
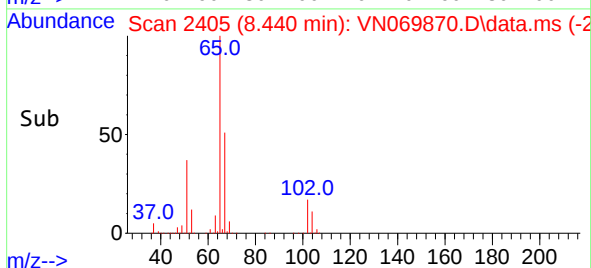
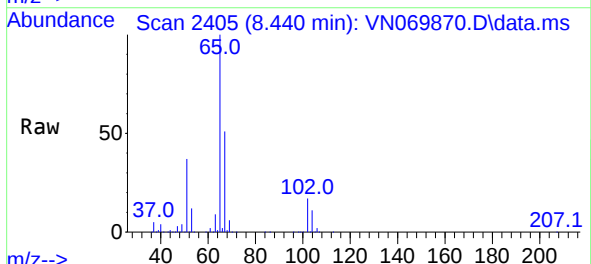


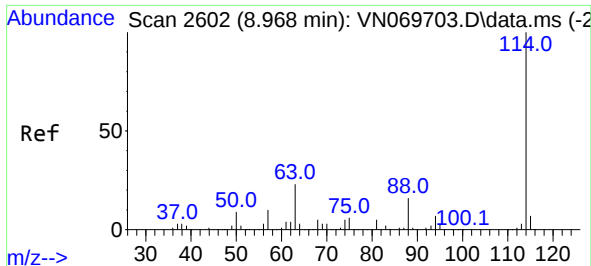
Tgt Ion: 56 Resp: 33925
Ion Ratio Lower Upper
56 100
69 155.2 27.1 40.7#
84 113.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.899 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 65 Resp: 1007934
Ion Ratio Lower Upper
65 100
67 50.6 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: VN069870.D

Acq: 8 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#01

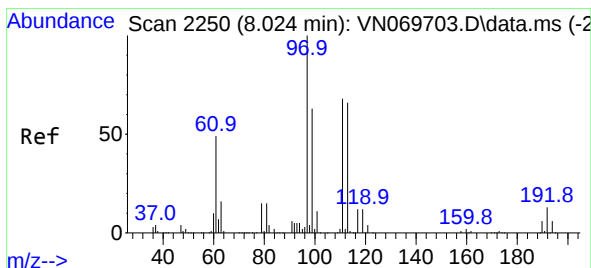
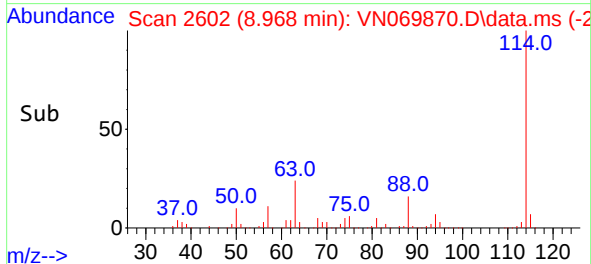
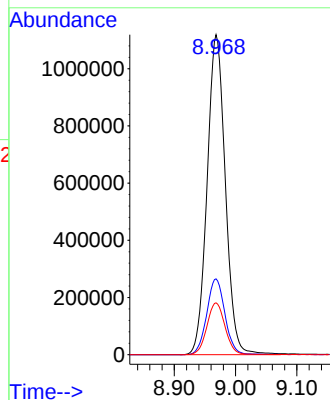
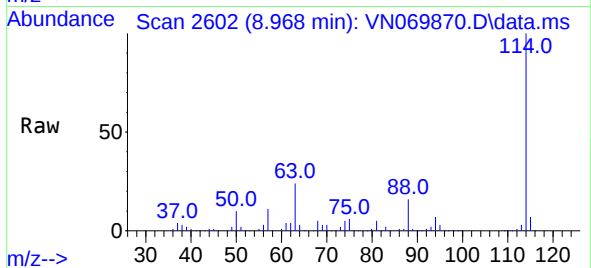
Tgt Ion:114 Resp: 2316230

Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.049 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN069870.D

Acq: 8 Dec 2021 19:02

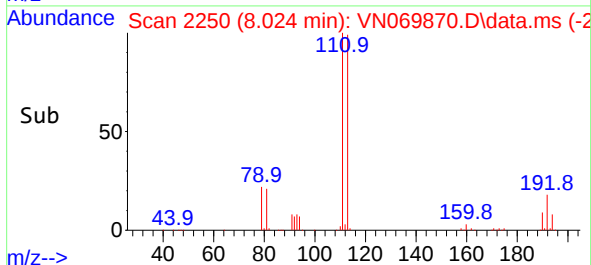
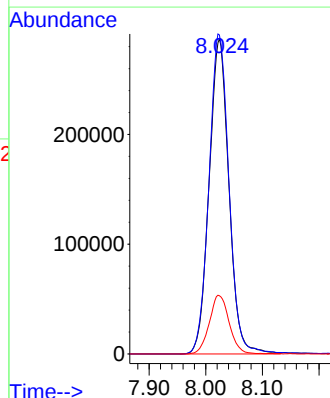
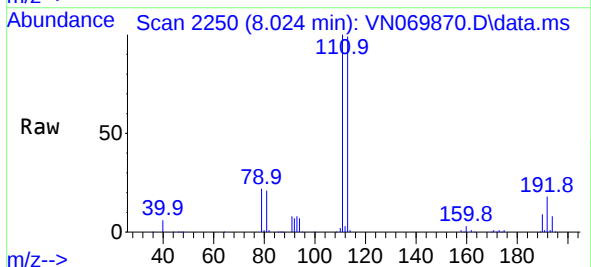
Tgt Ion:113 Resp: 697111

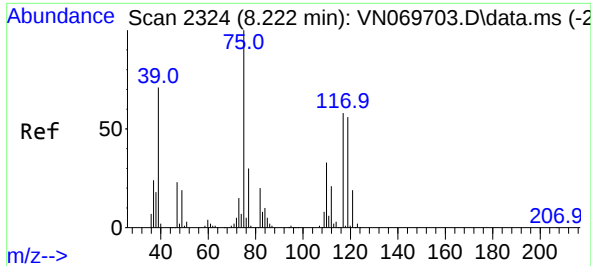
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 18.7 16.9 25.3

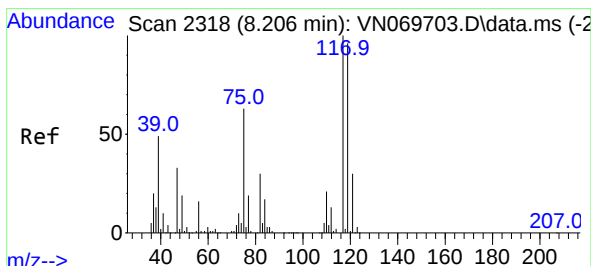
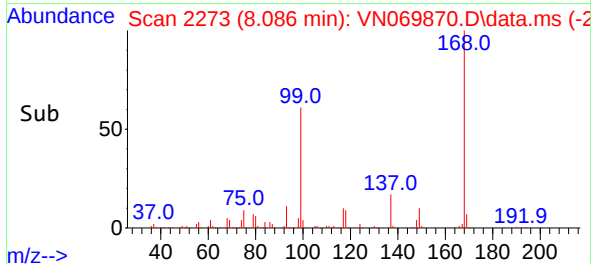
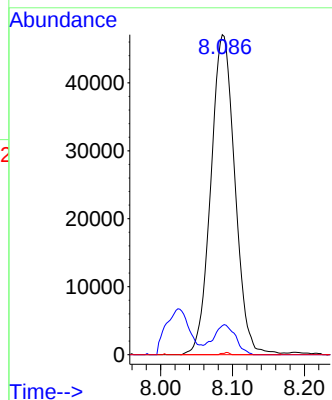
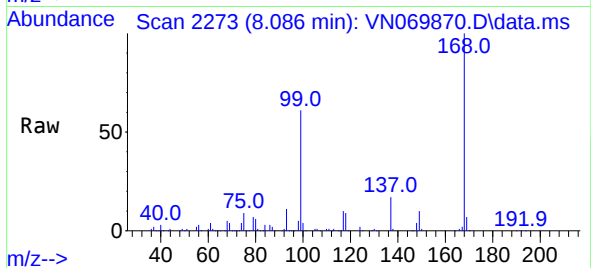




#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

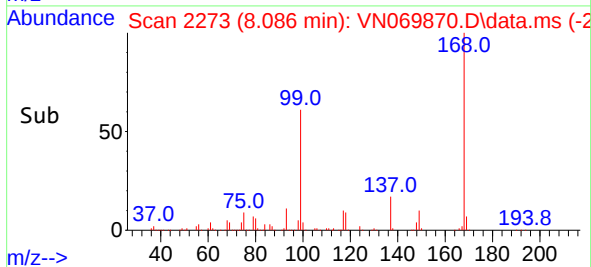
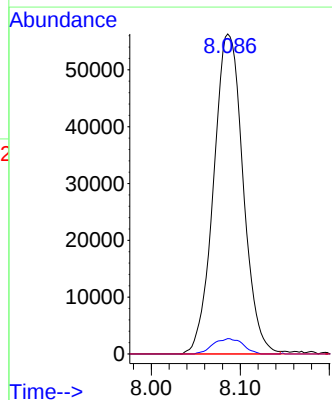
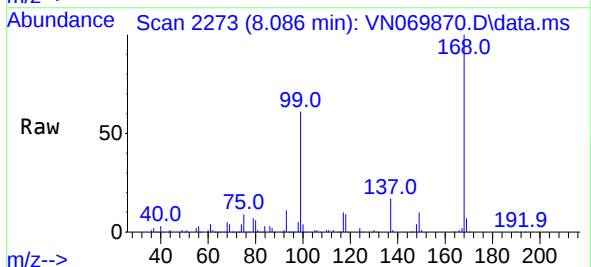
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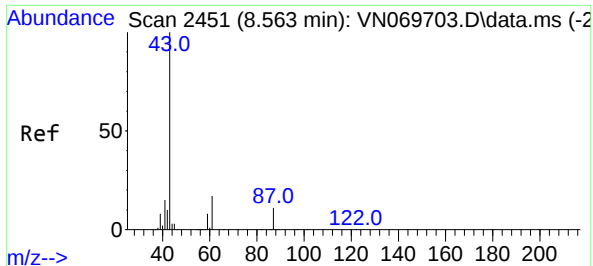
Tgt Ion: 75 Resp: 109326
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.997 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 117 Resp: 129680
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#

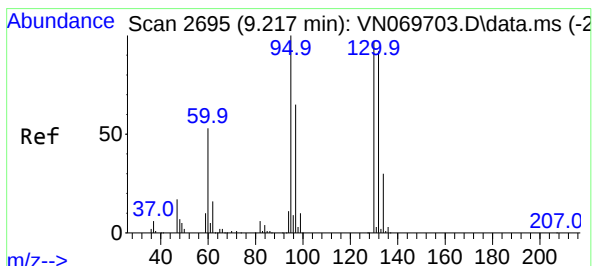
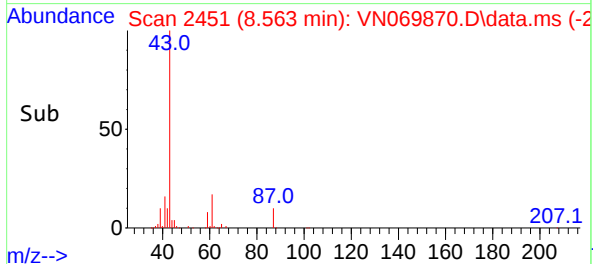
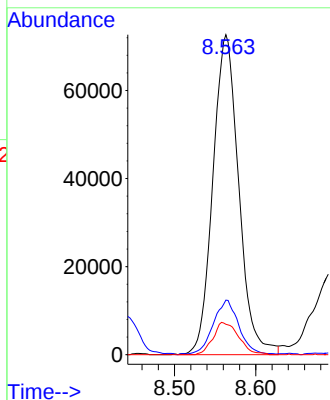
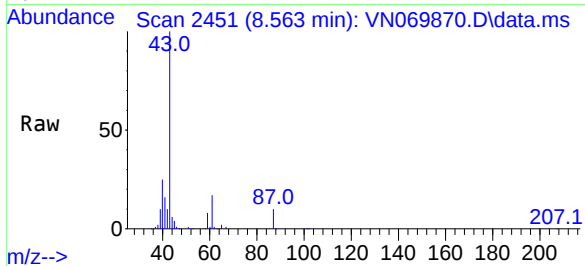




#43
Isopropyl Acetate
Concen: 3.310 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.000 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

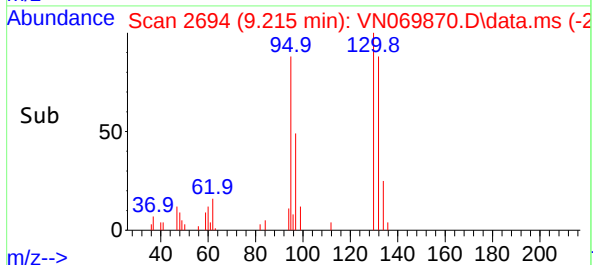
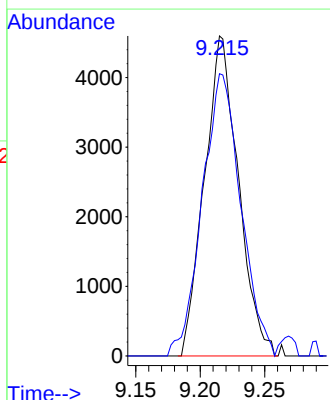
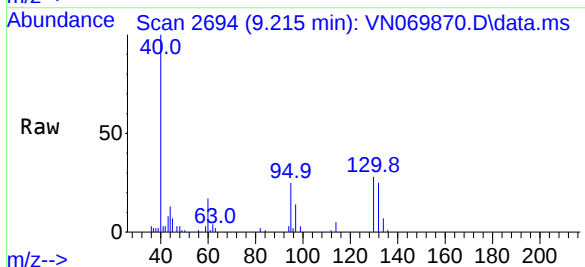
Instrument : MSVOA_N
ClientSampleId : PB141231ZHE#01

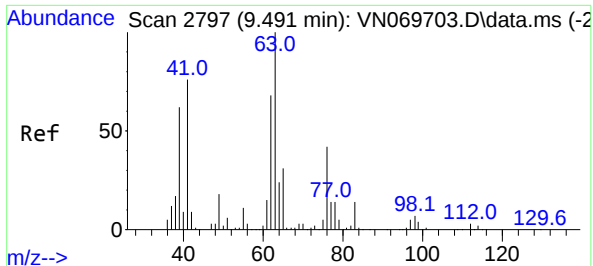
Tgt Ion: 43 Resp: 160740
Ion Ratio Lower Upper
43 100
61 16.4 20.4 30.6#
87 10.0 11.2 16.8#



#44
Trichloroethene
Concen: 0.524 ug/l
RT: 9.215 min Scan# 2694
Delta R.T. -0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion:130 Resp: 8435
Ion Ratio Lower Upper
130 100
95 84.9 0.0 191.2





#45

1,2-Dichloropropane

Concen: 0.552 ug/l

RT: 9.625 min Scan# 21

Delta R.T. 0.134 min

Lab File: VN069870.D

Acq: 8 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

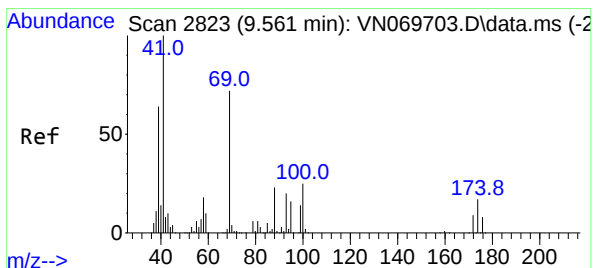
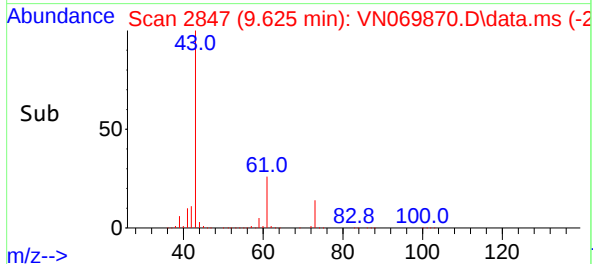
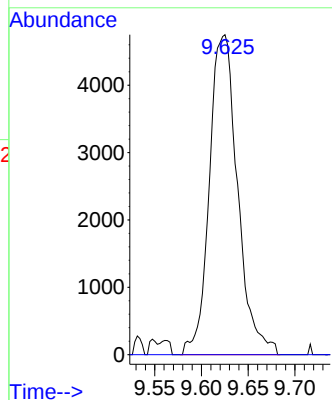
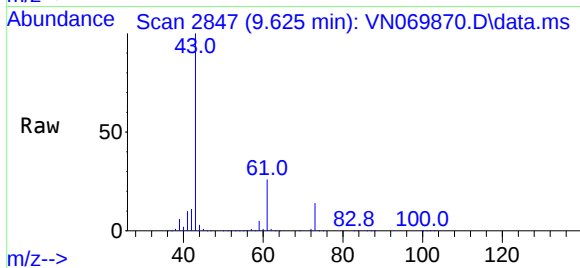
PB141231ZHE#01

Tgt Ion: 63 Resp: 9995

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#



#48

Methyl methacrylate

Concen: 1.964 ug/l

RT: 9.547 min Scan# 2818

Delta R.T. -0.014 min

Lab File: VN069870.D

Acq: 8 Dec 2021 19:02

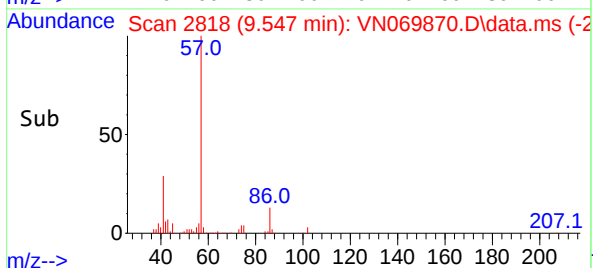
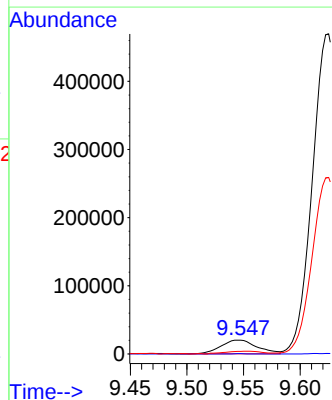
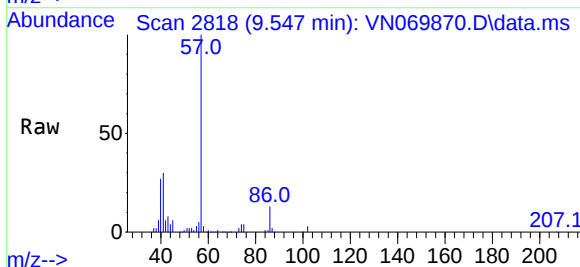
Tgt Ion: 41 Resp: 44508

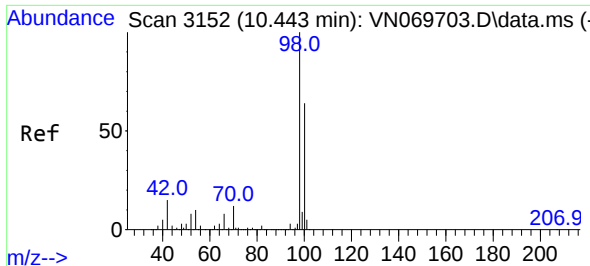
Ion Ratio Lower Upper

41 100

69 0.4 72.4 108.6#

39 0.0 58.4 87.6#

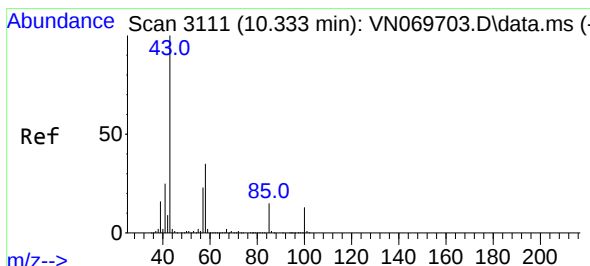
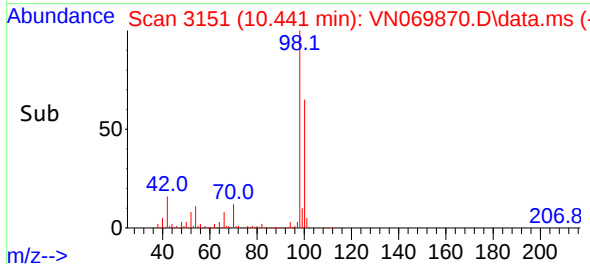
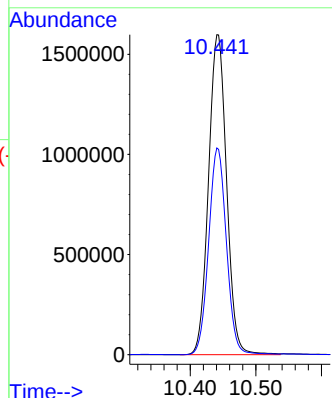
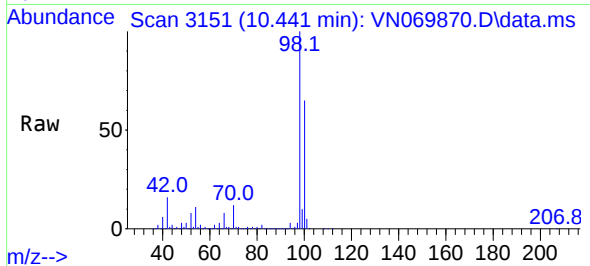




#50
Toluene-d8
Concen: 52.486 ug/l
RT: 10.441 min Scan# 3152
Delta R.T. -0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

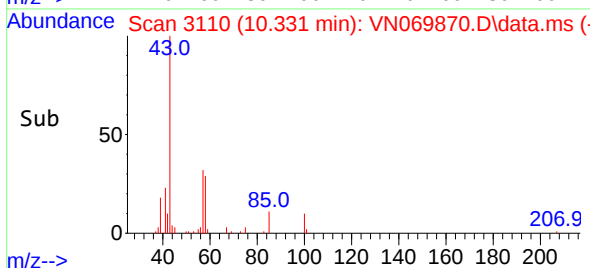
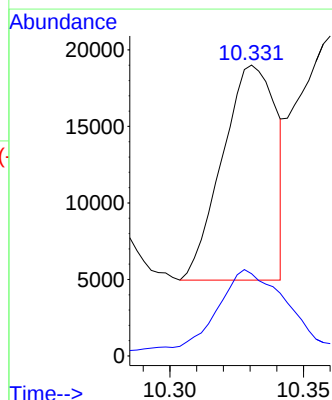
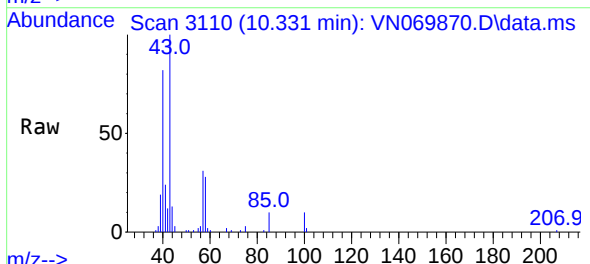
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

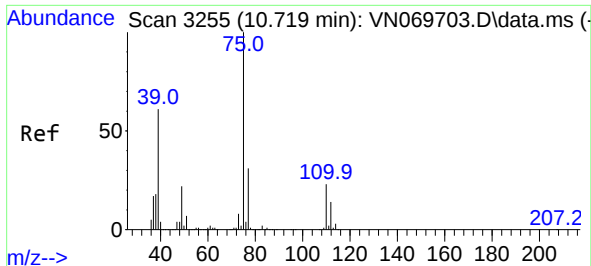
Tgt Ion: 98 Resp: 3057629
Ion Ratio Lower Upper
98 100
100 63.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.625 ug/l
RT: 10.331 min Scan# 3110
Delta R.T. -0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

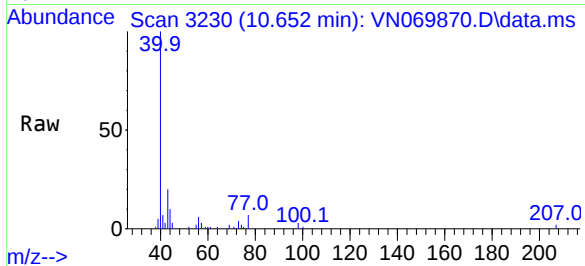
Tgt Ion: 43 Resp: 19681
Ion Ratio Lower Upper
43 100
58 52.3 30.4 45.6#



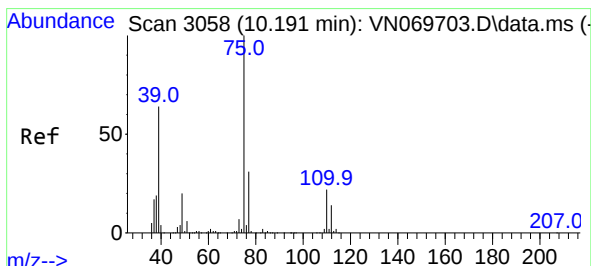
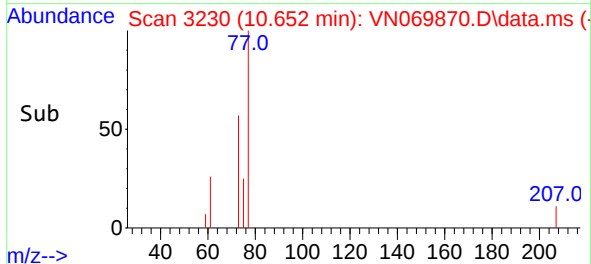
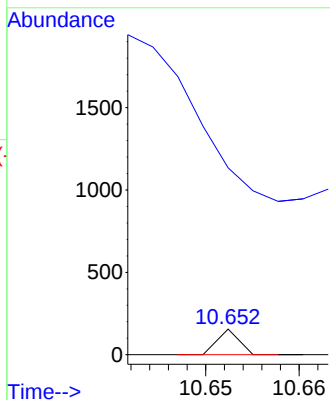


#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.652 min Scan# 31
Delta R.T. -0.067 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

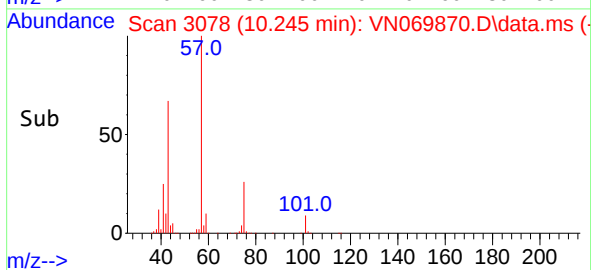
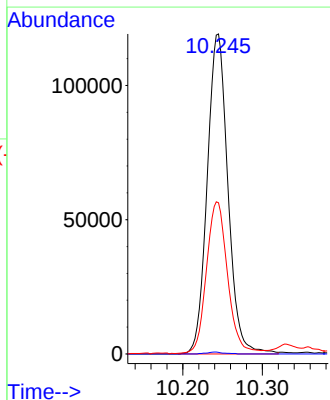
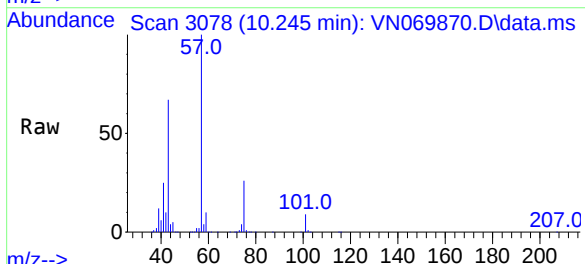


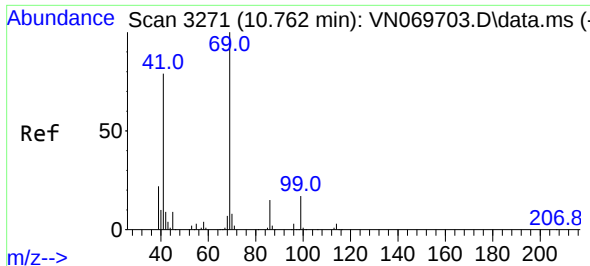
Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 130.8 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 9.306 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 75 Resp: 215948
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 47.0 42.5 63.7

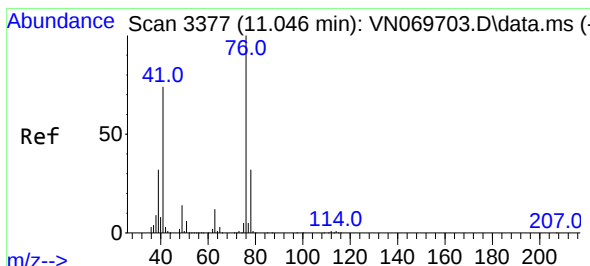
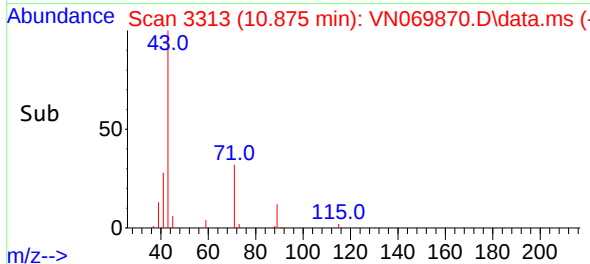
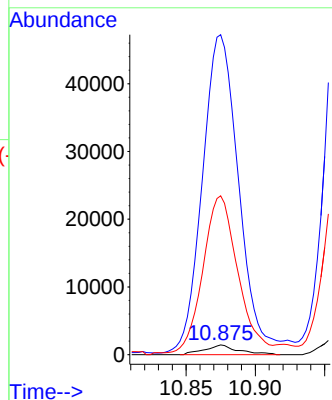
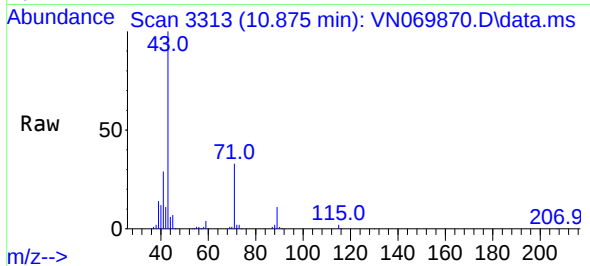




#56
Ethyl methacrylate
Concen: 2.353 ug/l
RT: 10.875 min Scan# 311
Delta R.T. 0.113 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

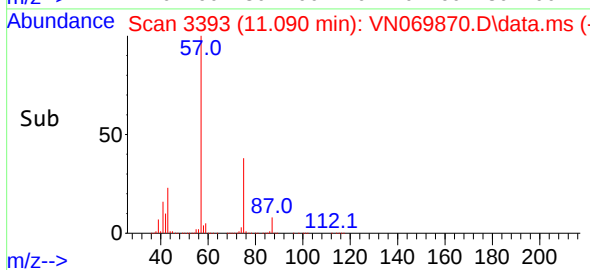
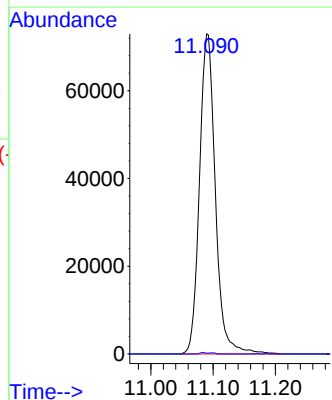
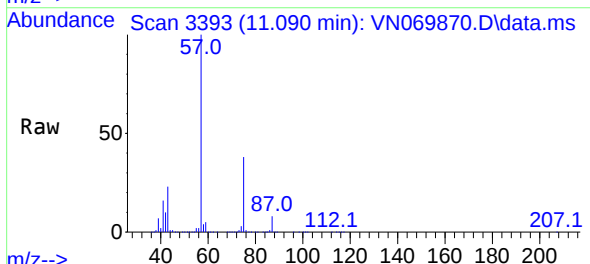
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

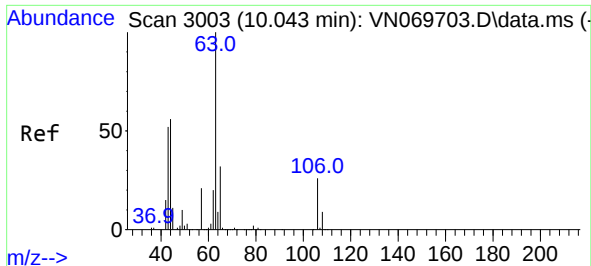
Tgt Ion: 69 Resp: 2433
Ion Ratio Lower Upper
69 100
41 3501.4 51.4 77.0#
39 1714.8 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 4.416 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.043 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 76 Resp: 129092
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

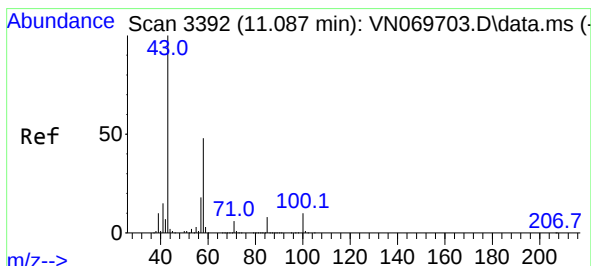
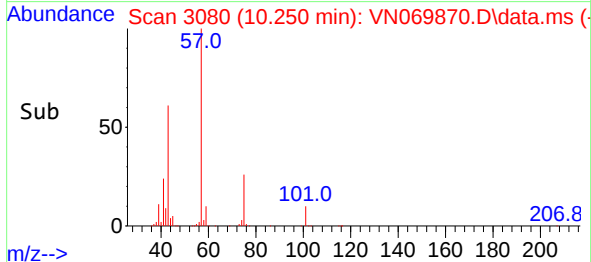
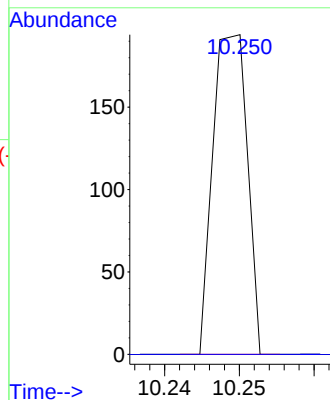
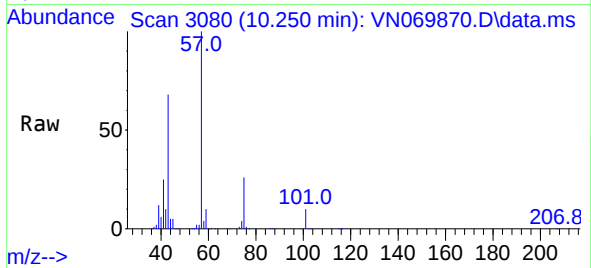




#58
2-Chloroethyl Vinyl ether
Concen: 18.396 ug/l
RT: 10.250 min Scan# 3003
Delta R.T. 0.207 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

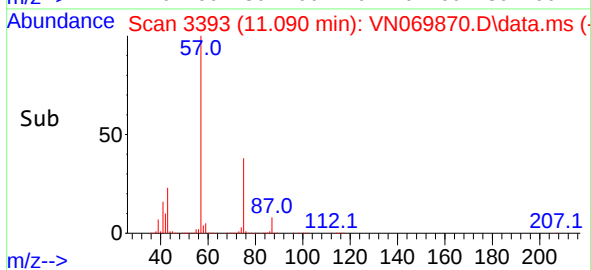
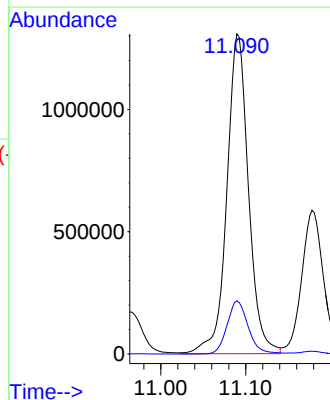
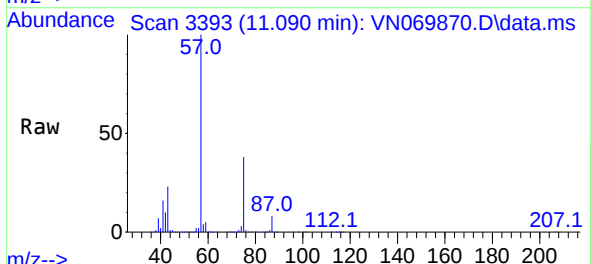
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

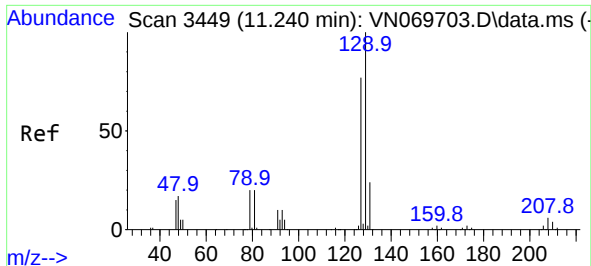
Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 97.267 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.003 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion: 43 Resp: 2318178
Ion Ratio Lower Upper
43 100
58 16.2 26.9 80.7#

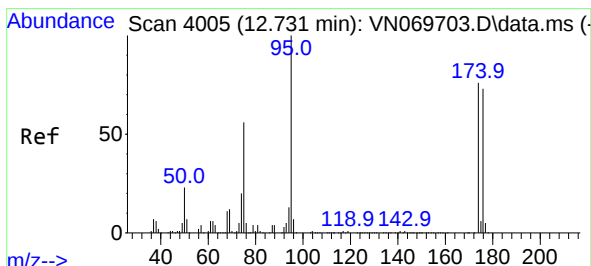
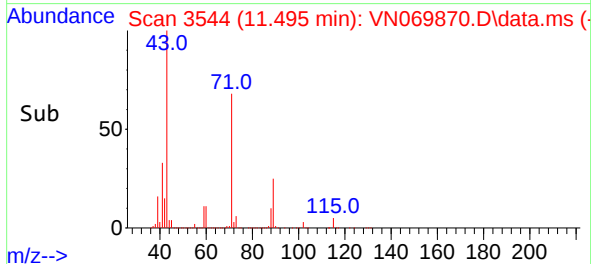
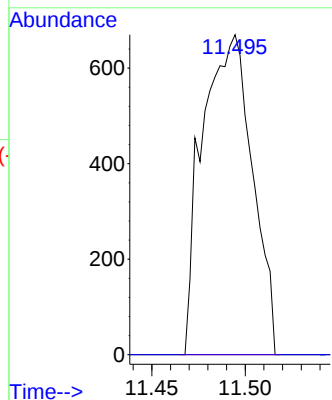
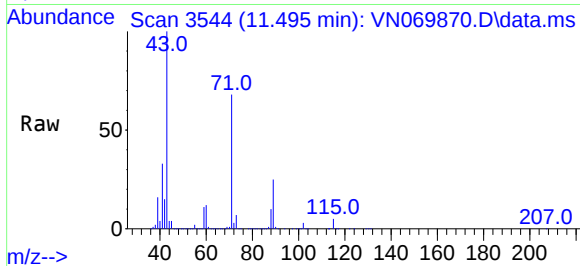




#60
Dibromochloromethane
Concen: 2.443 ug/l
RT: 11.495 min Scan# 31
Delta R.T. 0.255 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

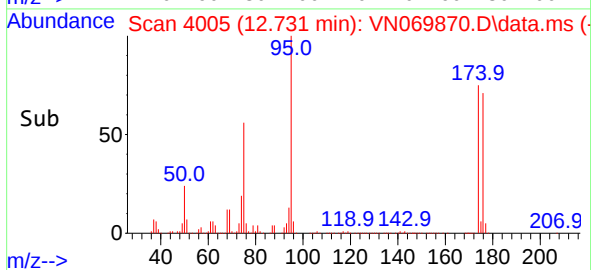
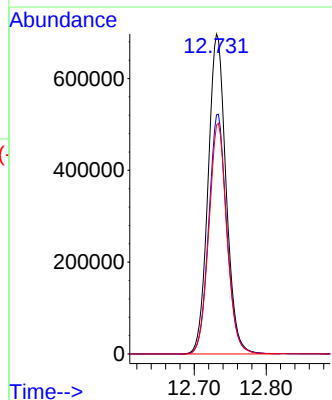
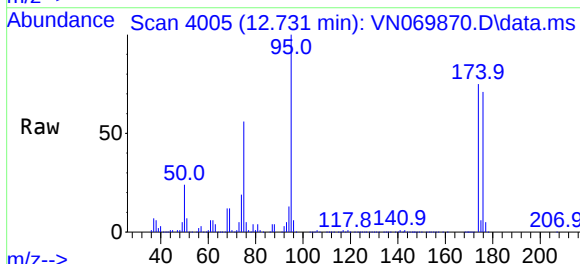
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

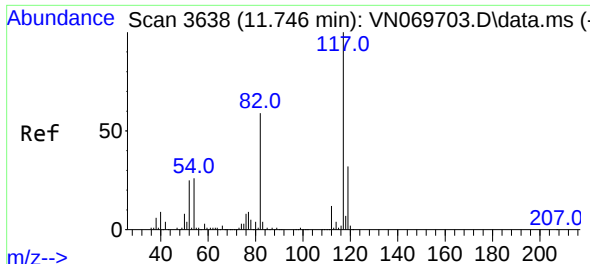
Tgt Ion:129 Resp: 1245
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 57.438 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

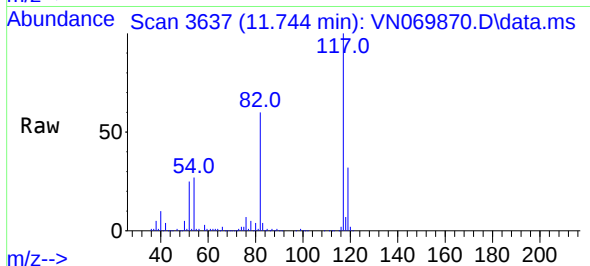
Tgt Ion: 95 Resp: 1212226
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.1 0.0 181.4



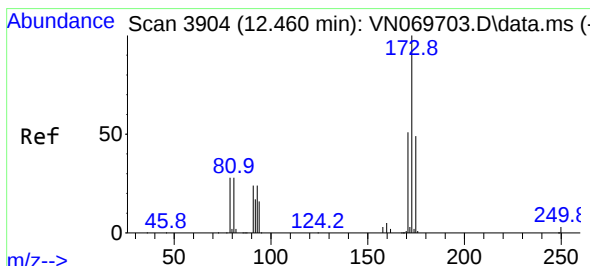
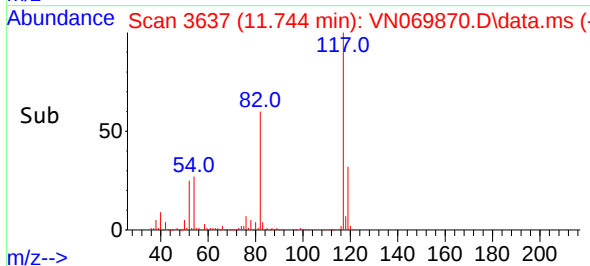
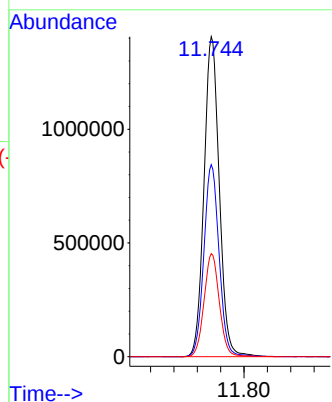


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 301
Delta R.T. -0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

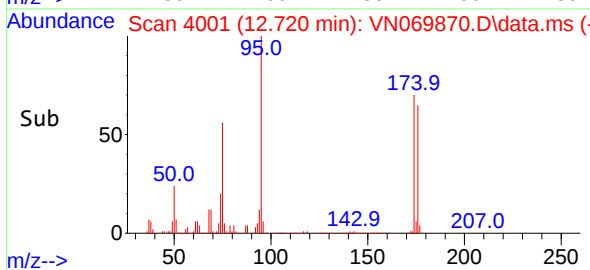
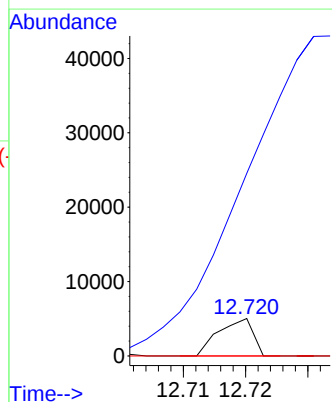
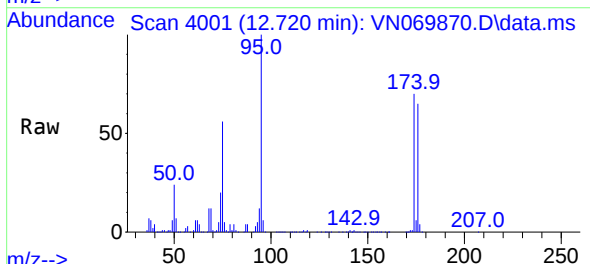


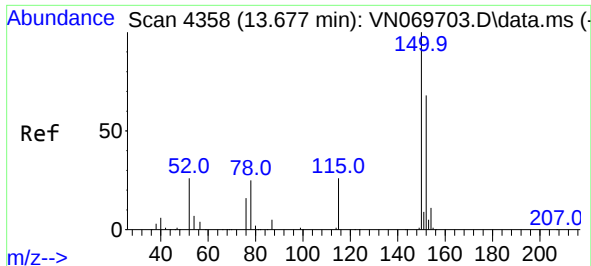
Tgt Ion:117 Resp: 2555939
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.2 25.4 38.2



#71
Bromoform
Concen: 2.848 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion:173 Resp: 1934
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0

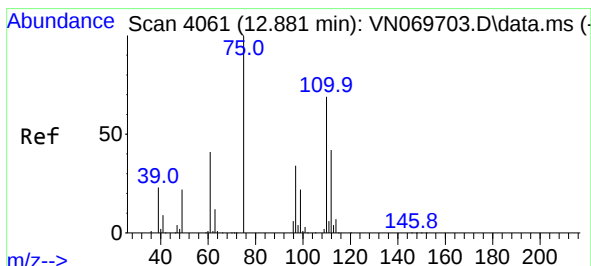
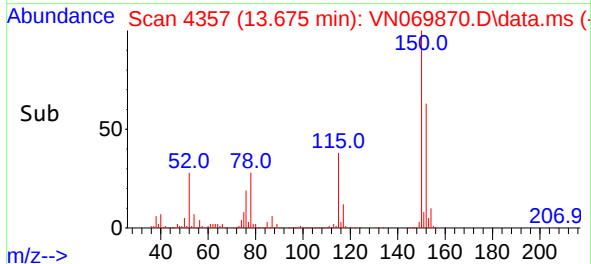
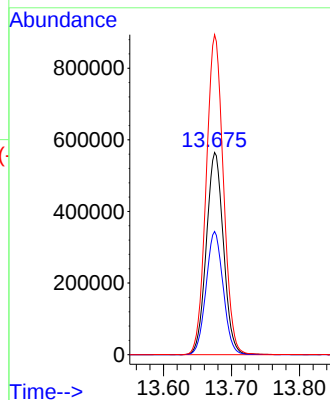
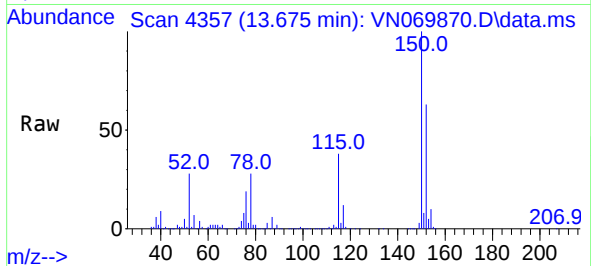




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.002 min
 Lab File: VN069870.D
 Acq: 8 Dec 2021 19:02

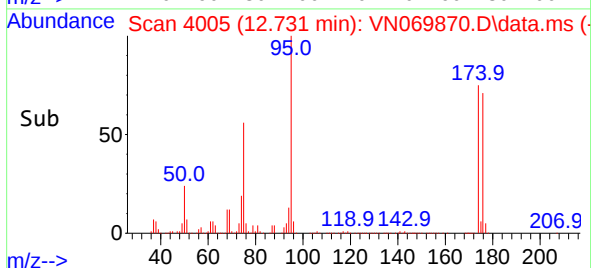
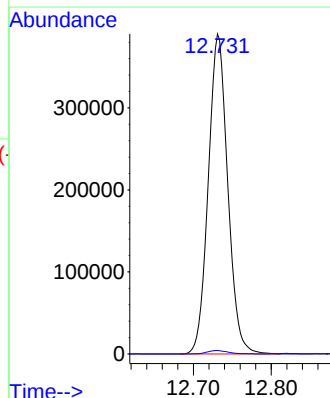
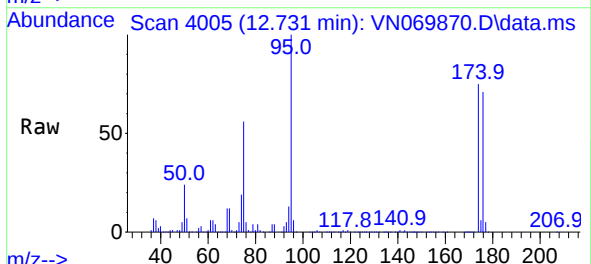
Instrument :
 MSVOA_N
 ClientSampleId :
 PB141231ZHE#01

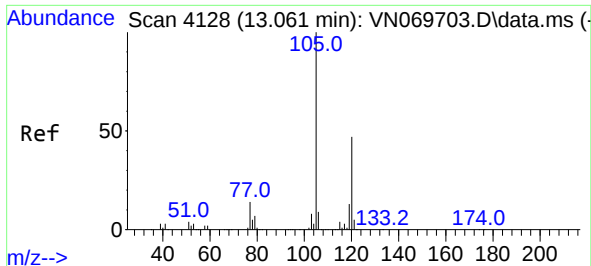
Tgt Ion:152 Resp: 990238
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 158.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 23.829 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN069870.D
 Acq: 8 Dec 2021 19:02

Tgt Ion: 75 Resp: 676678
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

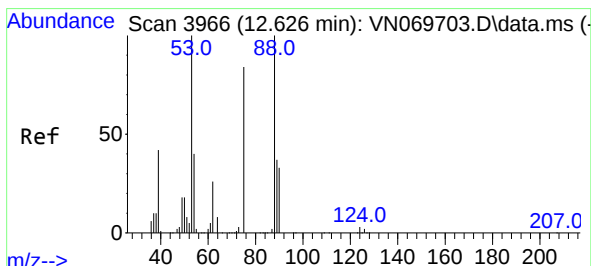
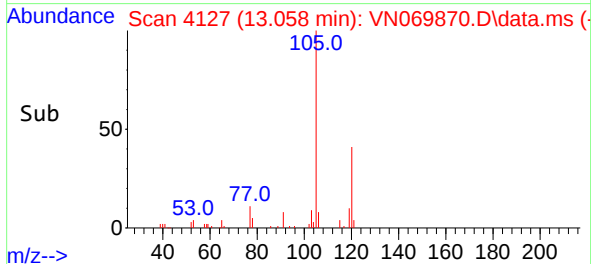
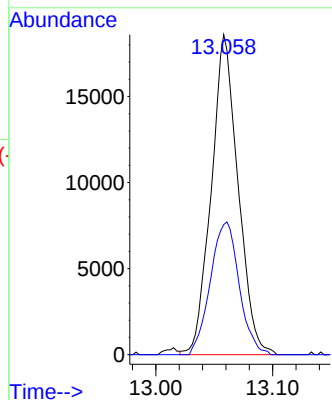
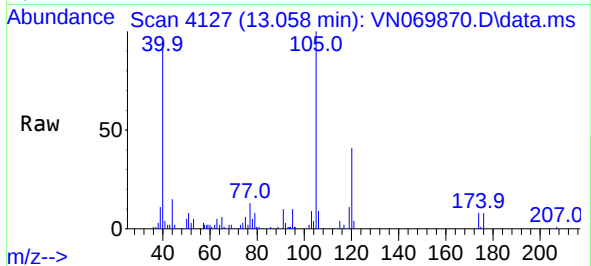




#80
1,3,5-Trimethylbenzene
Concen: 0.418 ug/l
RT: 13.058 min Scan# 41
Delta R.T. -0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

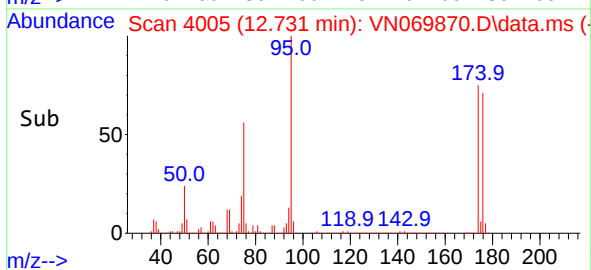
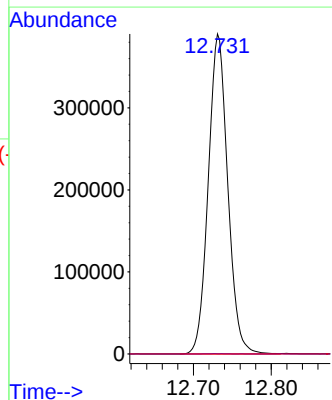
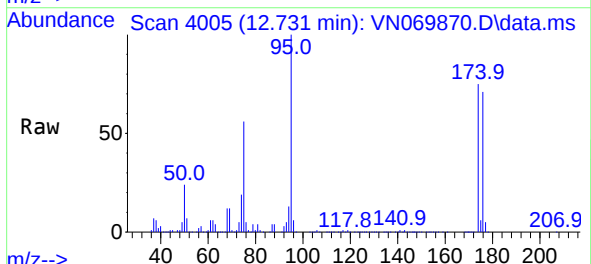
Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

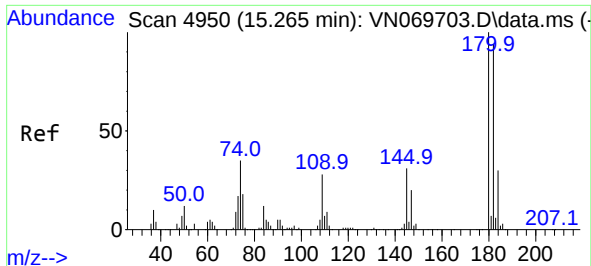
Tgt Ion:105 Resp: 29633
Ion Ratio Lower Upper
105 100
120 44.5 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 75.715 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

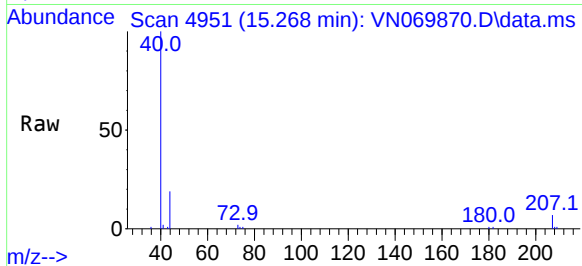
Tgt Ion: 75 Resp: 676678
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



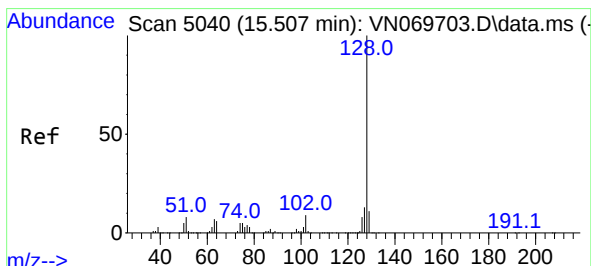
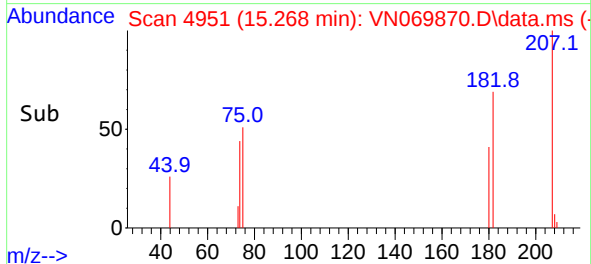
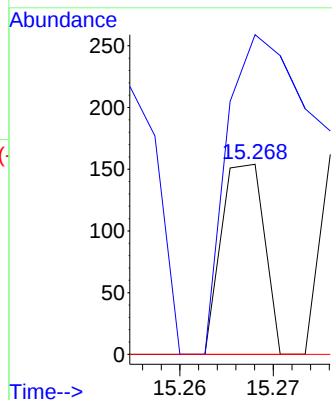


#93
1,2,4-Trichlorobenzene
Concen: 2.881 ug/l
RT: 15.268 min Scan# 49
Delta R.T. 0.003 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Instrument :
MSVOA_N
ClientSampleId :
PB141231ZHE#01

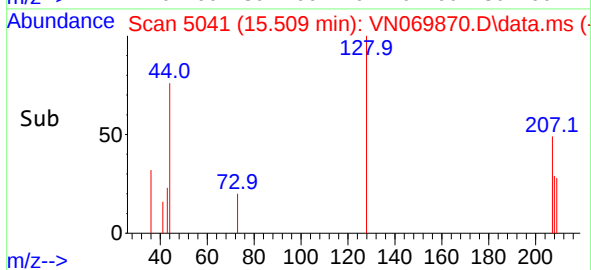
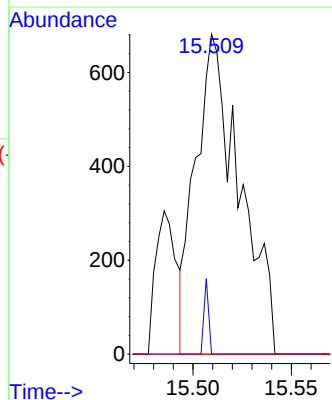
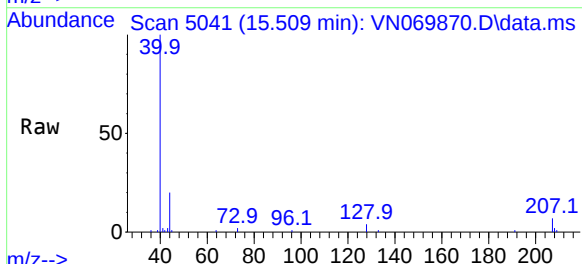


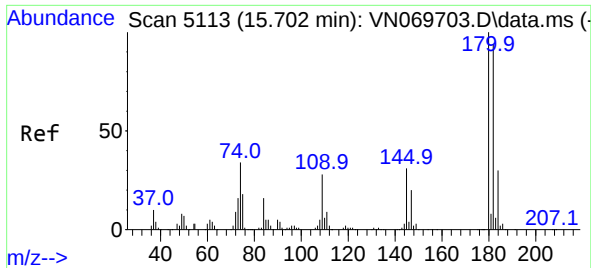
Tgt Ion:180 Resp: 49
Ion Ratio Lower Upper
180 100
182 410.2 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 4.005 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN069870.D
Acq: 8 Dec 2021 19:02

Tgt Ion:128 Resp: 1060
Ion Ratio Lower Upper
128 100
127 2.5 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.445 ug/l

RT: 15.711 min Scan# 51

Delta R.T. 0.009 min

Lab File: VN069870.D

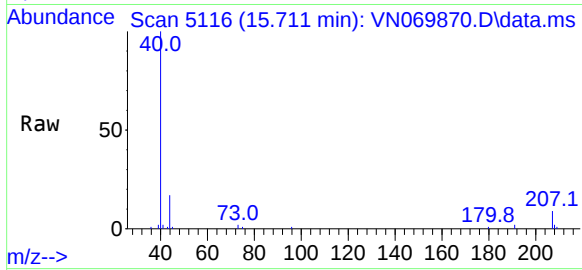
Acq: 8 Dec 2021 19:02

Instrument :

MSVOA_N

ClientSampleId :

PB141231ZHE#01



Tgt Ion:180 Resp: 155

Ion Ratio Lower Upper

180 100

182 83.9 47.4 142.2

145 0.0 15.0 45.1#

