

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120221\
 Data File : VN069706.D
 Acq On : 2 Dec 2021 20:12
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 03 07:51:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 07:46:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1455079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	2485922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2514066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	970199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1062046	48.489	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.980%
35) Dibromofluoromethane	8.024	113	733307	47.741	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.480%
50) Toluene-d8	10.443	98	3152808	52.244	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.480%
62) 4-Bromofluorobenzene	12.734	95	1175491	53.254	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	6370	0.397	ug/l	94
3) Chloromethane	2.306	50	6107	0.323	ug/l	94
4) Vinyl Chloride	2.446	62	4087	0.220	ug/l #	55
5) Bromomethane	2.880	94	8322	0.703	ug/l	89
7) Trichlorofluoromethane	3.373	101	6295	0.226	ug/l	99
10) Methyl Iodide	4.425	142	5898	0.340	ug/l #	40
12) 1,1-Dichloroethene	4.186	96	4246	0.346	ug/l #	79
13) Acrolein	4.044	56	8077	6.598	ug/l	95
15) Acrylonitrile	5.554	53	6310	0.620	ug/l #	28
16) Acetone	4.291	43	8240	0.690	ug/l	99
17) Carbon Disulfide	4.527	76	36034	1.211	ug/l	97
18) Methyl Acetate	4.875	43	13509	0.354	ug/l #	56
21) trans-1,2-Dichloroethene	5.602	96	6539	0.478	ug/l	85
23) Vinyl Acetate	6.447	43	14284	0.315	ug/l	99
25) 2-Butanone	7.354	43	28235	1.746	ug/l	92
27) cis-1,2-Dichloroethene	7.327	96	3558	0.211	ug/l	42
28) Bromochloromethane	7.657	49	3529	0.232	ug/l #	9
29) Tetrahydrofuran	7.705	42	10985	1.111	ug/l #	46
31) Cyclohexane	8.088	56	43323	1.445	ug/l #	48
36) 1,1-Dichloropropene	8.228	75	9423	0.437	ug/l #	79
37) Ethyl Acetate	7.415	43	6087	0.205	ug/l #	81
38) Carbon Tetrachloride	8.088	117	148834	7.128	ug/l #	16
39) Methylcyclohexane	9.459	83	8377	0.315	ug/l	88
41) Methacrylonitrile	7.641	41	4029	0.263	ug/l #	82
44) Trichloroethene	9.217	130	6917	0.434	ug/l	85
46) Dibromomethane	9.585	93	3503	0.295	ug/l	90
48) Methyl methacrylate	9.558	41	6305	0.287	ug/l	93
49) 1,4-Dioxane	9.572	88	3546	8.991	ug/l #	59
51) 4-Methyl-2-Pentanone	10.336	43	52212	1.715	ug/l	92
52) Toluene	10.505	92	11382	0.276	ug/l	92
53) t-1,3-Dichloropropene	10.722	75	5294	0.228	ug/l	97
55) 1,1,2-Trichloroethane	10.899	97	3868	0.233	ug/l	95
56) Ethyl methacrylate	10.765	69	10211	0.369	ug/l	88
57) 1,3-Dichloropropane	11.047	76	5968	0.204	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.044	63	2599	0.396	ug/l #	75
59) 2-Hexanone	11.090	43	116270	5.118	ug/l	90

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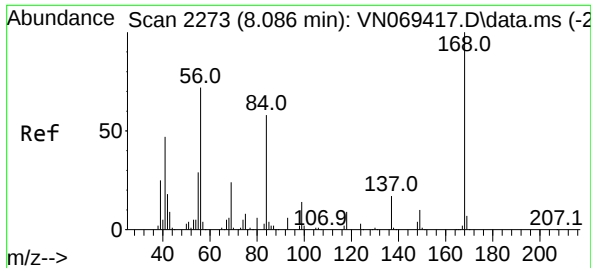
Instrument :
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Quant Time: Dec 03 07:51:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 07:46:09 2021
 Response via : Initial Calibration

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

61) 1,2-Dibromoethane	11.350	107	4173	0.247	ug/l	94
64) Tetrachloroethene	10.980	164	7288	0.465	ug/l	93
65) Chlorobenzene	11.771	112	21296	0.444	ug/l	98
67) Ethyl Benzene	11.846	91	31031	0.350	ug/l	95
68) m/p-Xylenes	11.958	106	24502	0.754	ug/l	92
69) o-Xylene	12.283	106	9136	0.282	ug/l	93
70) Styrene	12.294	104	24627	0.473	ug/l	96
71) Bromoform	12.463	173	3453	0.287	ug/l #	29
73) Isopropylbenzene	12.581	105	26783	0.337	ug/l	97
74) N-amyl acetate	12.396	43	54364	1.600	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.830	83	14450	0.537	ug/l #	97
76) 1,2,3-Trichloropropane	12.734	75	662559	26.392	ug/l #	1
77) Bromobenzene	12.862	156	13542	0.743	ug/l	84
78) n-propylbenzene	12.924	91	57750	0.646	ug/l	96
79) 2-Chlorotoluene	13.010	91	27111	0.489	ug/l	100
80) 1,3,5-Trimethylbenzene	13.061	105	26863	0.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.734	75	662559	93.912	ug/l #	5
82) 4-Chlorotoluene	13.106	91	47973	0.908	ug/l	97
83) tert-Butylbenzene	13.326	119	18581	0.330	ug/l	98
84) 1,2,4-Trimethylbenzene	13.369	105	37551	0.606	ug/l	99
85) sec-Butylbenzene	13.503	105	38242	0.488	ug/l	98
86) p-Isopropyltoluene	13.619	119	38341	0.618	ug/l	95
87) 1,3-Dichlorobenzene	13.619	146	37389	1.194	ug/l	98
88) 1,4-Dichlorobenzene	13.619	146	37389	1.219	ug/l	98
89) n-Butylbenzene	13.946	91	73703	1.432	ug/l	97
90) Hexachloroethane	14.209	117	2073	0.201	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	39465	1.322	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.606	75	9829	2.225	ug/l	77
93) 1,2,4-Trichlorobenzene	15.265	180	71256	5.446	ug/l	98
94) Hexachlorobutadiene	15.373	225	10133	1.302	ug/l	96
95) Naphthalene	15.509	128	359874	10.081	ug/l	100
96) 1,2,3-Trichlorobenzene	15.703	180	86646	6.861	ug/l	99

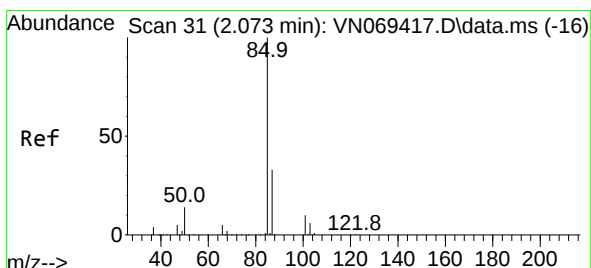
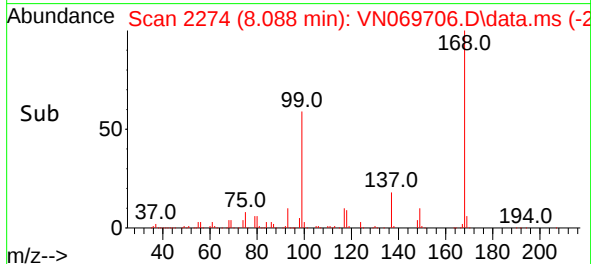
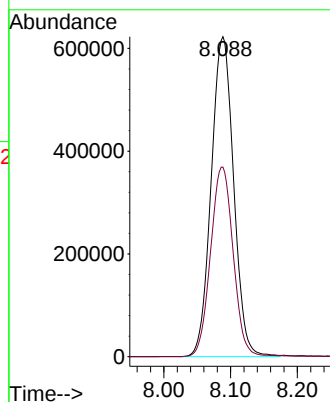
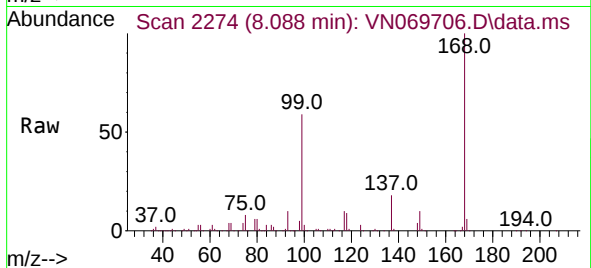
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

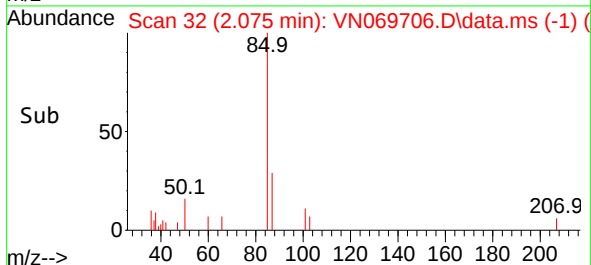
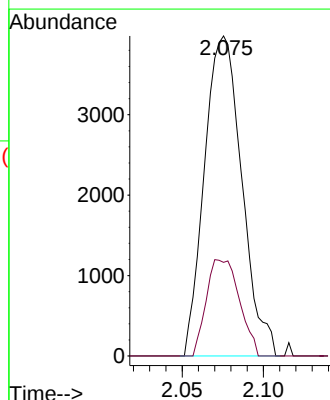
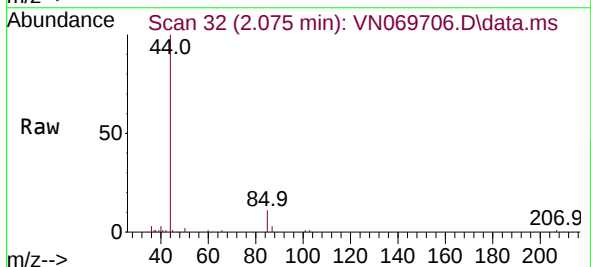
Instrument :
MSVOA_N
ClientSampleId :
IBLK

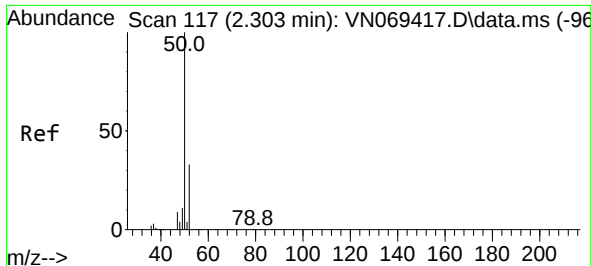
Tgt Ion:168 Resp: 1455079
Ion Ratio Lower Upper
168 100
99 59.2 41.3 61.9



#2
Dichlorodifluoromethane
Concen: 0.397 ug/l
RT: 2.075 min Scan# 32
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 85 Resp: 6370
Ion Ratio Lower Upper
85 100
87 29.3 16.3 48.9

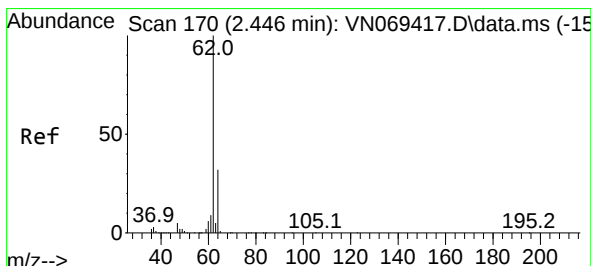
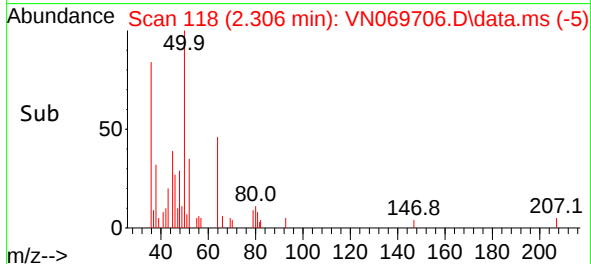
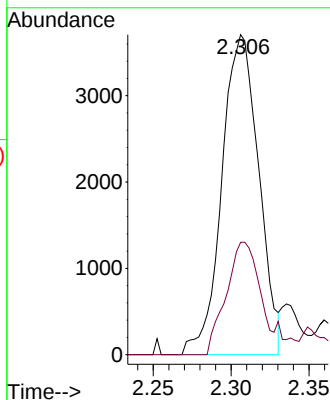
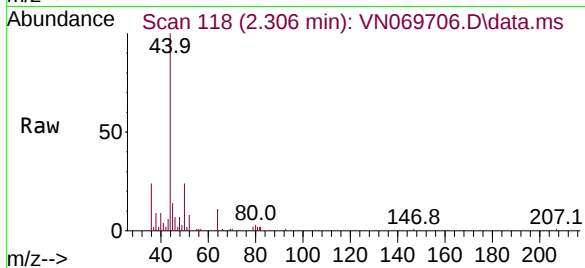




#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.306 min Scan# 117
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

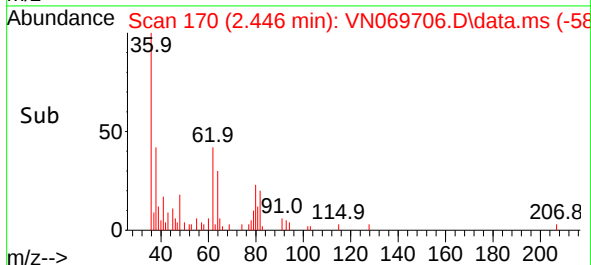
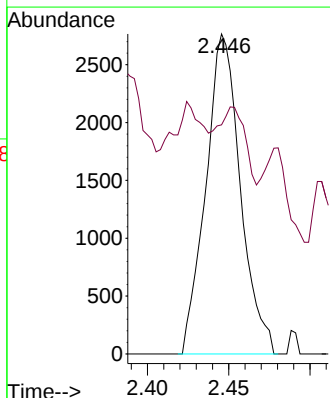
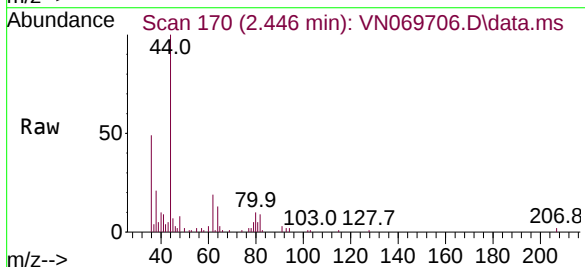
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MSVOA_N
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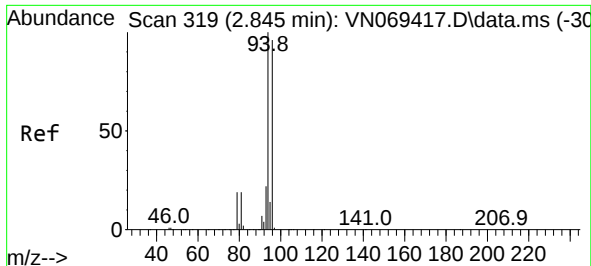
Tgt Ion: 50 Resp: 6107
Ion Ratio Lower Upper
50 100
52 35.1 25.4 38.0



#4
Vinyl Chloride
Concen: 0.220 ug/l
RT: 2.446 min Scan# 170
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 62 Resp: 4087
Ion Ratio Lower Upper
62 100
64 7.2 25.8 38.6#

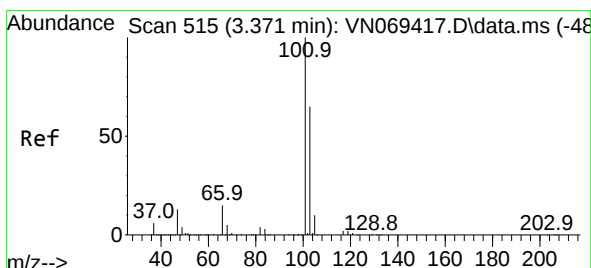
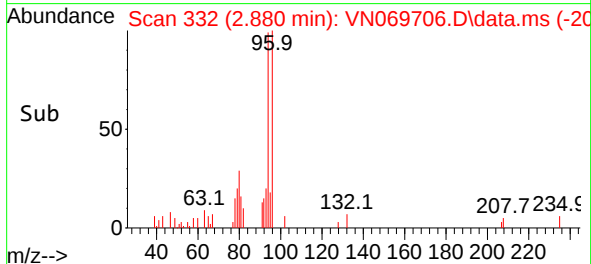
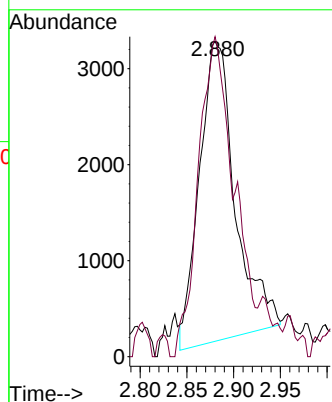
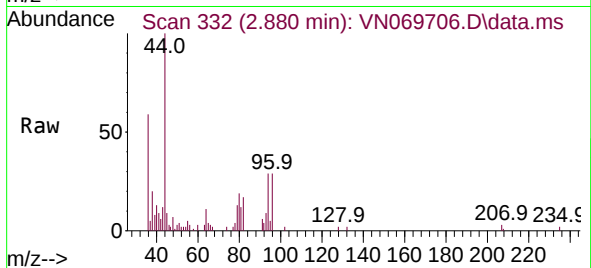




#5
Bromomethane
Concen: 0.703 ug/l
RT: 2.880 min Scan# 319
Delta R.T. 0.043 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

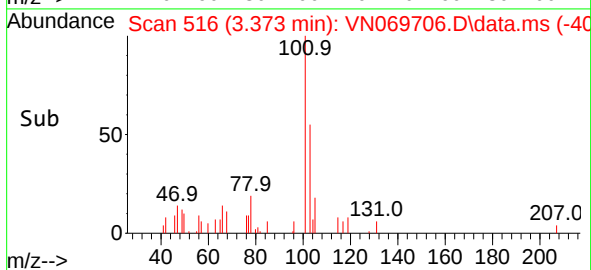
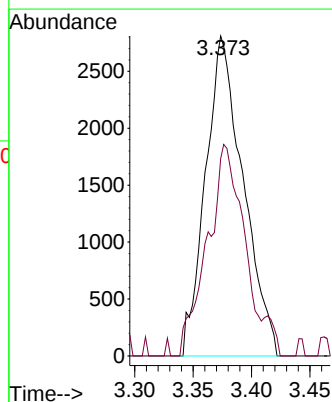
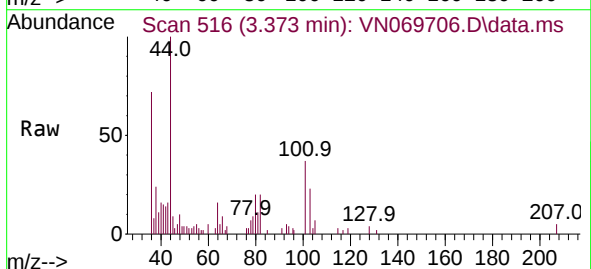
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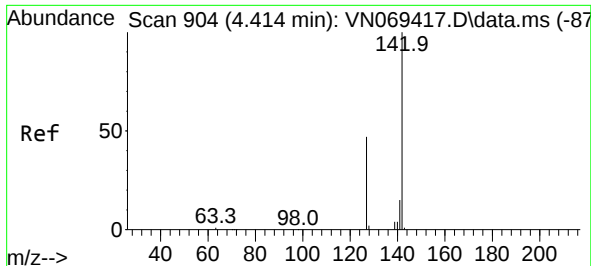
Tgt Ion: 94 Resp: 8322
Ion Ratio Lower Upper
94 100
96 103.0 73.8 110.8



#7
Trichlorofluoromethane
Concen: 0.226 ug/l
RT: 3.373 min Scan# 516
Delta R.T. 0.006 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 101 Resp: 6295
Ion Ratio Lower Upper
101 100
103 61.7 50.1 75.1

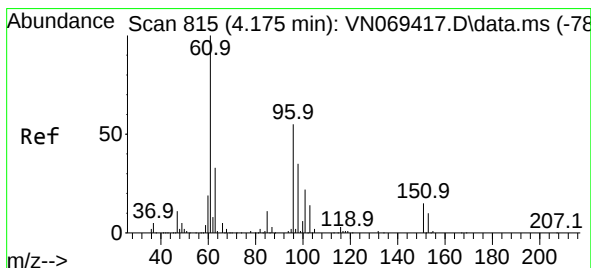
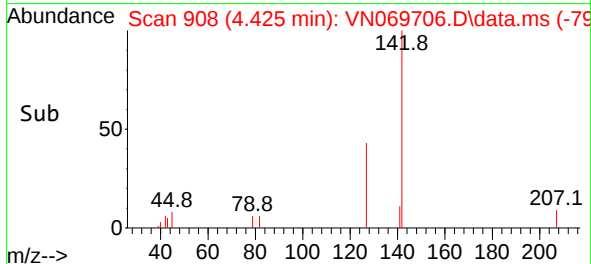
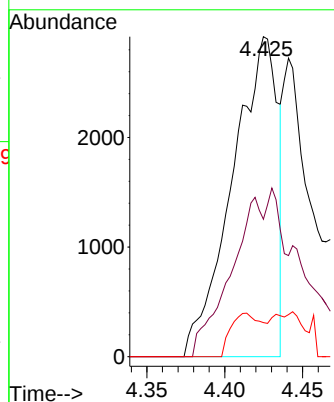
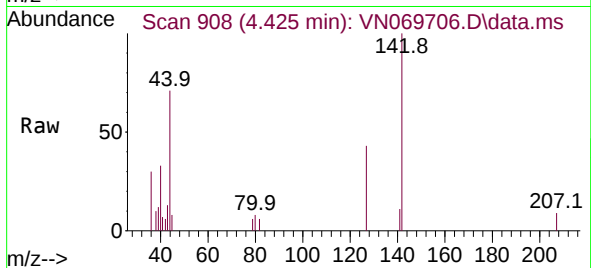




#10
Methyl Iodide
Concen: 0.340 ug/l
RT: 4.425 min Scan# 904
Delta R.T. 0.011 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

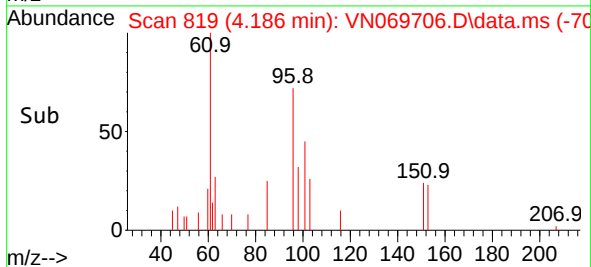
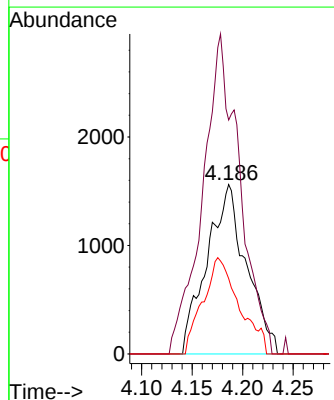
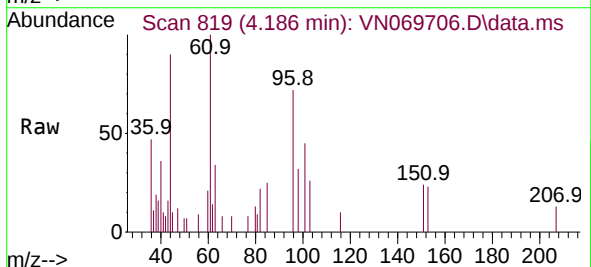
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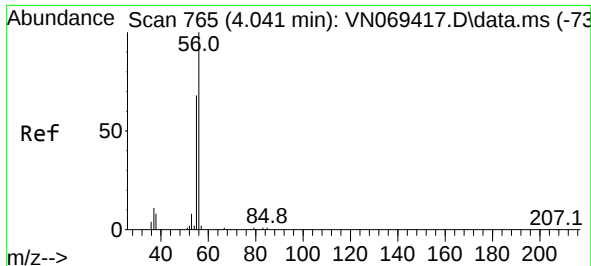
Tgt Ion:142 Resp: 5898
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.0#
141 0.9 11.6 17.4#



#12
1,1-Dichloroethene
Concen: 0.346 ug/l
RT: 4.186 min Scan# 819
Delta R.T. 0.011 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 96 Resp: 4246
Ion Ratio Lower Upper
96 100
61 138.1 131.0 196.6
98 44.4 52.4 78.6#

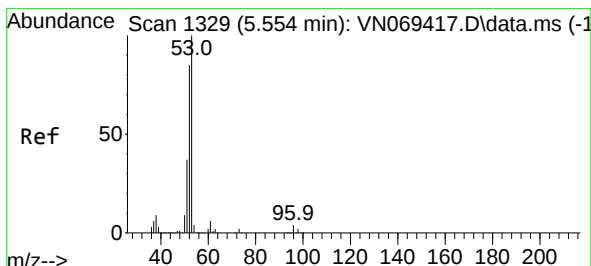
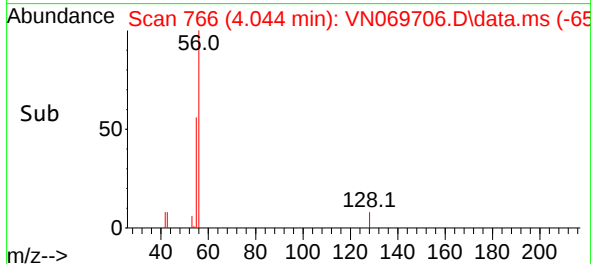
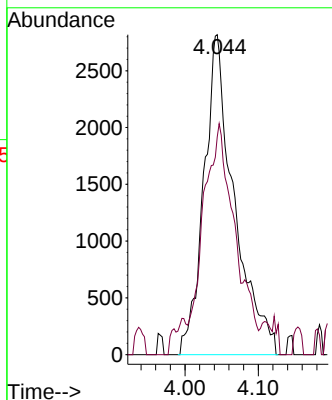
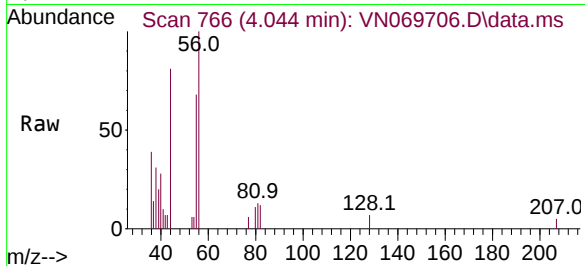




#13
Acrolein
Concen: 6.598 ug/l
RT: 4.044 min Scan# 765
Delta R.T. 0.006 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

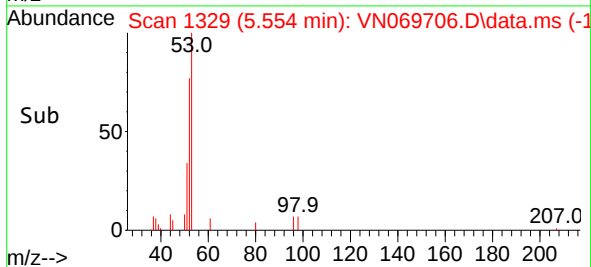
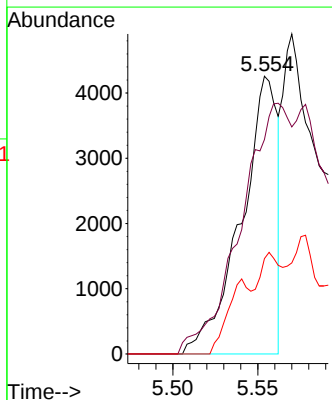
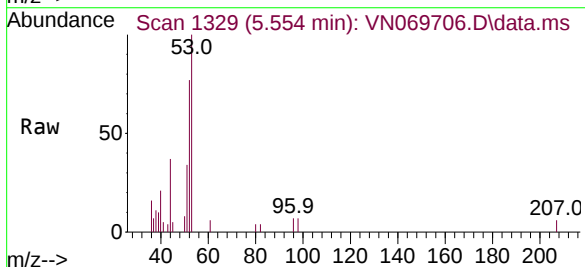
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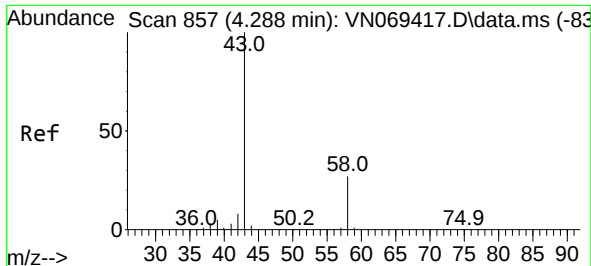
Tgt Ion: 56 Resp: 8077
Ion Ratio Lower Upper
56 100
55 66.3 56.6 85.0



#15
Acrylonitrile
Concen: 0.620 ug/l
RT: 5.554 min Scan# 1329
Delta R.T. -0.002 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 53 Resp: 6310
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 20.9 29.6 44.4#





#16

Acetone

Concen: 0.690 ug/l

RT: 4.291 min Scan# 8

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

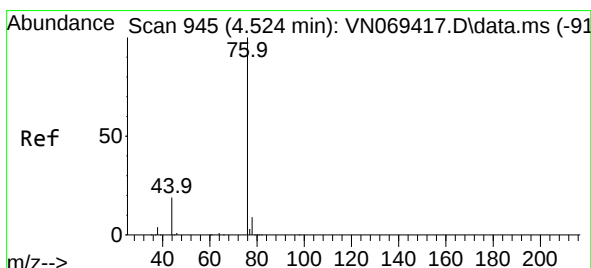
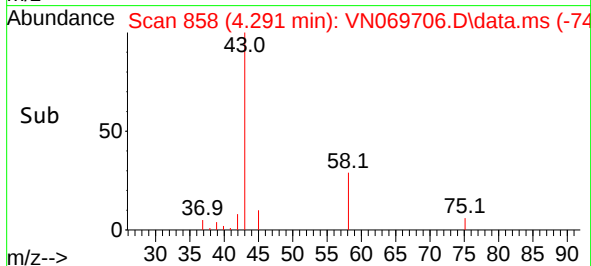
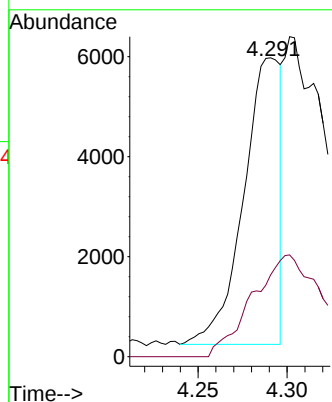
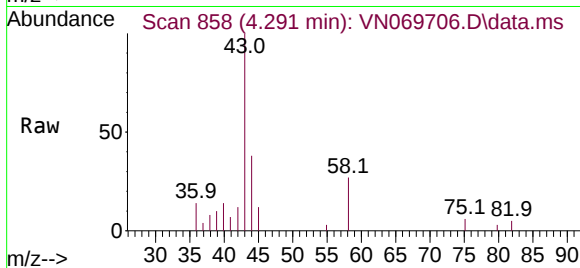
IBLK

Tgt Ion: 43 Resp: 8240

Ion Ratio Lower Upper

43 100

58 28.5 23.1 34.7



#17

Carbon Disulfide

Concen: 1.211 ug/l

RT: 4.527 min Scan# 946

Delta R.T. 0.003 min

Lab File: VN069706.D

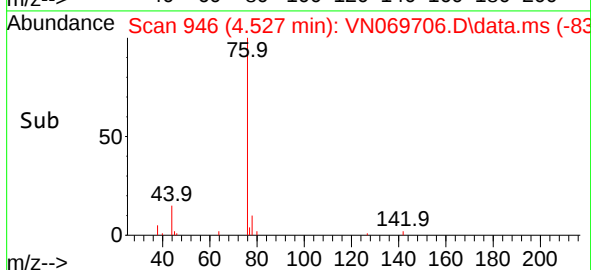
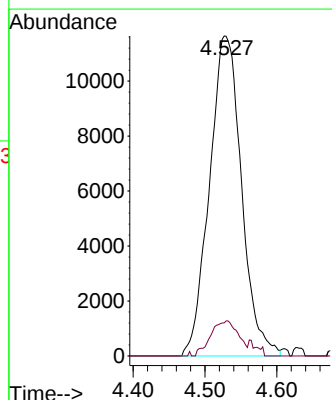
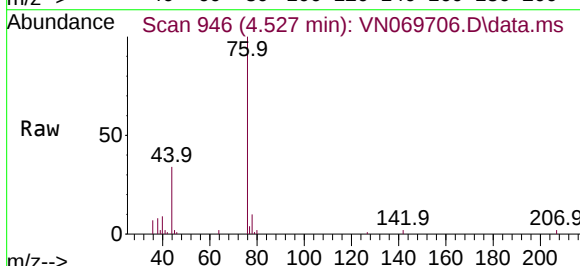
Acq: 2 Dec 2021 20:12

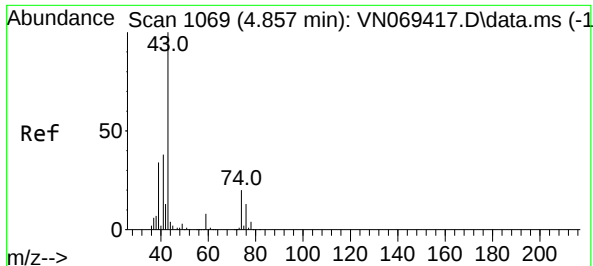
Tgt Ion: 76 Resp: 36034

Ion Ratio Lower Upper

76 100

78 10.4 7.5 11.3

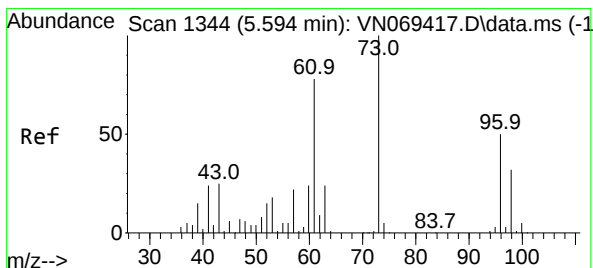
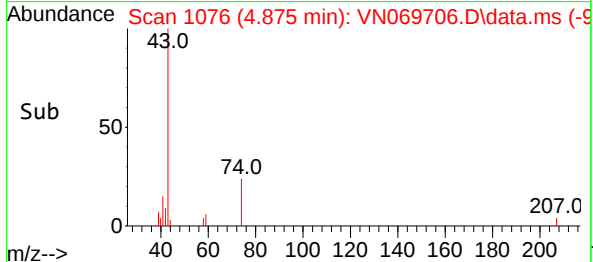
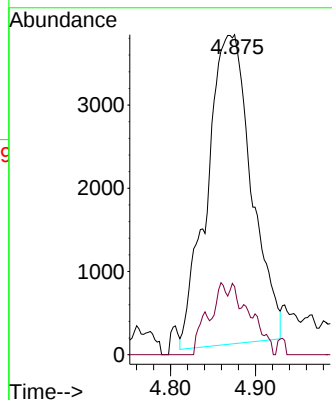
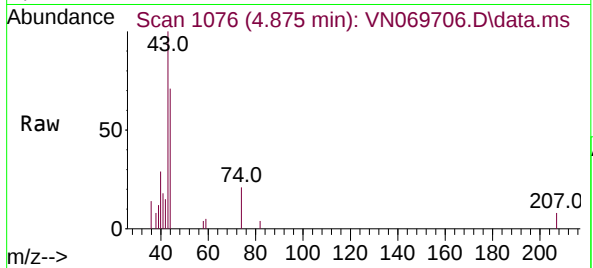




#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 4.875 min Scan# 1069
Delta R.T. 0.019 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

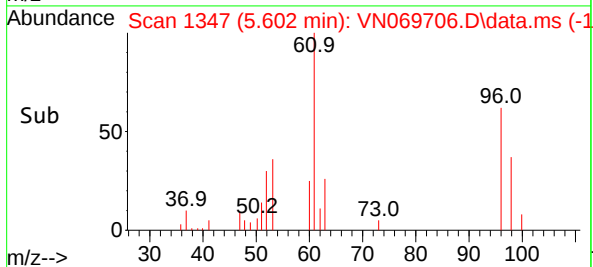
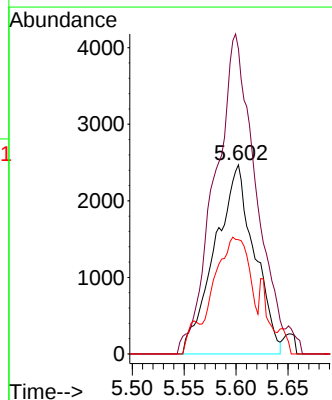
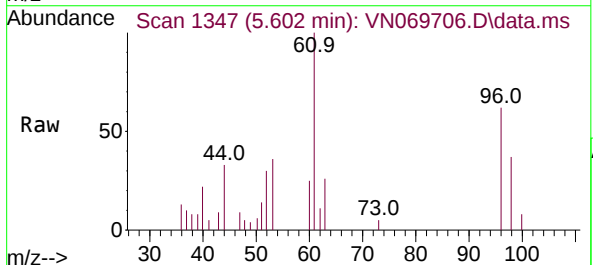
Instrument :
MSVOA_N
ClientSampleId :
IBLK

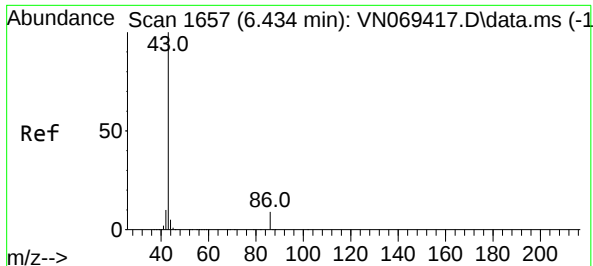
Tgt Ion: 43 Resp: 13509
Ion Ratio Lower Upper
43 100
74 2.5 19.4 29.2#



#21
trans-1,2-Dichloroethene
Concen: 0.478 ug/l
RT: 5.602 min Scan# 1347
Delta R.T. 0.008 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 96 Resp: 6539
Ion Ratio Lower Upper
96 100
61 155.0 105.8 158.6
98 60.4 52.0 78.0





#23

Vinyl Acetate

Concen: 0.315 ug/l

RT: 6.447 min Scan# 1

Delta R.T. 0.011 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

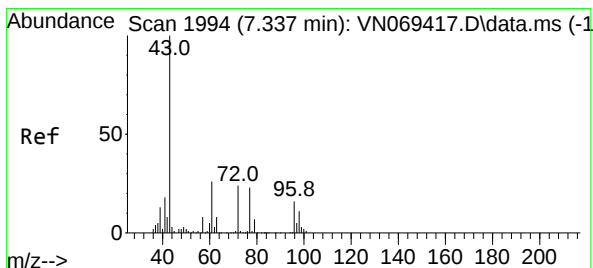
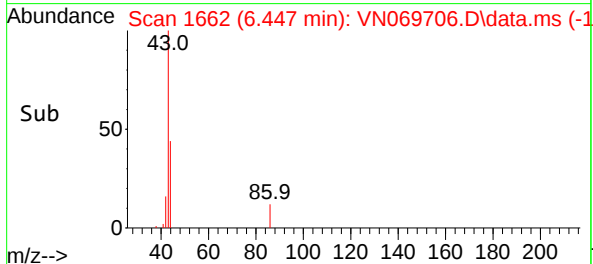
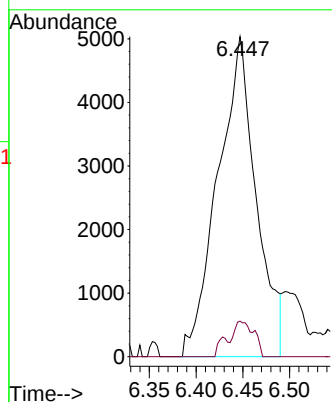
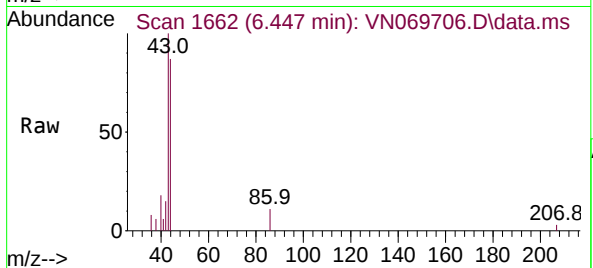
IBLK

Tgt Ion: 43 Resp: 14284

Ion Ratio Lower Upper

43 100

86 11.1 8.5 12.7



#25

2-Butanone

Concen: 1.746 ug/l

RT: 7.354 min Scan# 2000

Delta R.T. 0.016 min

Lab File: VN069706.D

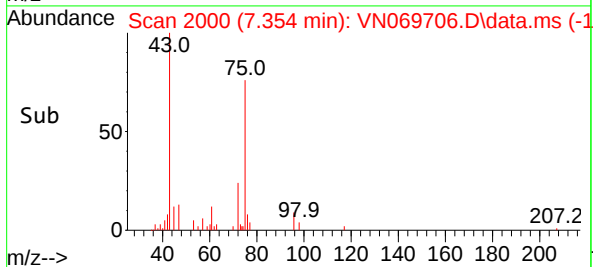
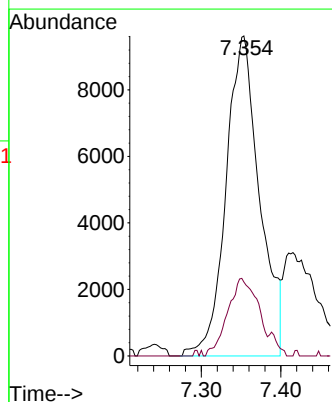
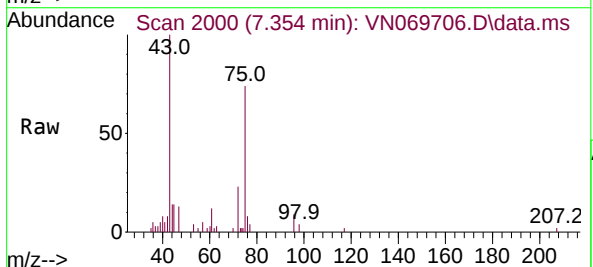
Acq: 2 Dec 2021 20:12

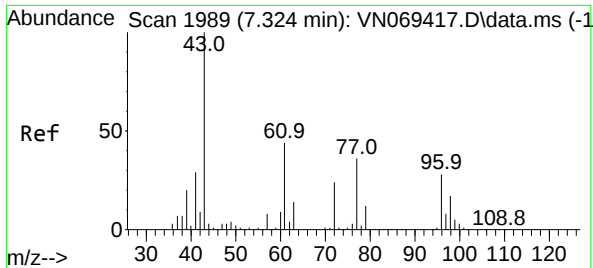
Tgt Ion: 43 Resp: 28235

Ion Ratio Lower Upper

43 100

72 23.1 21.7 32.5





#27

cis-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 7.327 min Scan# 1989

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

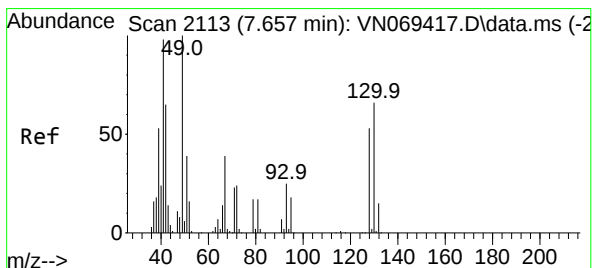
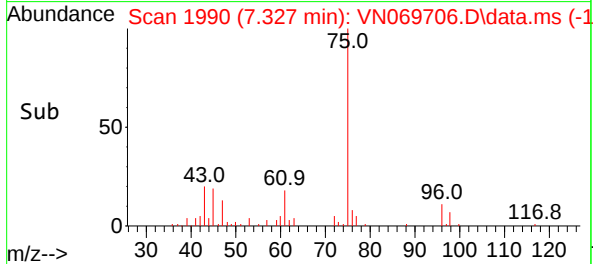
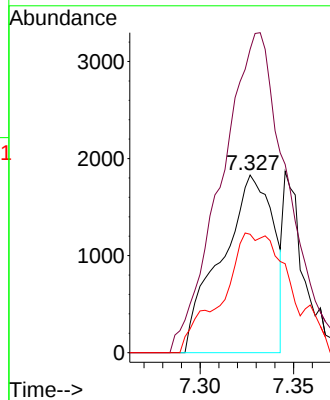
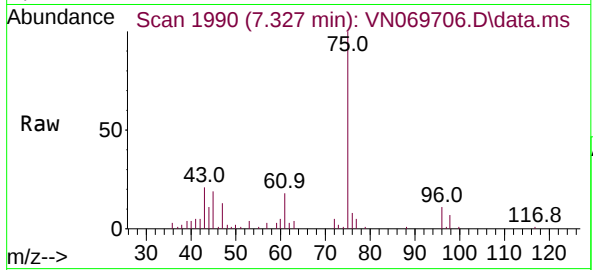
Tgt Ion: 96 Resp: 3558

Ion Ratio Lower Upper

96 100

61 227.9 0.0 275.0

98 80.8 0.0 129.6



#28

Bromochloromethane

Concen: 0.232 ug/l

RT: 7.657 min Scan# 2113

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

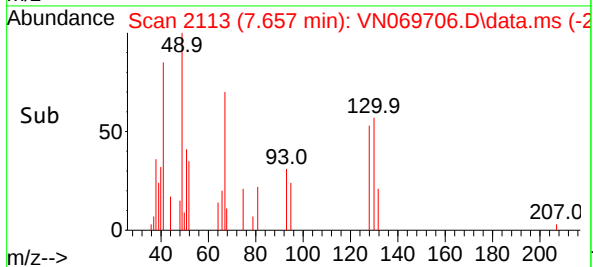
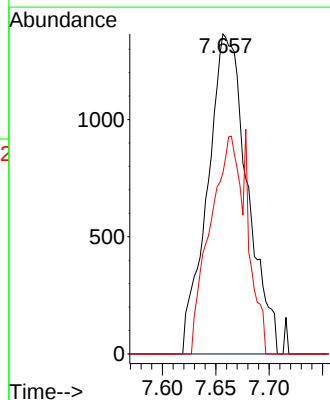
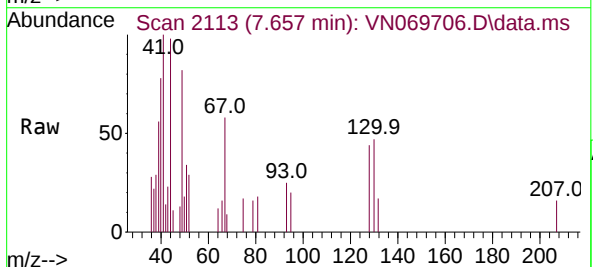
Tgt Ion: 49 Resp: 3529

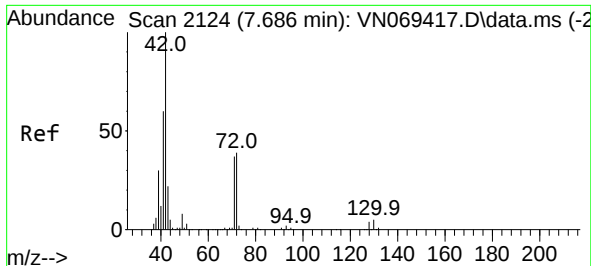
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

130 0.0 67.8 101.8#





#29

Tetrahydrofuran

Concen: 1.111 ug/l

RT: 7.705 min Scan# 21

Delta R.T. 0.019 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

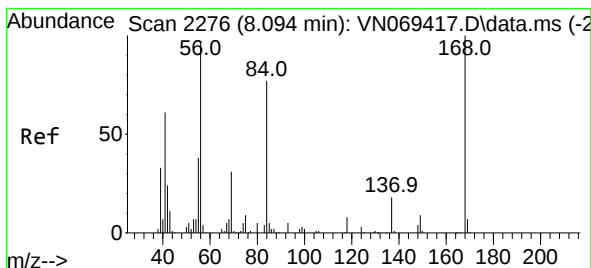
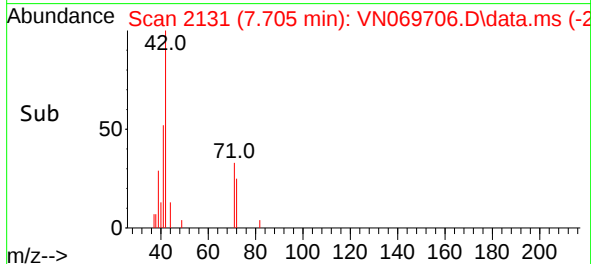
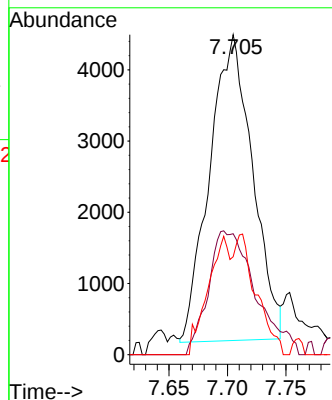
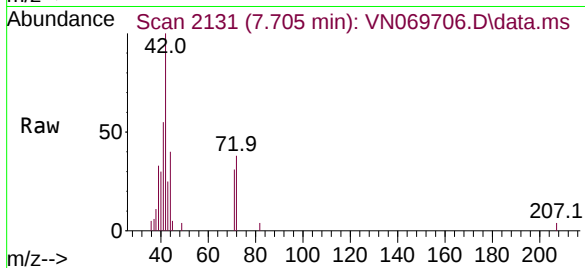
Tgt Ion: 42 Resp: 10985

Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 19.1 34.7 52.1#



#31

Cyclohexane

Concen: 1.445 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.005 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

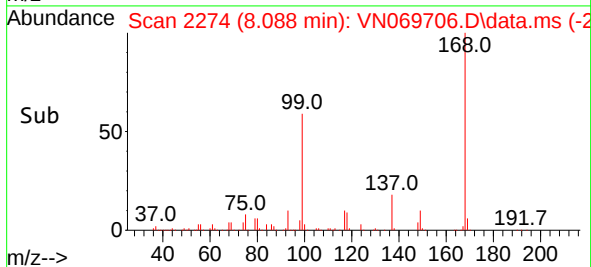
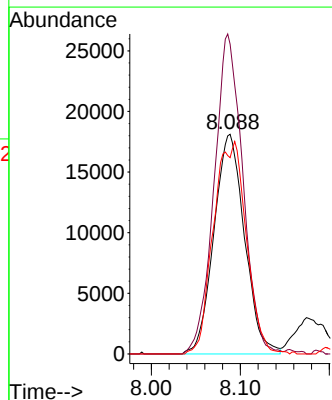
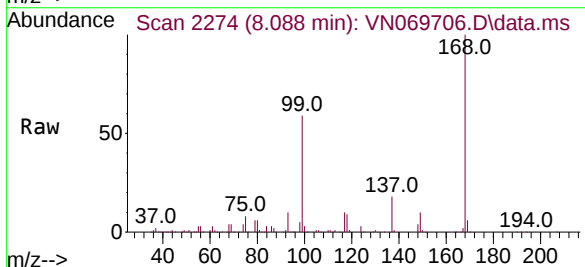
Tgt Ion: 56 Resp: 43323

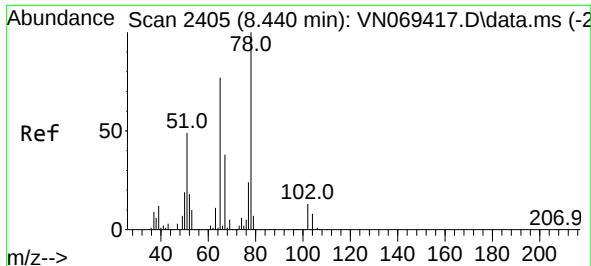
Ion Ratio Lower Upper

56 100

69 141.0 27.1 40.7#

84 89.4 73.4 110.0

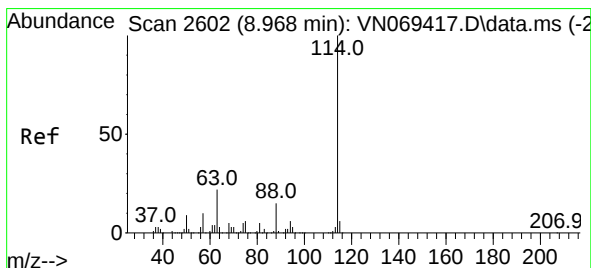
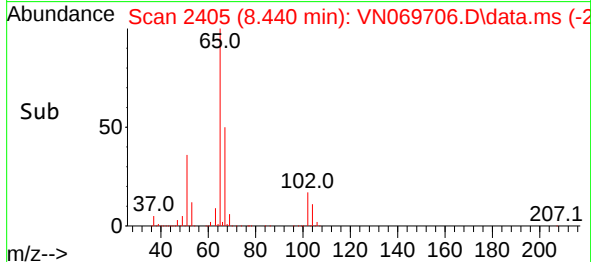
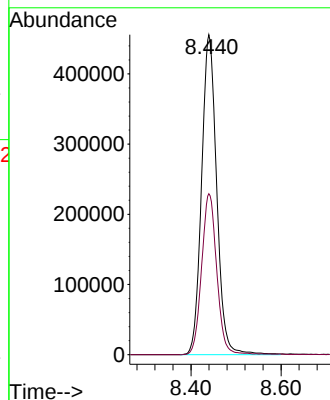
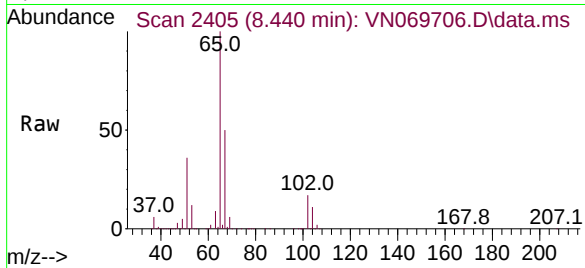




#33
 1,2-Dichloroethane-d4
 Concen: 48.489 ug/l
 RT: 8.440 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

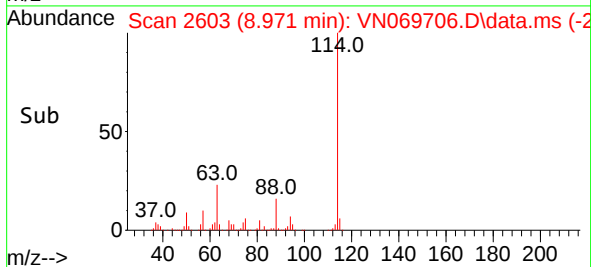
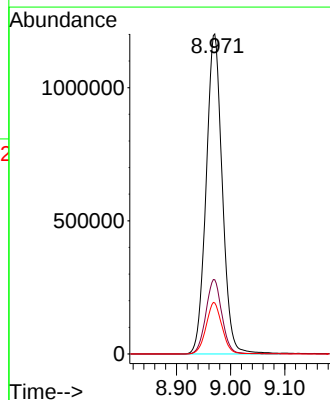
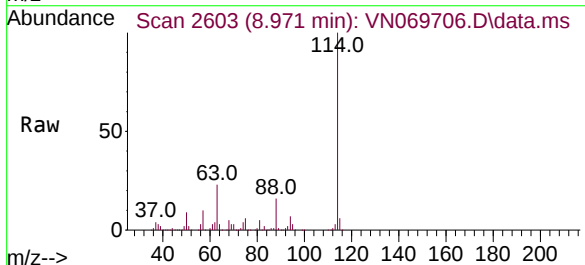
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

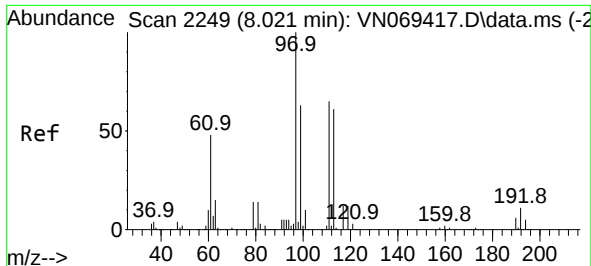
Tgt Ion: 65 Resp: 1062046
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

Tgt Ion: 114 Resp: 2485922
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 37.8
 88 16.0 0.0 27.4



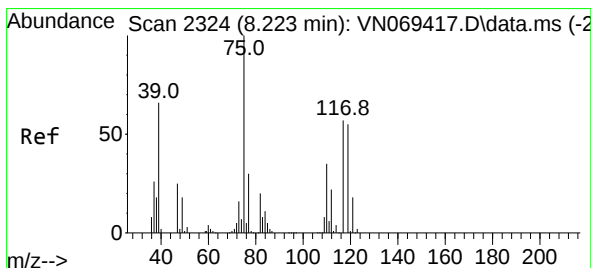
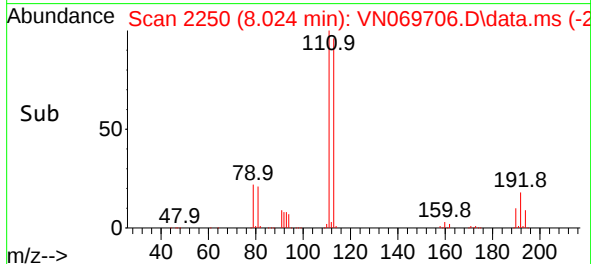
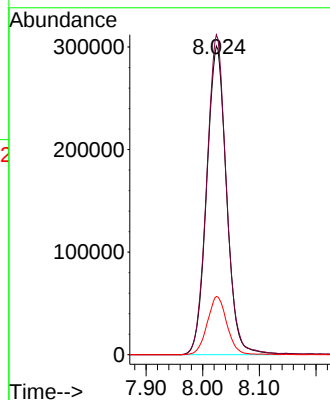
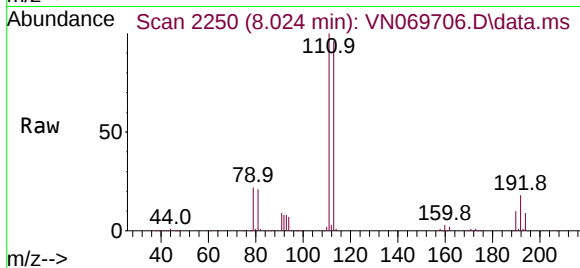


#35
 Dibromofluoromethane
 Concen: 47.741 ug/l
 RT: 8.024 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:113 Resp: 733307

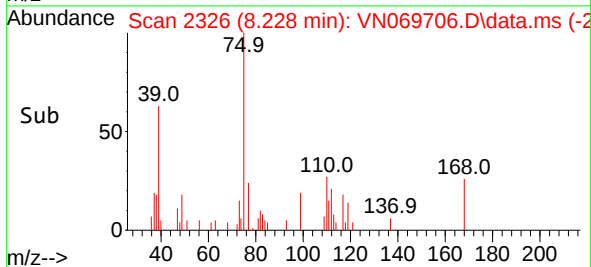
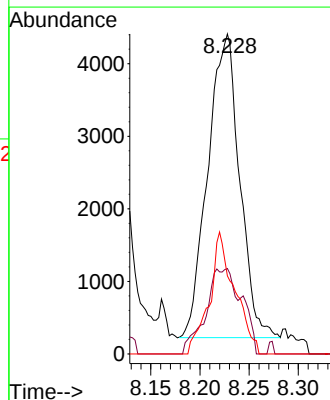
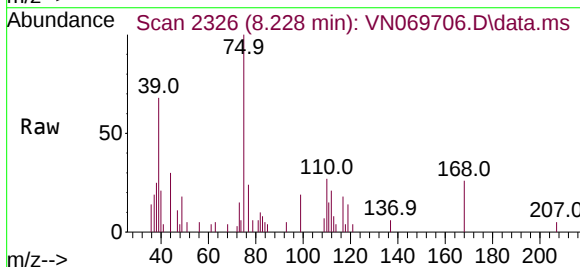
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	18.6	16.9	25.3

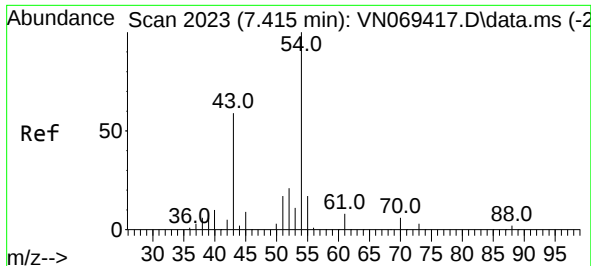


#36
 1,1-Dichloropropene
 Concen: 0.437 ug/l
 RT: 8.228 min Scan# 2326
 Delta R.T. 0.006 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

Tgt Ion: 75 Resp: 9423

Ion	Ratio	Lower	Upper
75	100		
110	15.5	18.4	55.2#
77	31.9	24.4	36.6





#37

Ethyl Acetate

Concen: 0.205 ug/l

RT: 7.415 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

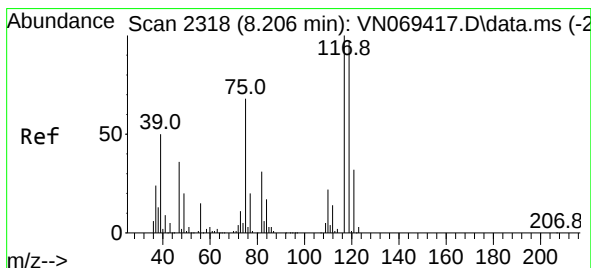
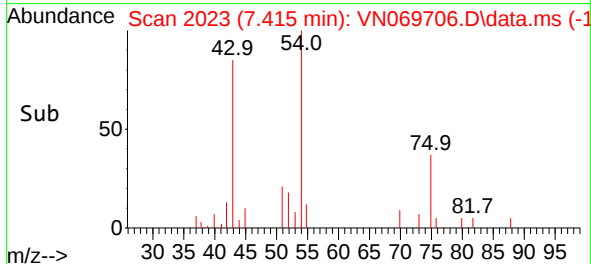
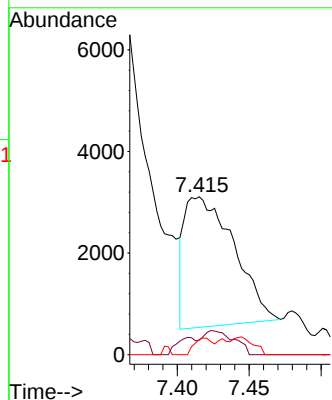
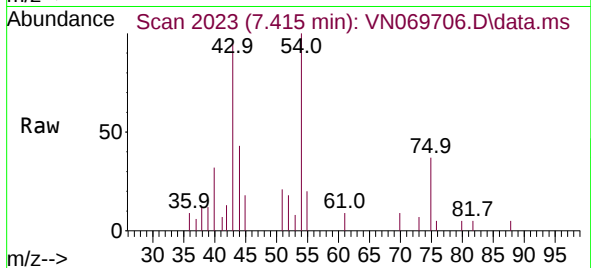
Tgt Ion: 43 Resp: 6087

Ion Ratio Lower Upper

43 100

61 5.0 11.5 17.3#

70 4.8 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 7.128 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.118 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

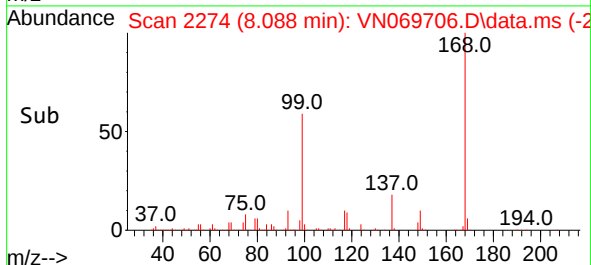
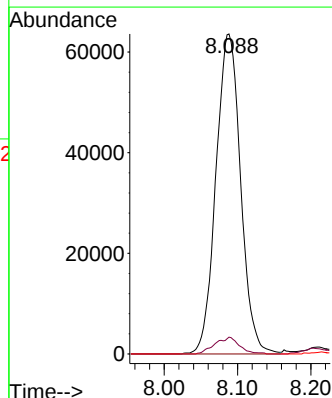
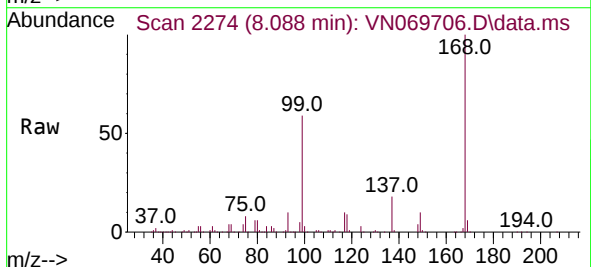
Tgt Ion: 117 Resp: 148834

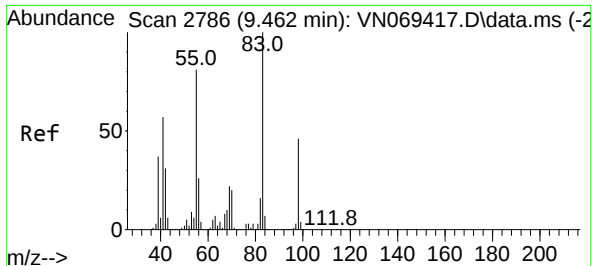
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.315 ug/l

RT: 9.459 min Scan# 2107

Delta R.T. -0.002 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

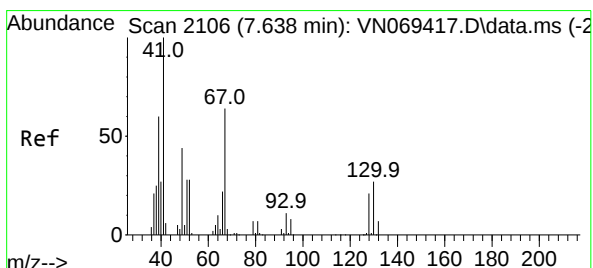
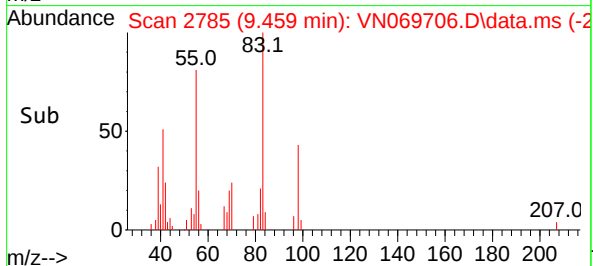
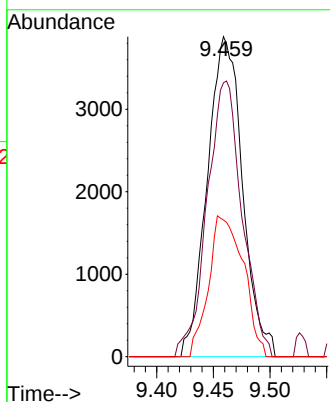
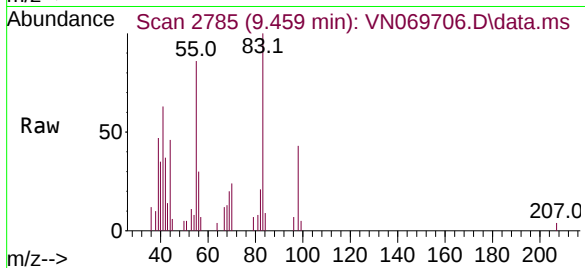
Tgt Ion: 83 Resp: 8377

Ion Ratio Lower Upper

83 100

55 85.6 58.1 87.1

98 42.7 38.4 57.6



#41

Methacrylonitrile

Concen: 0.263 ug/l

RT: 7.641 min Scan# 2107

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Tgt Ion: 41 Resp: 4029

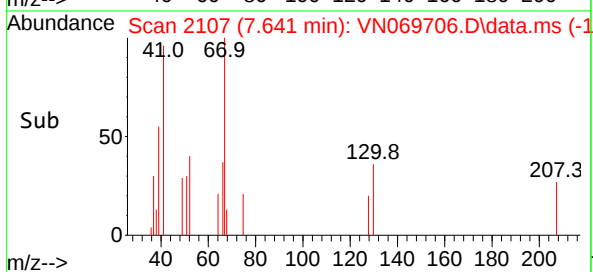
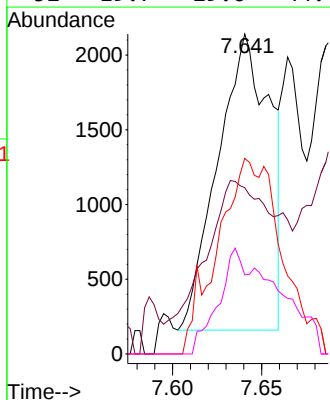
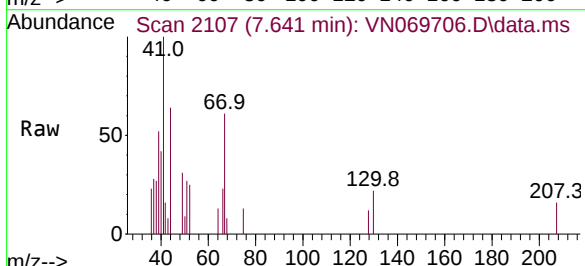
Ion Ratio Lower Upper

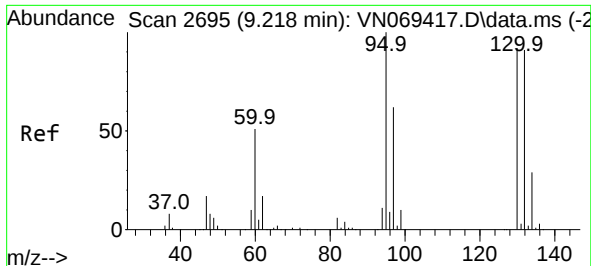
41 100

39 81.9 48.1 72.1#

67 81.2 68.3 102.5

52 19.7 29.6 44.4#

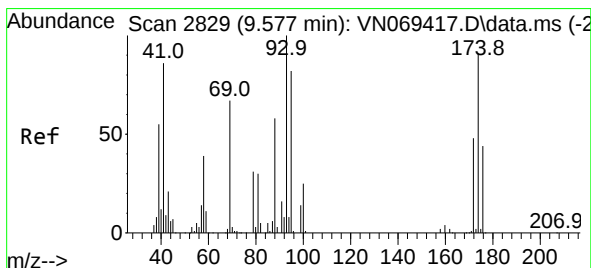
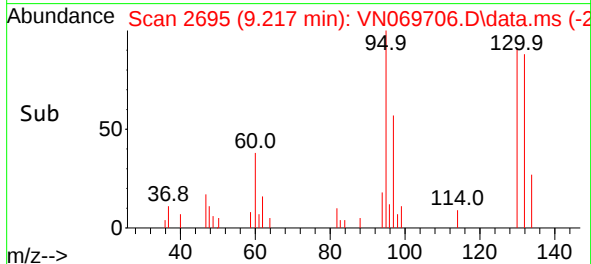
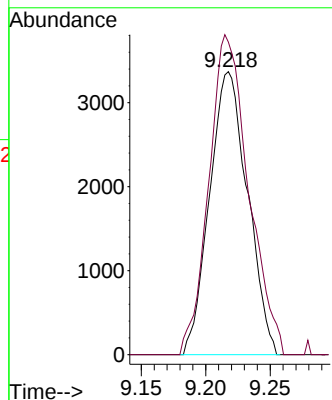
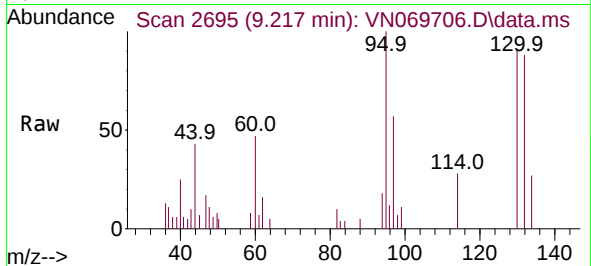




#44
Trichloroethene
Concen: 0.434 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

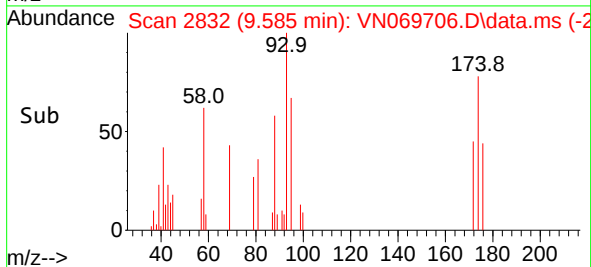
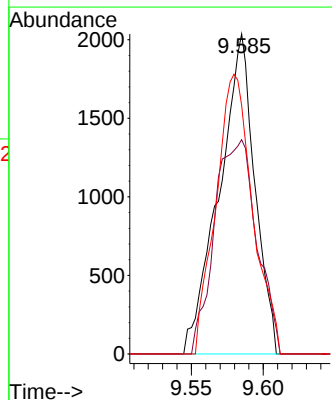
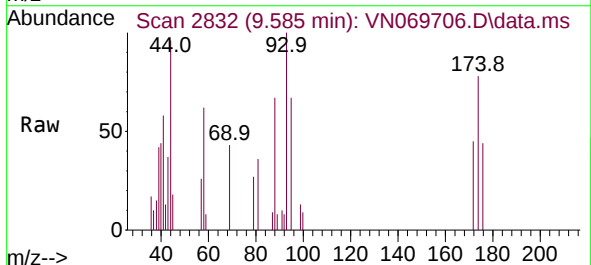
Instrument :
MSVOA_N
ClientSampleId :
IBLK

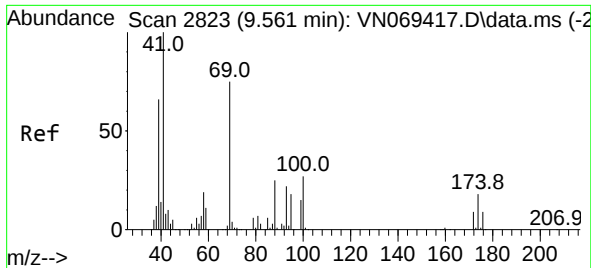
Tgt Ion:130 Resp: 6917
Ion Ratio Lower Upper
130 100
95 110.4 0.0 191.2



#46
Dibromomethane
Concen: 0.295 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.008 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 93 Resp: 3503
Ion Ratio Lower Upper
93 100
95 79.7 65.9 98.9
174 90.2 84.6 127.0

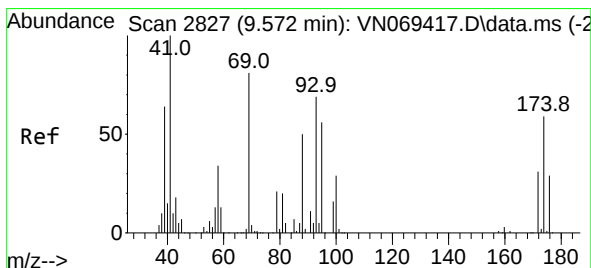
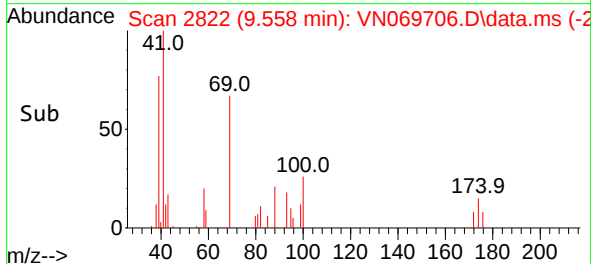
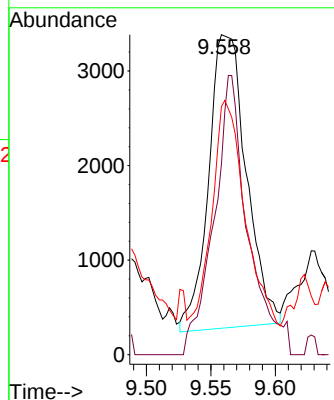
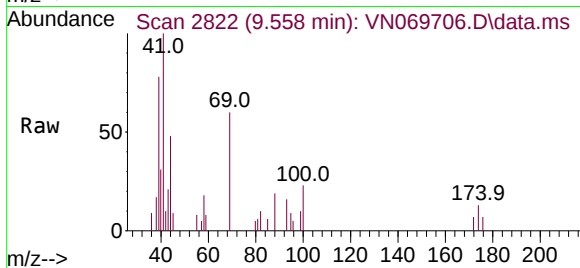




#48
Methyl methacrylate
Concen: 0.287 ug/l
RT: 9.558 min Scan# 21
Delta R.T. -0.002 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

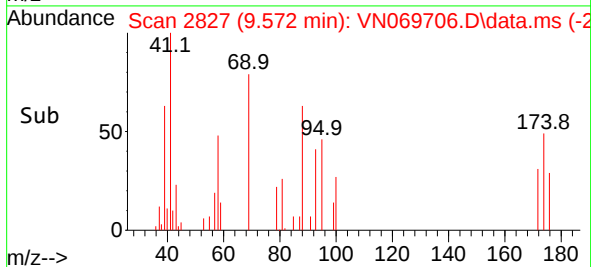
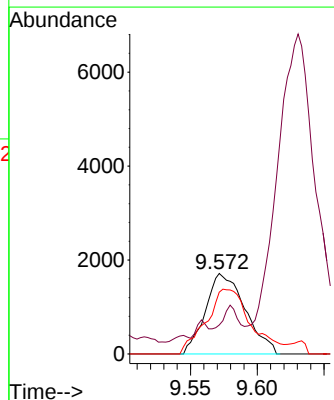
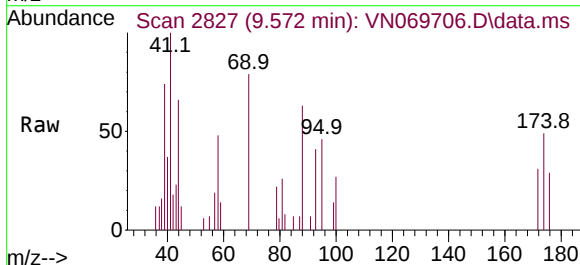
Instrument :
MSVOA_N
ClientSampleId :
IBLK

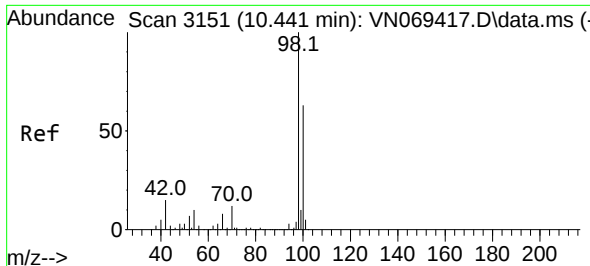
Tgt Ion: 41 Resp: 6305
Ion Ratio Lower Upper
41 100
69 85.5 72.4 108.6
39 65.9 58.4 87.6



#49
1,4-Dioxane
Concen: 8.991 ug/l
RT: 9.572 min Scan# 2827
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 88 Resp: 3546
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 90.2 50.6 75.8#

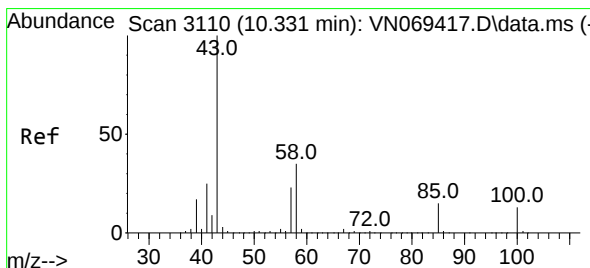
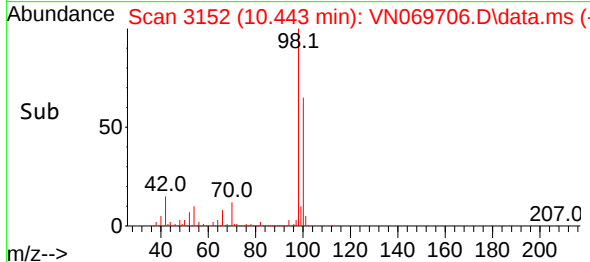
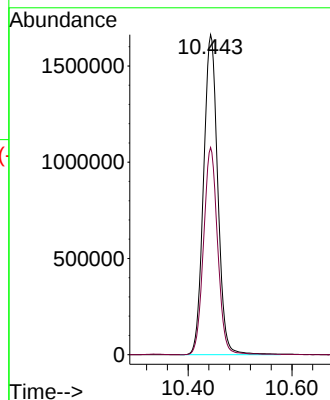
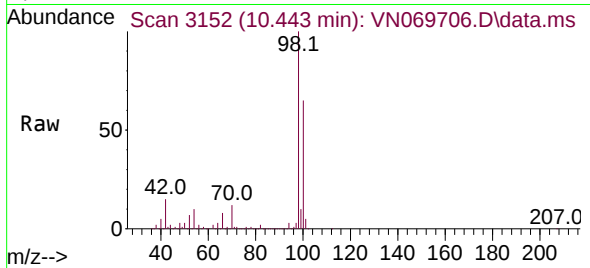




#50
Toluene-d8
Concen: 52.244 ug/l
RT: 10.443 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

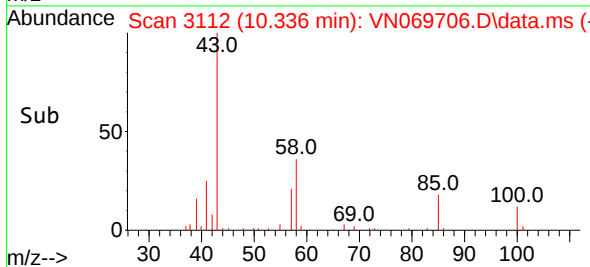
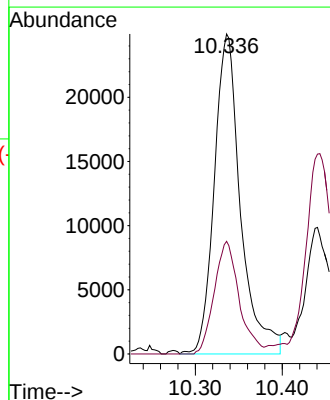
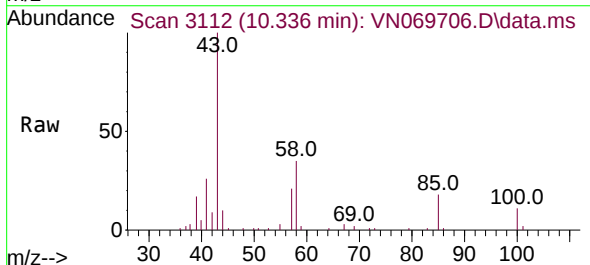
Instrument :
MSVOA_N
ClientSampleId :
IBLK

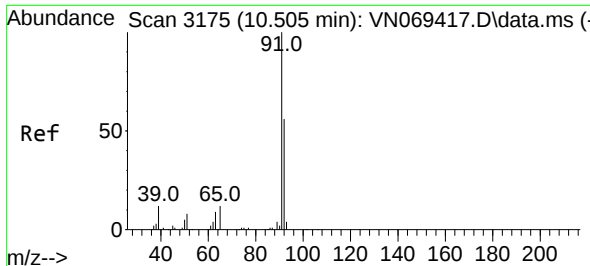
Tgt Ion: 98 Resp: 3152808
Ion Ratio Lower Upper
98 100
100 64.1 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.715 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 43 Resp: 52212
Ion Ratio Lower Upper
43 100
58 33.4 30.4 45.6

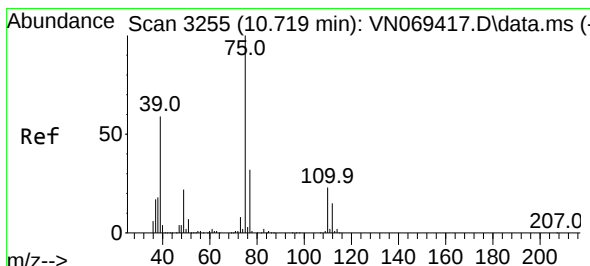
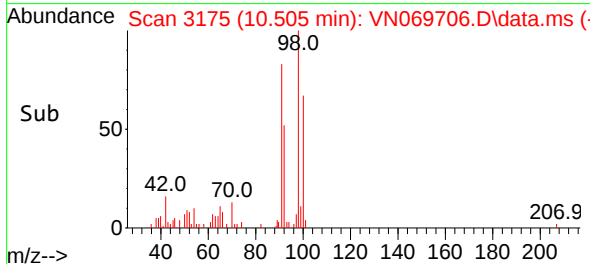
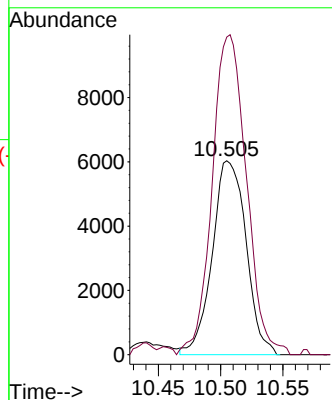
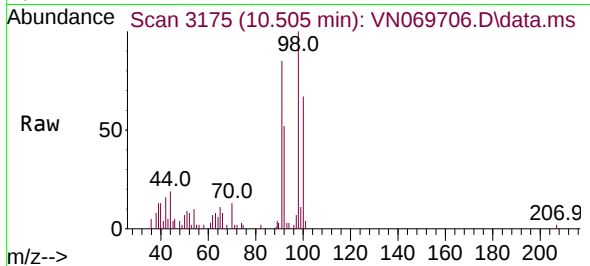




#52
Toluene
Concen: 0.276 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.002 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

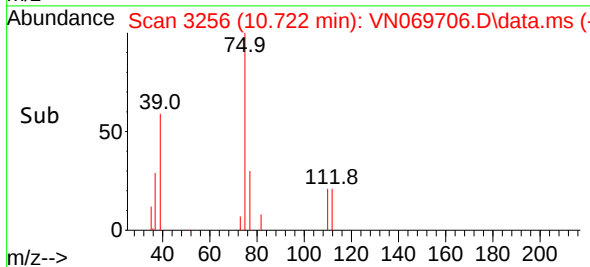
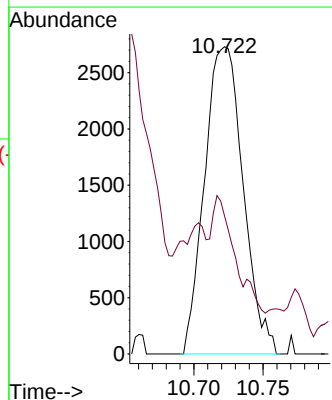
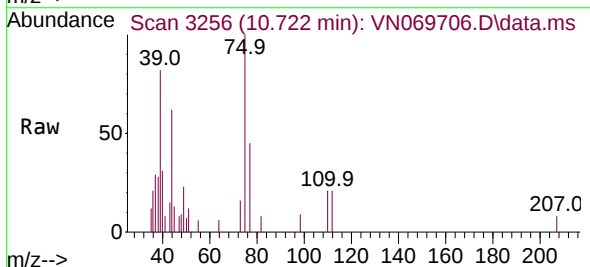
Instrument :
MSVOA_N
ClientSampleId :
IBLK

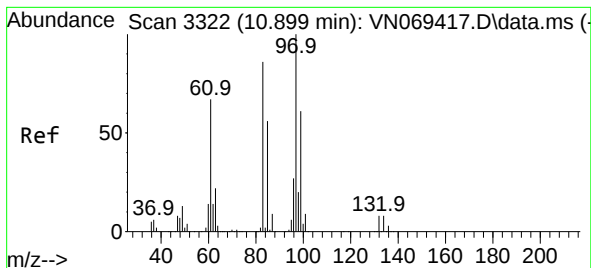
Tgt Ion: 92 Resp: 11382
Ion Ratio Lower Upper
92 100
91 166.9 142.0 213.0



#53
t-1,3-Dichloropropene
Concen: 0.228 ug/l
RT: 10.722 min Scan# 3256
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 75 Resp: 5294
Ion Ratio Lower Upper
75 100
77 30.5 25.6 38.4





#55

1,1,2-Trichloroethane

Concen: 0.233 ug/l

RT: 10.899 min Scan# 3322

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 97 Resp: 3868

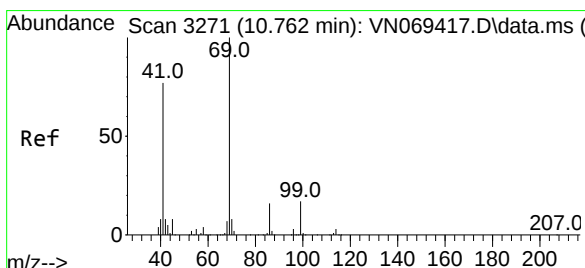
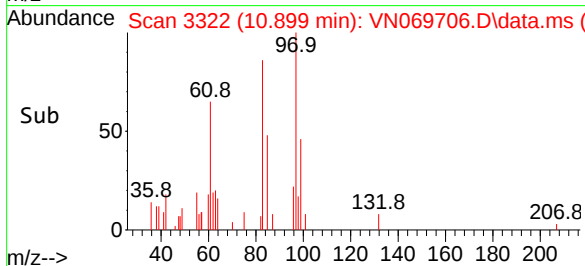
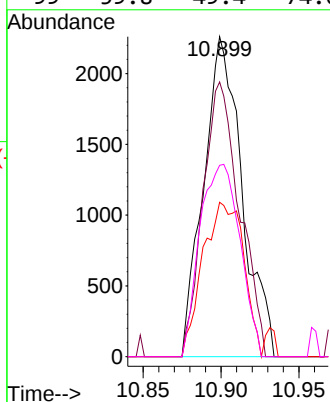
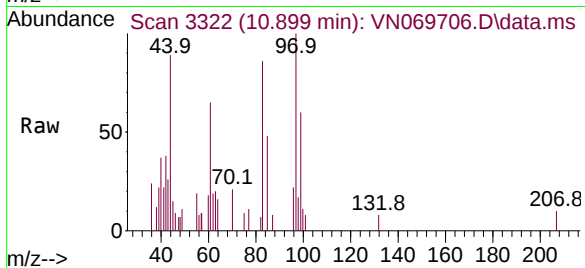
Ion Ratio Lower Upper

97 100

83 85.8 67.8 101.6

85 48.3 45.4 68.2

99 59.8 49.4 74.0



#56

Ethyl methacrylate

Concen: 0.369 ug/l

RT: 10.765 min Scan# 3272

Delta R.T. 0.003 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

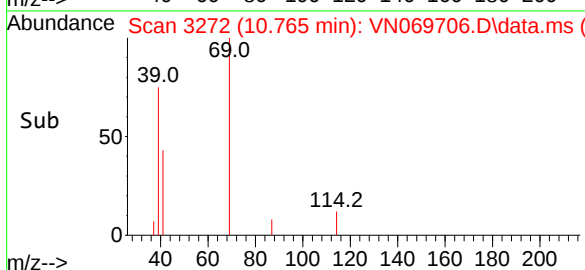
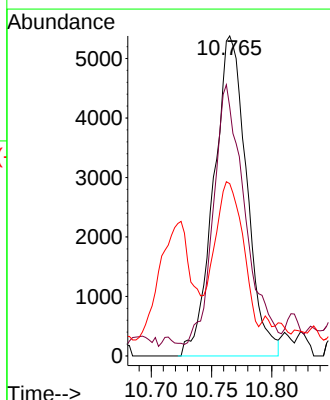
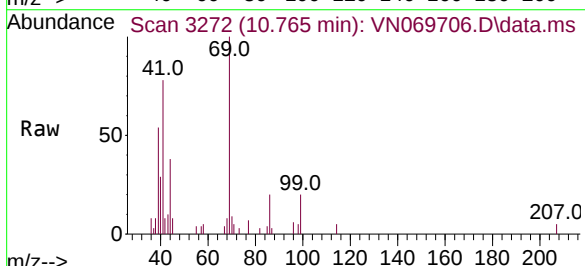
Tgt Ion: 69 Resp: 10211

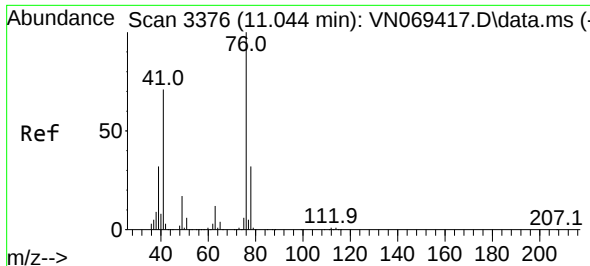
Ion Ratio Lower Upper

69 100

41 77.0 51.4 77.0

39 39.4 34.6 52.0





#57

1,3-Dichloropropane

Concen: 0.204 ug/l

RT: 11.047 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

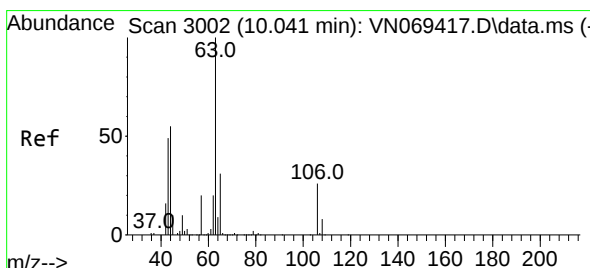
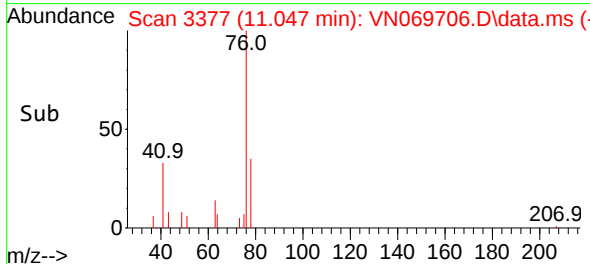
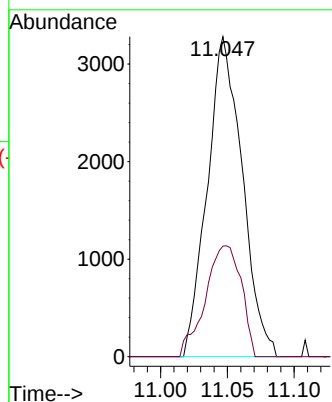
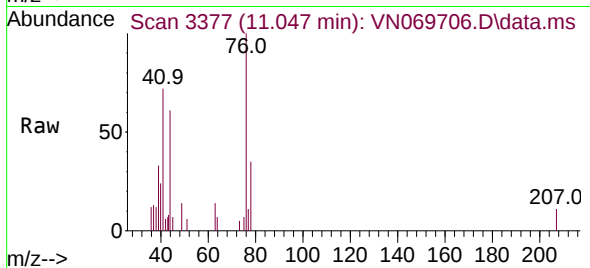
IBLK

Tgt Ion: 76 Resp: 5968

Ion Ratio Lower Upper

76 100

78 35.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 0.396 ug/l

RT: 10.044 min Scan# 3003

Delta R.T. 0.000 min

Lab File: VN069706.D

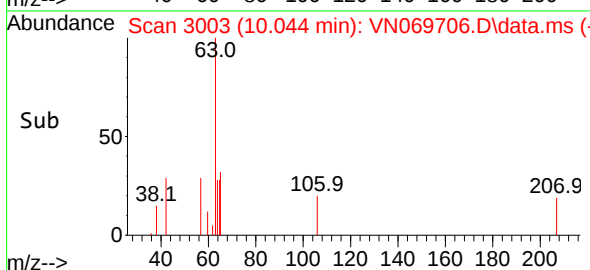
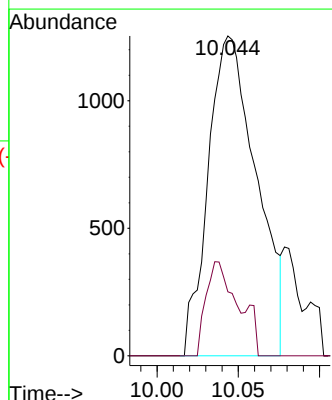
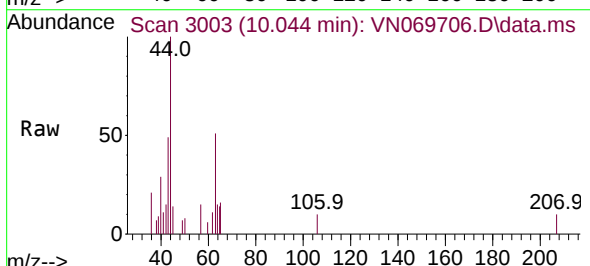
Acq: 2 Dec 2021 20:12

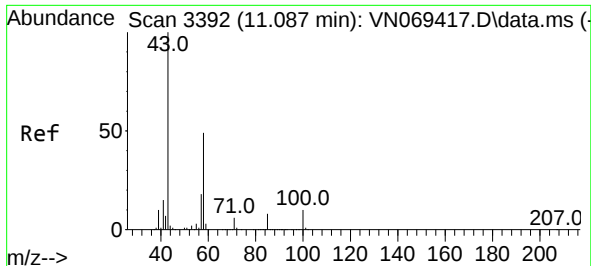
Tgt Ion: 63 Resp: 2599

Ion Ratio Lower Upper

63 100

106 16.1 23.9 35.9#

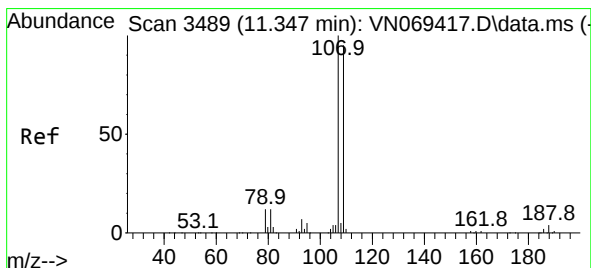
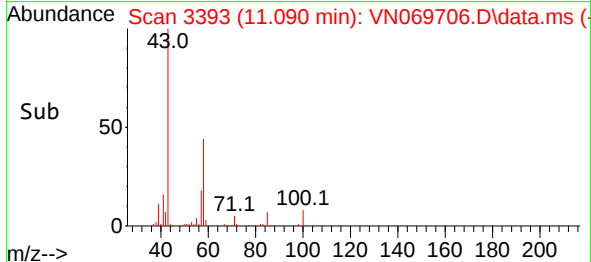
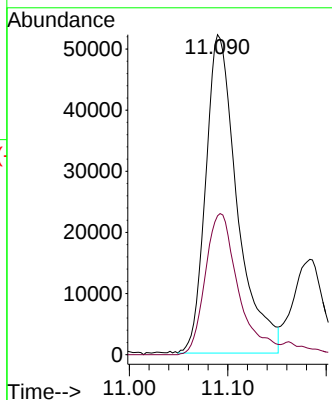
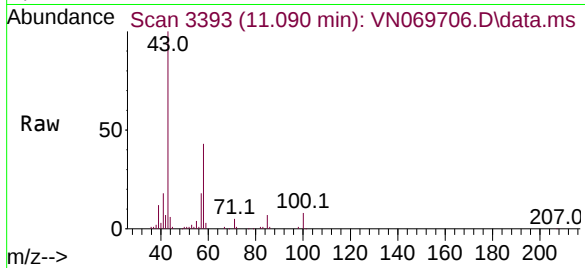




#59
2-Hexanone
Concen: 5.118 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

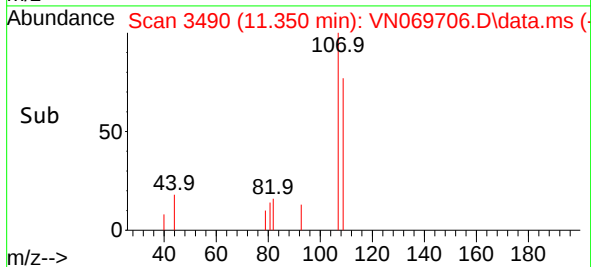
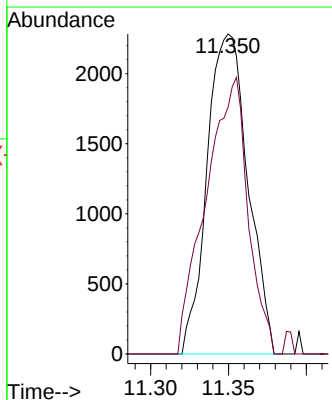
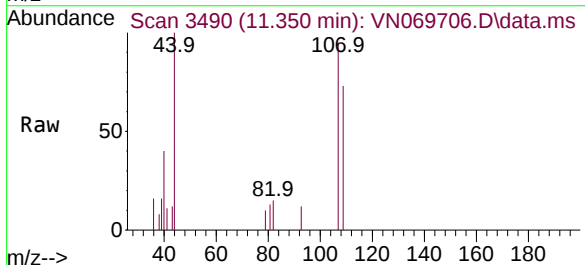
Instrument :
MSVOA_N
ClientSampleId :
IBLK

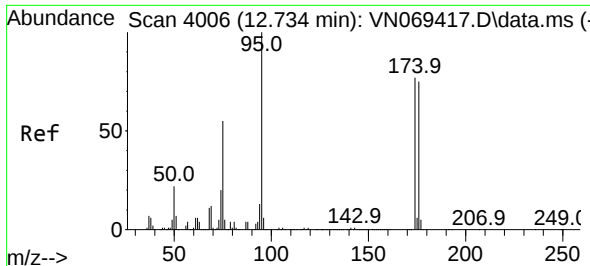
Tgt Ion: 43 Resp: 116270
Ion Ratio Lower Upper
43 100
58 46.6 26.9 80.7



#61
1,2-Dibromoethane
Concen: 0.247 ug/l
RT: 11.350 min Scan# 3490
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 107 Resp: 4173
Ion Ratio Lower Upper
107 100
109 88.6 75.7 113.5

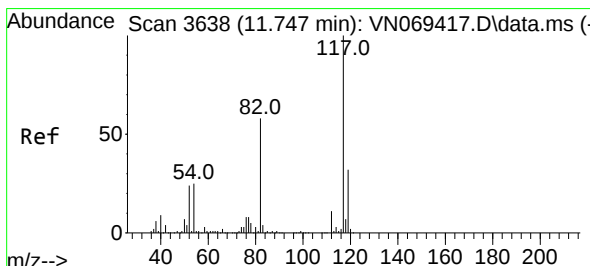
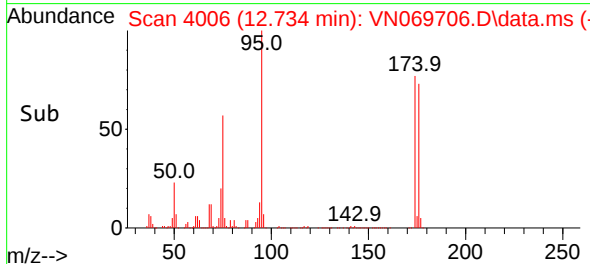
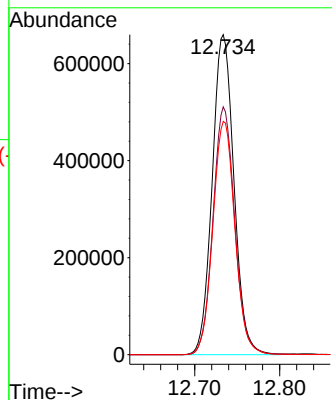
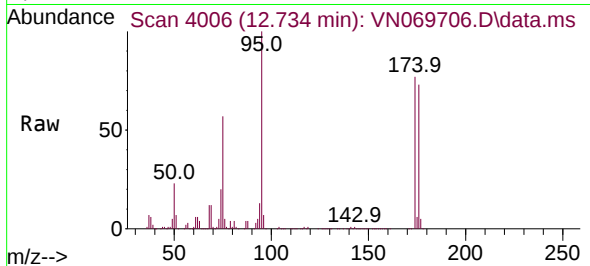




#62
4-Bromofluorobenzene
Concen: 53.254 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

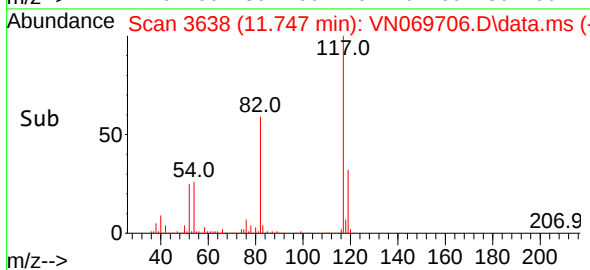
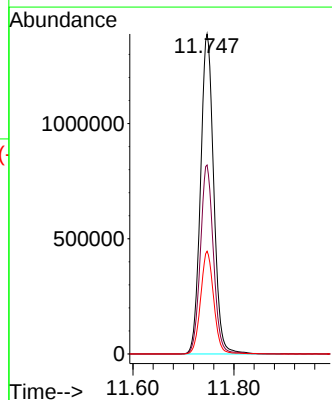
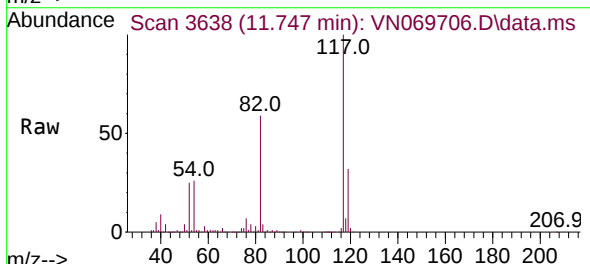
Instrument :
MSVOA_N
ClientSampleId :
IBLK

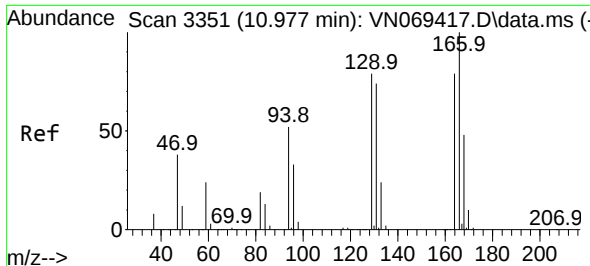
Tgt Ion: 95 Resp: 1175491
Ion Ratio Lower Upper
95 100
174 77.3 0.0 187.2
176 73.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 117 Resp: 2514066
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.1 25.4 38.2

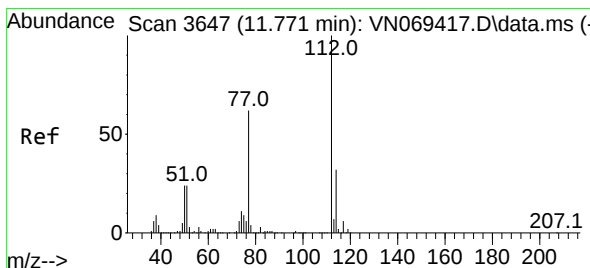
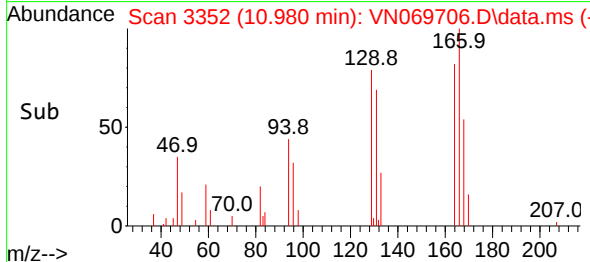
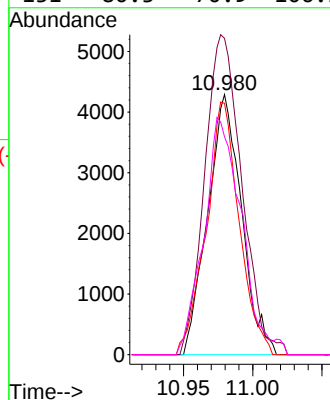
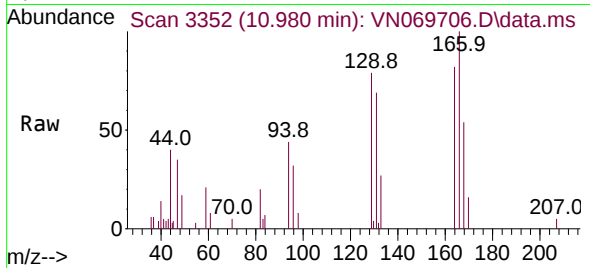




#64
Tetrachloroethene
Concen: 0.465 ug/l
RT: 10.980 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

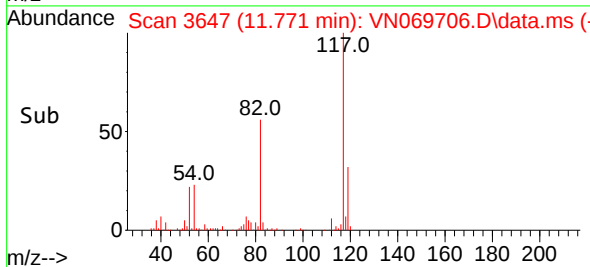
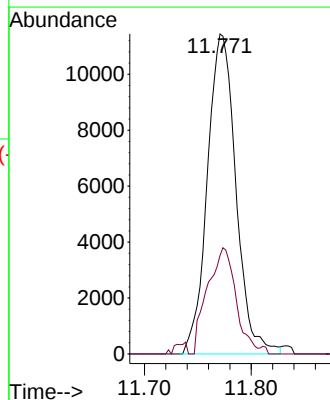
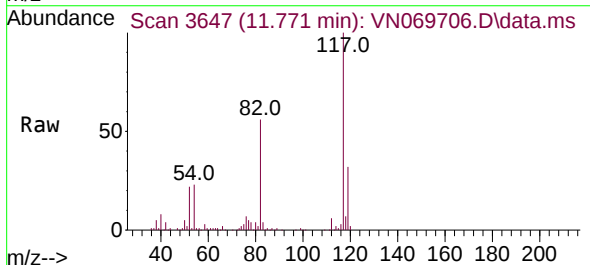
Instrument :
MSVOA_N
ClientSampleId :
IBLK

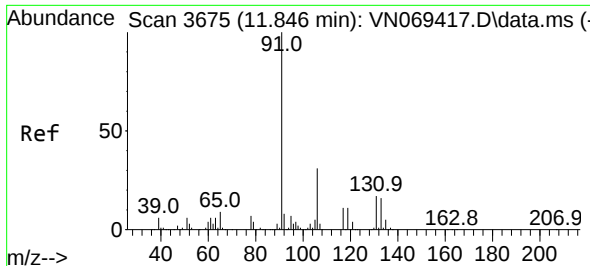
Tgt	Ion:164	Resp:	7288
Ion	Ratio	Lower	Upper
164	100		
166	121.6	101.9	152.9
129	96.6	72.0	108.0
131	80.3	70.9	106.3



#65
Chlorobenzene
Concen: 0.444 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion:112	Resp:	21296	
Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.4	38.0

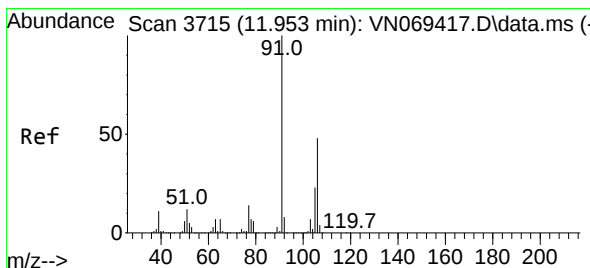
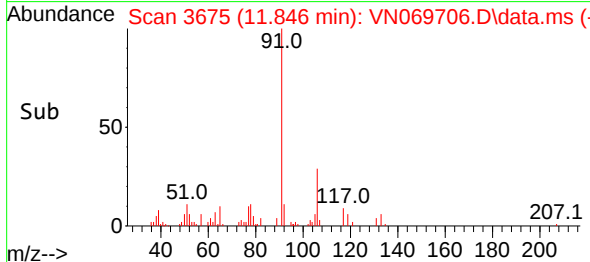
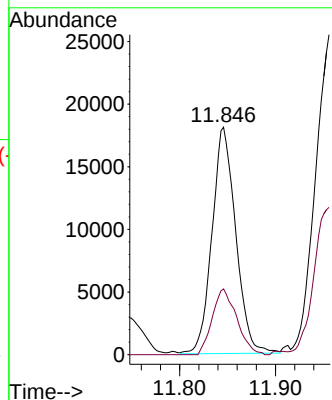
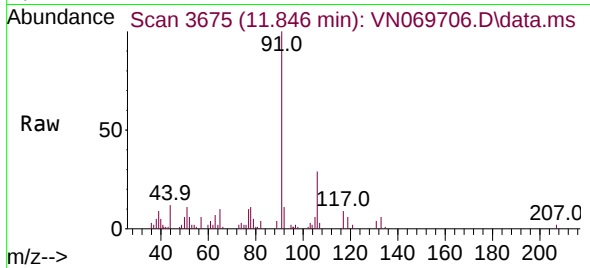




#67
Ethyl Benzene
Concen: 0.350 ug/l
RT: 11.846 min Scan# 307
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

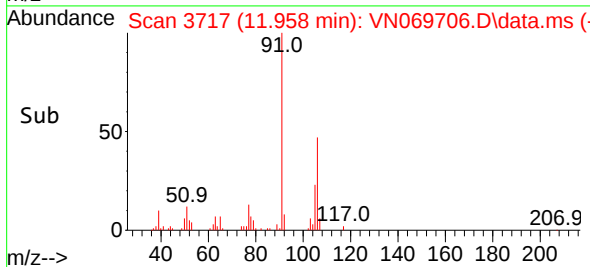
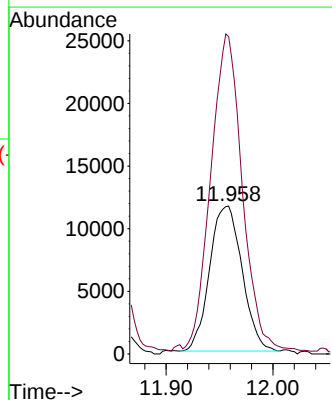
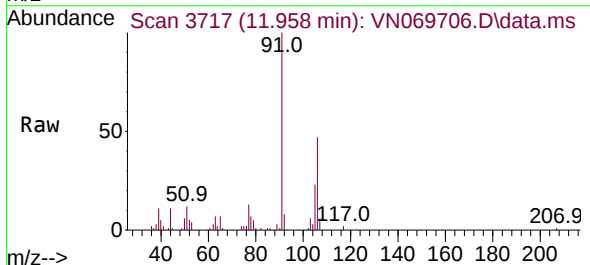
Instrument :
MSVOA_N
ClientSampleId :
IBLK

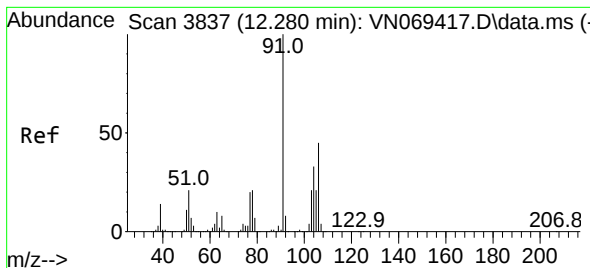
Tgt Ion: 91 Resp: 31031
Ion Ratio Lower Upper
91 100
106 29.2 25.7 38.5



#68
m/p-Xylenes
Concen: 0.754 ug/l
RT: 11.958 min Scan# 3717
Delta R.T. 0.006 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 106 Resp: 24502
Ion Ratio Lower Upper
106 100
91 213.0 160.6 240.8





#69

o-Xylene

Concen: 0.282 ug/l

RT: 12.283 min Scan# 3837

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

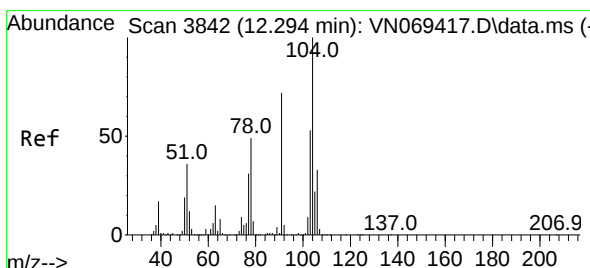
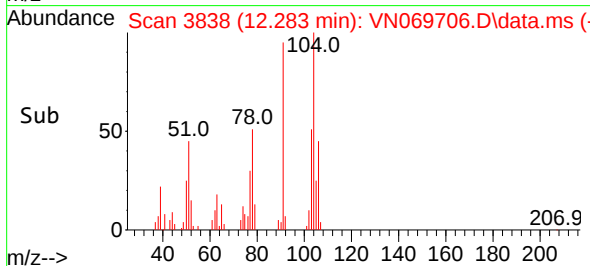
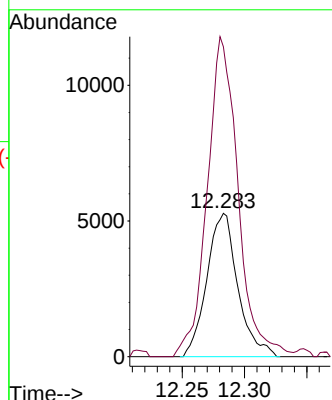
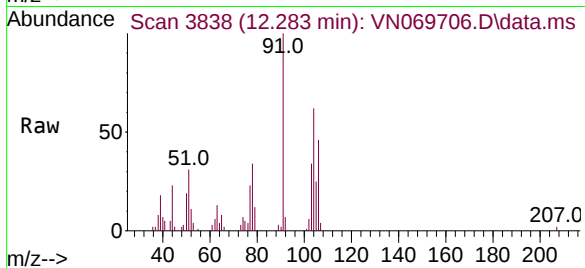
IBLK

Tgt Ion:106 Resp: 9136

Ion Ratio Lower Upper

106 100

91 221.8 105.8 317.3



#70

Styrene

Concen: 0.473 ug/l

RT: 12.294 min Scan# 3842

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

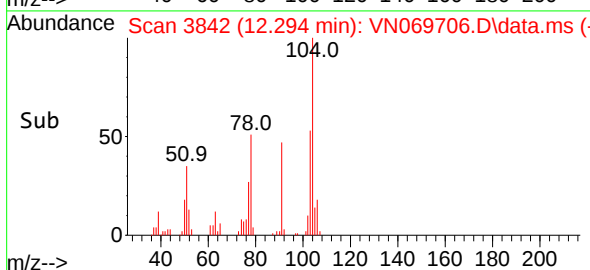
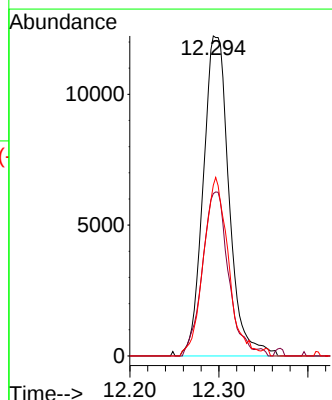
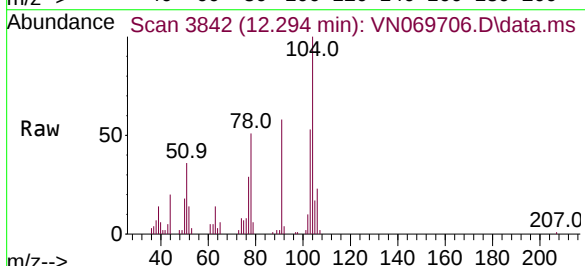
Tgt Ion:104 Resp: 24627

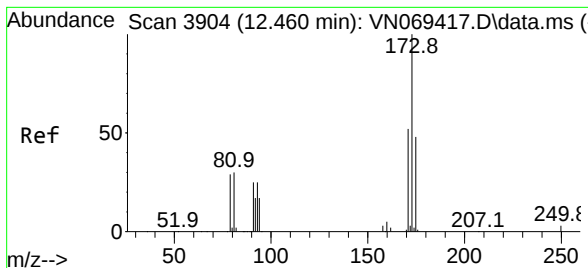
Ion Ratio Lower Upper

104 100

78 51.4 38.7 58.1

103 53.6 45.0 67.6





#71

Bromoform

Concen: 0.287 ug/l

RT: 12.463 min Scan# 3905

Delta R.T. 0.003 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

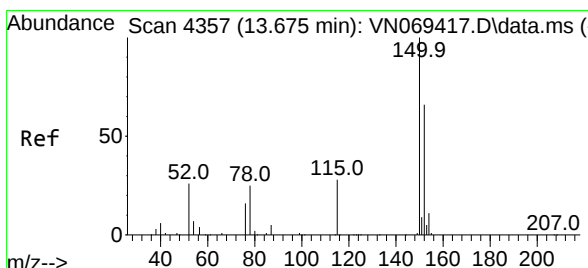
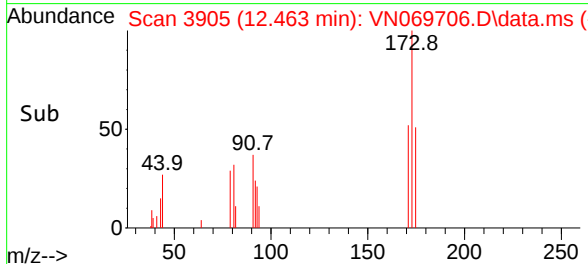
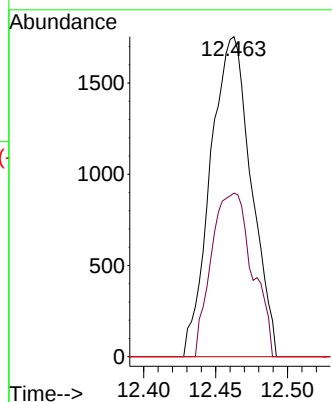
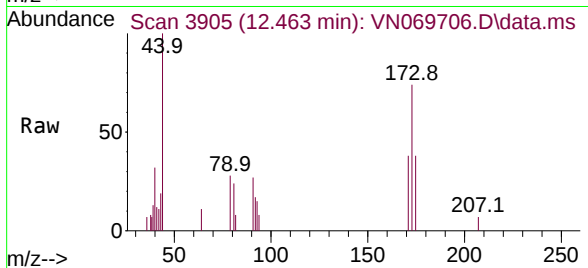
Tgt Ion:173 Resp: 3453

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: 13.678 min Scan# 4358

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

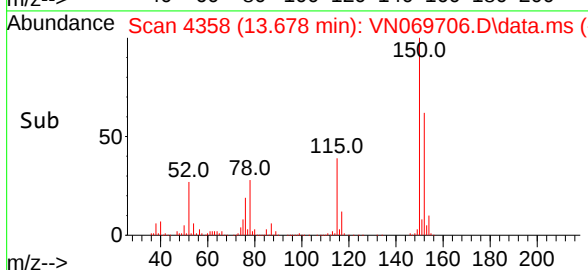
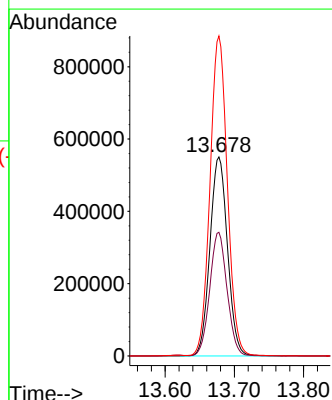
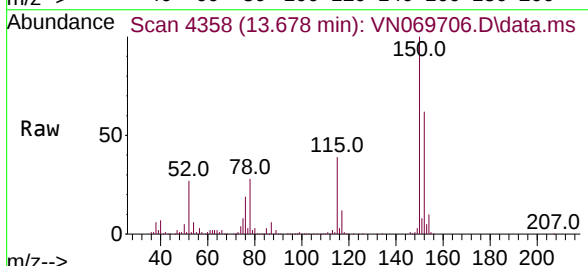
Tgt Ion:152 Resp: 970199

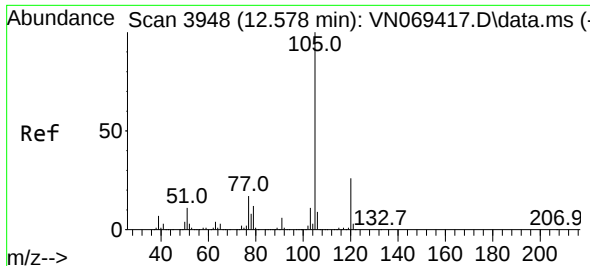
Ion Ratio Lower Upper

152 100

115 61.1 27.5 82.5

150 158.1 0.0 344.4

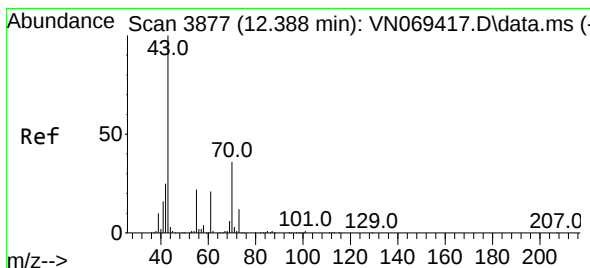
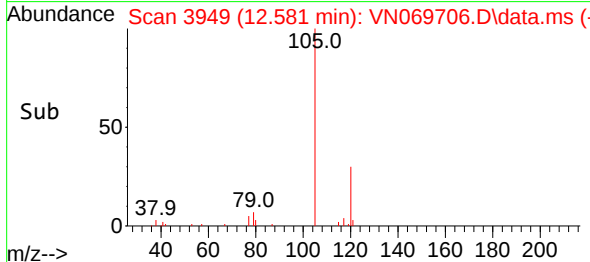
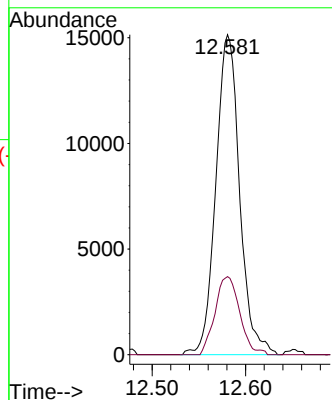
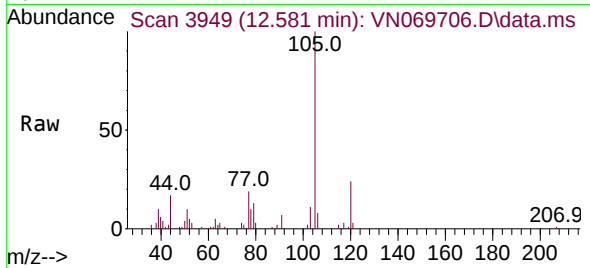




#73
Isopropylbenzene
Concen: 0.337 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

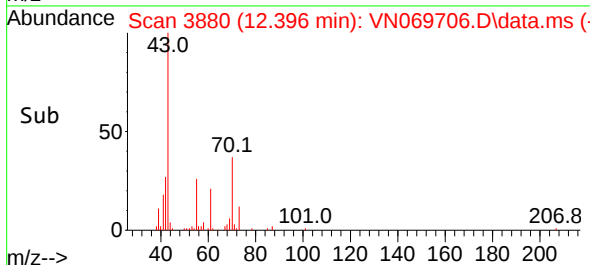
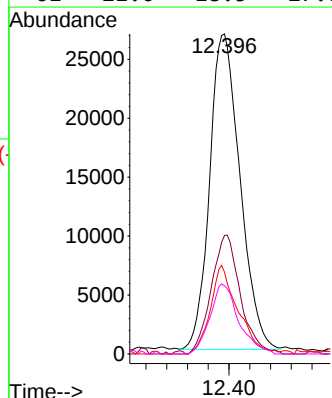
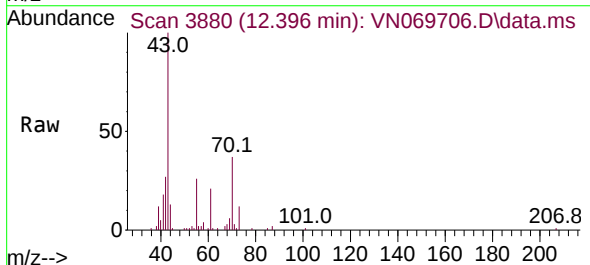
Instrument :
MSVOA_N
ClientSampleId :
IBLK

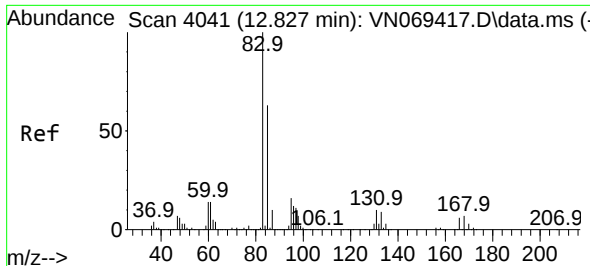
Tgt Ion:105 Resp: 26783
Ion Ratio Lower Upper
105 100
120 25.3 13.4 40.1



#74
N-ethyl acetate
Concen: 1.600 ug/l
RT: 12.396 min Scan# 3880
Delta R.T. 0.008 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 43 Resp: 54364
Ion Ratio Lower Upper
43 100
70 36.1 33.4 50.0
55 25.4 19.3 28.9
61 21.0 18.5 27.7

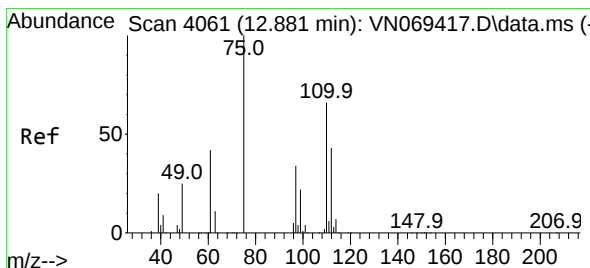
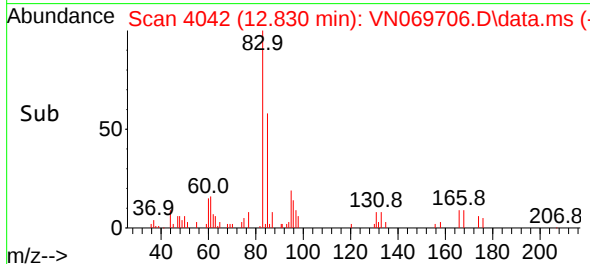
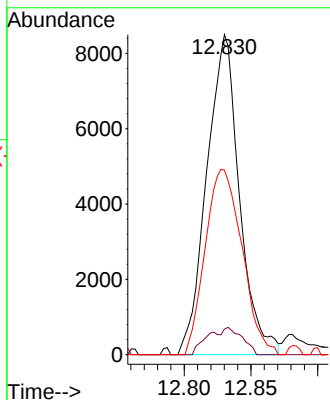
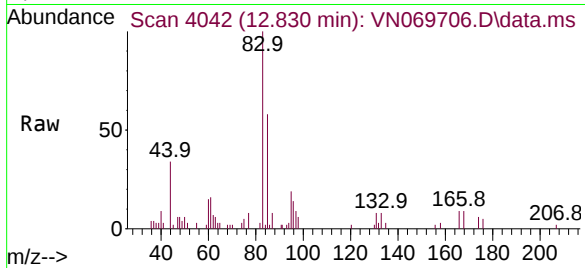




#75
1,1,2,2-Tetrachloroethane
Concen: 0.537 ug/l
RT: 12.830 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

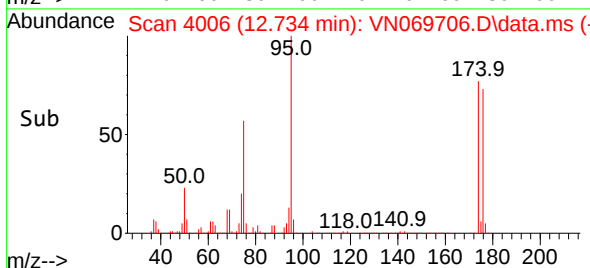
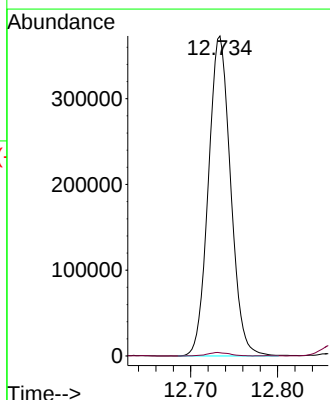
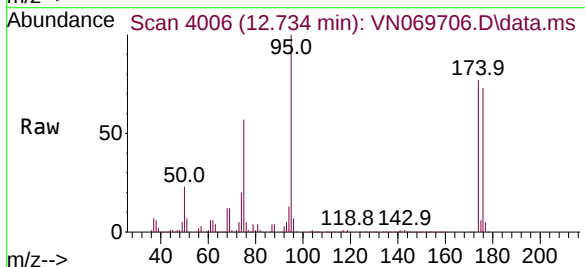
Instrument :
MSVOA_N
ClientSampleId :
IBLK

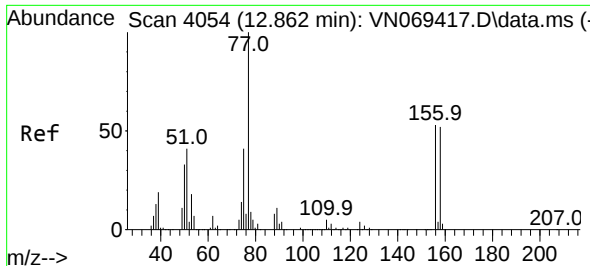
Tgt Ion: 83 Resp: 14450
Ion Ratio Lower Upper
83 100
131 4.9 5.5 16.5#
85 65.2 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.392 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 75 Resp: 662559
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#

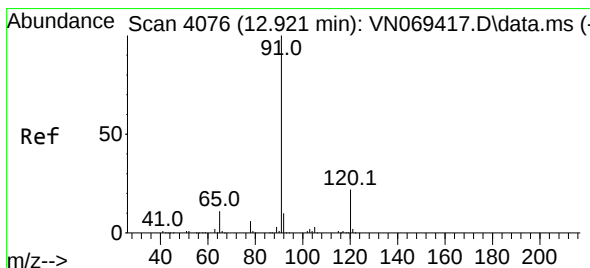
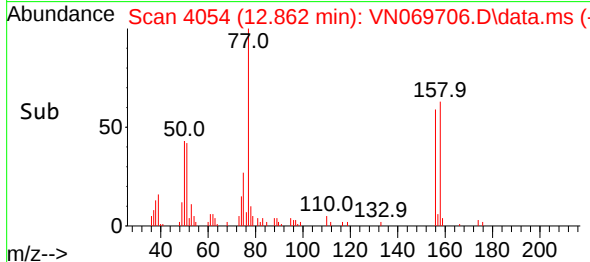
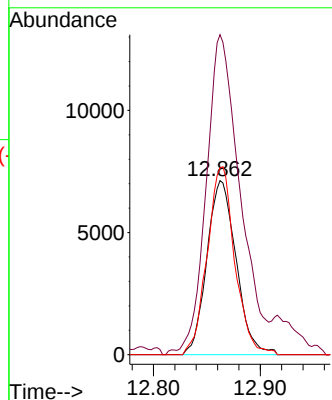
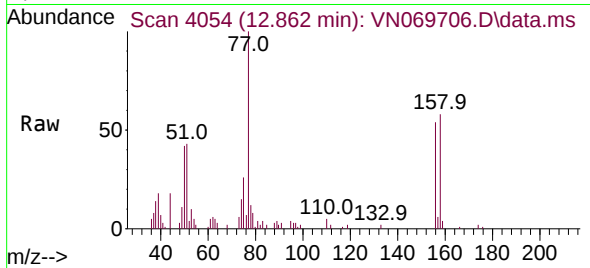




#77
Bromobenzene
Concen: 0.743 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

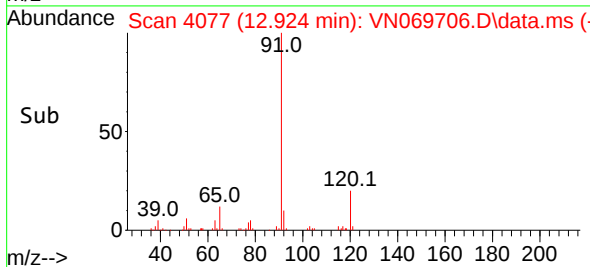
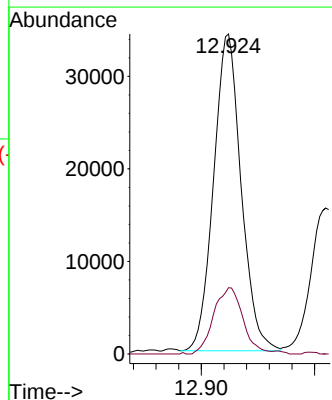
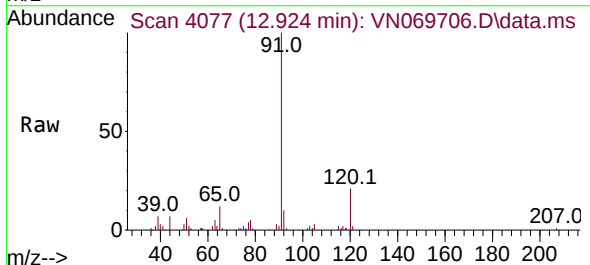
Instrument :
MSVOA_N
ClientSampleId :
IBLK

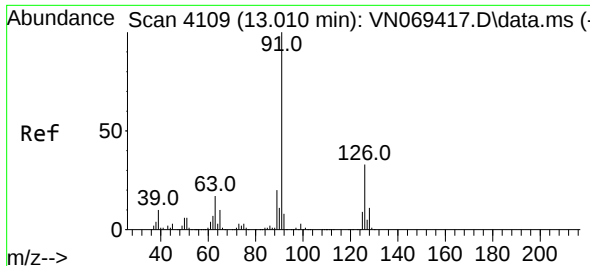
Tgt Ion:156 Resp: 13542
Ion Ratio Lower Upper
156 100
77 212.4 90.6 271.8
158 102.1 48.9 146.7



#78
n-propylbenzene
Concen: 0.646 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 91 Resp: 57750
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.9

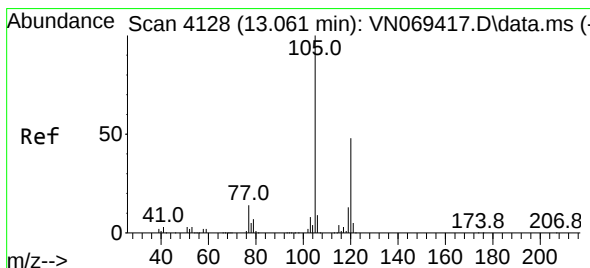
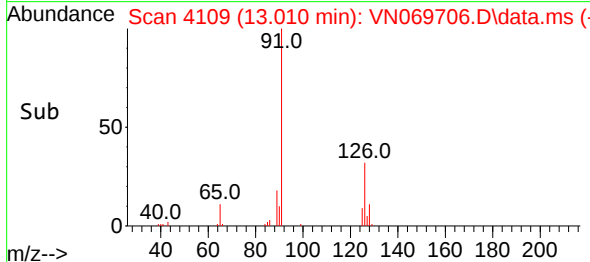
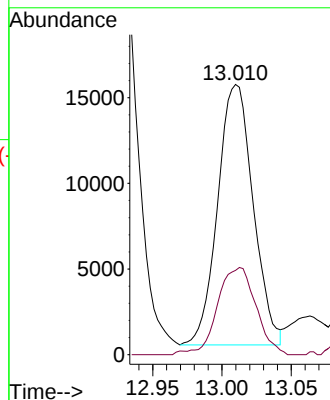
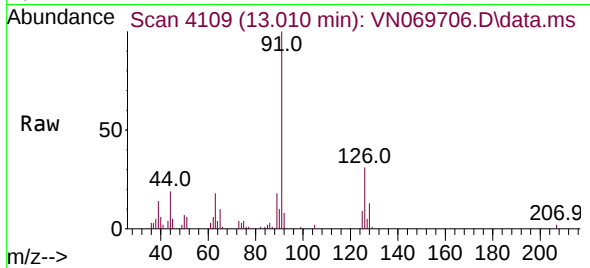




#79
2-Chlorotoluene
Concen: 0.489 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

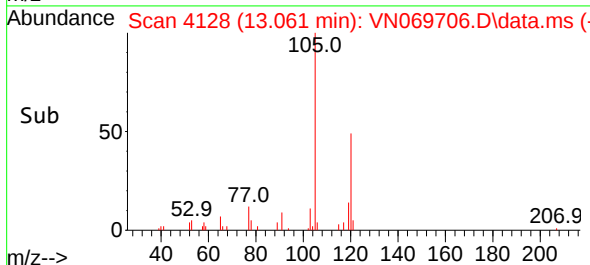
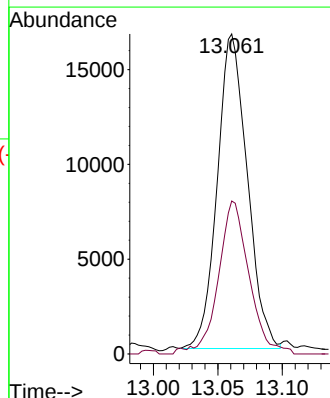
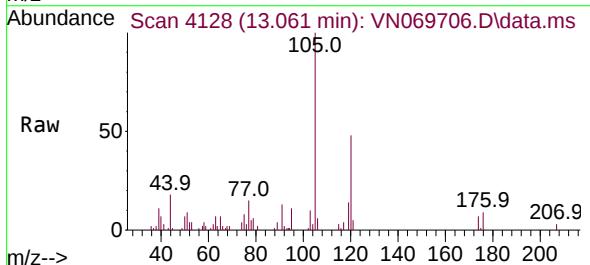
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MSVOA_N
ClientSampleId :
IBLK

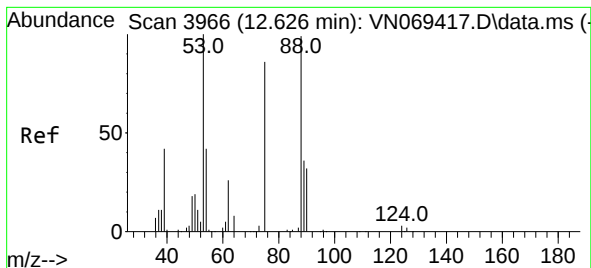
Tgt Ion: 91 Resp: 27111
Ion Ratio Lower Upper
91 100
126 36.2 18.3 54.8



#80
1,3,5-Trimethylbenzene
Concen: 0.418 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 105 Resp: 26863
Ion Ratio Lower Upper
105 100
120 49.8 24.6 73.6

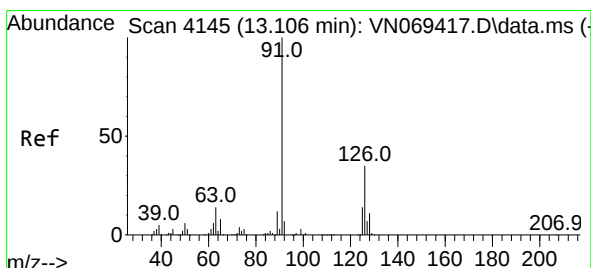
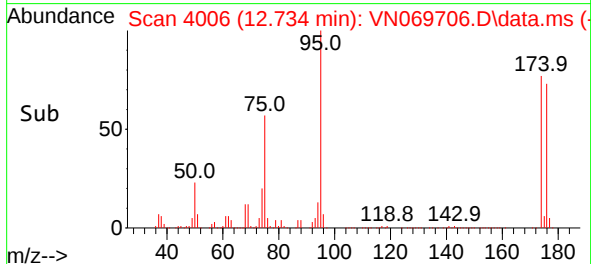
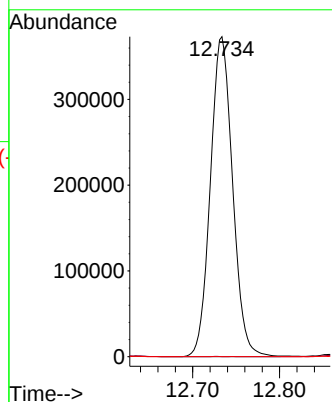
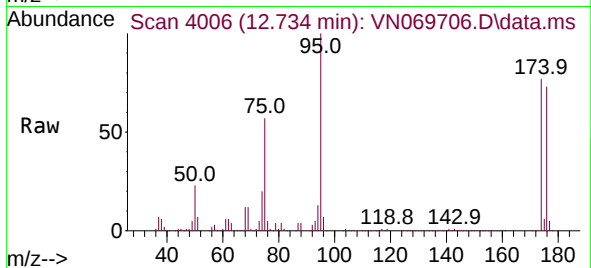




#81
trans-1,4-Dichloro-2-butene
Concen: 93.912 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

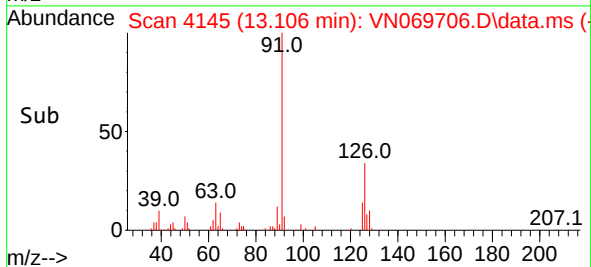
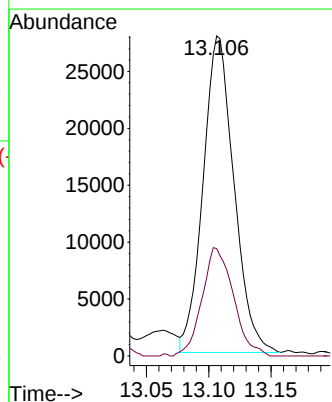
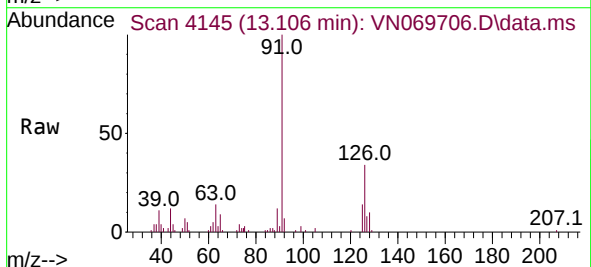
Instrument :
MSVOA_N
ClientSampleId :
IBLK

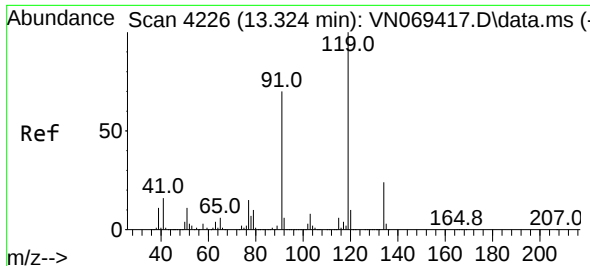
Tgt Ion: 75 Resp: 662559
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#82
4-Chlorotoluene
Concen: 0.908 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 91 Resp: 47973
Ion Ratio Lower Upper
91 100
126 34.6 18.2 54.6

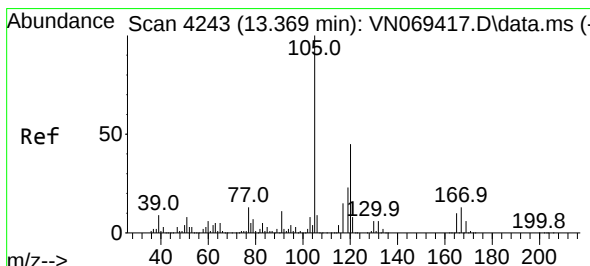
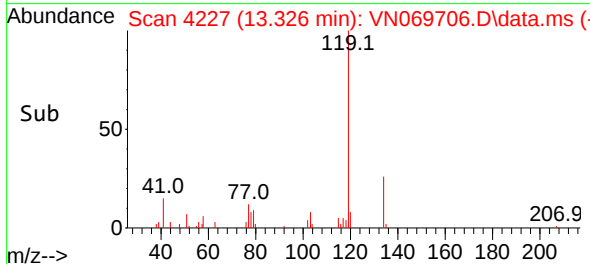
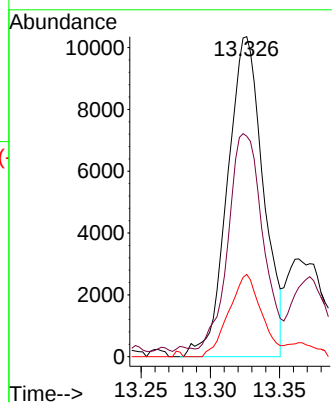
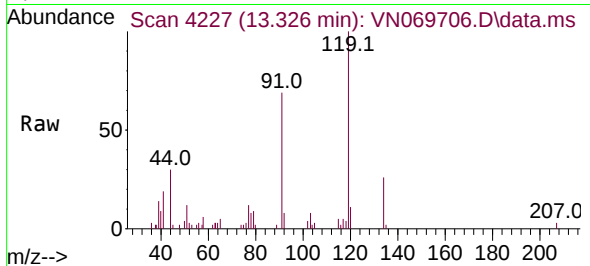




#83
tert-Butylbenzene
Concen: 0.330 ug/l
RT: 13.326 min Scan# 4226
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

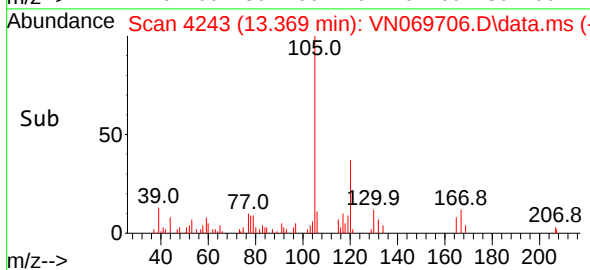
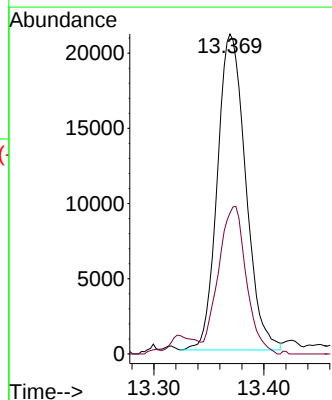
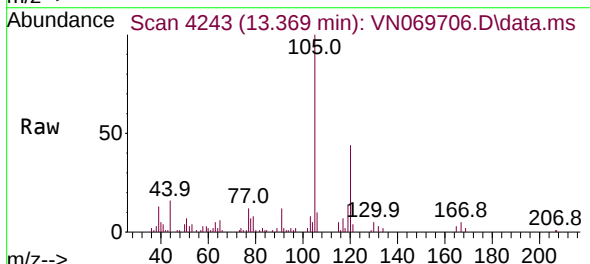
Instrument :
MSVOA_N
ClientSampleId :
IBLK

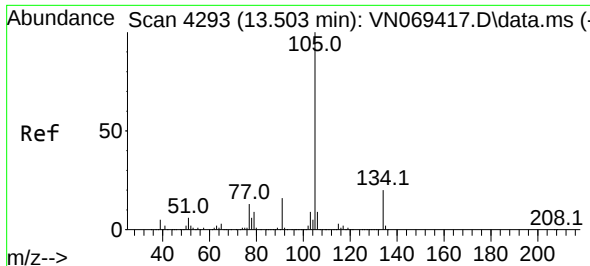
Tgt Ion:119 Resp: 18581
Ion Ratio Lower Upper
119 100
91 64.8 31.5 94.5
134 23.6 12.4 37.4



#84
1,2,4-Trimethylbenzene
Concen: 0.606 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion:105 Resp: 37551
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4

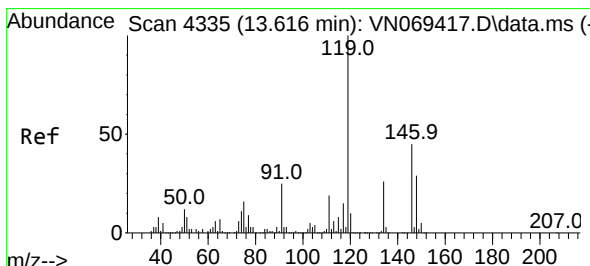
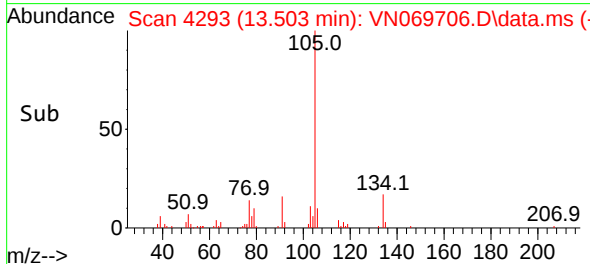
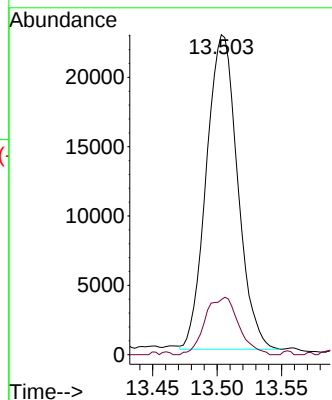
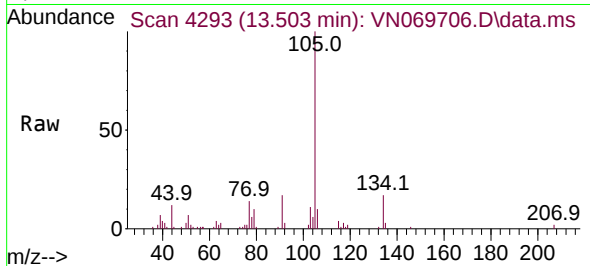




#85
 sec-Butylbenzene
 Concen: 0.488 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

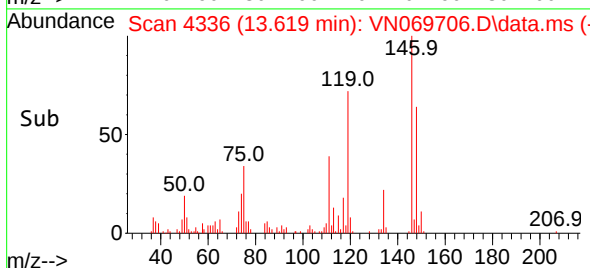
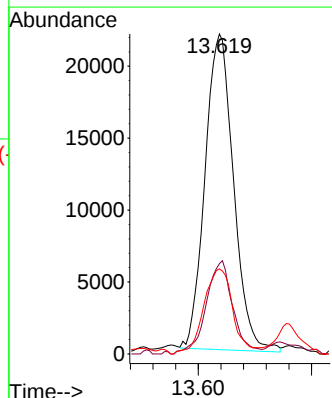
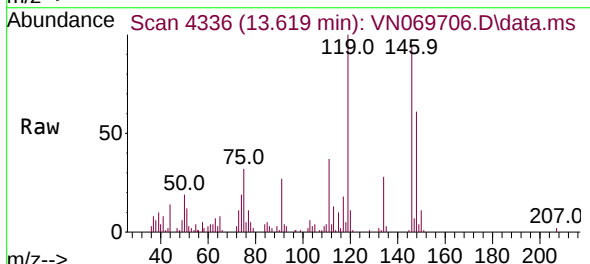
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

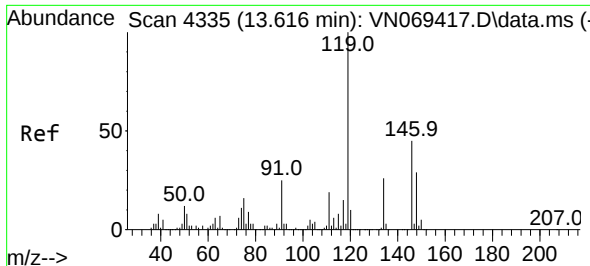
Tgt Ion:105 Resp: 38242
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.618 ug/l
 RT: 13.619 min Scan# 4336
 Delta R.T. 0.003 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

Tgt Ion:119 Resp: 38341
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.6 40.7
 91 27.4 11.4 34.1

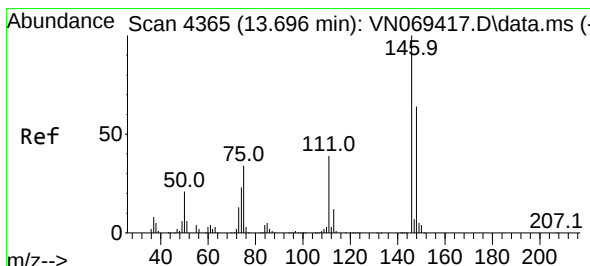
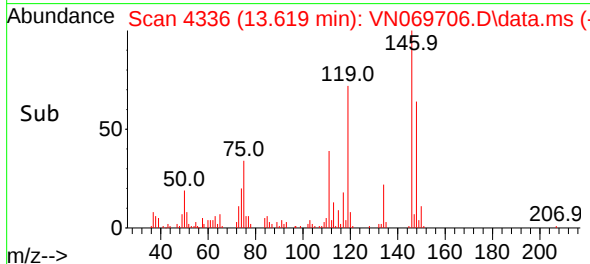
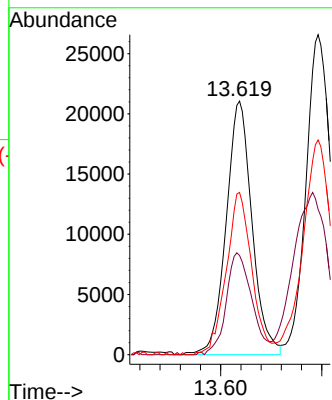
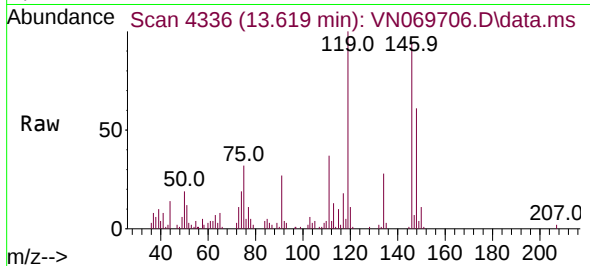




#87
1,3-Dichlorobenzene
Concen: 1.194 ug/l
RT: 13.619 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

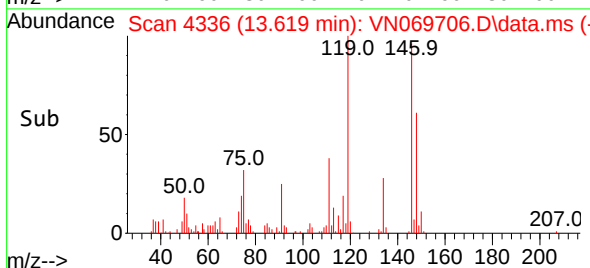
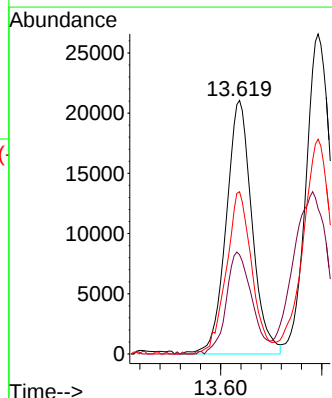
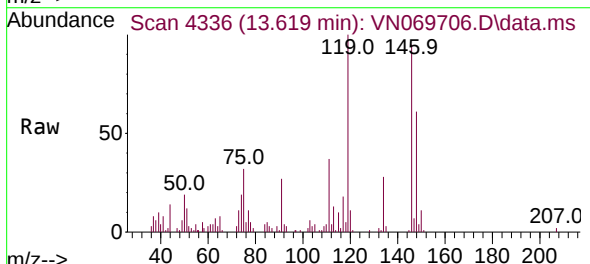
Instrument :
MSVOA_N
ClientSampleId :
IBLK

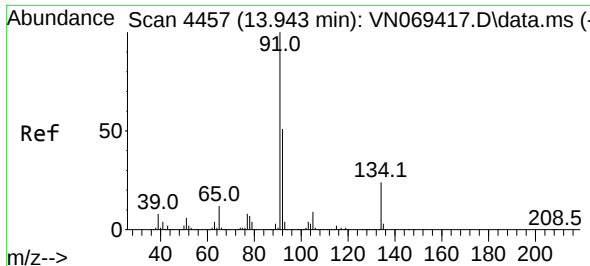
Tgt Ion:146 Resp: 37389
Ion Ratio Lower Upper
146 100
111 39.6 18.6 55.6
148 63.1 31.6 95.0



#88
1,4-Dichlorobenzene
Concen: 1.219 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. -0.078 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion:146 Resp: 37389
Ion Ratio Lower Upper
146 100
111 39.6 18.3 54.8
148 63.1 31.8 95.4

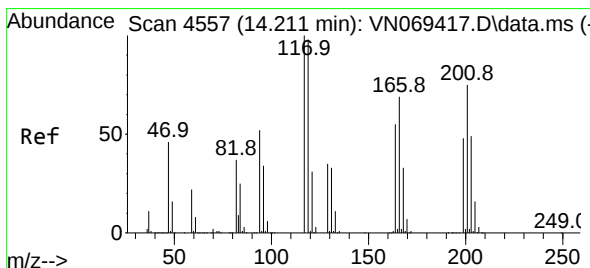
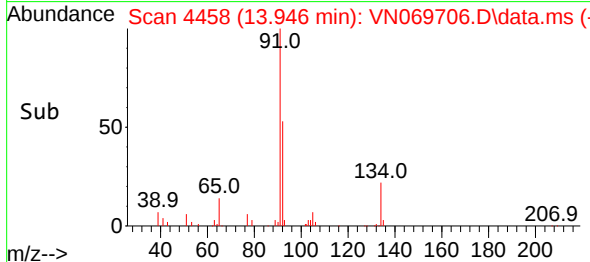
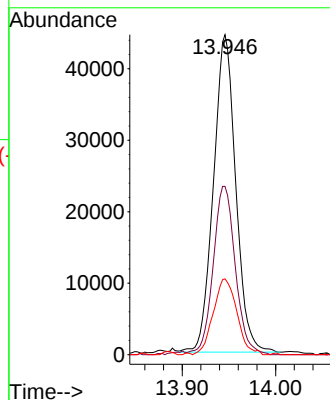
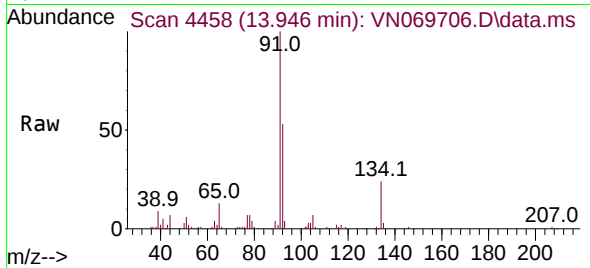




#89
n-Butylbenzene
Concen: 1.432 ug/l
RT: 13.946 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

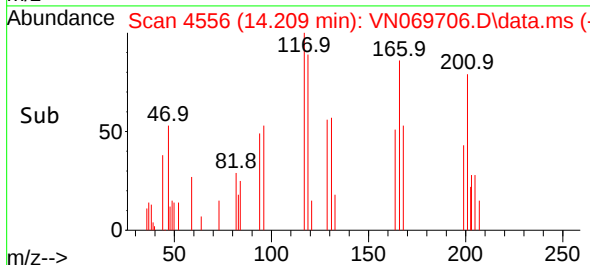
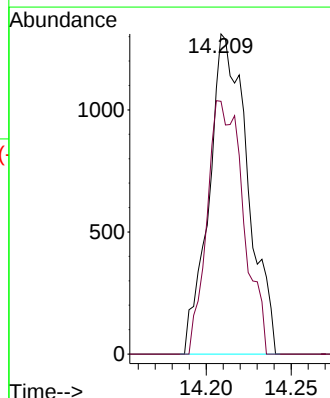
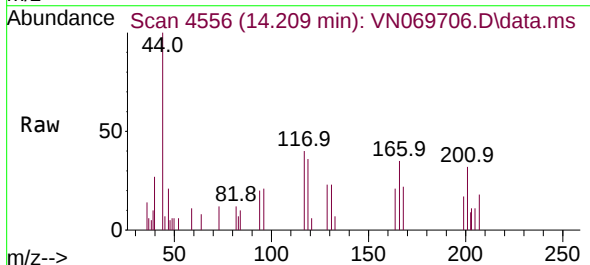
Instrument :
MSVOA_N
ClientSampleId :
IBLK

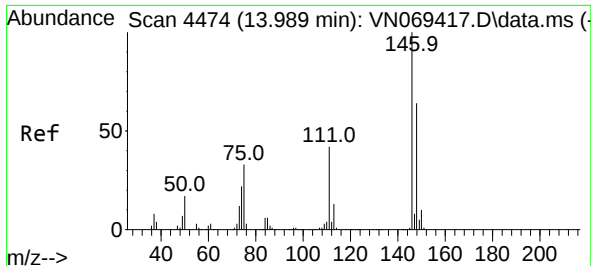
Tgt Ion: 91 Resp: 73703
Ion Ratio Lower Upper
91 100
92 52.7 25.4 76.0
134 25.3 13.6 40.8



#90
Hexachloroethane
Concen: 0.201 ug/l
RT: 14.209 min Scan# 4556
Delta R.T. -0.002 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion: 117 Resp: 2073
Ion Ratio Lower Upper
117 100
201 74.2 43.9 131.6

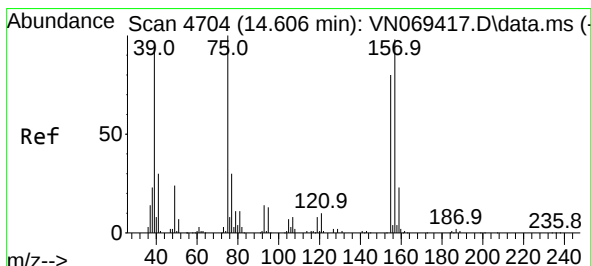
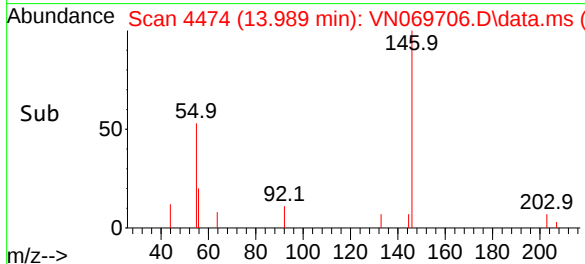
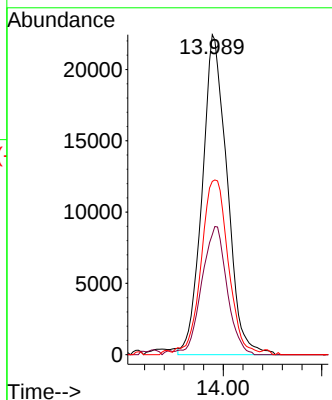
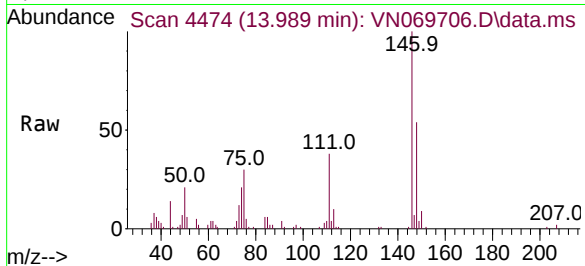




#91
 1,2-Dichlorobenzene
 Concen: 1.322 ug/l
 RT: 13.989 min Scan# 4474
 Delta R.T. 0.000 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

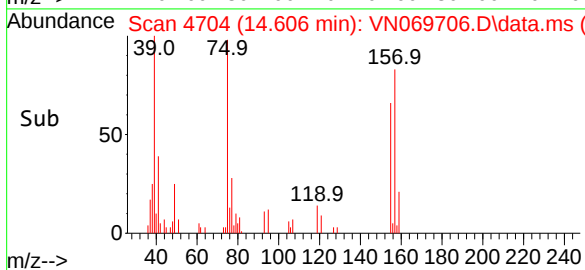
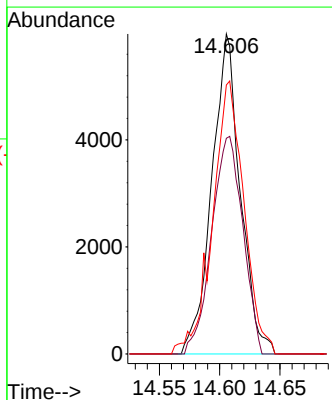
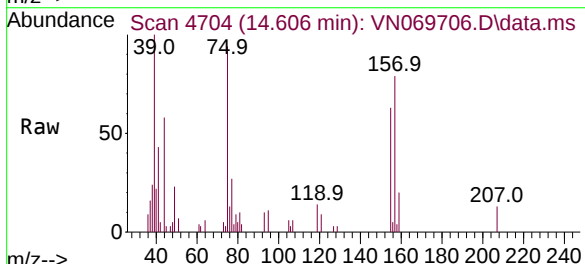
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

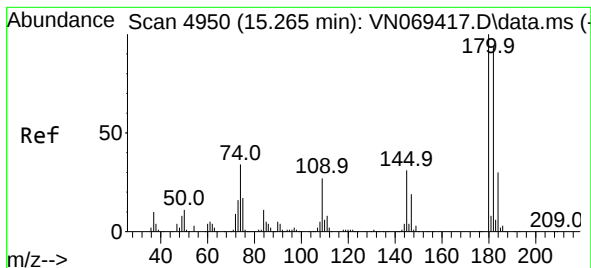
Tgt Ion:146 Resp: 39465
 Ion Ratio Lower Upper
 146 100
 111 40.6 19.1 57.3
 148 57.2 32.1 96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.225 ug/l
 RT: 14.606 min Scan# 4704
 Delta R.T. 0.003 min
 Lab File: VN069706.D
 Acq: 2 Dec 2021 20:12

Tgt Ion: 75 Resp: 9829
 Ion Ratio Lower Upper
 75 100
 155 74.3 46.9 140.7
 157 93.6 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 5.446 ug/l

RT: 15.265 min Scan# 4950

Delta R.T. 0.000 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

Instrument :

MSVOA_N

ClientSampleId :

IBLK

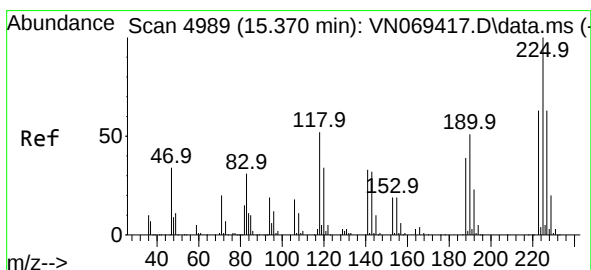
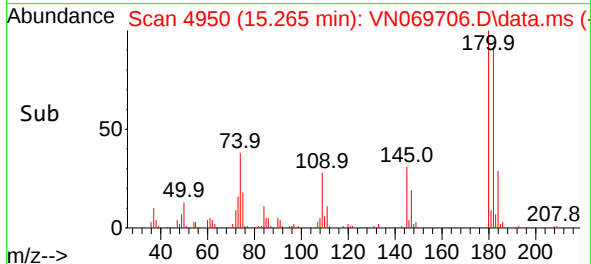
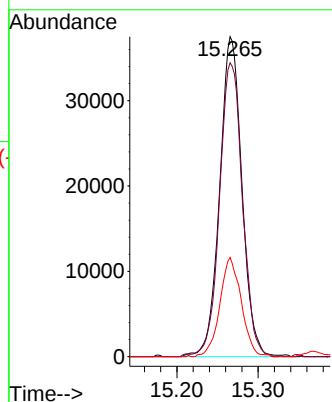
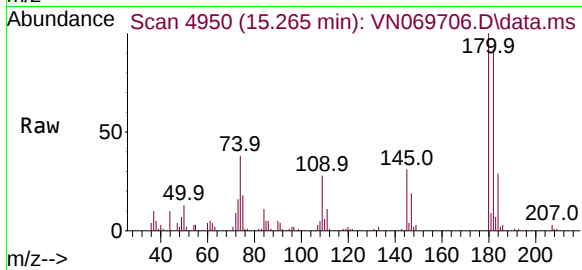
Tgt Ion:180 Resp: 71256

Ion Ratio Lower Upper

180 100

182 94.4 48.3 144.9

145 29.9 14.5 43.5



#94

Hexachlorobutadiene

Concen: 1.302 ug/l

RT: 15.373 min Scan# 4990

Delta R.T. 0.003 min

Lab File: VN069706.D

Acq: 2 Dec 2021 20:12

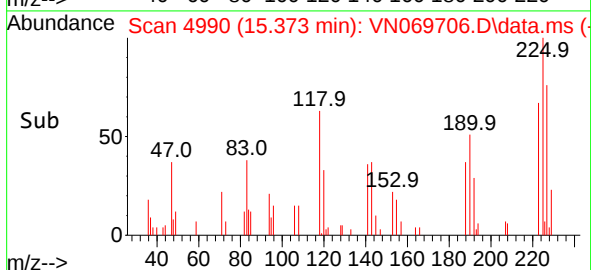
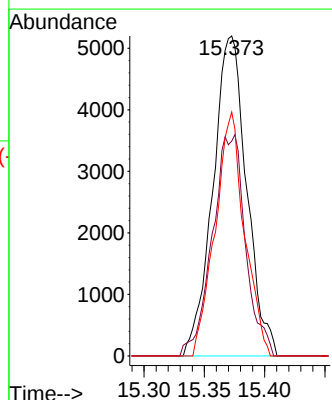
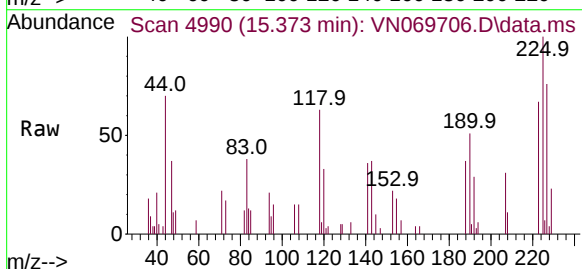
Tgt Ion:225 Resp: 10133

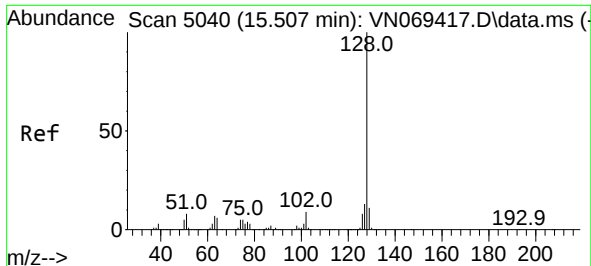
Ion Ratio Lower Upper

225 100

223 68.0 31.9 95.7

227 66.0 32.1 96.3

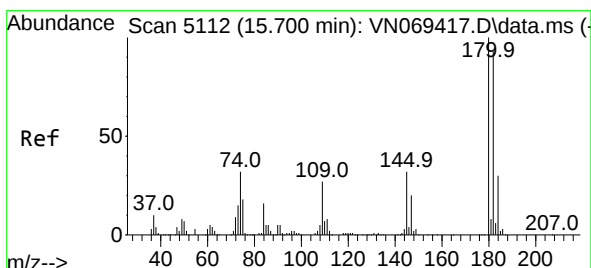
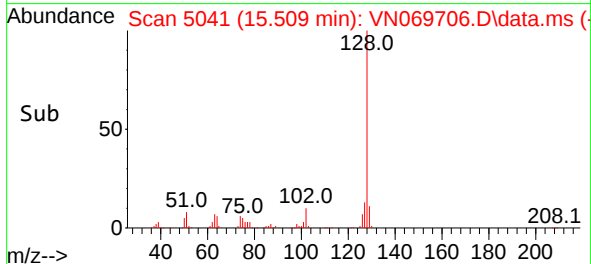
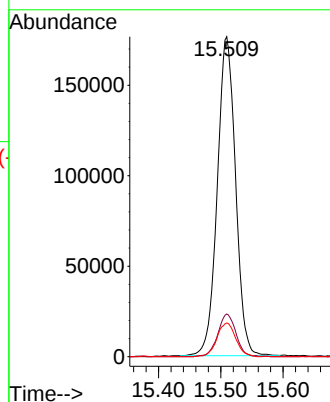
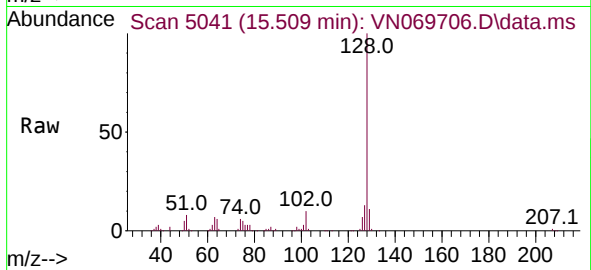




#95
Naphthalene
Concen: 10.081 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 359874
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 6.861 ug/l
RT: 15.703 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069706.D
Acq: 2 Dec 2021 20:12

Tgt Ion:180 Resp: 86646
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.2
145 32.9 15.0 45.1

