

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111422\
 Data File : VN075270.D
 Acq On : 14 Nov 2022 17:15
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 15 03:53:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	150454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	272015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	99900	49.280	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.560%
35) Dibromofluoromethane	8.171	113	83502	52.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.580%
50) Toluene-d8	10.565	98	325548	52.547	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.100%
62) 4-Bromofluorobenzene	12.847	95	112807	51.834	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.660%

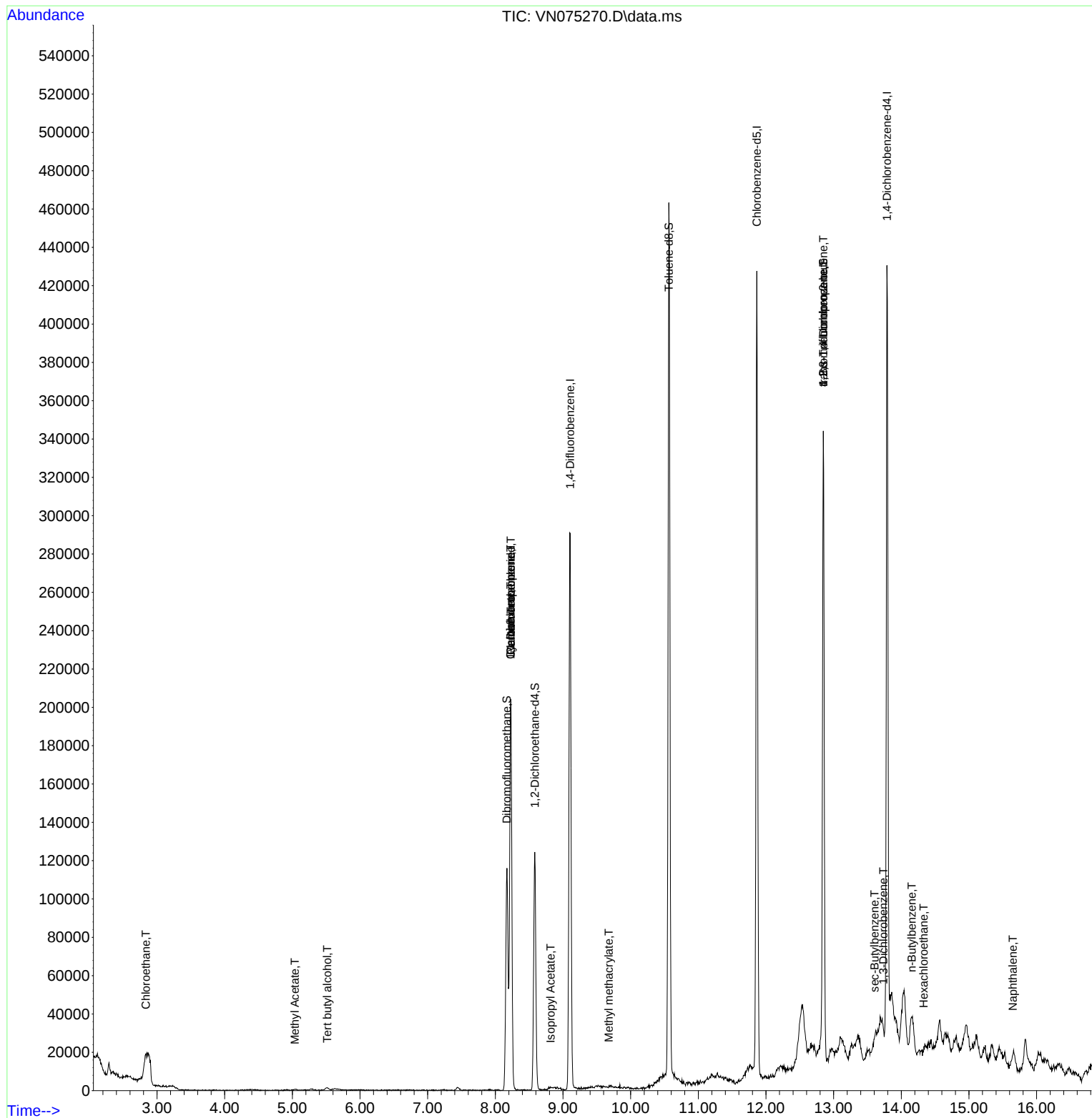
Target Compounds			Qvalue			
5) Bromomethane	2.918	94	279	Below Cal		97
6) Chloroethane	2.836	64	20931	9.842	ug/l #	58
11) Tert butyl alcohol	5.518	59	1021	2.160	ug/l #	72
18) Methyl Acetate	5.036	43	963	0.343	ug/l #	47
31) Cyclohexane	8.224	56	3328	1.104	ug/l #	26
36) 1,1-Dichloropropene	8.224	75	12536	5.071	ug/l #	50
38) Carbon Tetrachloride	8.230	117	16638	6.118	ug/l #	14
43) Isopropyl Acetate	8.818	43	1215	0.289	ug/l #	53
48) Methyl methacrylate	9.676	41	661	0.343	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	12.935	83	133	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.847	75	58170	24.999	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58170	64.171	ug/l #	11
85) sec-Butylbenzene	13.606	105	5380	0.586	ug/l #	61
87) 1,3-Dichlorobenzene	13.735	146	1344	0.354	ug/l #	29
89) n-Butylbenzene	14.153	91	2445	0.400	ug/l	75
90) Hexachloroethane	14.329	117	322	0.232	ug/l #	19
95) Naphthalene	15.647	128	1475	0.236	ug/l #	1

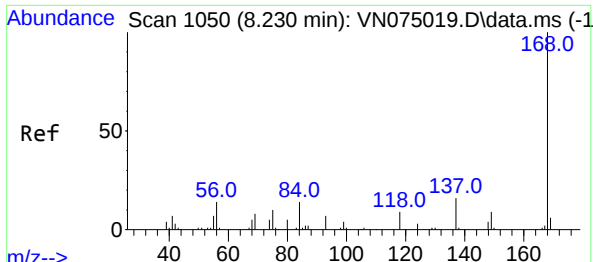
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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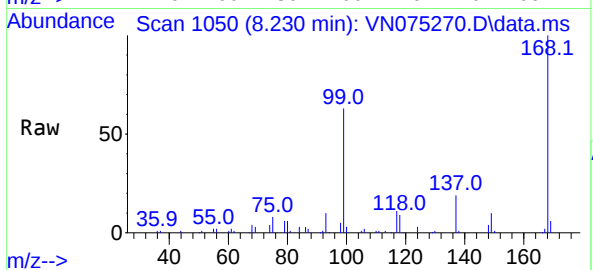
Quant Time: Nov 15 03:53:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



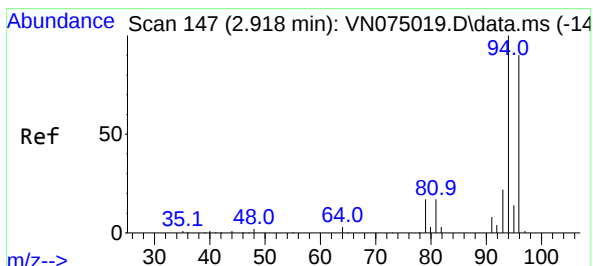
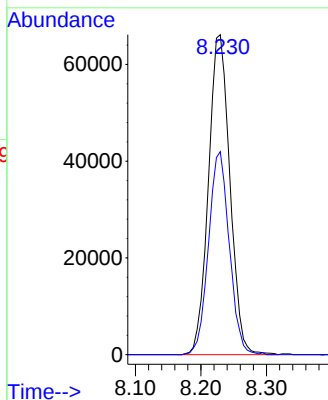
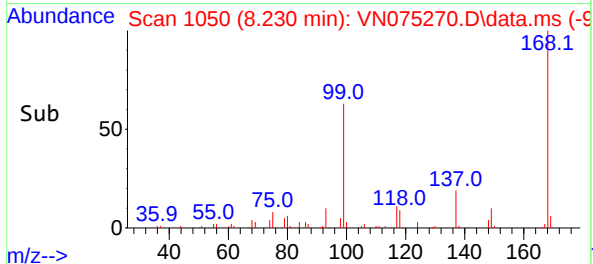


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK

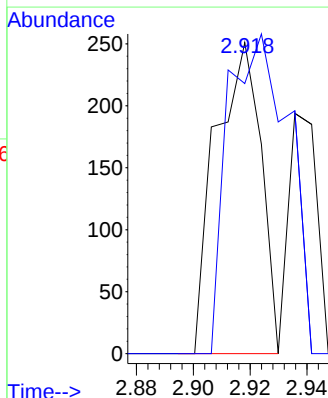
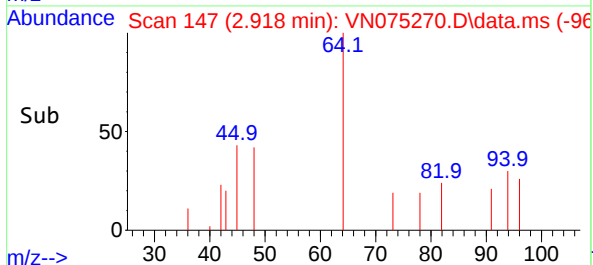
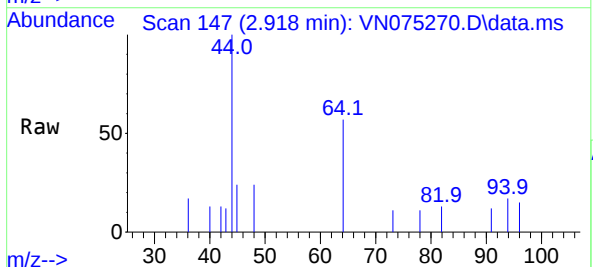


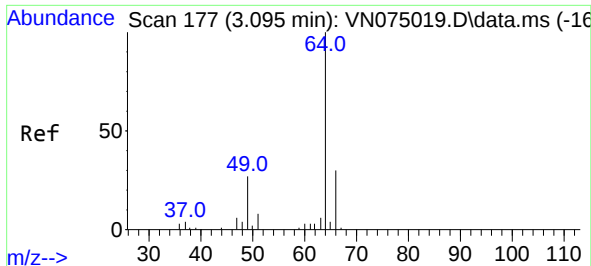
Tgt Ion:168 Resp: 150454
Ion Ratio Lower Upper
168 100
99 63.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 86.9 71.8 107.6

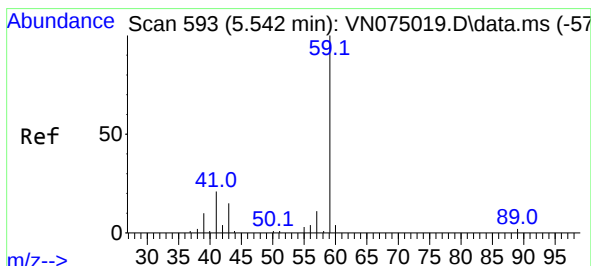
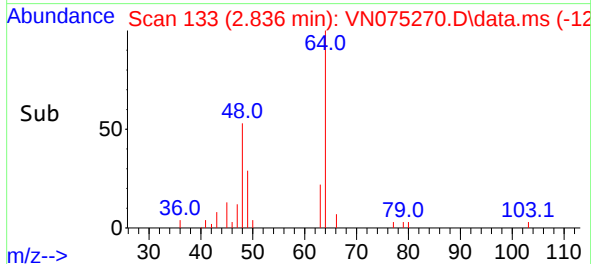
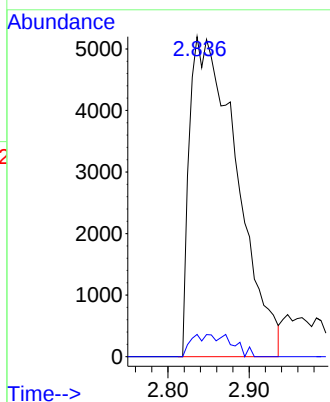
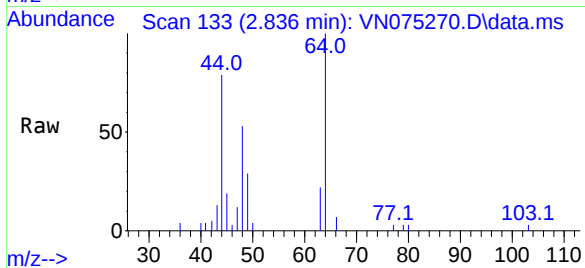




#6
Chloroethane
Concen: 9.842 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

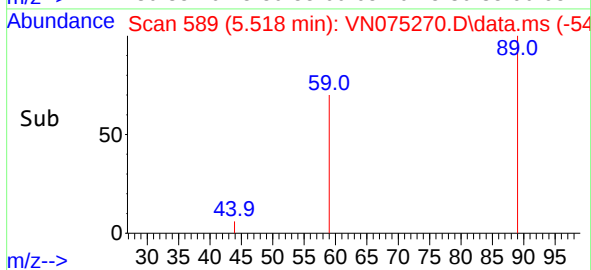
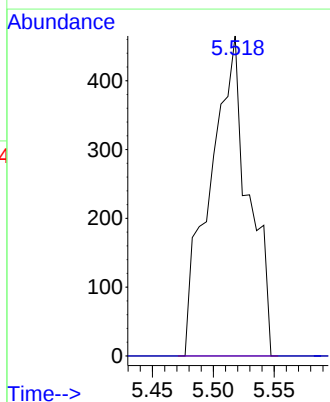
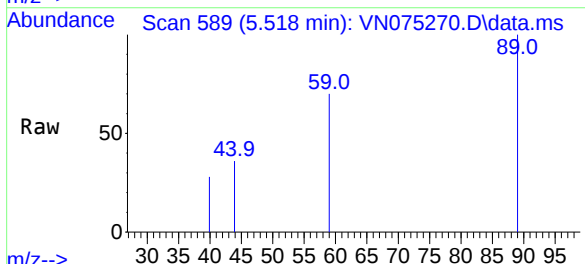
Instrument :
MSVOA_N
ClientSampleId :
IBLK

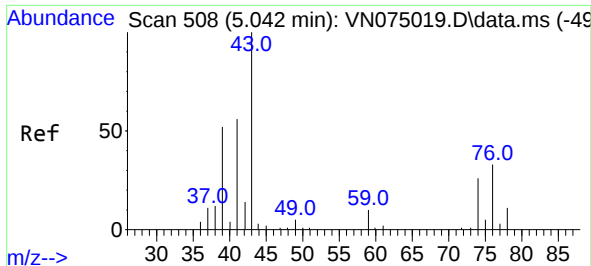
Tgt Ion: 64 Resp: 20931
Ion Ratio Lower Upper
64 100
66 7.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 2.160 ug/l
RT: 5.518 min Scan# 589
Delta R.T. -0.024 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

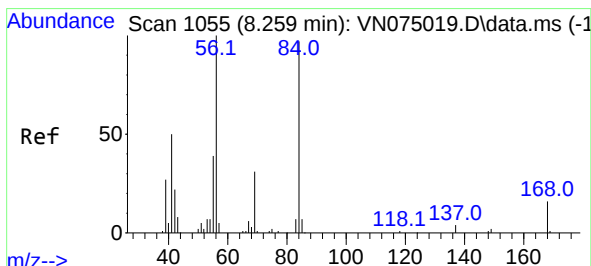
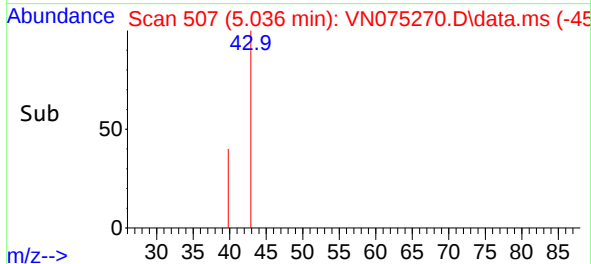
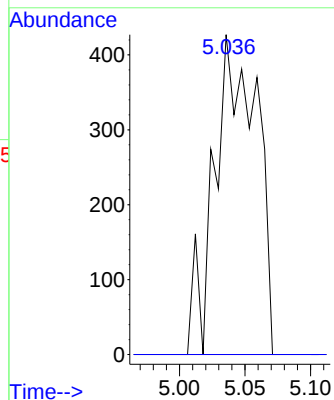
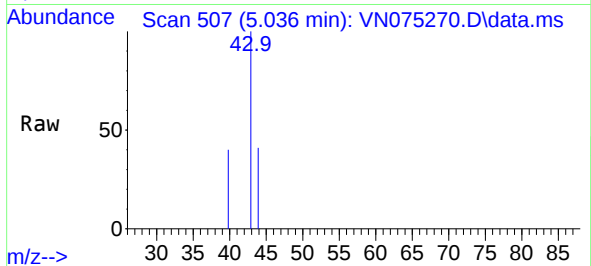




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 5.036 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

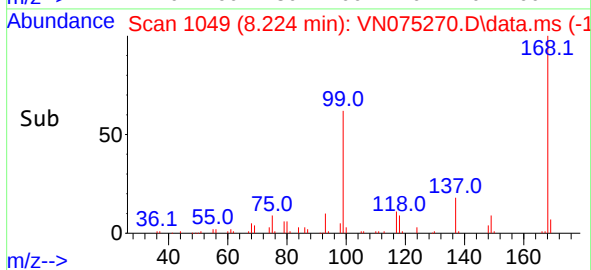
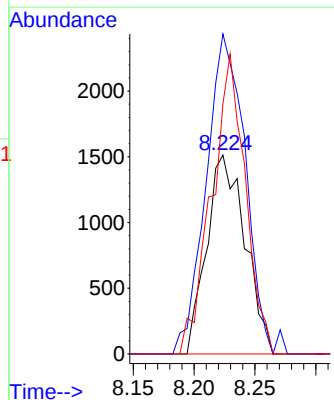
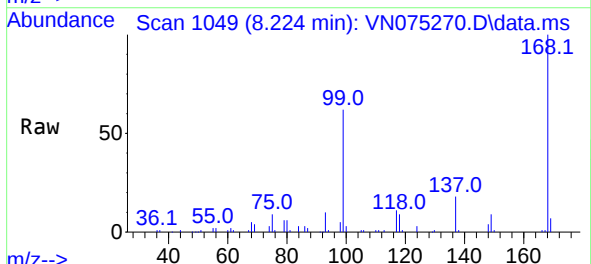
Instrument :
MSVOA_N
ClientSampleId :
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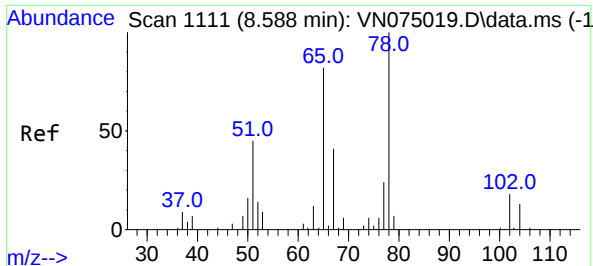
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#31
Cyclohexane
Concen: 1.104 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 56 Resp: 3328
Ion Ratio Lower Upper
56 100
69 150.4 25.2 37.8#
84 125.7 77.8 116.8#

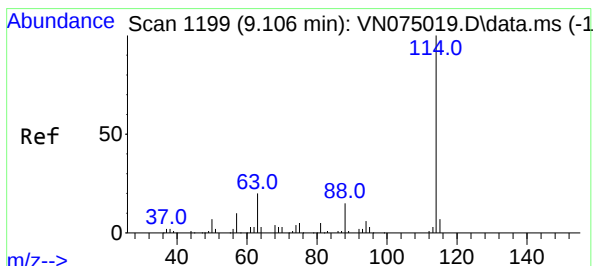
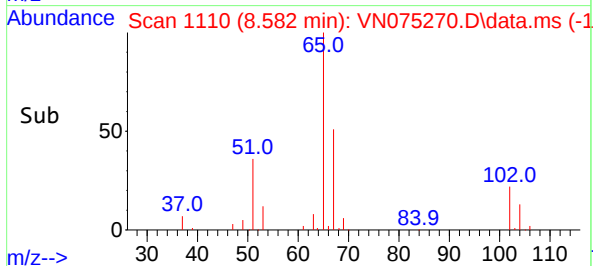
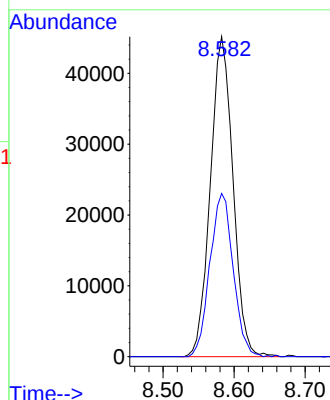
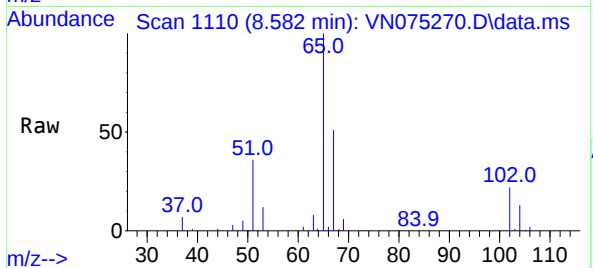




#33
1,2-Dichloroethane-d4
Concen: 49.280 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

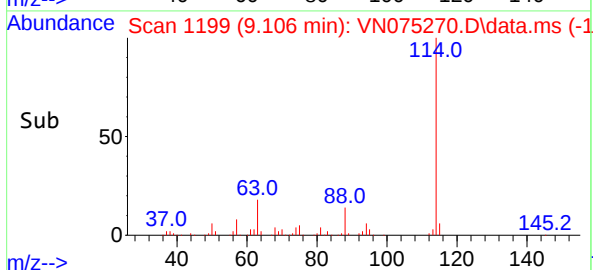
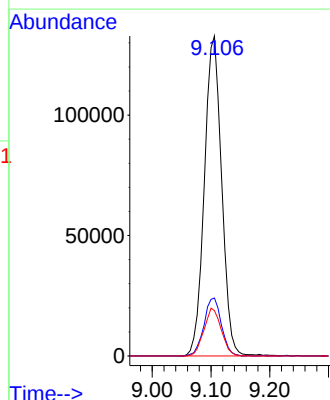
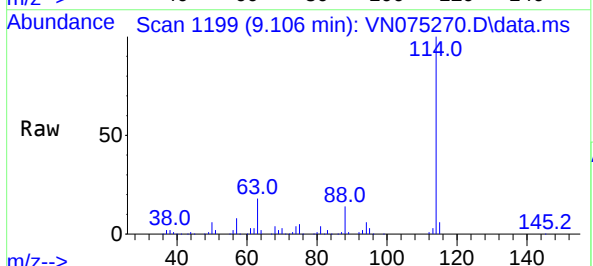
Instrument :
MSVOA_N
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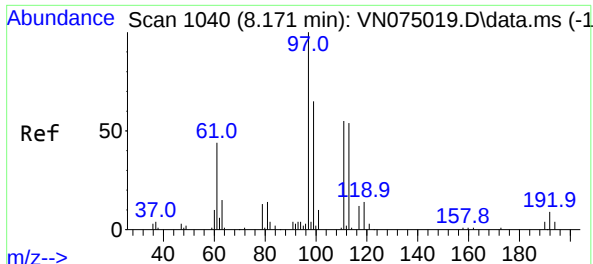
Tgt Ion: 65 Resp: 99900
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 114 Resp: 272015
Ion Ratio Lower Upper
114 100
63 18.1 0.0 39.6
88 14.1 0.0 29.0

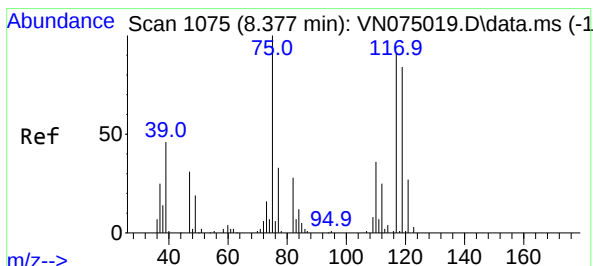
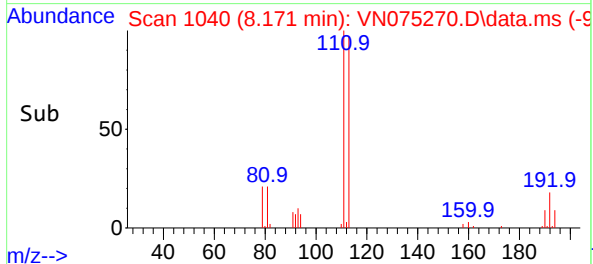
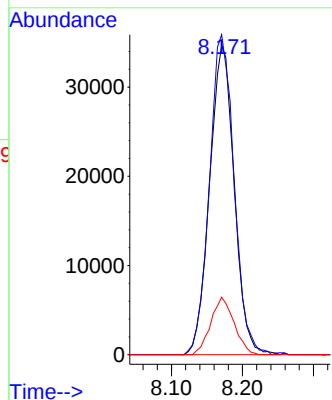
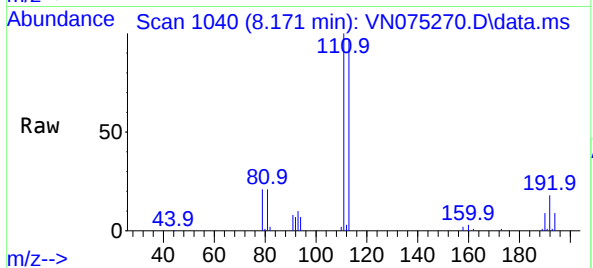




#35
Dibromofluoromethane
Concen: 52.291 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

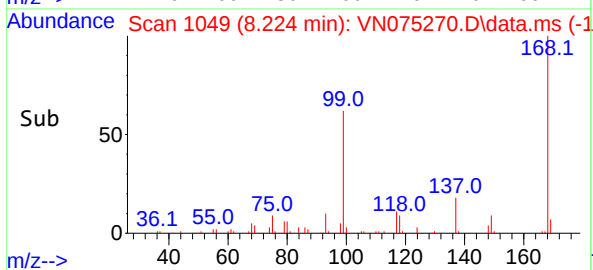
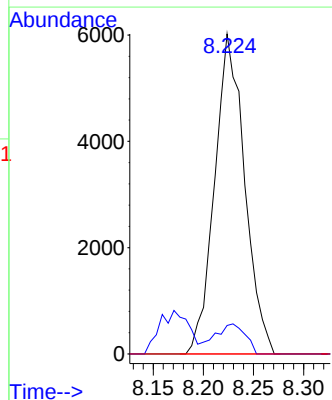
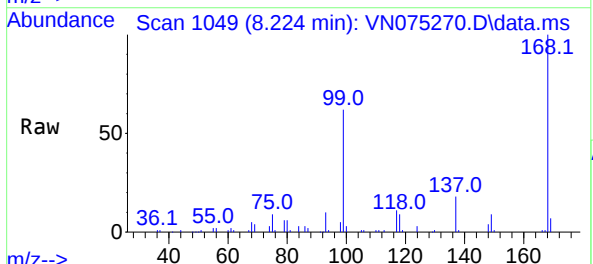
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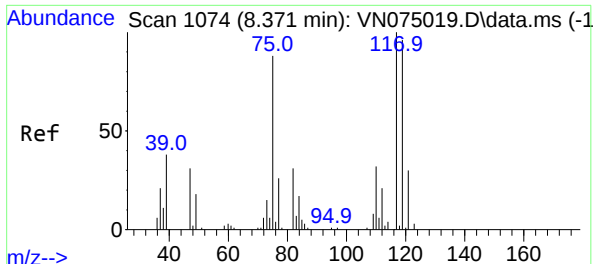
Tgt Ion:113 Resp: 83502
Ion Ratio Lower Upper
113 100
111 103.2 80.5 120.7
192 17.6 13.2 19.8



#36
1,1-Dichloropropene
Concen: 5.071 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

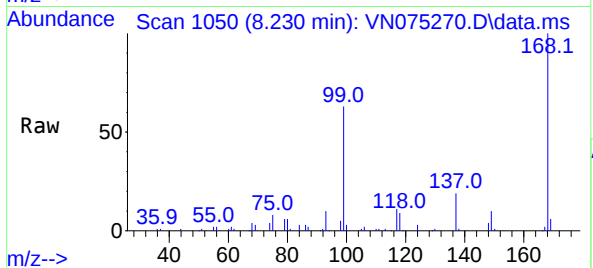
Tgt Ion: 75 Resp: 12536
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 24.6 37.0#



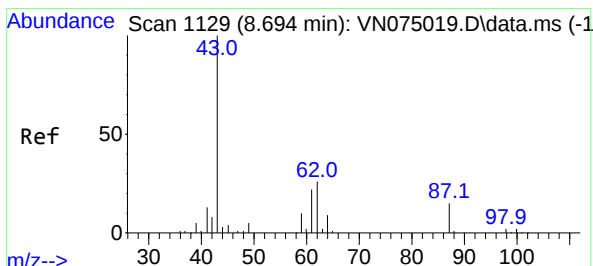
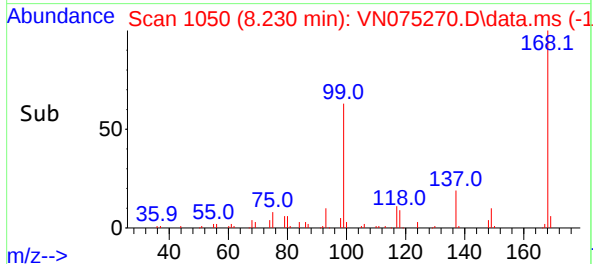
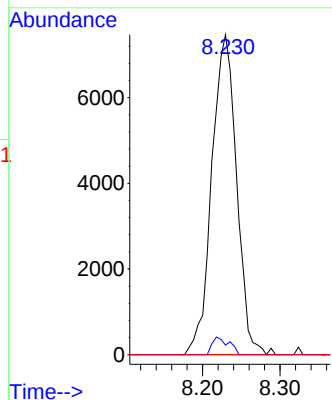


#38
Carbon Tetrachloride
Concen: 6.118 ug/l
RT: 8.230 min Scan# 1150
Delta R.T. -0.141 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Instrument :
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ClientSampleId :
IBLK

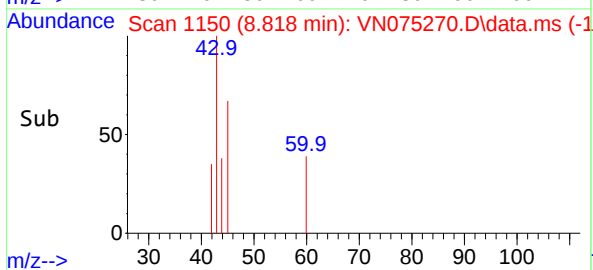
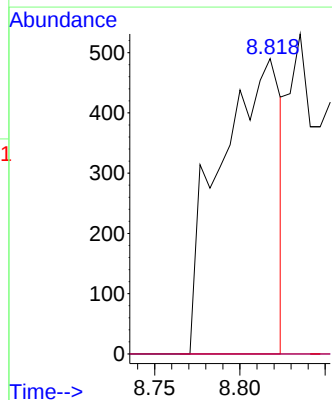
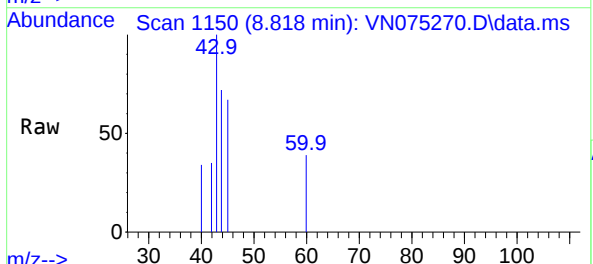


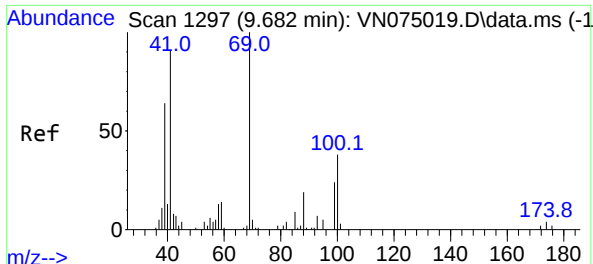
Tgt Ion:117 Resp: 16638
Ion Ratio Lower Upper
117 100
119 3.0 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 0.289 ug/l
RT: 8.818 min Scan# 1150
Delta R.T. 0.124 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 43 Resp: 1215
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 0.0 12.5 18.7#





#48

Methyl methacrylate

Concen: 0.343 ug/l

RT: 9.676 min Scan# 1297

Delta R.T. -0.006 min

Lab File: VN075270.D

Acq: 14 Nov 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

IBLK

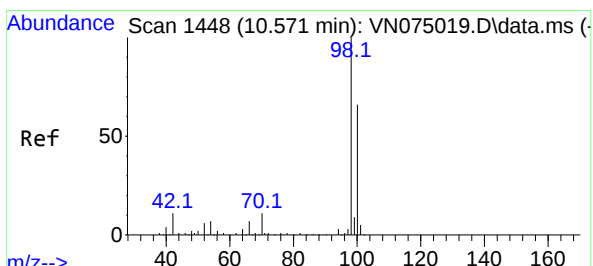
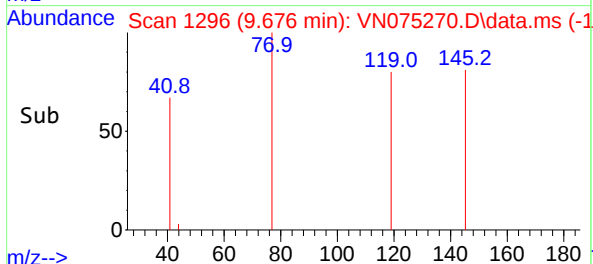
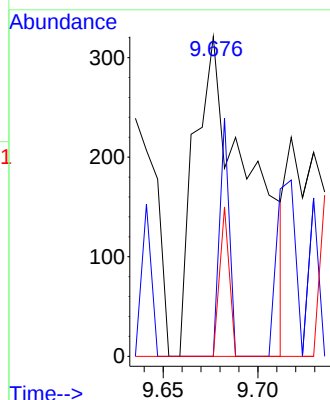
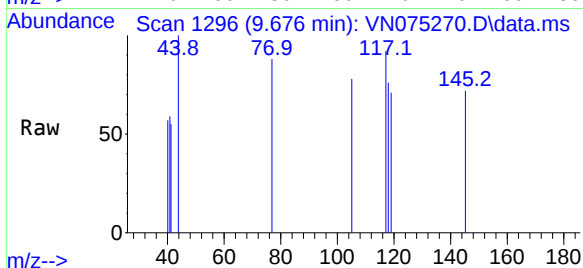
Tgt Ion: 41 Resp: 661

Ion Ratio Lower Upper

41 100

69 12.7 80.2 120.2#

39 8.0 56.2 84.2#



#50

Toluene-d8

Concen: 52.547 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN075270.D

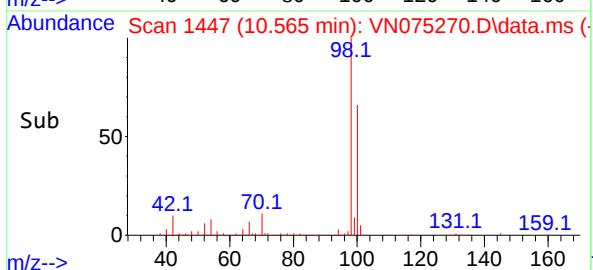
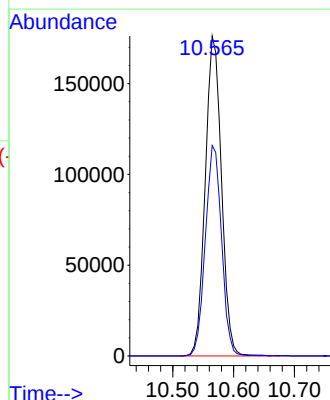
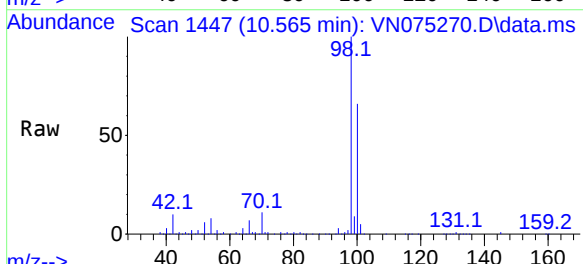
Acq: 14 Nov 2022 17:15

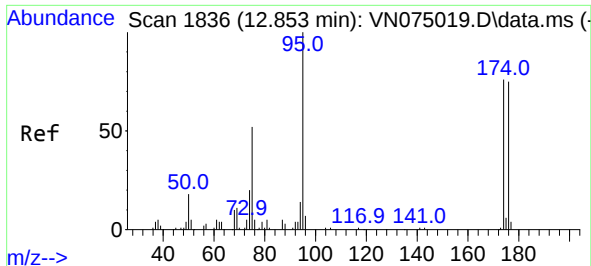
Tgt Ion: 98 Resp: 325548

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6

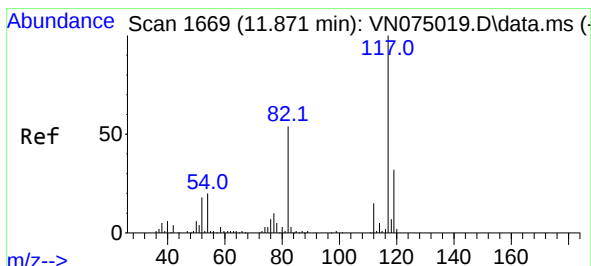
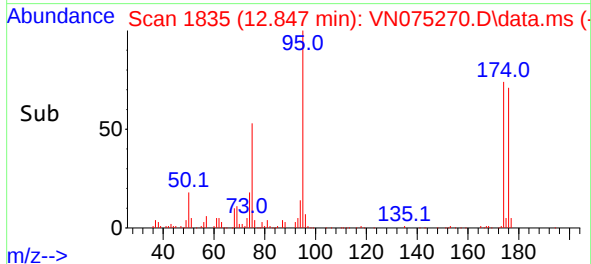
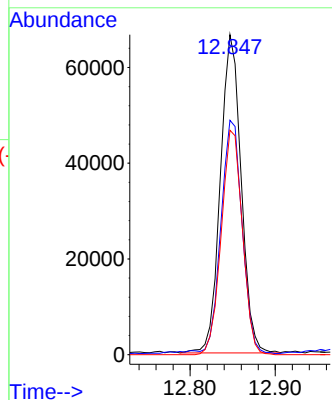
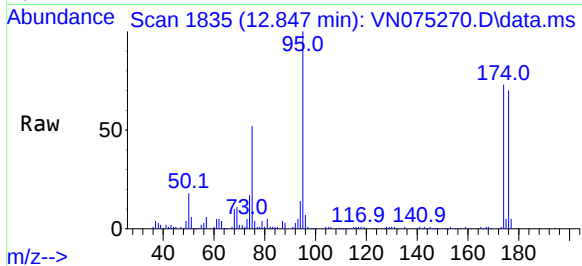




#62
4-Bromofluorobenzene
Concen: 51.834 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

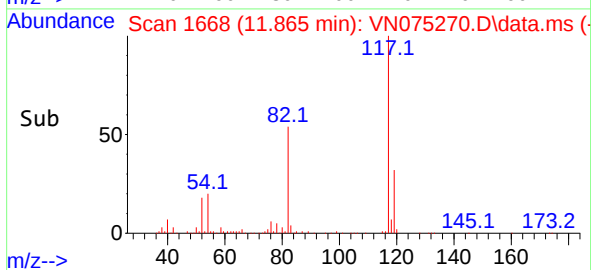
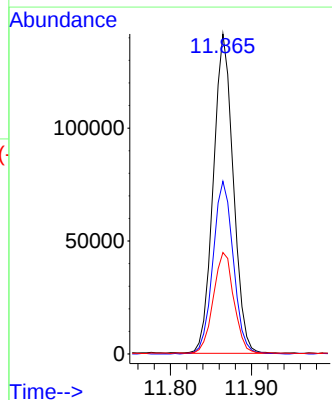
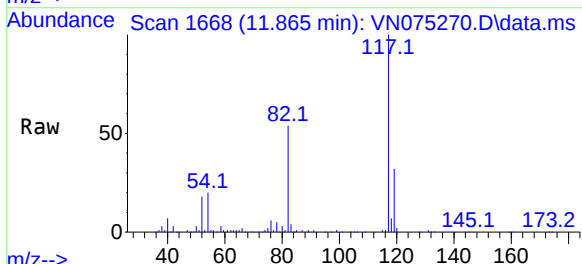
Instrument :
MSVOA_N
ClientSampleId :
IBLK

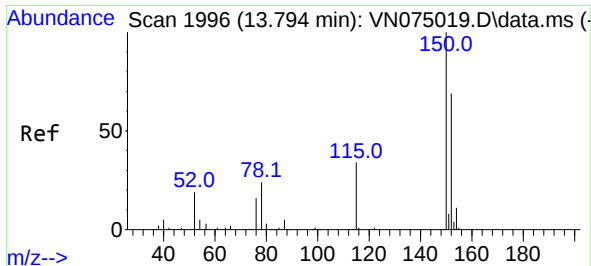
Tgt Ion: 95 Resp: 112807
Ion Ratio Lower Upper
95 100
174 75.1 0.0 147.4
176 71.7 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 117 Resp: 241491
Ion Ratio Lower Upper
117 100
82 54.0 43.1 64.7
119 31.5 25.5 38.3

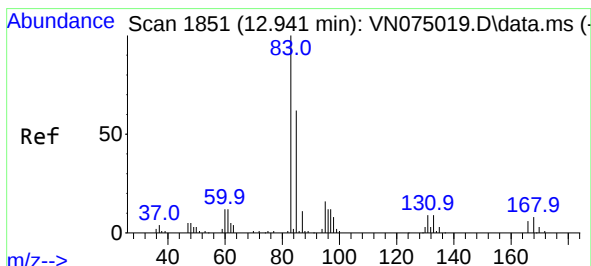
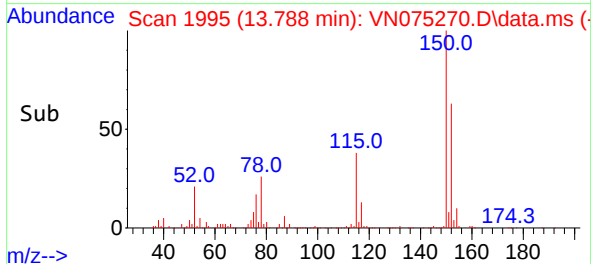
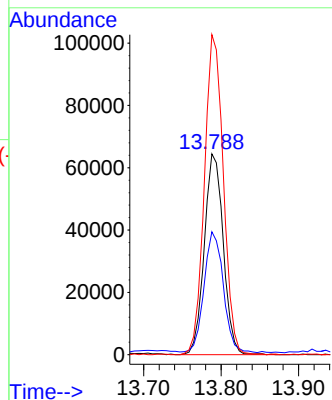
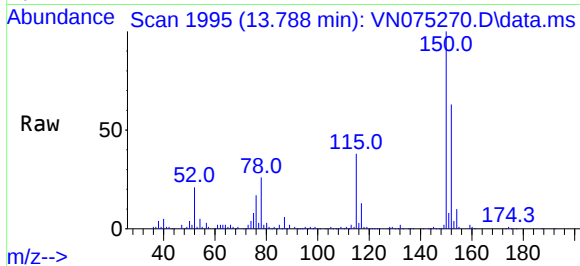




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 1995
 Delta R.T. -0.006 min
 Lab File: VN075270.D
 Acq: 14 Nov 2022 17:15

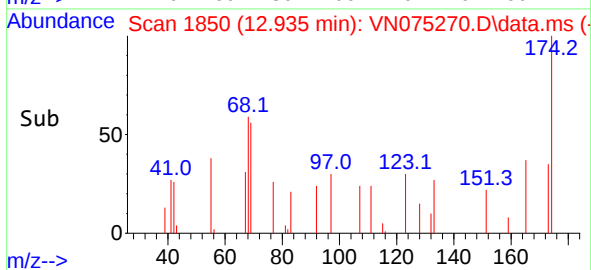
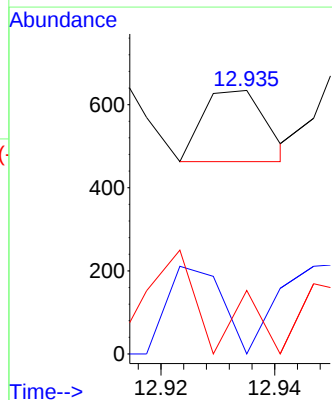
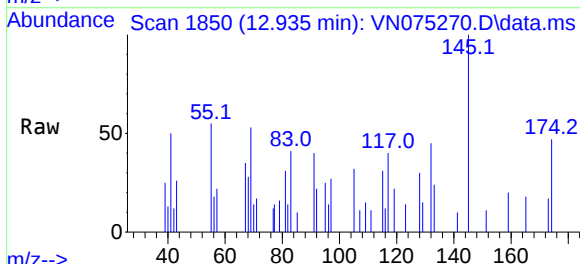
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

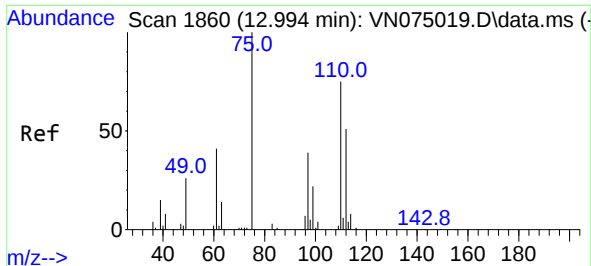
Tgt Ion:152 Resp: 109592
 Ion Ratio Lower Upper
 152 100
 115 61.2 30.2 90.6
 150 159.1 0.0 348.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.935 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: VN075270.D
 Acq: 14 Nov 2022 17:15

Tgt Ion: 83 Resp: 133
 Ion Ratio Lower Upper
 83 100
 131 105.3 5.1 15.3#
 85 106.8 31.6 94.7#

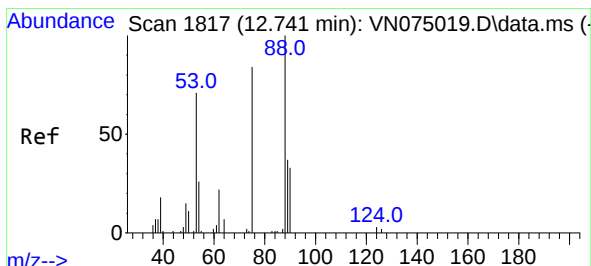
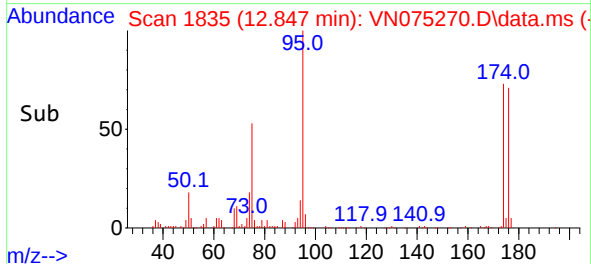
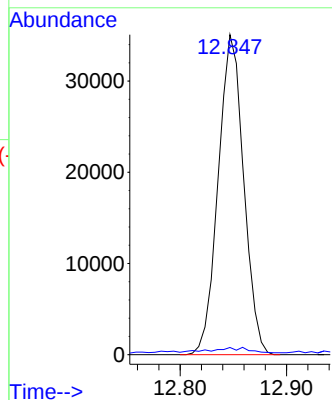
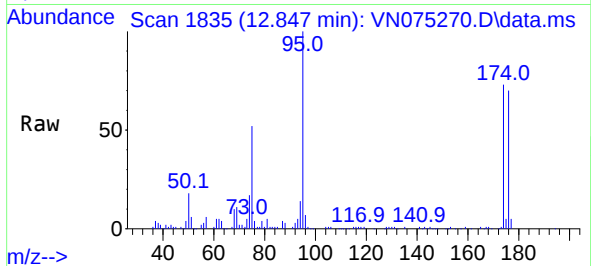




#76
1,2,3-Trichloropropane
Concen: 24.999 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

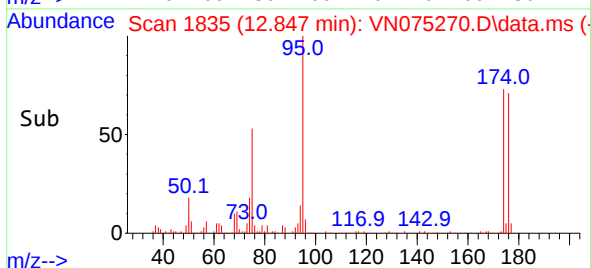
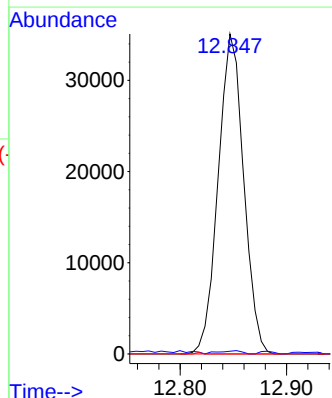
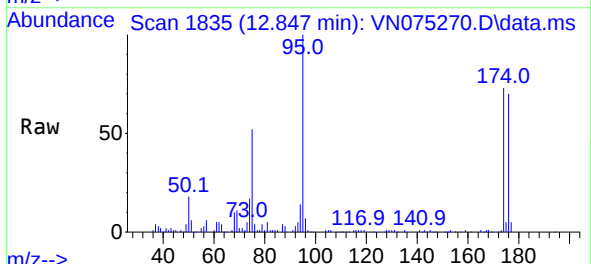
Instrument :
MSVOA_N
ClientSampleId :
IBLK

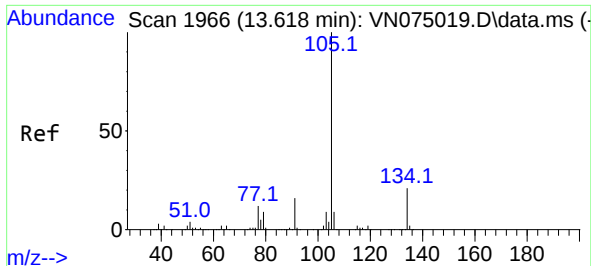
Tgt Ion: 75 Resp: 58170
Ion Ratio Lower Upper
75 100
77 2.5 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.171 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Tgt Ion: 75 Resp: 58170
Ion Ratio Lower Upper
75 100
53 0.9 78.5 117.7#
89 0.0 37.7 56.5#

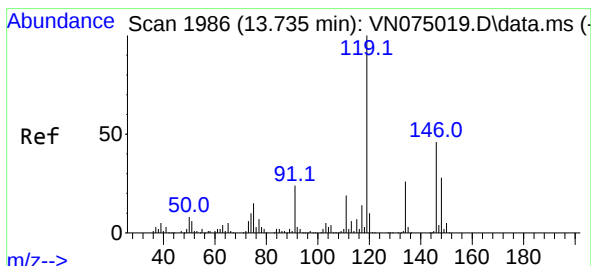
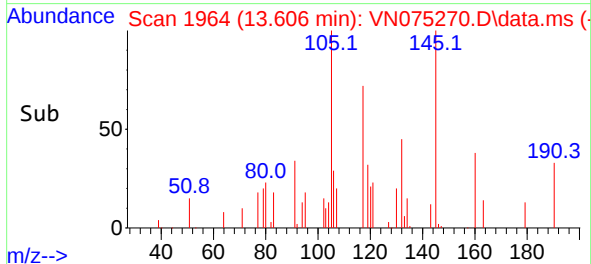
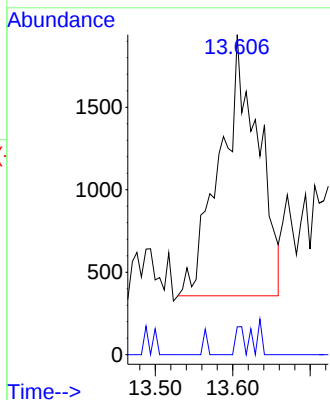
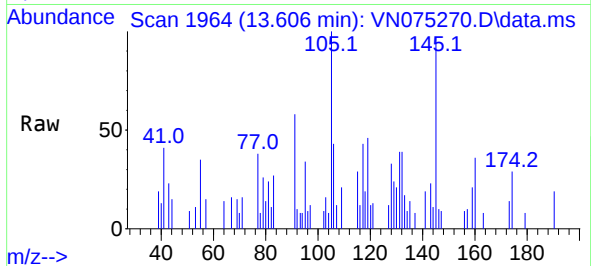




#85
 sec-Butylbenzene
 Concen: 0.586 ug/l
 RT: 13.606 min Scan# 1964
 Delta R.T. -0.012 min
 Lab File: VN075270.D
 Acq: 14 Nov 2022 17:15

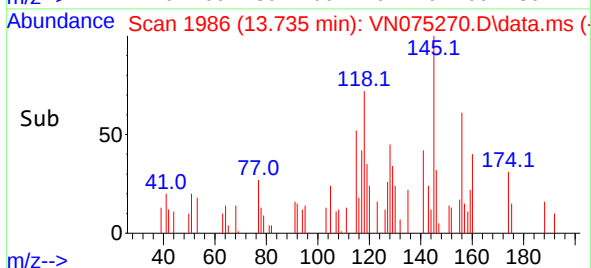
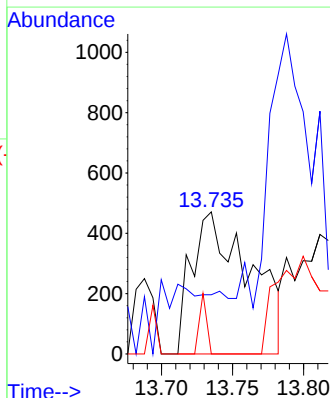
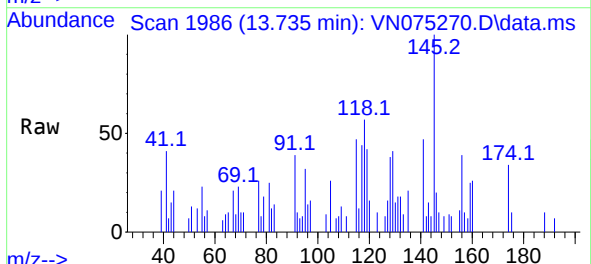
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

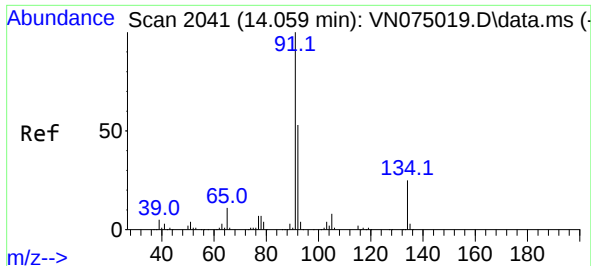
Tgt Ion:105 Resp: 5380
 Ion Ratio Lower Upper
 105 100
 134 2.2 10.2 30.6#



#87
 1,3-Dichlorobenzene
 Concen: 0.354 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN075270.D
 Acq: 14 Nov 2022 17:15

Tgt Ion:146 Resp: 1344
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.8 62.5#
 148 5.3 31.1 93.5#

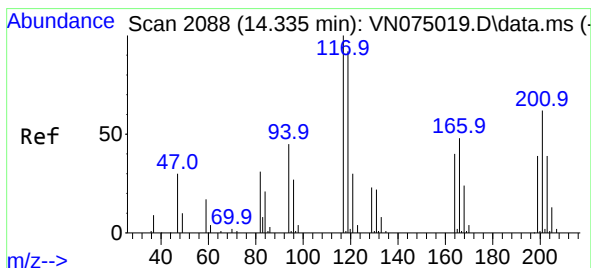
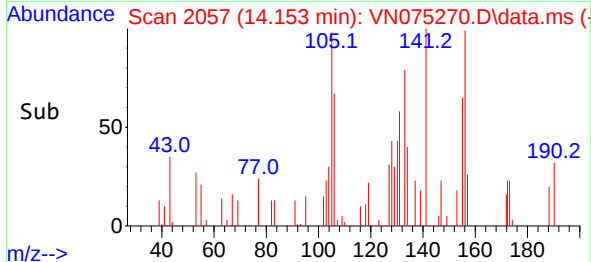
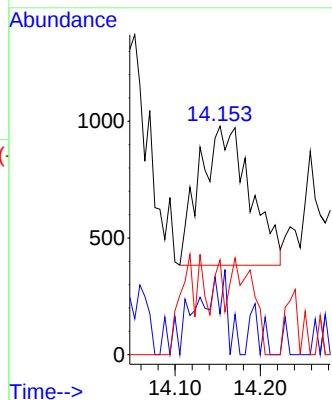
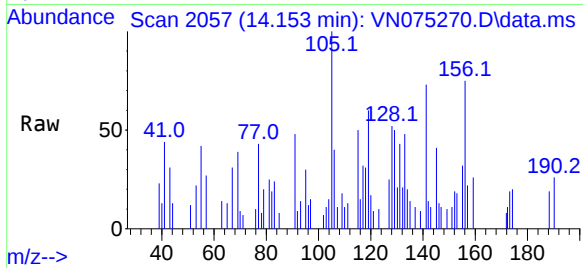




#89
n-Butylbenzene
Concen: 0.400 ug/l
RT: 14.153 min Scan# 2041
Delta R.T. 0.094 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

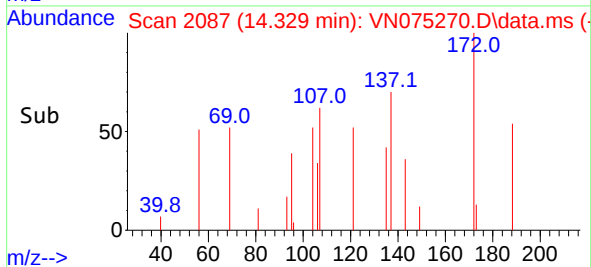
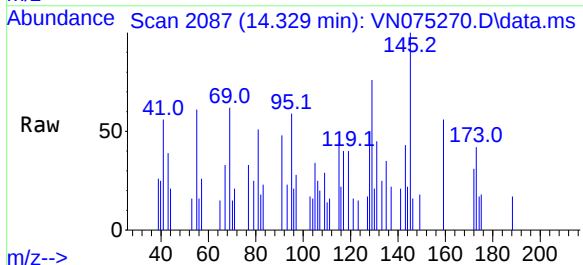
Instrument :
MSVOA_N
ClientSampleId :
IBLK

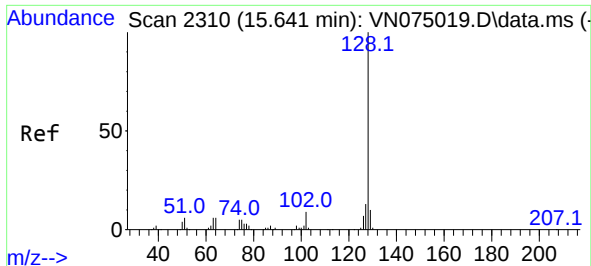
Tgt Ion: 91 Resp: 2445
Ion Ratio Lower Upper
91 100
92 35.3 26.5 79.4
134 13.4 13.0 39.0



#90
Hexachloroethane
Concen: 0.232 ug/l
RT: 14.329 min Scan# 2087
Delta R.T. -0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

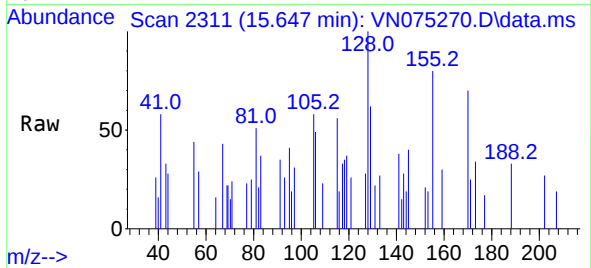
Tgt Ion: 117 Resp: 322
Ion Ratio Lower Upper
117 100
201 0.0 31.5 94.5#





#95
Naphthalene
Concen: 0.236 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075270.D
Acq: 14 Nov 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:	128	Resp:	1475
Ion	Ratio	Lower	Upper
128	100		
127	27.3	10.4	15.6#
129	83.9	8.6	12.8#

