

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050523\
 Data File : VN077605.D
 Acq On : 05 May 2023 21:19
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 06 05:16:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat May 06 05:13:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	121708	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	661816	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	522584	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	285052	28.923	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.400%
60) 4-Bromofluorobenzene	12.854	95	192263	23.183	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.267%
63) Toluene-d8	10.572	98	779030	31.626	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.433%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.131	85	1843	0.212	ug/l	96
3) Chloromethane	2.372	50	2102	0.311	ug/l	92
11) Methyl Iodide	4.619	142	3160	0.384	ug/l	94
13) Acrolein	4.178	56	581	0.437	ug/l	99
14) Acrylonitrile	5.737	53	2112	0.613	ug/l #	47
15) Acetone	4.437	58	365	0.395	ug/l #	1
16) Carbon Disulfide	4.719	76	8691	0.527	ug/l #	94
18) Methylene Chloride	5.301	84	3617	0.446	ug/l #	54
19) trans-1,2-Dichloroethene	5.789	96	2144	0.290	ug/l	91
29) 1,1-Dichloropropene	8.383	75	3087	0.318	ug/l	62
30) 2-Butanone	7.507	43	2442	0.622	ug/l #	90
37) Trichloroethene	9.366	130	1938	0.265	ug/l #	58
42) Vinyl Acetate	6.631	43	2879	0.251	ug/l #	80
45) 1,4-Dioxane	9.701	88	127	0.861	ug/l #	1
47) n-amyl Acetate	12.501	43	6240	0.574	ug/l #	75
58) 4-Methyl-2-Pentanone	10.448	43	7274	0.998	ug/l	91
59) 2-Hexanone	11.207	43	13383	2.543	ug/l	99
61) Tetrachloroethene	11.107	164	2469	0.511	ug/l #	58
62) Toluene	10.630	91	6176	0.210	ug/l #	82
64) Chlorobenzene	11.901	112	7929	0.455	ug/l	100
66) Ethyl Benzene	11.966	91	9583	0.302	ug/l	97
67) m/p-Xylenes	12.071	106	7686	0.634	ug/l	94
68) o-Xylene	12.071	106	7686	0.637	ug/l	96
69) Styrene	12.413	104	4771	0.251	ug/l #	64
70) Isopropylbenzene	12.701	105	7523	0.242	ug/l #	75
71) 1,1,2,2-Tetrachloroethane	12.948	83	2720	0.282	ug/l	68
72) 1,2,3-Trichloropropane	13.001	75	4809	0.579	ug/l	77
73) Bromobenzene	12.983	156	4202	0.656	ug/l	96
74) n-propylbenzene	13.048	91	16556	0.481	ug/l	98
75) 2-Chlorotoluene	13.130	91	10491	0.489	ug/l	85
76) 1,3,5-Trimethylbenzene	13.183	105	5326	0.222	ug/l	74
78) 4-Chlorotoluene	13.230	91	14898	0.735	ug/l	92
79) tert-butylbenzene	13.442	119	6540	0.296	ug/l	99
80) 1,2,4-Trimethylbenzene	13.495	105	7295	0.326	ug/l	89
81) sec-Butylbenzene	13.618	105	12408	0.404	ug/l	97
82) p-Isopropyltoluene	13.736	119	9667	0.409	ug/l #	62
83) 1,3-Dichlorobenzene	13.742	146	11971	1.045	ug/l	90
84) 1,4-Dichlorobenzene	13.818	146	13874	1.232	ug/l	98
85) n-Butylbenzene	14.065	91	14479	0.780	ug/l	95

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QLast Update : Sat May 06 05:13:38 2023
Response via : Initial Calibration

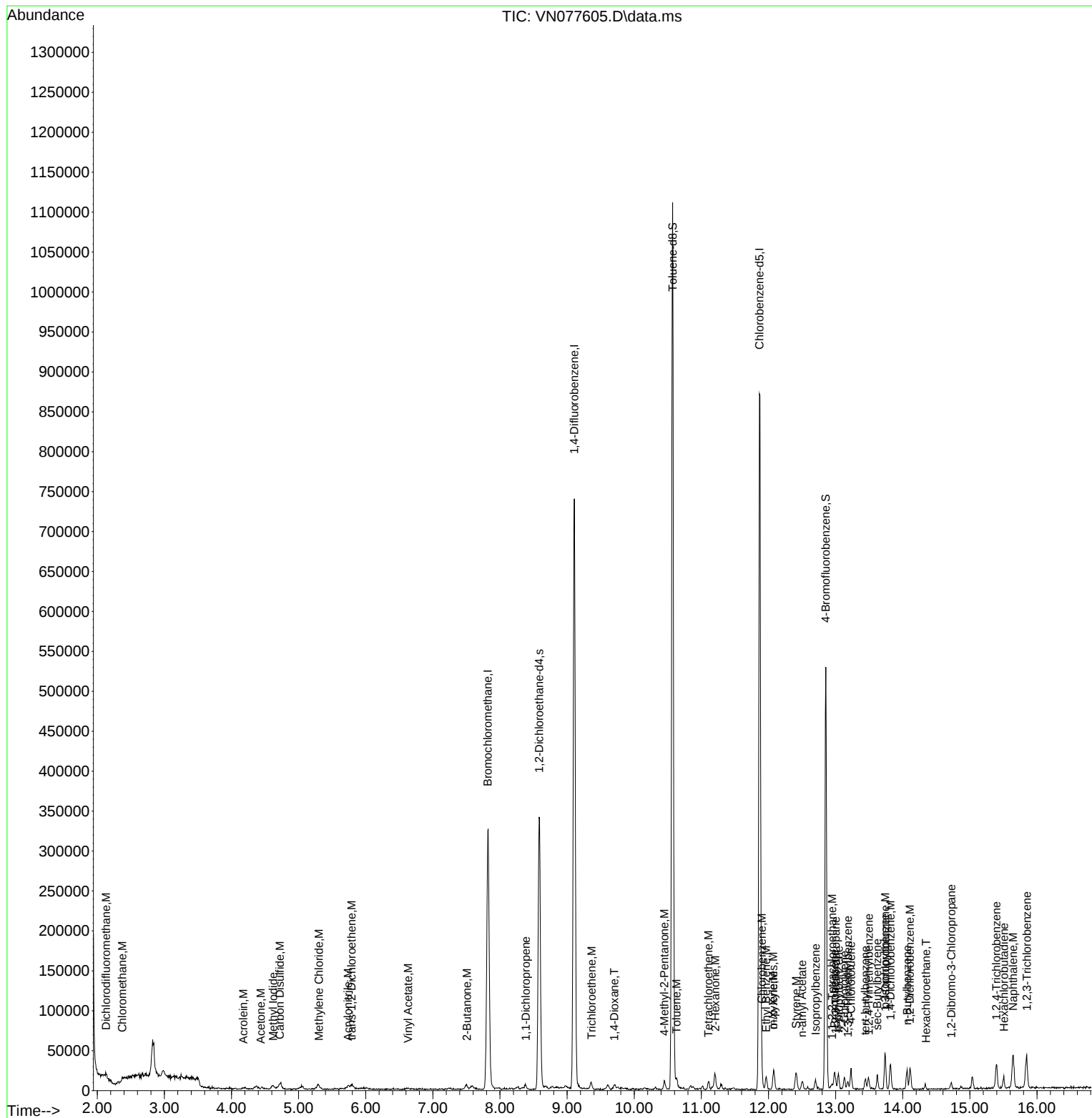
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) Hexachloroethane	14.348	117	1131	0.245	ug/l #	47
87) 1,2-Dichlorobenzene	14.107	146	9989	0.863	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.724	75	2638	1.441	ug/l #	76
89) 1,2,4-Trichlorobenzene	15.395	180	9700	8.066	ug/l	91
90) Hexachlorobutadiene	15.507	225	2358	1.007	ug/l	88
91) Naphthalene	15.642	128	43564	9.204	ug/l	97
92) 1,2,3-Trichlorobenzene	15.848	180	13917	9.312	ug/l	98

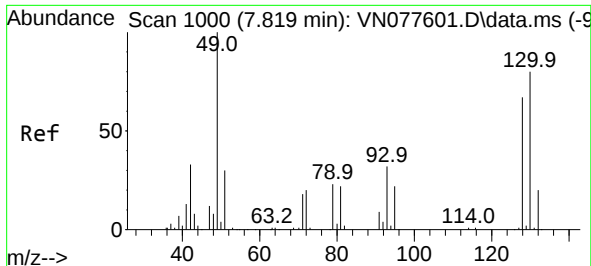
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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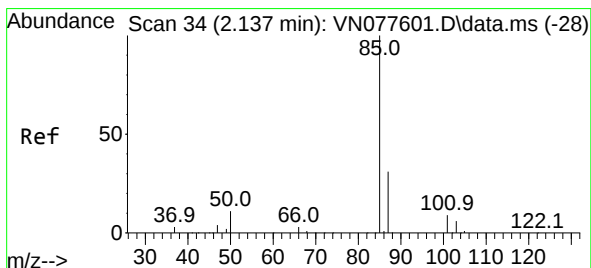
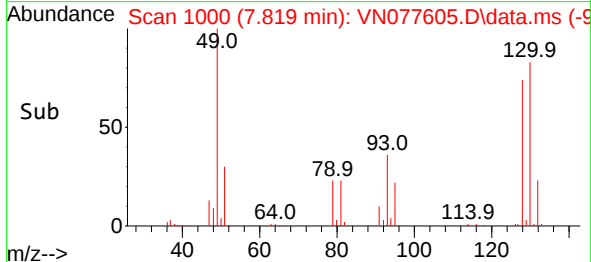
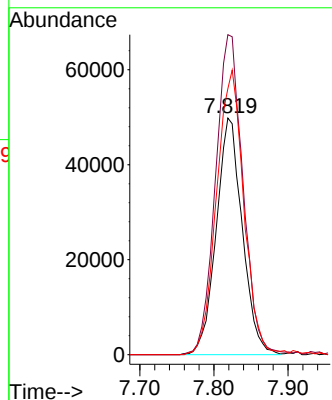
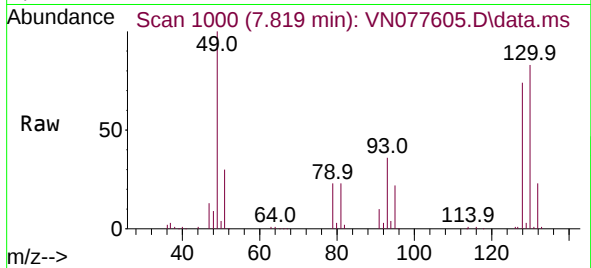




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

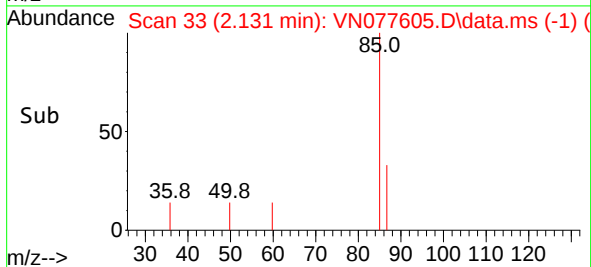
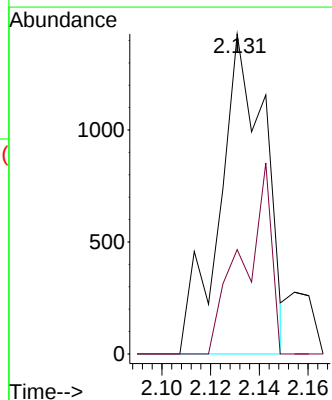
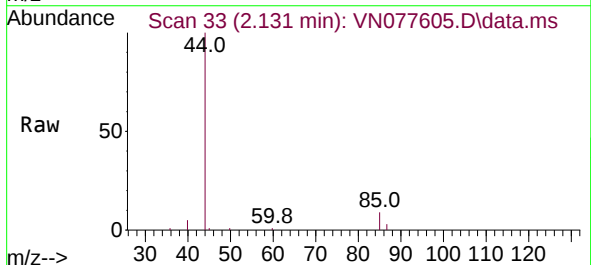
Instrument :
MSVOA_N
ClientSampleId :
IBLK

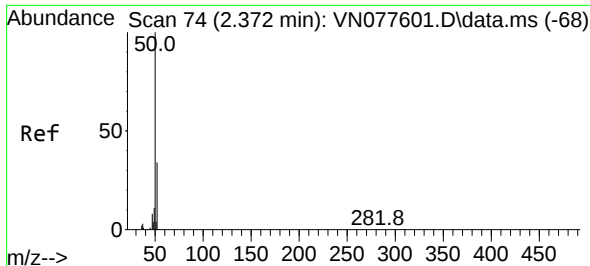
Tgt Ion:128 Resp: 121708
Ion Ratio Lower Upper
128 100
49 142.1 0.0 369.8
130 125.7 0.0 317.8



#2
Dichlorodifluoromethane
Concen: 0.212 ug/l
RT: 2.131 min Scan# 33
Delta R.T. -0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 85 Resp: 1843
Ion Ratio Lower Upper
85 100
87 32.6 15.3 45.9

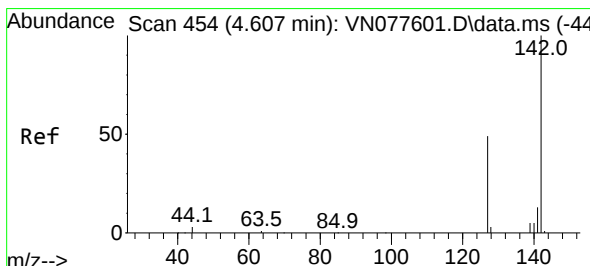
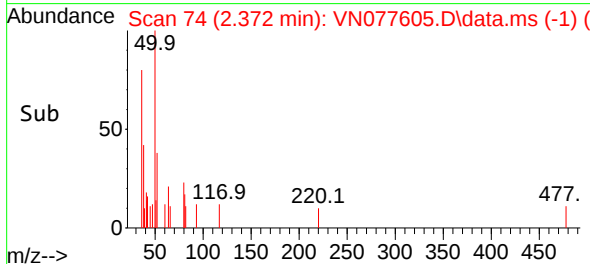
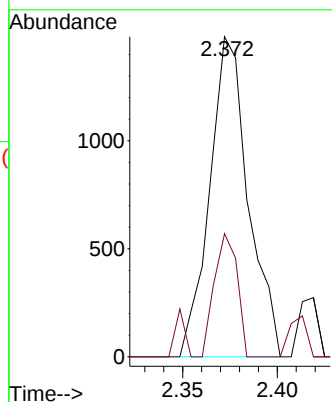
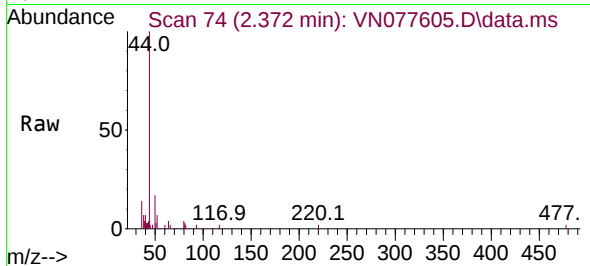




#3
Chloromethane
Concen: 0.311 ug/l
RT: 2.372 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

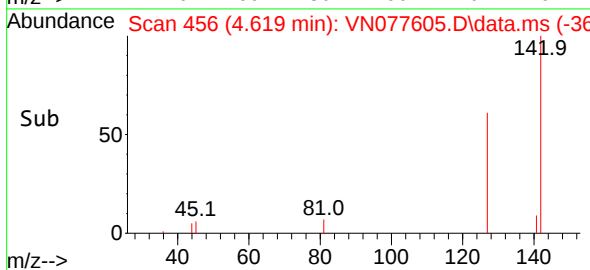
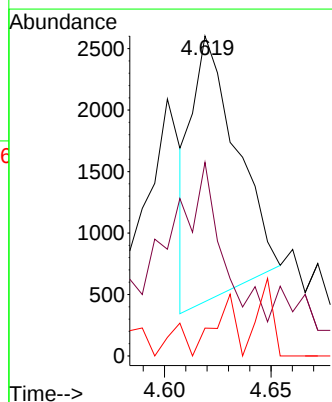
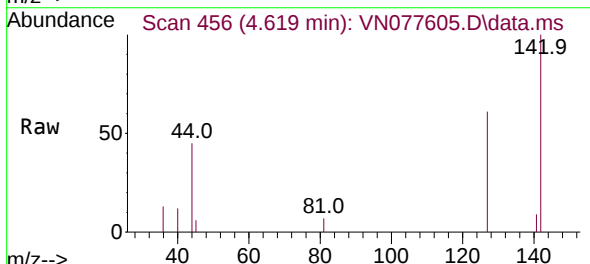
Instrument :
MSVOA_N
ClientSampleId :
IBLK

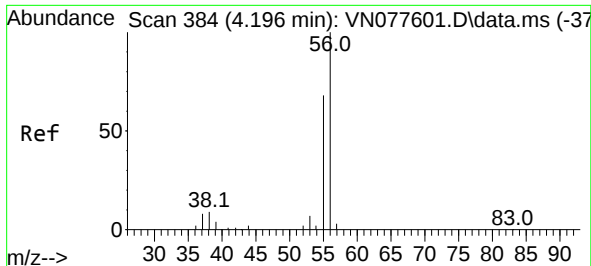
Tgt Ion: 50 Resp: 2102
Ion Ratio Lower Upper
50 100
52 38.5 27.3 40.9



#11
Methyl Iodide
Concen: 0.384 ug/l
RT: 4.619 min Scan# 456
Delta R.T. 0.012 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 142 Resp: 3160
Ion Ratio Lower Upper
142 100
127 46.8 24.6 73.6
141 6.7 6.4 19.2





#13

Acrolein

Concen: 0.437 ug/l

RT: 4.178 min Scan# 381

Delta R.T. -0.018 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

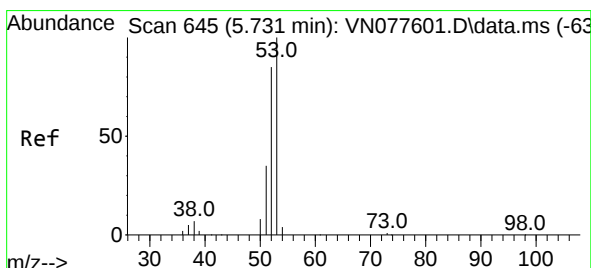
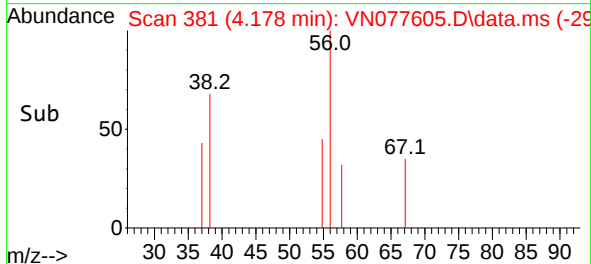
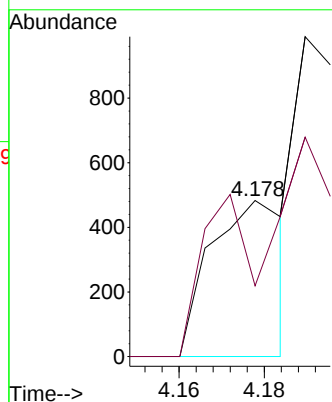
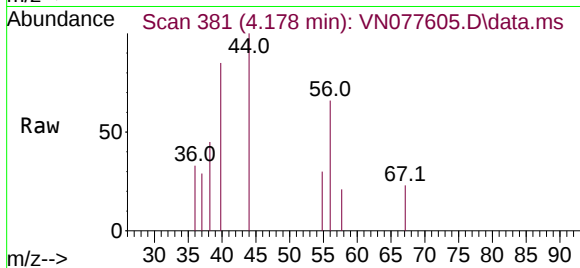
IBLK

Tgt Ion: 56 Resp: 581

Ion Ratio Lower Upper

56 100

55 67.8 54.8 82.2



#14

Acrylonitrile

Concen: 0.613 ug/l

RT: 5.737 min Scan# 646

Delta R.T. 0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

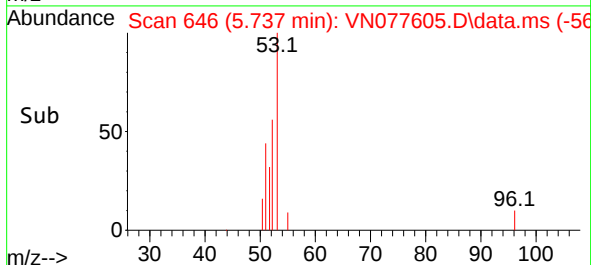
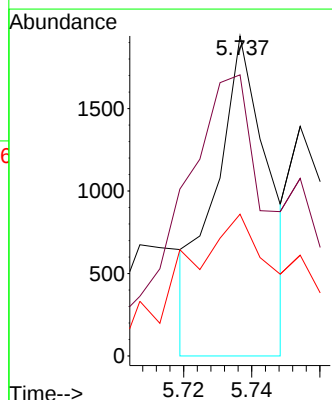
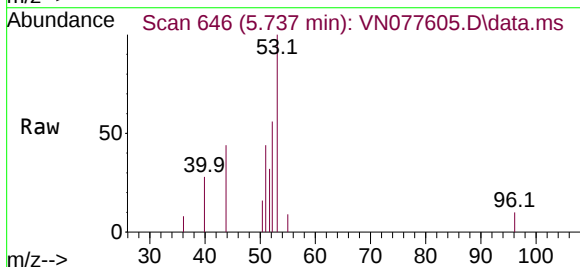
Tgt Ion: 53 Resp: 2112

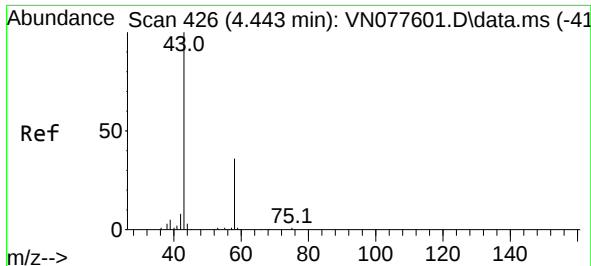
Ion Ratio Lower Upper

53 100

52 141.2 41.6 124.8#

51 19.7 17.6 52.9





#15

Acetone

Concen: 0.395 ug/l

RT: 4.437 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

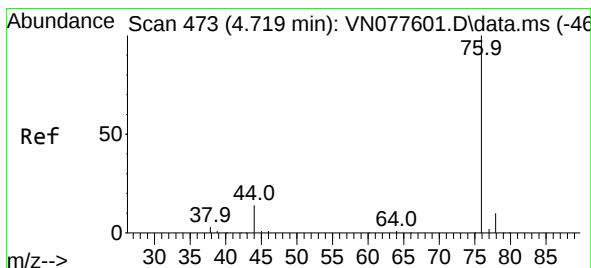
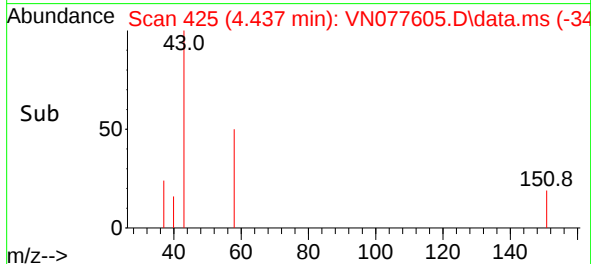
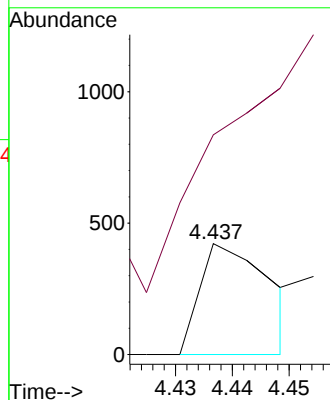
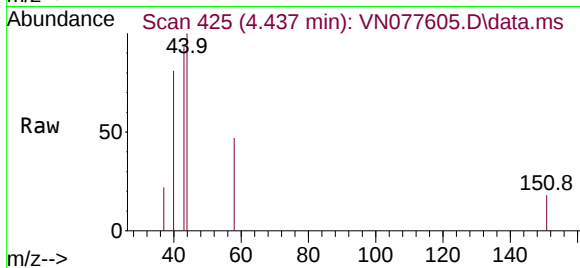
IBLK

Tgt Ion: 58 Resp: 365

Ion Ratio Lower Upper

58 100

43 61.4 223.2 334.8#



#16

Carbon Disulfide

Concen: 0.527 ug/l

RT: 4.719 min Scan# 473

Delta R.T. -0.000 min

Lab File: VN077605.D

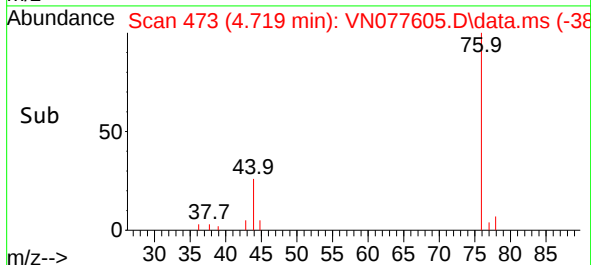
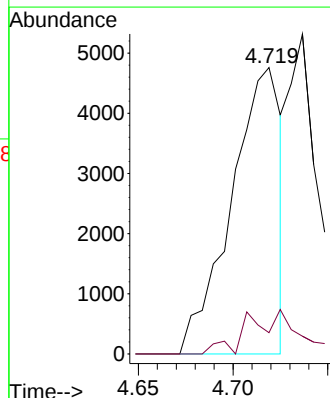
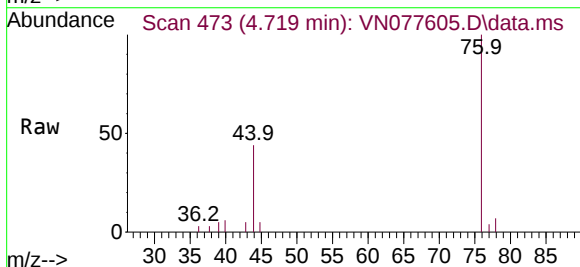
Acq: 05 May 2023 21:19

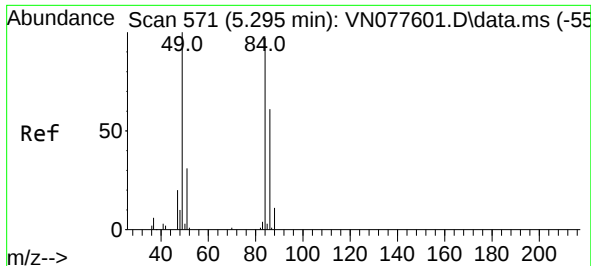
Tgt Ion: 76 Resp: 8691

Ion Ratio Lower Upper

76 100

78 7.4 7.6 11.4#

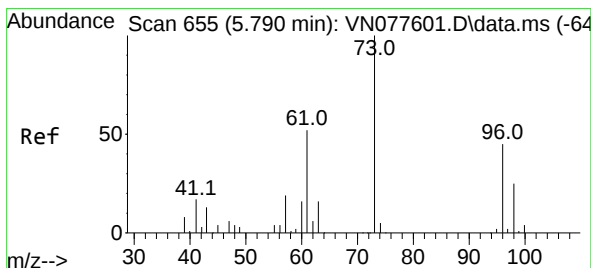
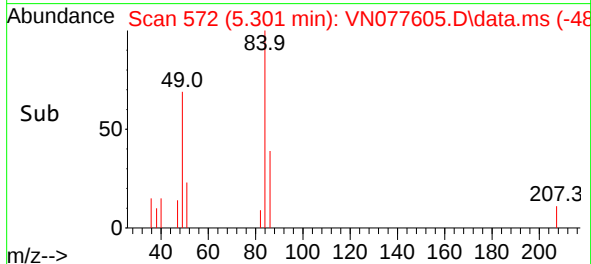
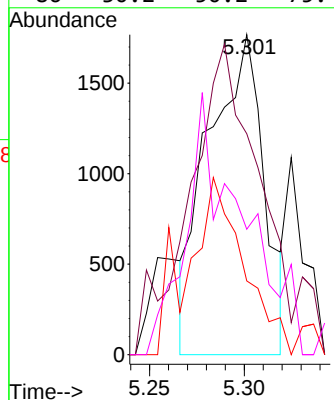
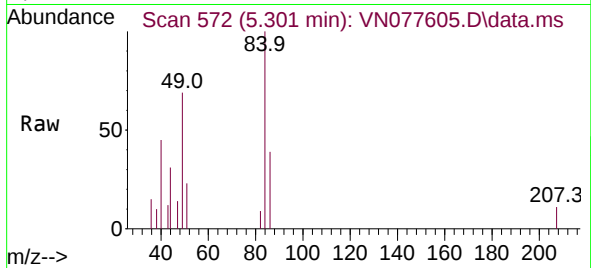




#18
Methylene Chloride
Concen: 0.446 ug/l
RT: 5.301 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

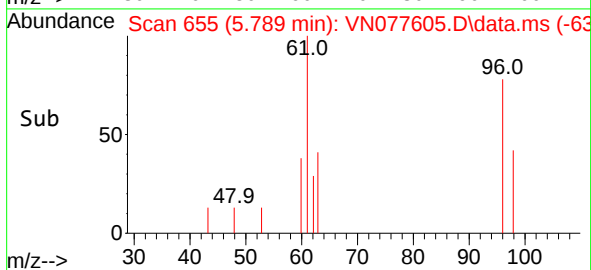
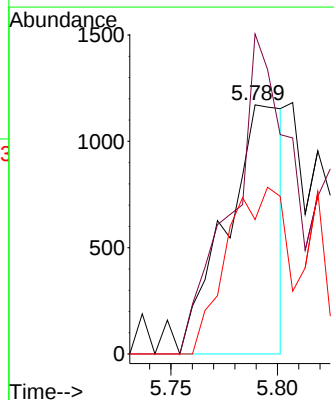
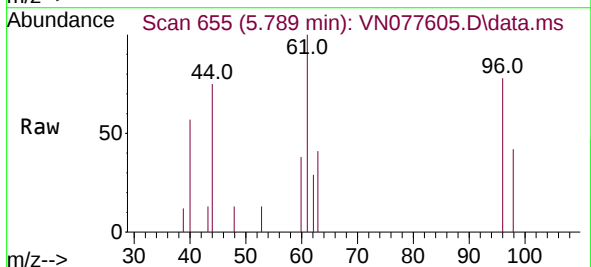
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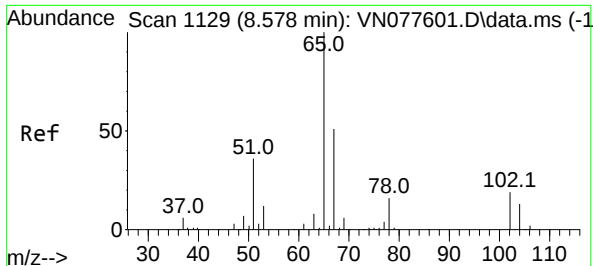
Tgt Ion:	84	Resp:	3617
Ion	Ratio	Lower	Upper
84	100		
49	47.9	82.4	123.6#
51	16.3	25.1	37.7#
86	30.2	50.2	75.4#



#19
trans-1,2-Dichloroethene
Concen: 0.290 ug/l
RT: 5.789 min Scan# 655
Delta R.T. -0.001 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion:	96	Resp:	2144
Ion	Ratio	Lower	Upper
96	100		
61	128.4	92.4	138.6
98	53.9	44.8	67.2





#27

1,2-Dichloroethane-d4

Concen: 28.923 ug/l

RT: 8.583 min Scan# 1129

Delta R.T. 0.005 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

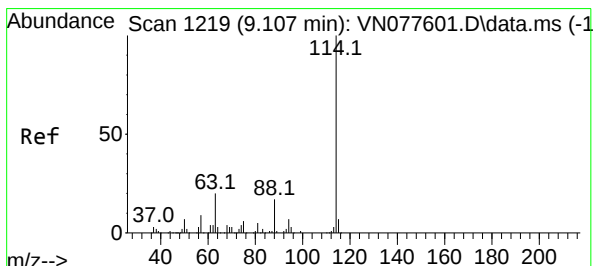
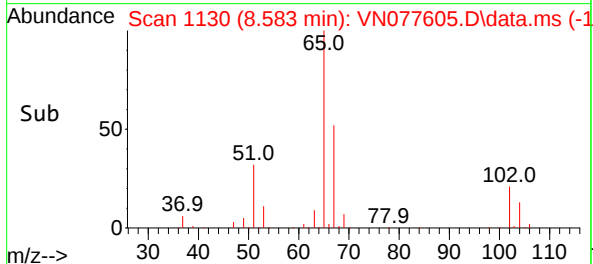
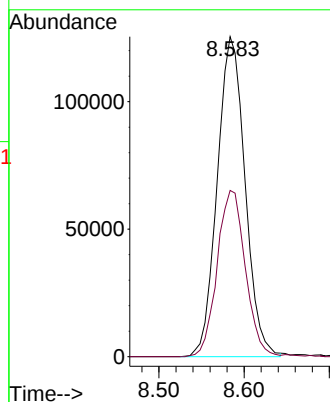
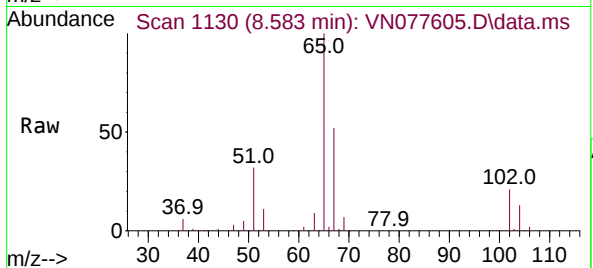
IBLK

Tgt Ion: 65 Resp: 285052

Ion Ratio Lower Upper

65 100

67 52.5 41.3 61.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

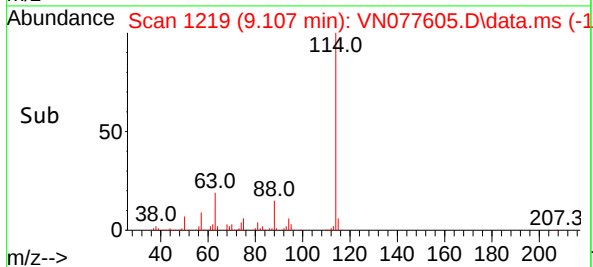
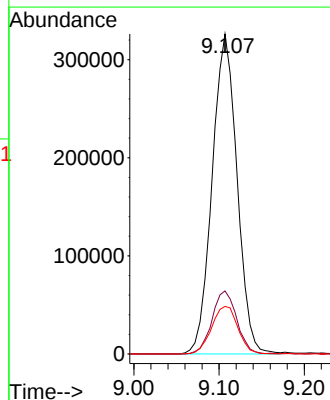
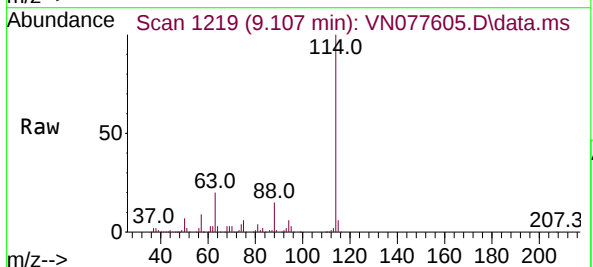
Tgt Ion: 114 Resp: 661816

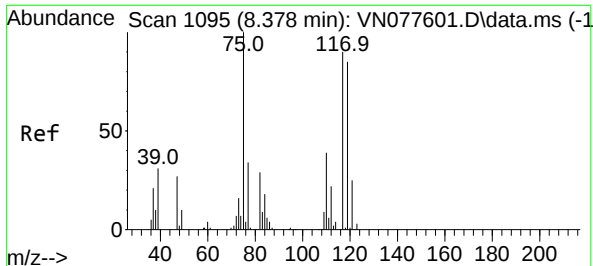
Ion Ratio Lower Upper

114 100

63 19.5 15.8 23.6

88 15.8 13.0 19.4





#29

1,1-Dichloropropene

Concen: 0.318 ug/l

RT: 8.383 min Scan# 1095

Delta R.T. 0.005 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

IBLK

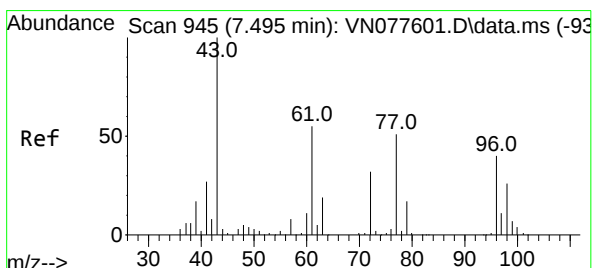
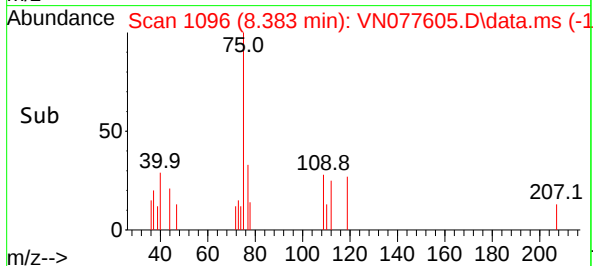
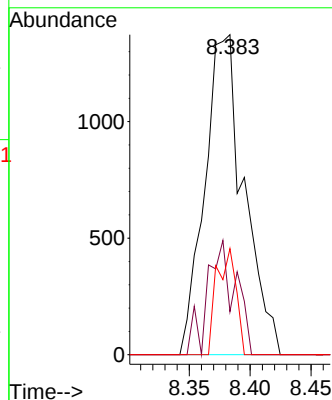
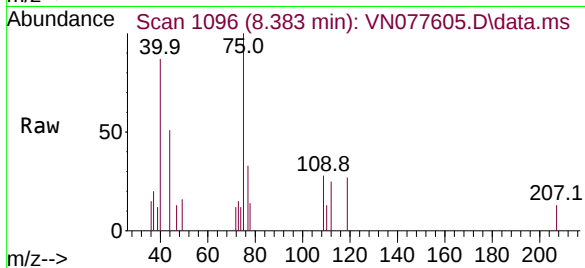
Tgt Ion: 75 Resp: 3087

Ion Ratio Lower Upper

75 100

110 6.7 0.0 69.8

77 16.3 0.0 61.4



#30

2-Butanone

Concen: 0.622 ug/l

RT: 7.507 min Scan# 947

Delta R.T. 0.012 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

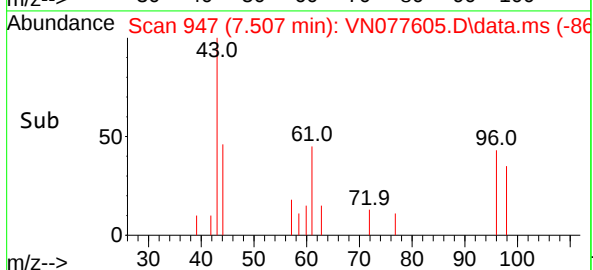
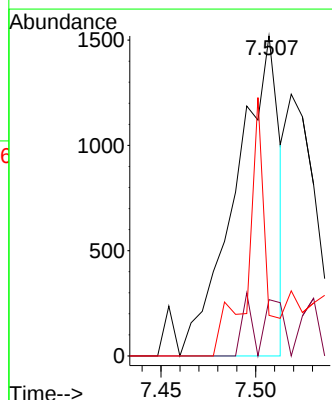
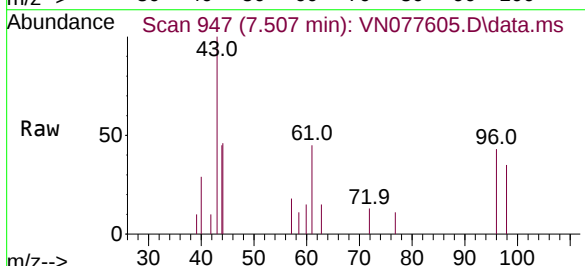
Tgt Ion: 43 Resp: 2442

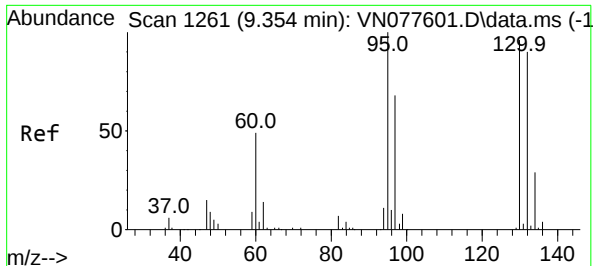
Ion Ratio Lower Upper

43 100

57 7.5 7.2 10.8

72 26.0 26.2 39.2#





#37

Trichloroethene

Concen: 0.265 ug/l

RT: 9.366 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

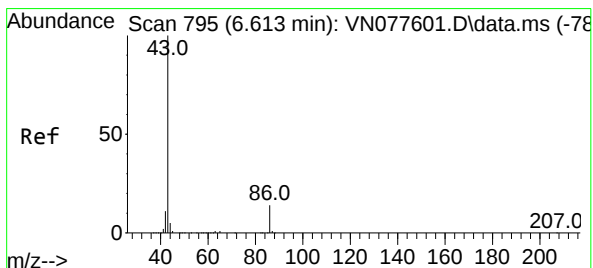
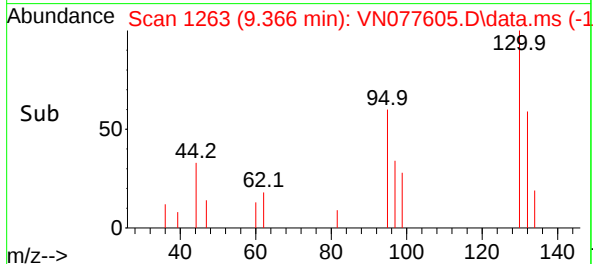
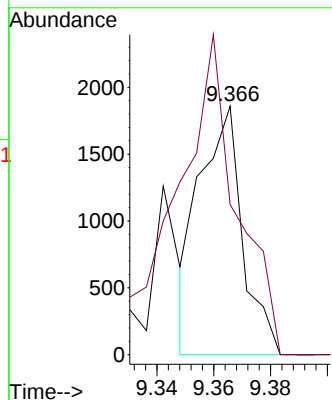
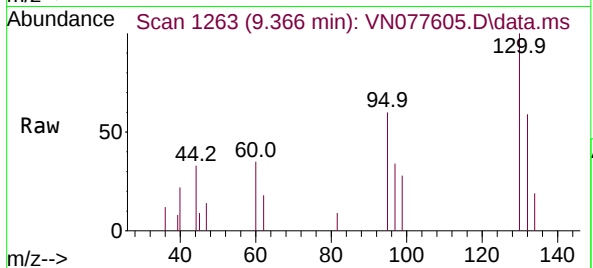
IBLK

Tgt Ion:130 Resp: 1938

Ion Ratio Lower Upper

130 100

95 60.5 83.0 124.6#



#42

Vinyl Acetate

Concen: 0.251 ug/l

RT: 6.631 min Scan# 798

Delta R.T. 0.018 min

Lab File: VN077605.D

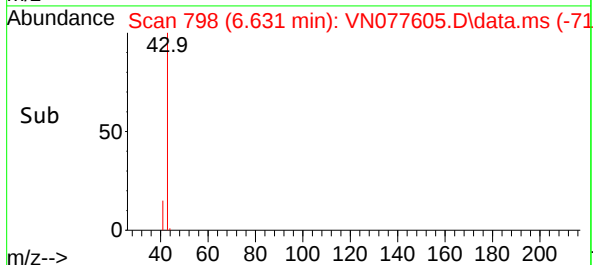
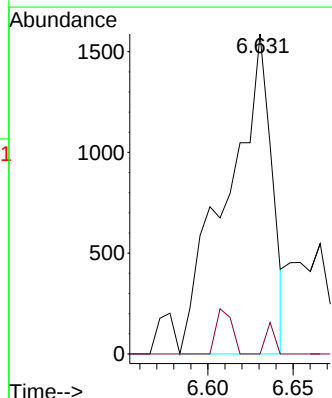
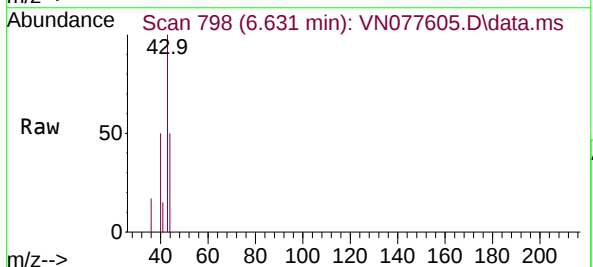
Acq: 05 May 2023 21:19

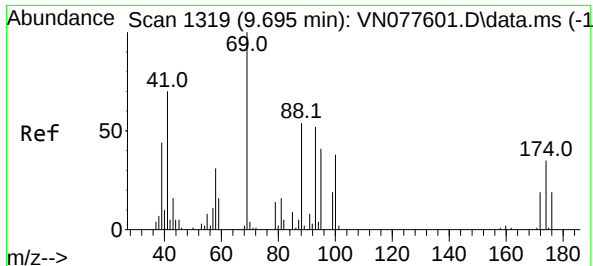
Tgt Ion: 43 Resp: 2879

Ion Ratio Lower Upper

43 100

86 5.0 10.3 15.5#





#45

1,4-Dioxane

Concen: 0.861 ug/l

RT: 9.701 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

IBLK

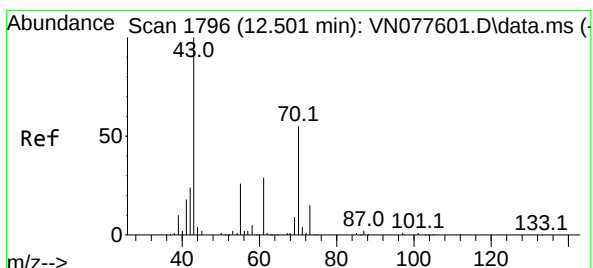
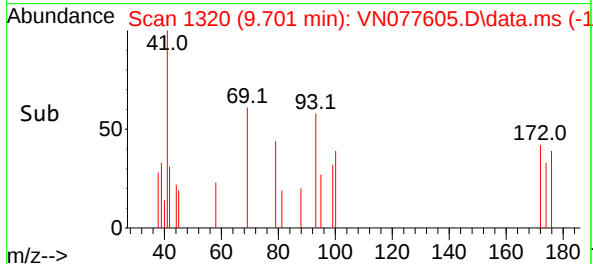
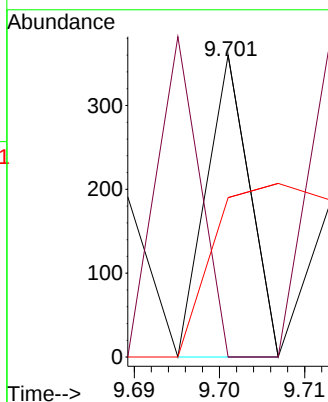
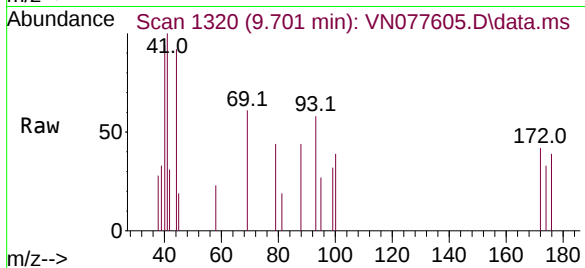
Tgt Ion: 88 Resp: 127

Ion Ratio Lower Upper

88 100

43 0.0 18.2 27.2#

58 163.0 47.5 71.3#



#47

n-amy1 Acetate

Concen: 0.574 ug/l

RT: 12.501 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VN077605.D

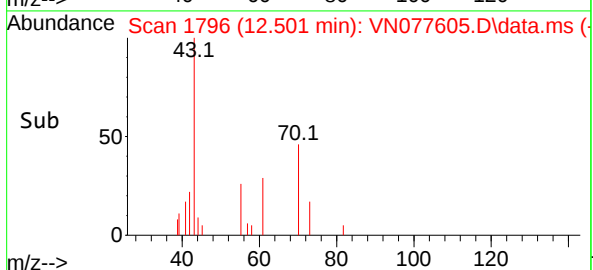
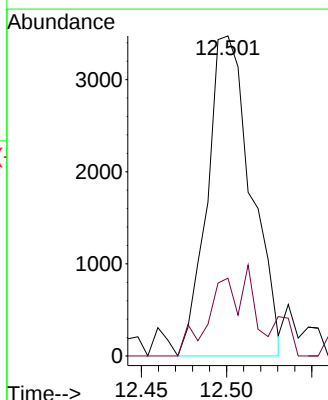
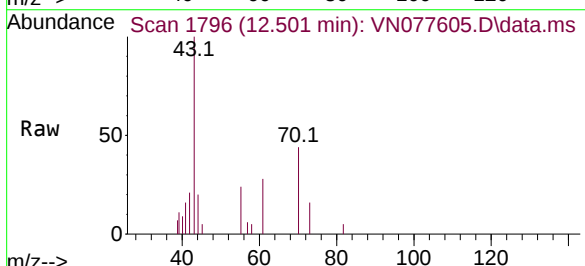
Acq: 05 May 2023 21:19

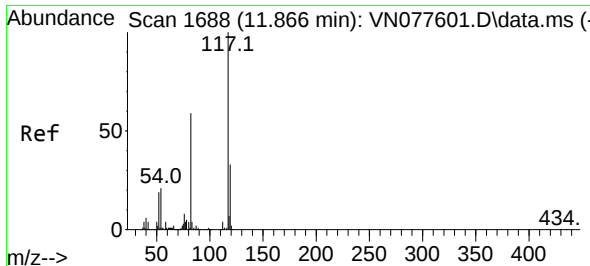
Tgt Ion: 43 Resp: 6240

Ion Ratio Lower Upper

43 100

55 13.7 21.4 32.0#

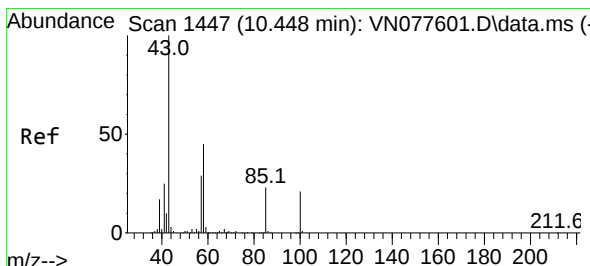
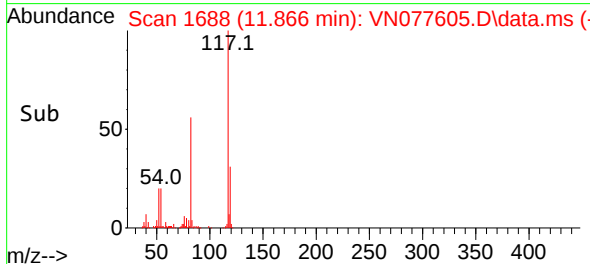
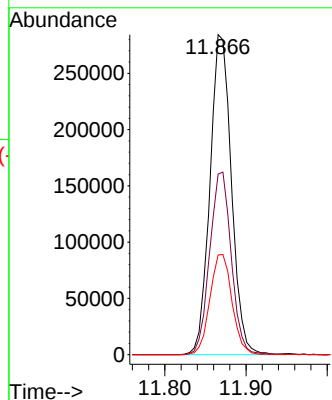
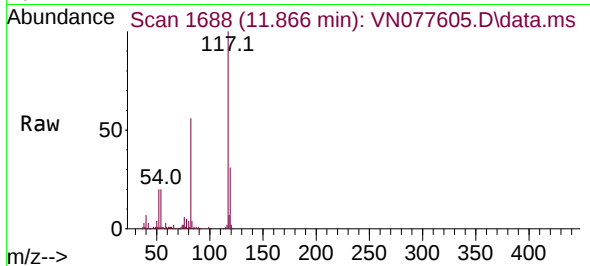




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

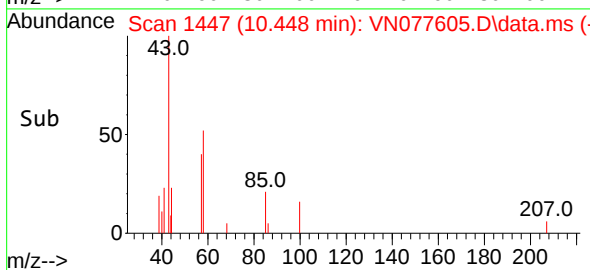
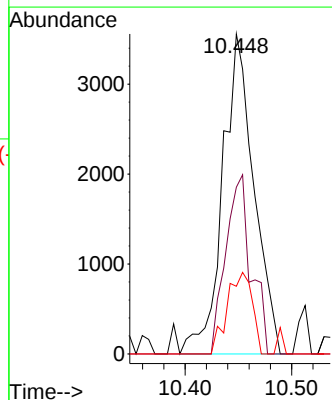
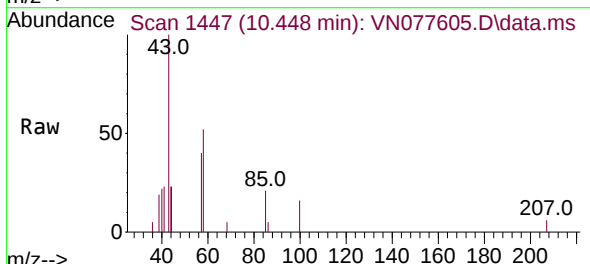
Instrument :
MSVOA_N
ClientSampleId :
IBLK

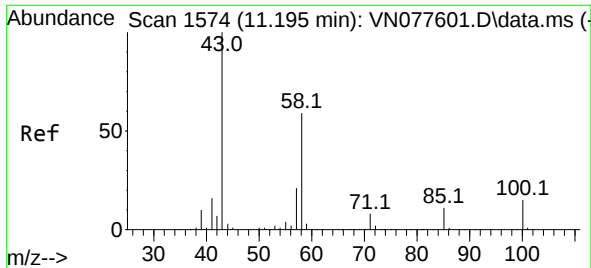
Tgt Ion:117 Resp: 522584
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.2 26.6 39.8



#58
4-Methyl-2-Pentanone
Concen: 0.998 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 43 Resp: 7274
Ion Ratio Lower Upper
43 100
58 37.4 35.4 53.2
85 20.4 18.2 27.2

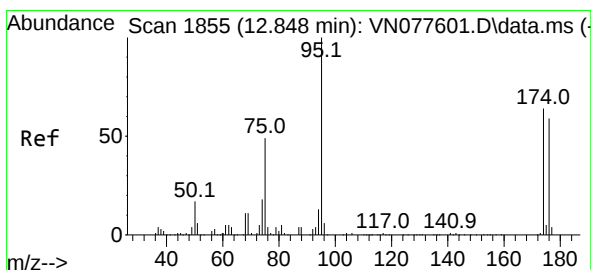
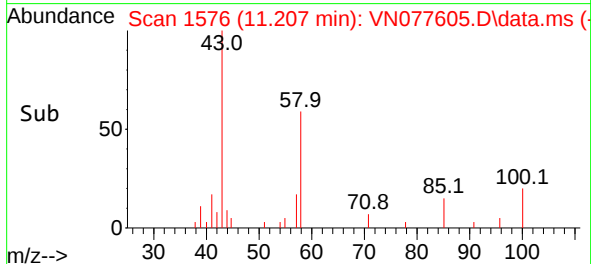
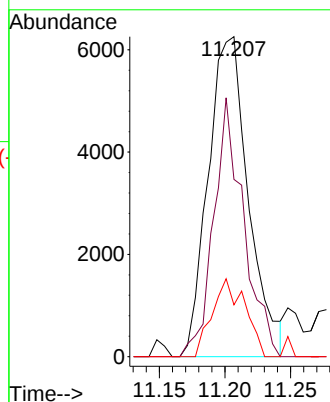
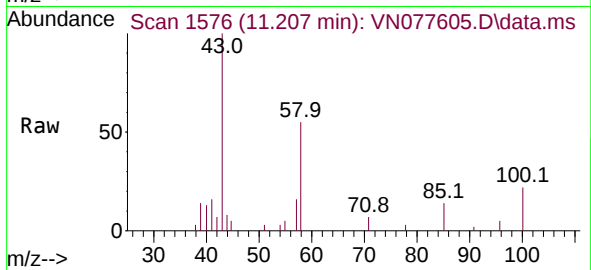




#59
2-Hexanone
Concen: 2.543 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

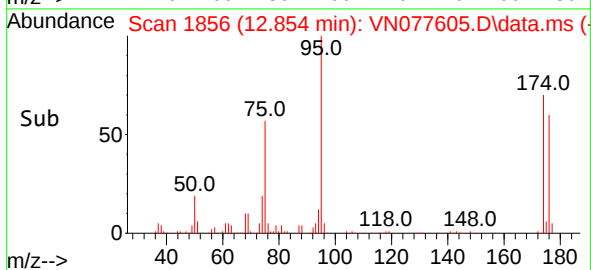
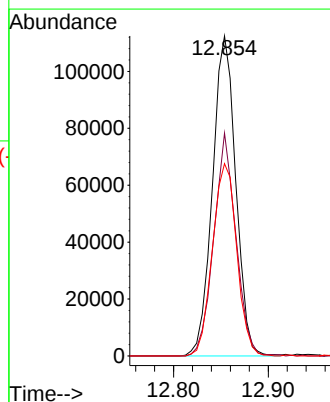
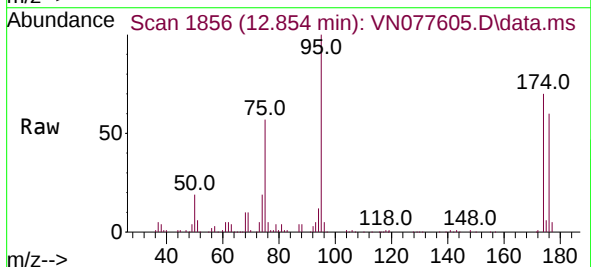
Instrument :
MSVOA_N
ClientSampleId :
IBLK

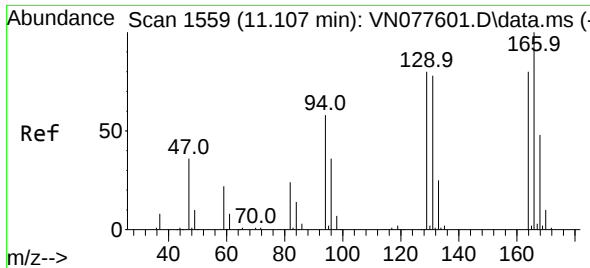
Tgt Ion: 43 Resp: 13383
Ion Ratio Lower Upper
43 100
58 60.0 48.2 72.2
57 19.7 17.3 25.9



#60
4-Bromofluorobenzene
Concen: 23.183 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 95 Resp: 192263
Ion Ratio Lower Upper
95 100
174 65.9 53.4 80.0
176 62.6 50.0 75.0

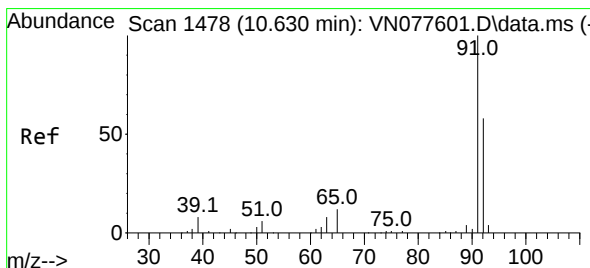
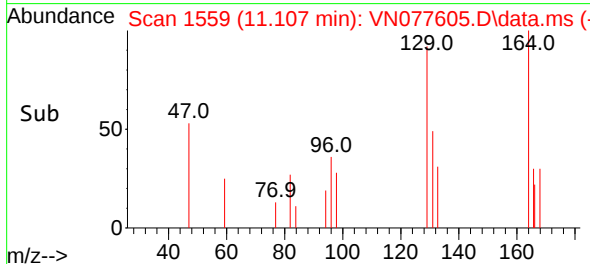
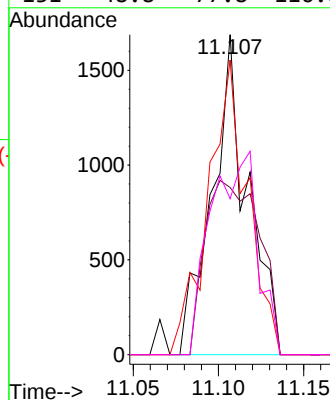
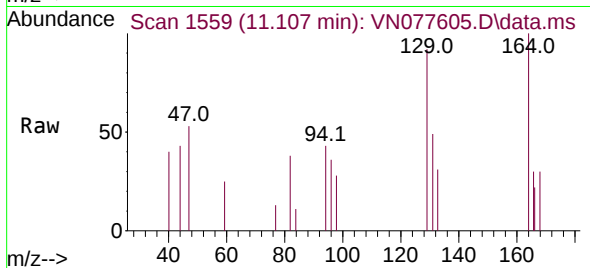




#61
Tetrachloroethene
Concen: 0.511 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

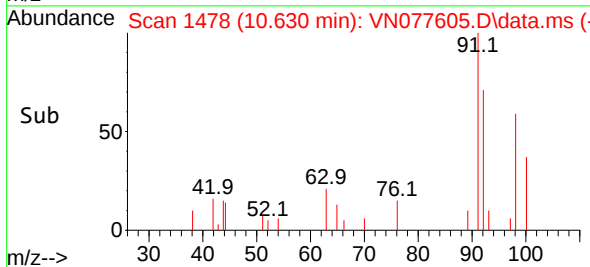
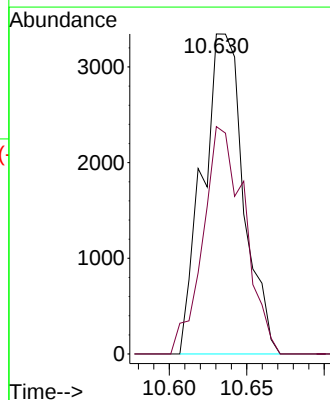
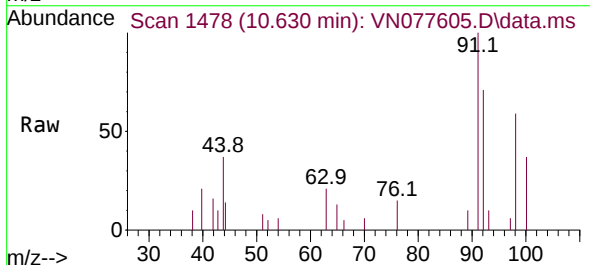
Instrument :
MSVOA_N
ClientSampleId :
IBLK

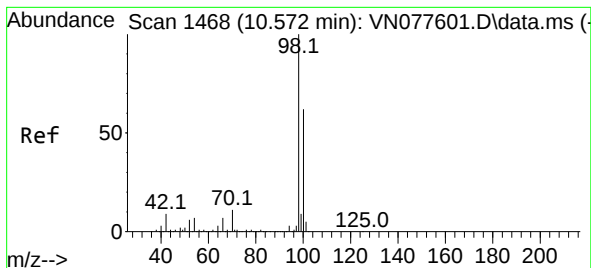
Tgt Ion:164 Resp: 2469
Ion Ratio Lower Upper
164 100
166 52.3 100.5 150.7#
129 92.1 80.6 120.8
131 48.8 77.8 116.8#



#62
Toluene
Concen: 0.210 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 91 Resp: 6176
Ion Ratio Lower Upper
91 100
92 72.1 47.0 70.6#





#63

Toluene-d8

Concen: 31.626 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

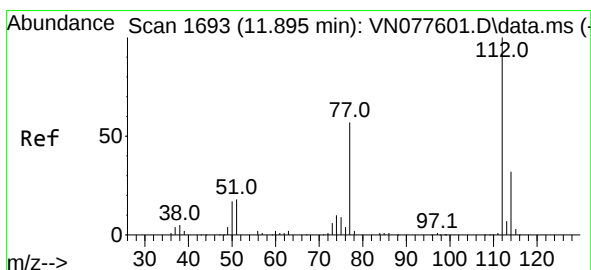
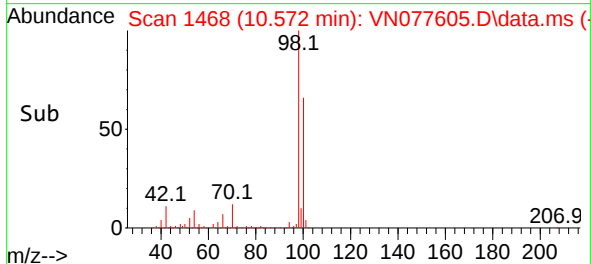
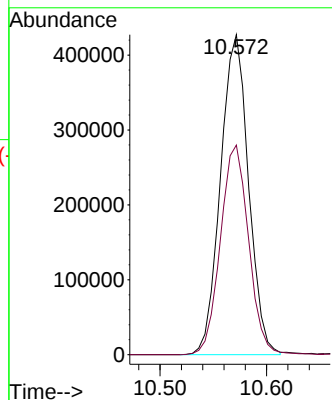
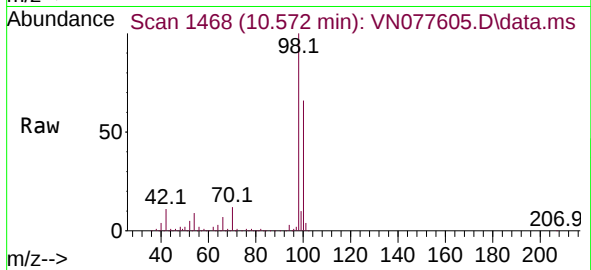
IBLK

Tgt Ion: 98 Resp: 779030

Ion Ratio Lower Upper

98 100

100 66.2 52.1 78.1



#64

Chlorobenzene

Concen: 0.455 ug/l

RT: 11.901 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VN077605.D

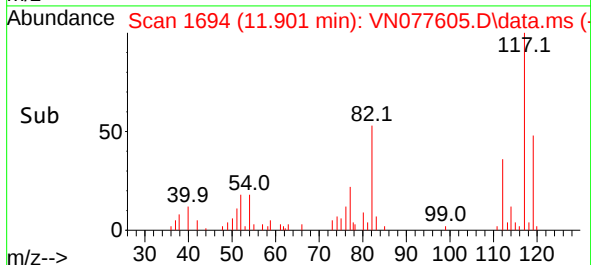
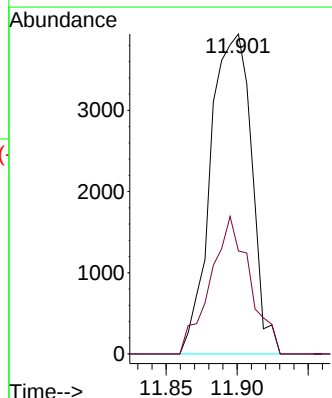
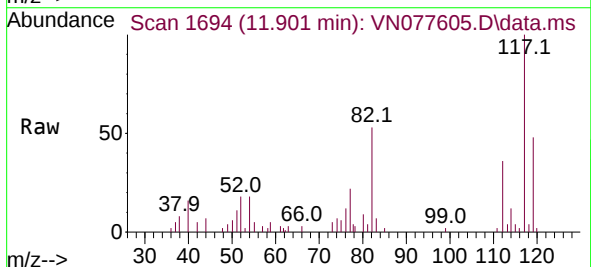
Acq: 05 May 2023 21:19

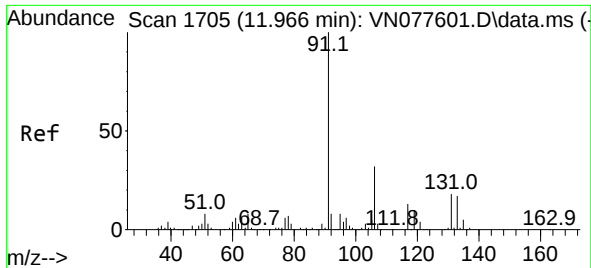
Tgt Ion: 112 Resp: 7929

Ion Ratio Lower Upper

112 100

114 32.2 25.8 38.8

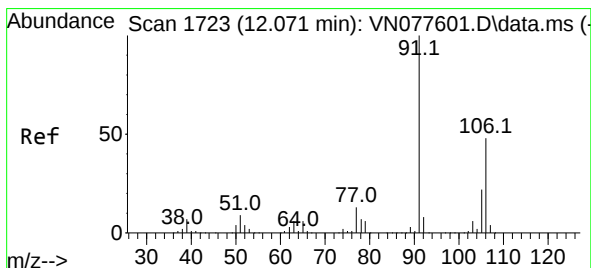
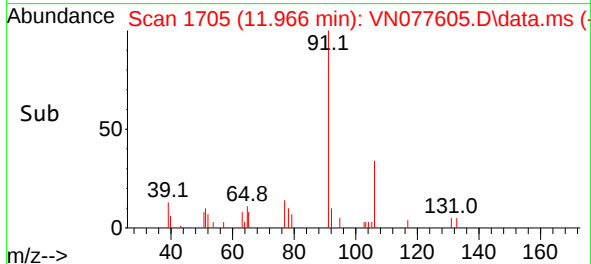
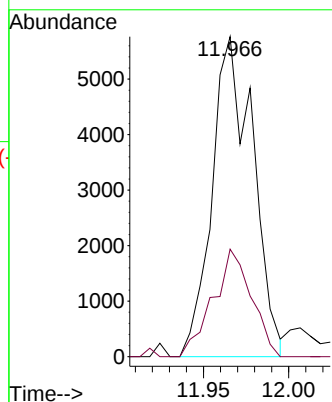
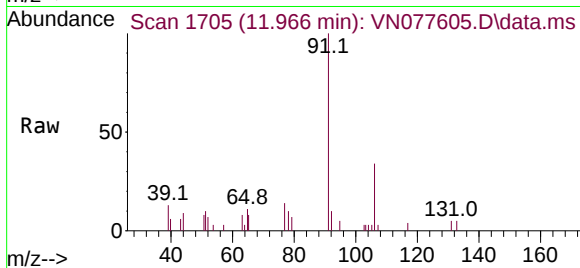




#66
Ethyl Benzene
Concen: 0.302 ug/l
RT: 11.966 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

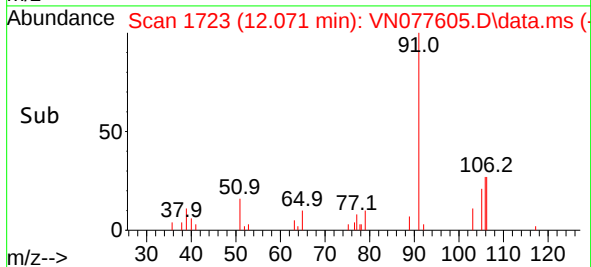
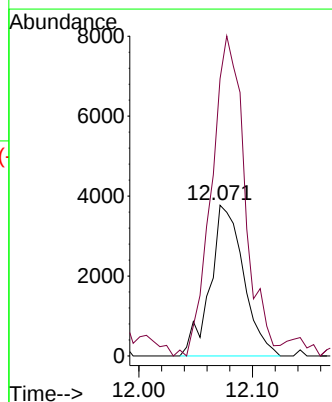
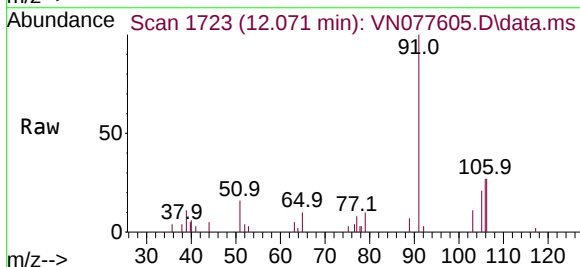
Instrument :
MSVOA_N
ClientSampleId :
IBLK

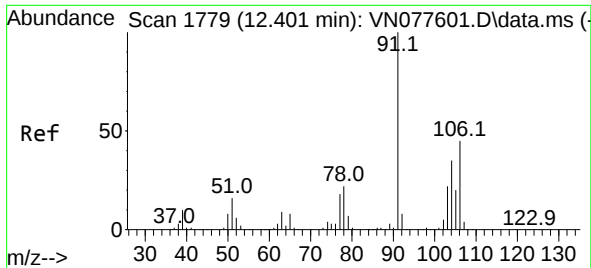
Tgt Ion: 91 Resp: 9583
Ion Ratio Lower Upper
91 100
106 33.6 25.7 38.5



#67
m/p-Xylenes
Concen: 0.634 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 106 Resp: 7686
Ion Ratio Lower Upper
106 100
91 211.8 162.6 244.0

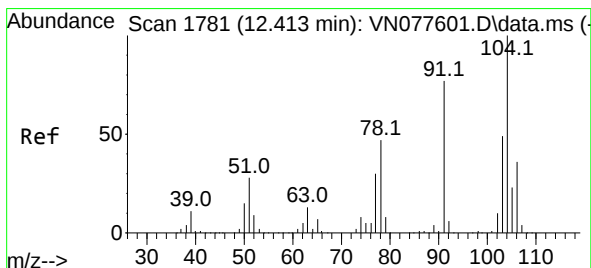
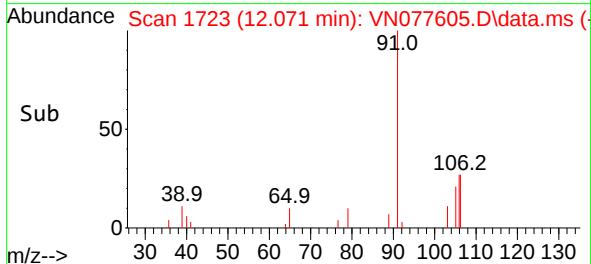
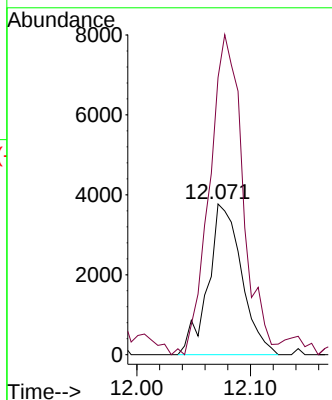
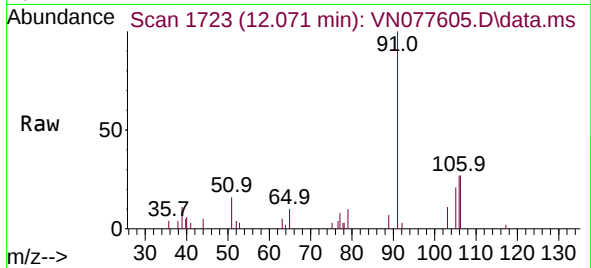




#68
o-Xylene
Concen: 0.637 ug/l
RT: 12.071 min Scan# 1779
Delta R.T. -0.330 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

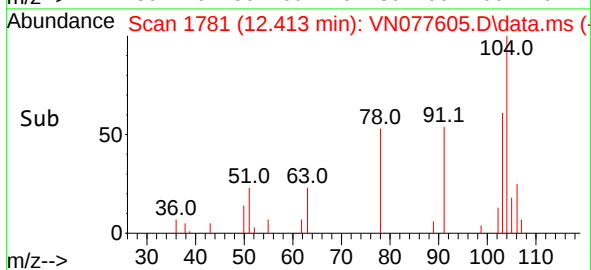
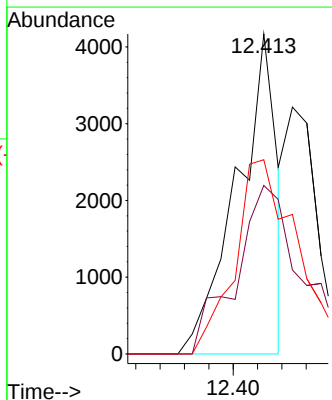
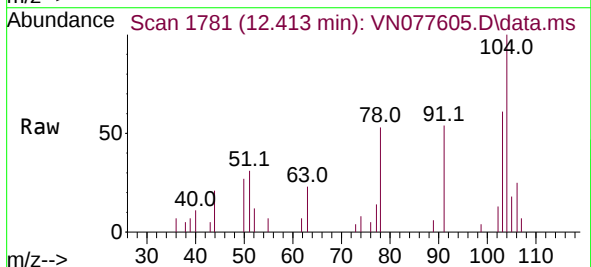
Instrument :
MSVOA_N
ClientSampleId :
IBLK

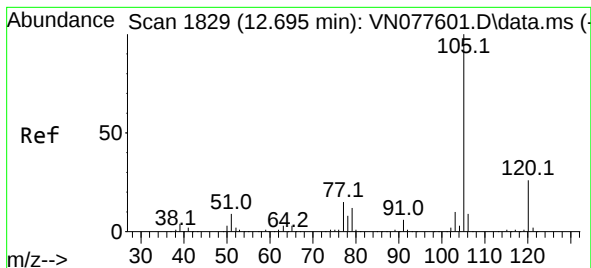
Tgt Ion:106 Resp: 7686
Ion Ratio Lower Upper
106 100
91 211.8 109.5 328.4



#69
Styrene
Concen: 0.251 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion:104 Resp: 4771
Ion Ratio Lower Upper
104 100
78 39.2 41.3 61.9#
103 92.9 44.0 66.0#





#70

Isopropylbenzene

Concen: 0.242 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

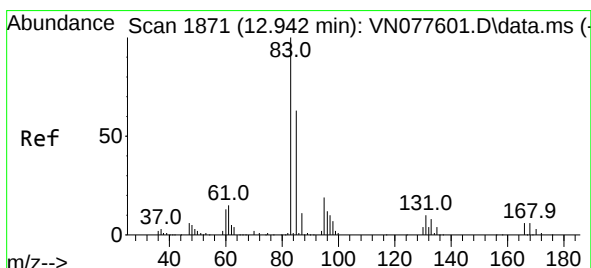
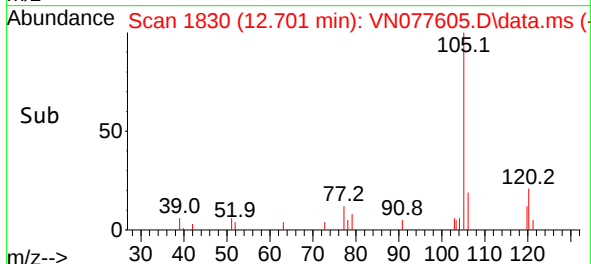
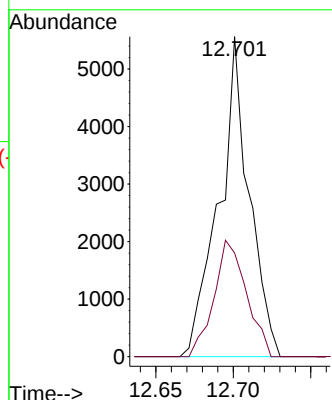
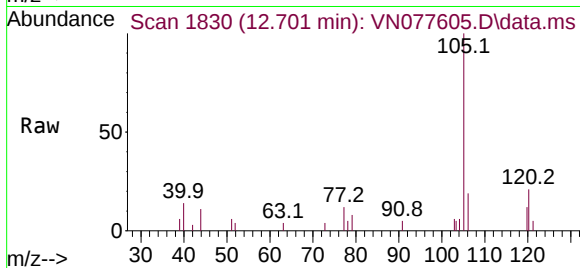
IBLK

Tgt Ion:105 Resp: 7523

Ion Ratio Lower Upper

105 100

120 39.1 18.5 34.3#



#71

1,1,2,2-Tetrachloroethane

Concen: 0.282 ug/l

RT: 12.948 min Scan# 1872

Delta R.T. 0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

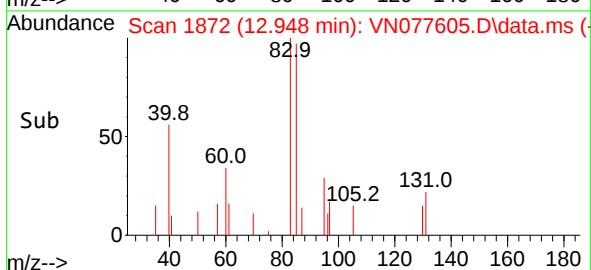
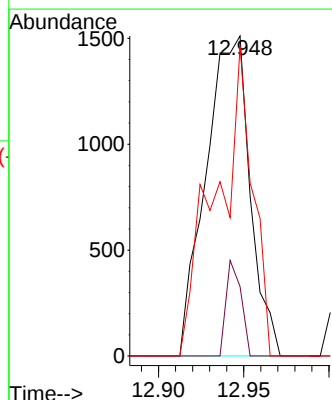
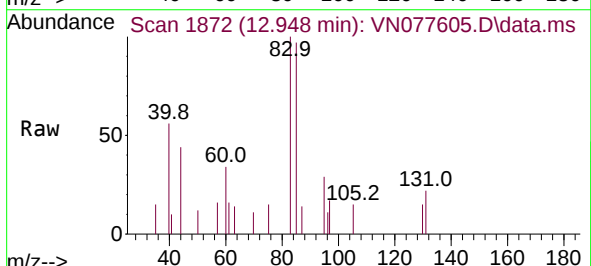
Tgt Ion: 83 Resp: 2720

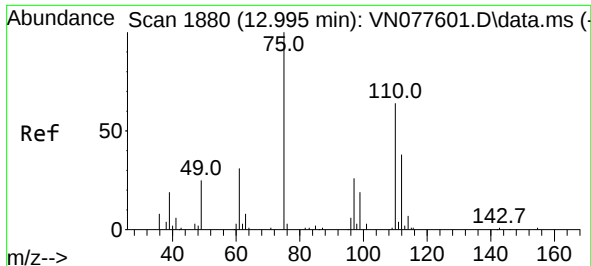
Ion Ratio Lower Upper

83 100

131 10.1 4.8 14.3

85 38.0 33.4 100.2

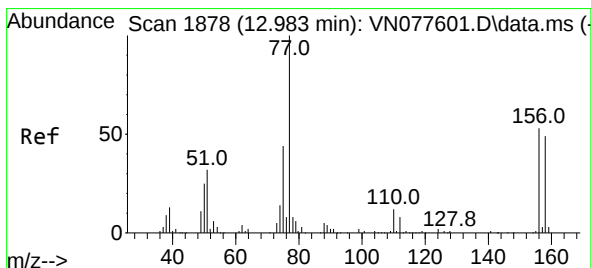
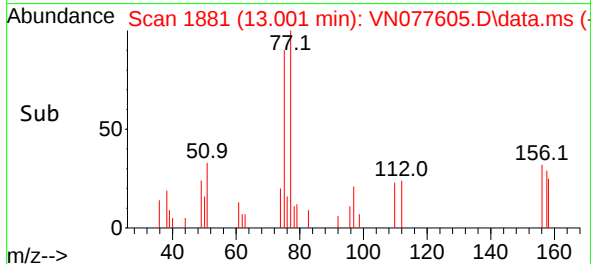
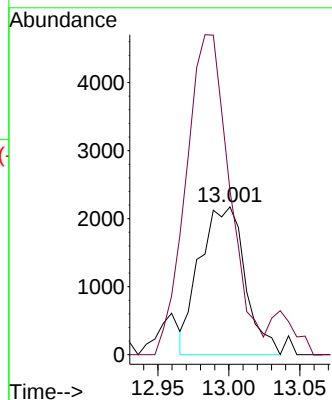
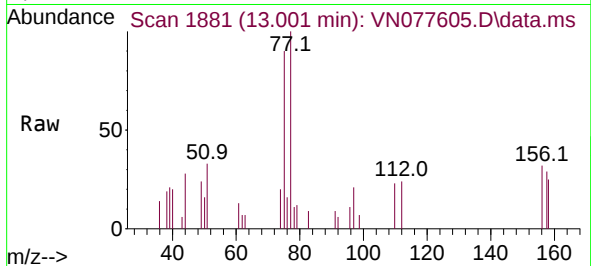




#72
1,2,3-Trichloropropane
Concen: 0.579 ug/l
RT: 13.001 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

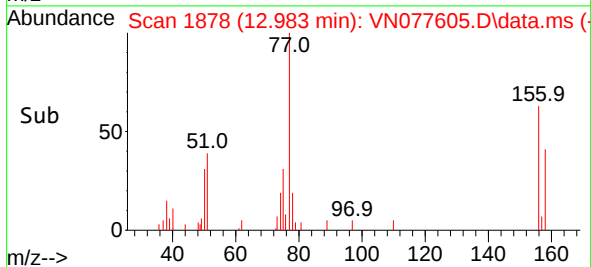
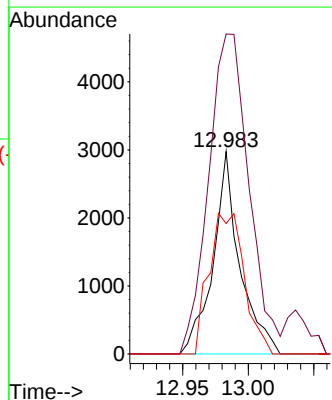
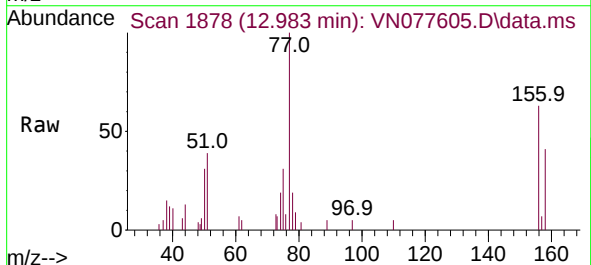
Instrument :
MSVOA_N
ClientSampleId :
IBLK

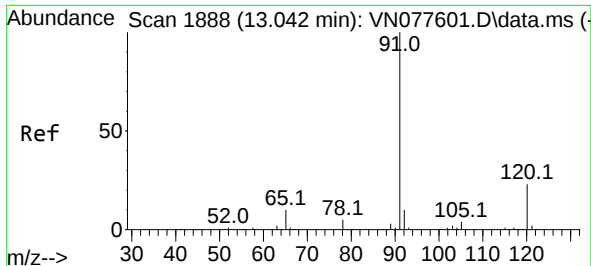
Tgt Ion: 75 Resp: 4809
Ion Ratio Lower Upper
75 100
77 209.1 0.0 354.6



#73
Bromobenzene
Concen: 0.656 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 156 Resp: 4202
Ion Ratio Lower Upper
156 100
77 239.3 0.0 466.4
158 92.1 0.0 196.2

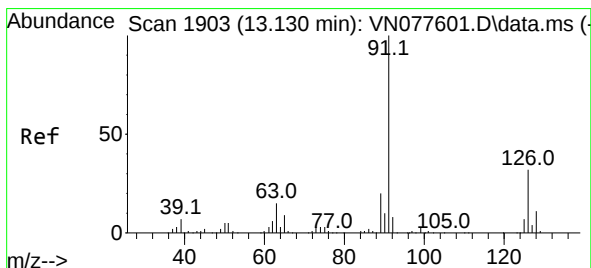
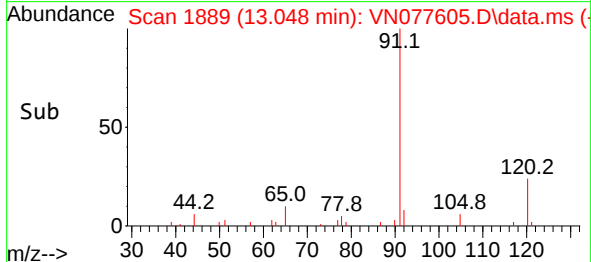
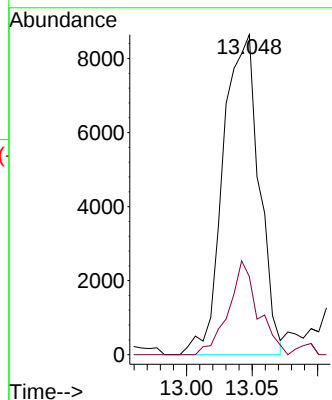
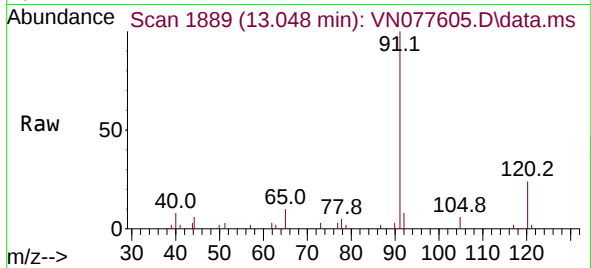




#74
n-propylbenzene
Concen: 0.481 ug/l
RT: 13.048 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

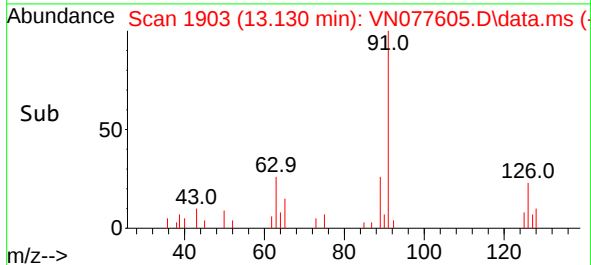
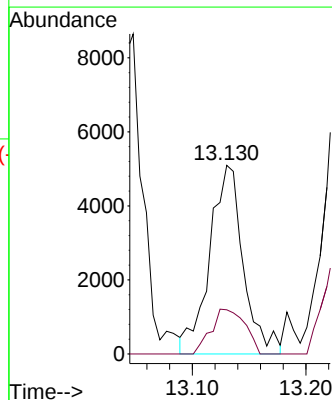
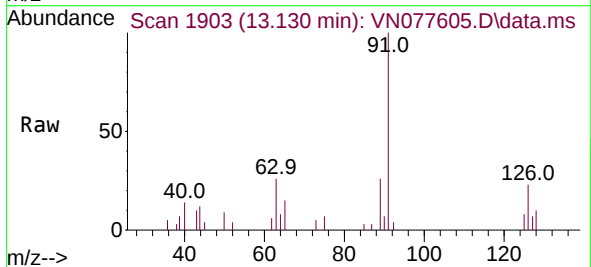
Instrument :
MSVOA_N
ClientSampleId :
IBLK

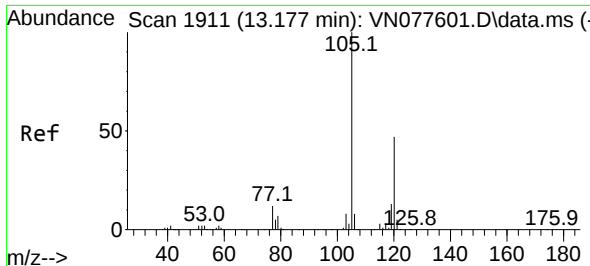
Tgt Ion: 91 Resp: 16556
Ion Ratio Lower Upper
91 100
120 23.9 0.0 45.6



#75
2-Chlorotoluene
Concen: 0.489 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 91 Resp: 10491
Ion Ratio Lower Upper
91 100
126 23.9 0.0 65.0

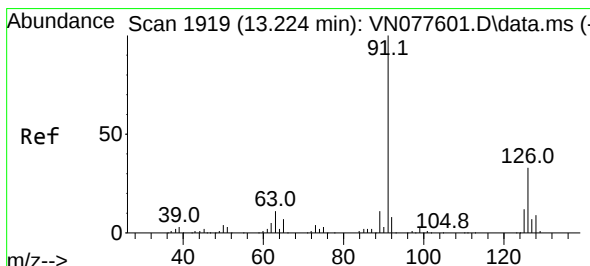
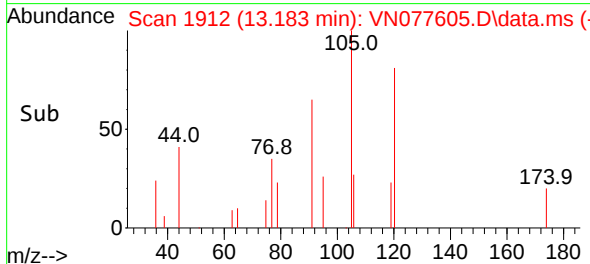
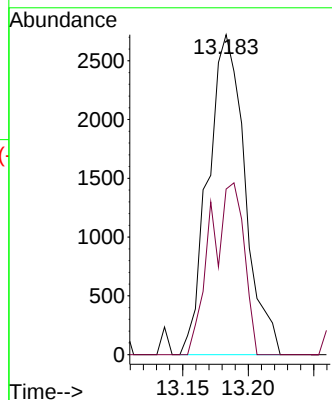
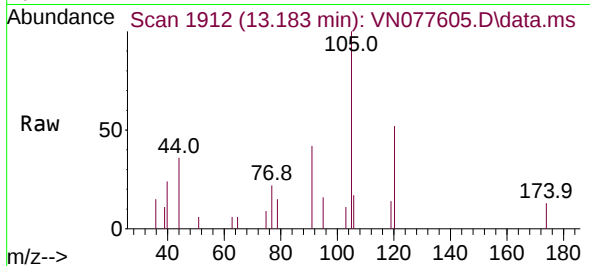




#76
1,3,5-Trimethylbenzene
Concen: 0.222 ug/l
RT: 13.183 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

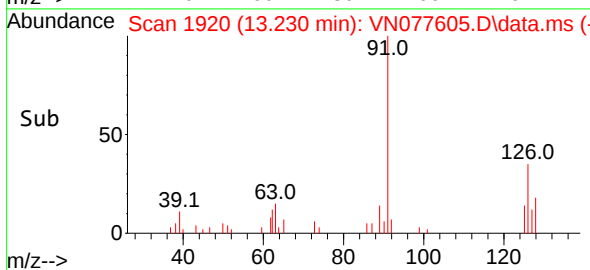
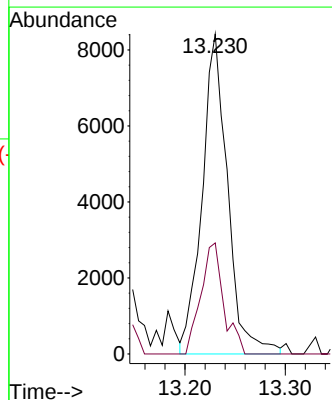
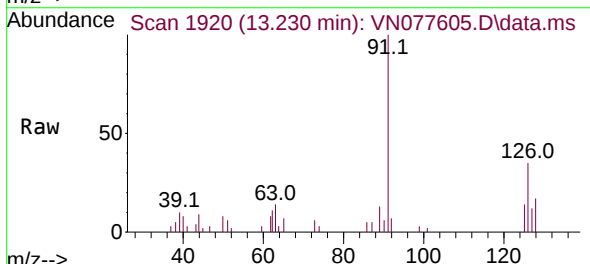
Instrument :
MSVOA_N
ClientSampleId :
IBLK

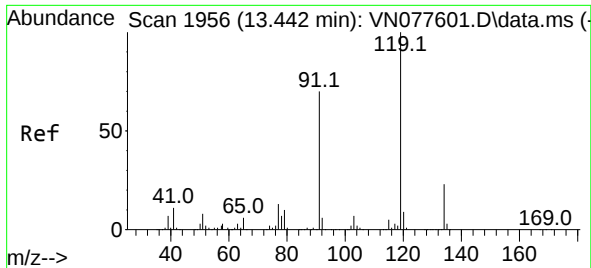
Tgt Ion:105 Resp: 5326
Ion Ratio Lower Upper
105 100
120 29.9 0.0 95.2



#78
4-Chlorotoluene
Concen: 0.735 ug/l
RT: 13.230 min Scan# 1920
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 91 Resp: 14898
Ion Ratio Lower Upper
91 100
126 27.9 0.0 64.6

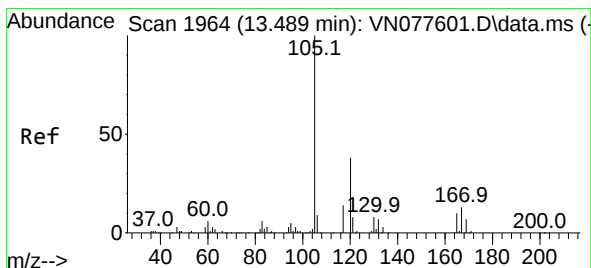
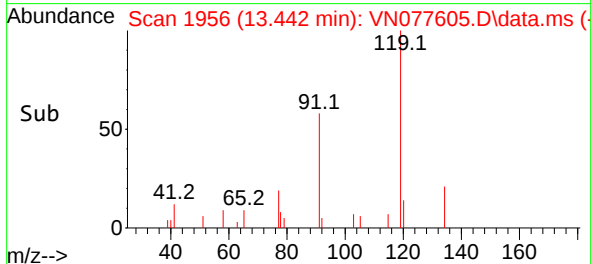
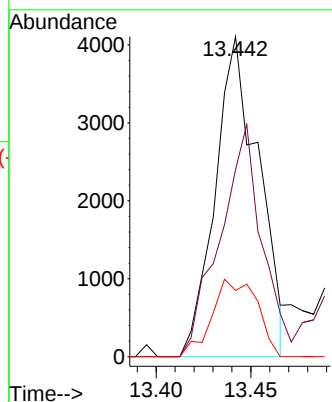
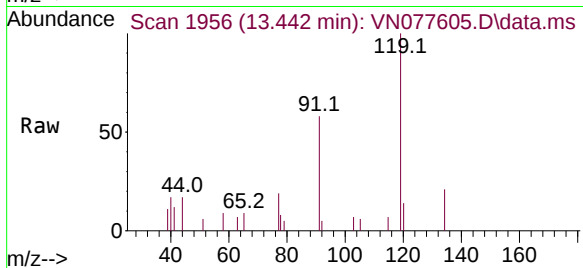




#79
tert-butylbenzene
Concen: 0.296 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

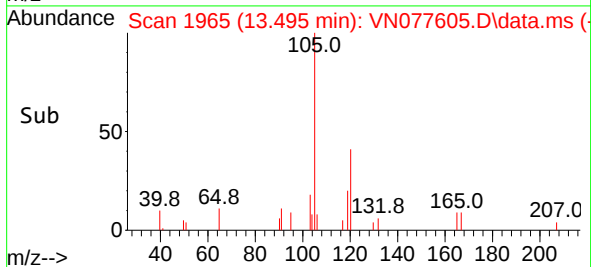
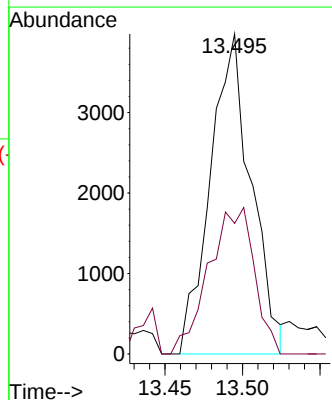
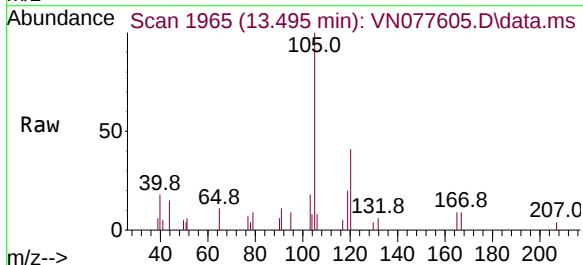
Instrument :
MSVOA_N
ClientSampleId :
IBLK

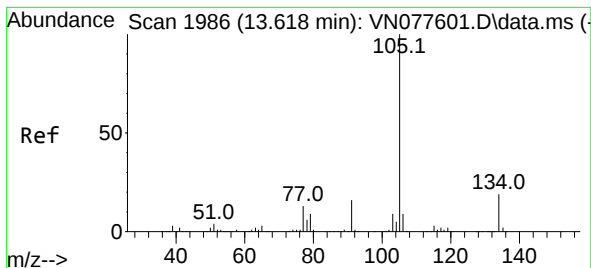
Tgt Ion:119 Resp: 6540
Ion Ratio Lower Upper
119 100
91 70.4 0.0 141.6
134 25.1 0.0 46.6



#80
1,2,4-Trimethylbenzene
Concen: 0.326 ug/l
RT: 13.495 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion:105 Resp: 7295
Ion Ratio Lower Upper
105 100
120 50.8 0.0 88.0





#81

sec-Butylbenzene

Concen: 0.404 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

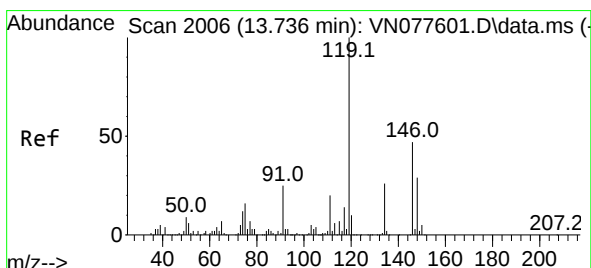
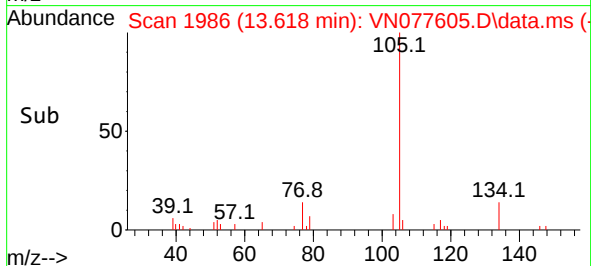
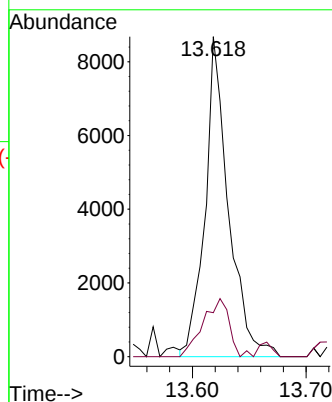
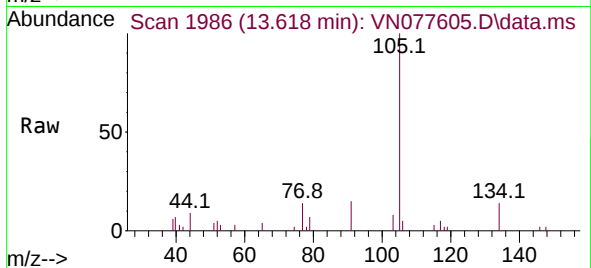
IBLK

Tgt Ion:105 Resp: 12408

Ion Ratio Lower Upper

105 100

134 20.1 0.0 37.8



#82

p-Isopropyltoluene

Concen: 0.409 ug/l

RT: 13.736 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

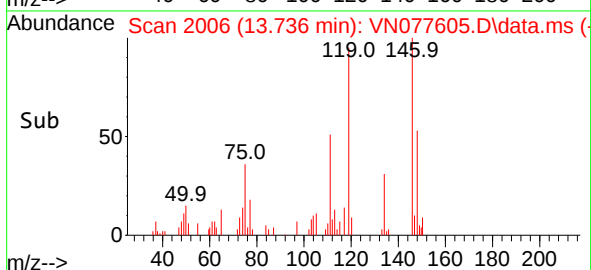
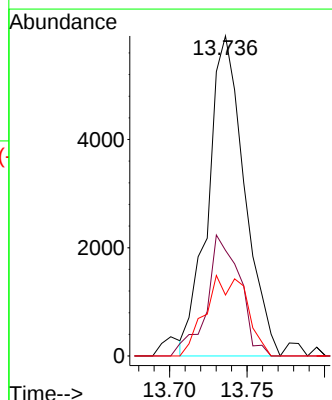
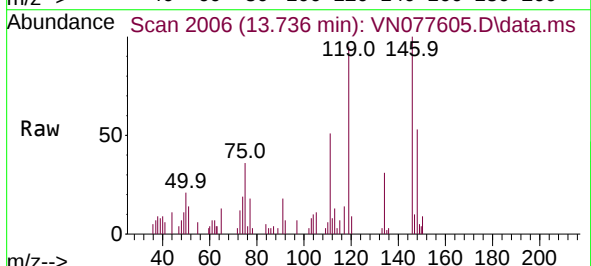
Tgt Ion:119 Resp: 9667

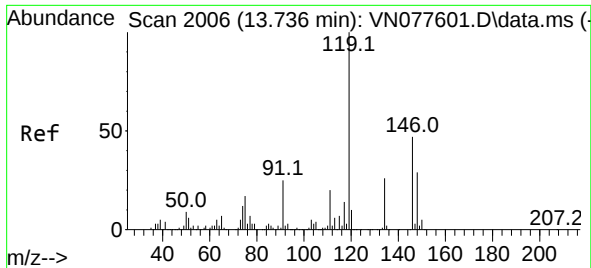
Ion Ratio Lower Upper

119 100

134 0.0 0.0 52.2

91 12.7 0.0 51.2

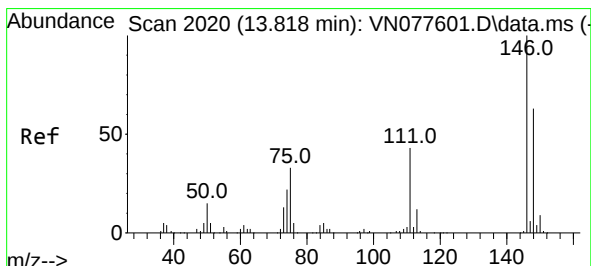
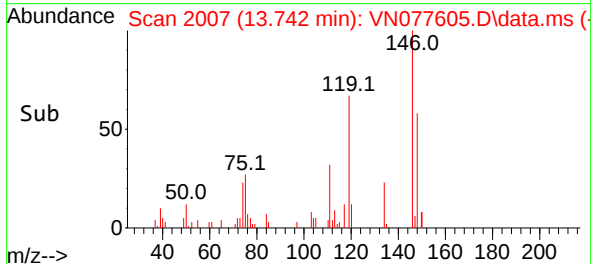
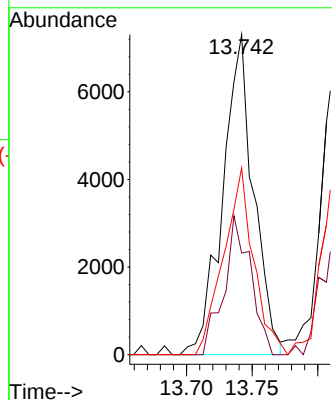
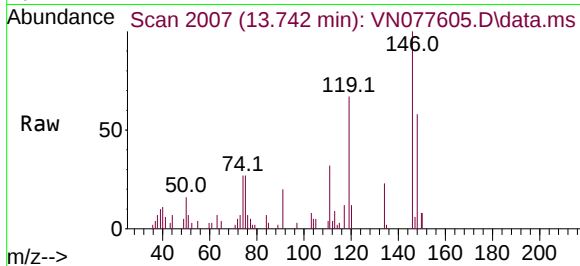




#83
1,3-Dichlorobenzene
Concen: 1.045 ug/l
RT: 13.742 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

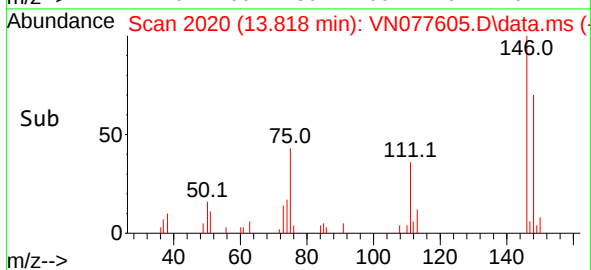
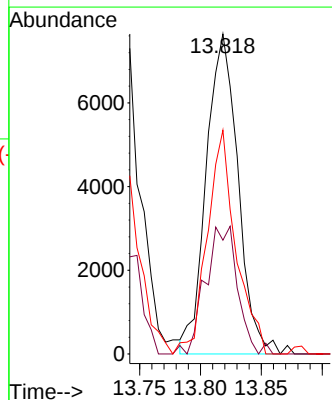
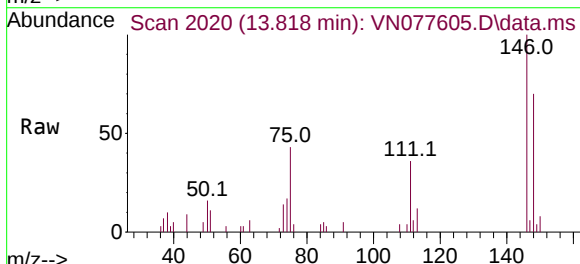
Instrument :
MSVOA_N
ClientSampleId :
IBLK

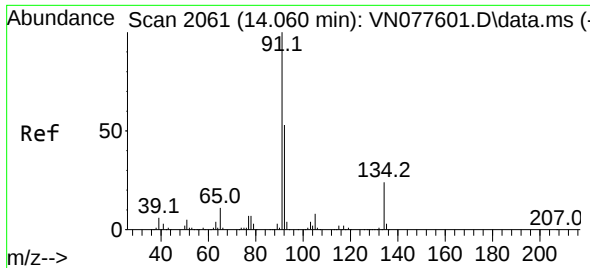
Tgt Ion:146 Resp: 11971
Ion Ratio Lower Upper
146 100
111 37.5 22.1 66.1
148 56.7 32.5 97.4



#84
1,4-Dichlorobenzene
Concen: 1.232 ug/l
RT: 13.818 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion:146 Resp: 13874
Ion Ratio Lower Upper
146 100
111 39.2 20.8 62.4
148 61.5 31.1 93.5

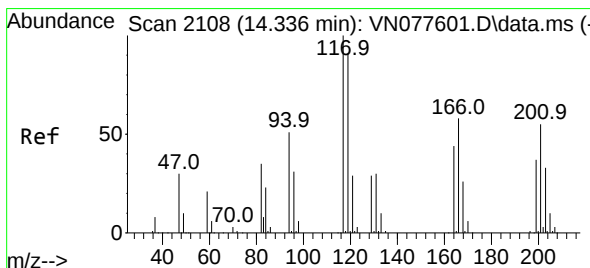
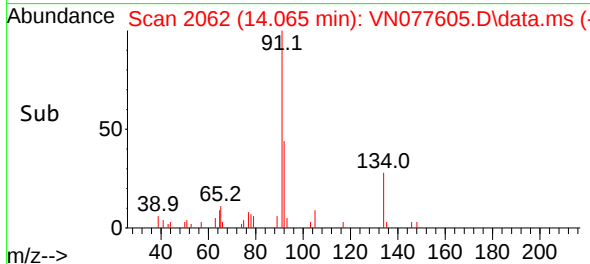
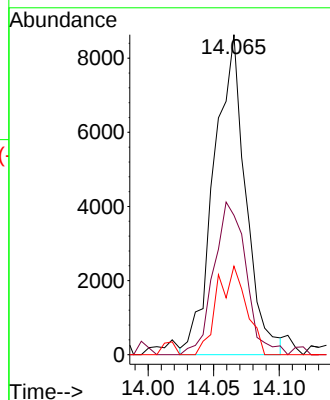
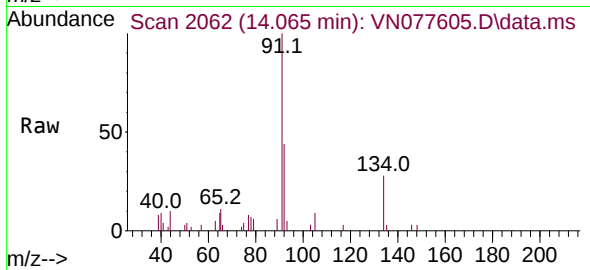




#85
n-Butylbenzene
Concen: 0.780 ug/l
RT: 14.065 min Scan# 2061
Delta R.T. 0.005 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

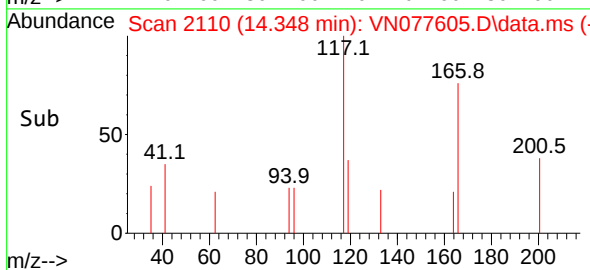
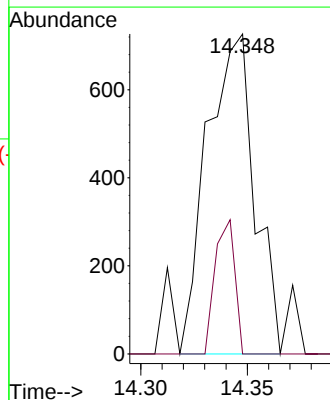
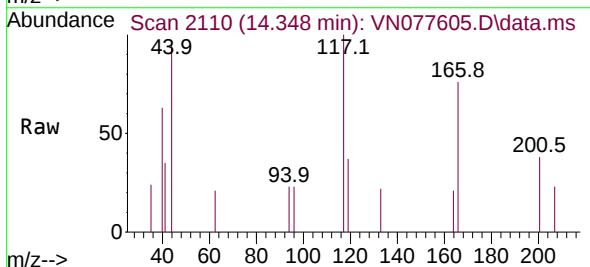
Instrument :
MSVOA_N
ClientSampleId :
IBLK

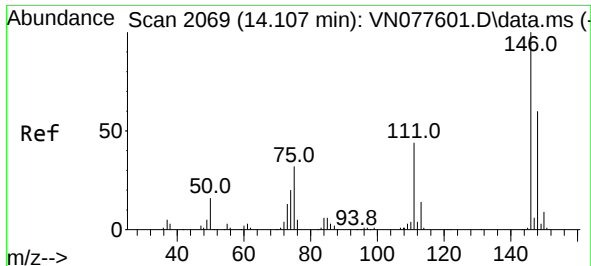
Tgt Ion: 91 Resp: 14479
Ion Ratio Lower Upper
91 100
92 48.6 0.0 107.0
134 25.4 0.0 50.2



#86
Hexachloroethane
Concen: 0.245 ug/l
RT: 14.348 min Scan# 2110
Delta R.T. 0.012 min
Lab File: VN077605.D
Acq: 05 May 2023 21:19

Tgt Ion: 117 Resp: 1131
Ion Ratio Lower Upper
117 100
201 17.3 28.1 84.4#





#87

1,2-Dichlorobenzene

Concen: 0.863 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

IBLK

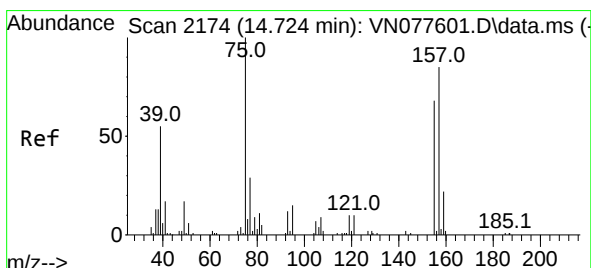
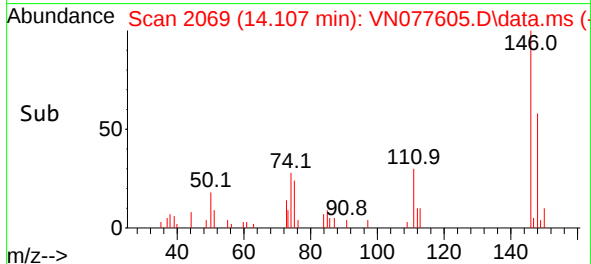
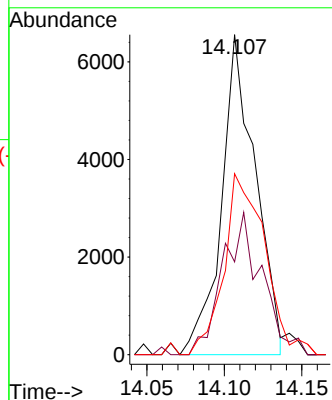
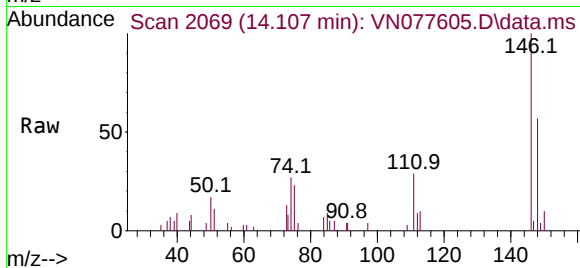
Tgt Ion:146 Resp: 9989

Ion Ratio Lower Upper

146 100

111 50.3 22.7 68.0

148 66.5 31.0 93.0



#88

1,2-Dibromo-3-Chloropropane

Concen: 1.441 ug/l

RT: 14.724 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

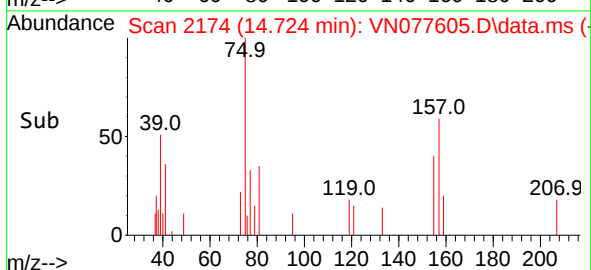
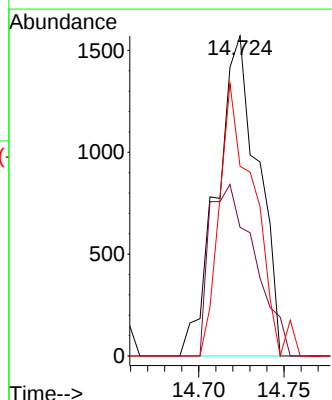
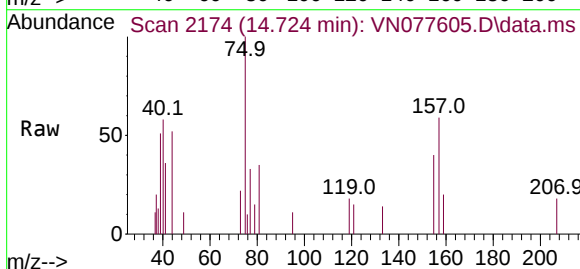
Tgt Ion: 75 Resp: 2638

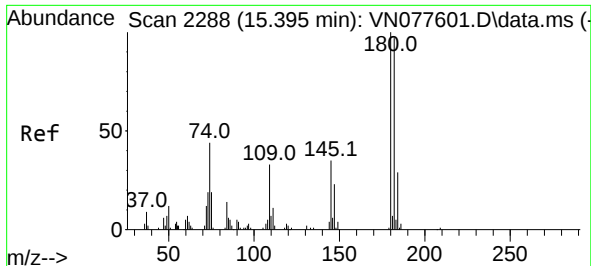
Ion Ratio Lower Upper

75 100

155 58.9 63.1 94.7#

157 69.6 75.5 113.3#





#89

1,2,4-Trichlorobenzene

Concen: 8.066 ug/l

RT: 15.395 min Scan# 2288

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

IBLK

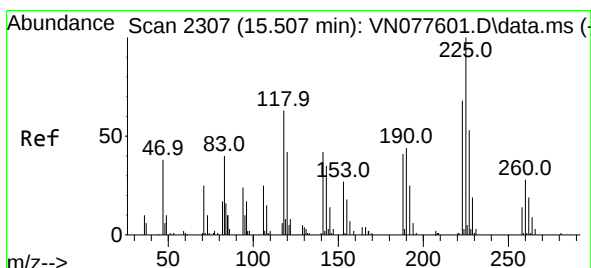
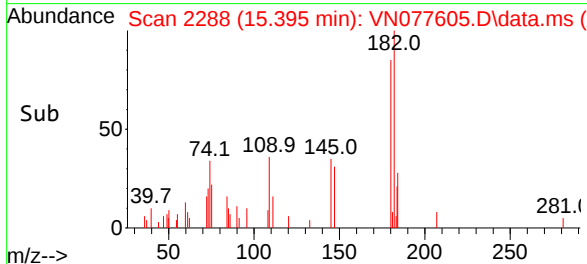
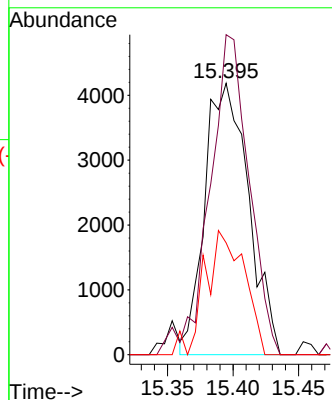
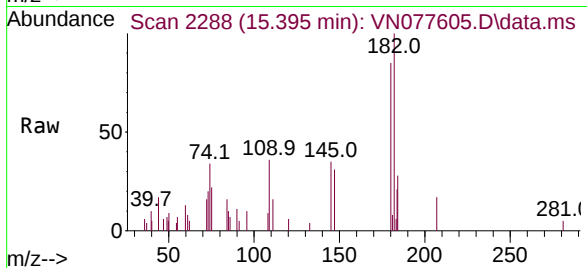
Tgt Ion:180 Resp: 9700

Ion Ratio Lower Upper

180 100

182 103.0 75.1 112.7

145 40.1 28.6 43.0



#90

Hexachlorobutadiene

Concen: 1.007 ug/l

RT: 15.507 min Scan# 2307

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

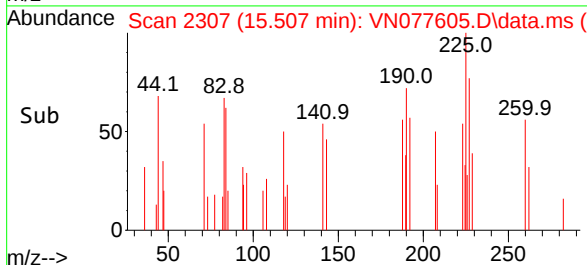
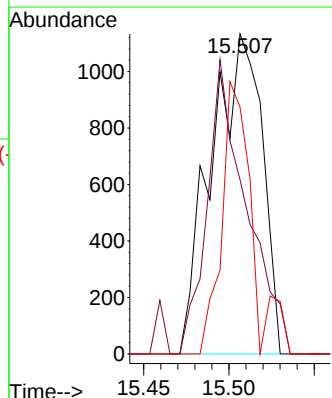
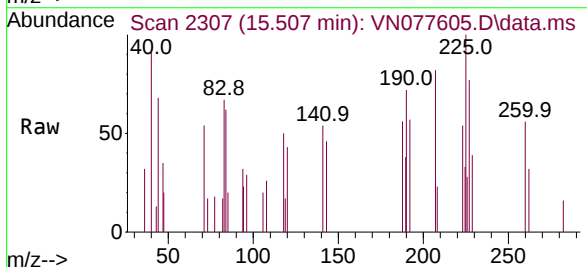
Tgt Ion:225 Resp: 2358

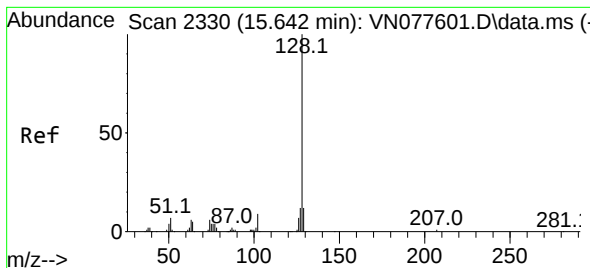
Ion Ratio Lower Upper

225 100

223 70.7 0.0 132.2

227 44.1 0.0 116.2





#91

Naphthalene

Concen: 9.204 ug/l

RT: 15.642 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Instrument :

MSVOA_N

ClientSampleId :

IBLK

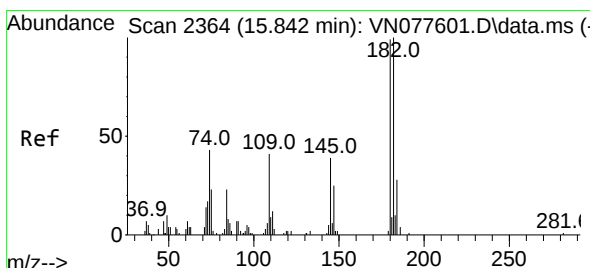
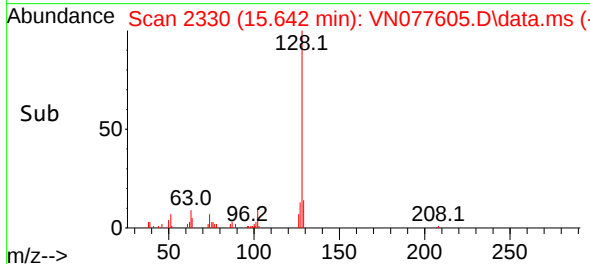
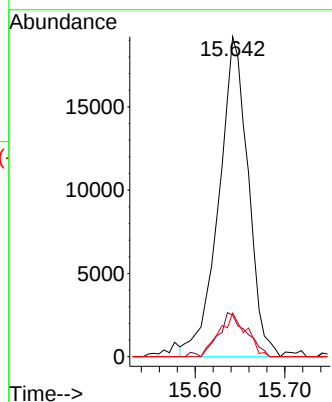
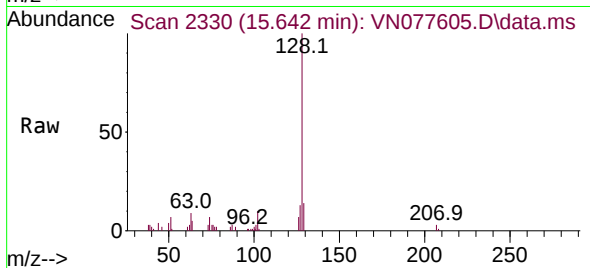
Tgt Ion:128 Resp: 43564

Ion Ratio Lower Upper

128 100

127 12.9 9.6 14.4

129 12.7 9.1 13.7



#92

1,2,3-Trichlorobenzene

Concen: 9.312 ug/l

RT: 15.848 min Scan# 2365

Delta R.T. 0.006 min

Lab File: VN077605.D

Acq: 05 May 2023 21:19

Tgt Ion:180 Resp: 13917

Ion Ratio Lower Upper

180 100

182 97.0 0.0 193.4

145 42.2 0.0 78.6

