

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075038.D
 Acq On : 27 Oct 2022 14:07
 Operator : JC\MD
 Sample : N5268-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OK-03-102422

Quant Time: Oct 28 02:14:15 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

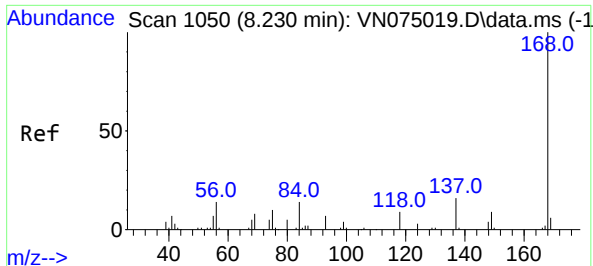
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	121858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	239045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	215142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	97601	59.444	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.880%			
35) Dibromofluoromethane	8.171	113	73697	52.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.040%			
50) Toluene-d8	10.571	98	295816	54.333	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.660%			
62) 4-Bromofluorobenzene	12.853	95	92018	48.113	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.220%			
Target Compounds					Qvalue	
6) Chloroethane	3.265	64	1192	0.692	ug/l #	45
11) Tert butyl alcohol	5.542	59	296	0.773	ug/l #	72
14) Allyl chloride	5.283	41	1344	0.712	ug/l #	19
16) Acetone	4.448	43	18912	27.203	ug/l	94
18) Methyl Acetate	5.042	43	819	0.361	ug/l #	47
20) Methylene Chloride	5.289	84	78907	50.905	ug/l	95
25) 2-Butanone	7.494	43	2195	2.007	ug/l #	88
30) Chloroform	7.971	83	4072	1.424	ug/l	92
31) Cyclohexane	8.224	56	2936	1.202	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	10832	4.986	ug/l #	48
37) Ethyl Acetate	7.577	43	8121	3.408	ug/l	98
38) Carbon Tetrachloride	8.230	117	13924	5.826	ug/l #	16
43) Isopropyl Acetate	8.694	43	32487	8.790	ug/l #	87
47) Bromodichloromethane	9.900	83	2020	0.846	ug/l #	80
48) Methyl methacrylate	9.671	41	1246	0.735	ug/l #	26
51) 4-Methyl-2-Pentanone	10.447	43	1500	0.629	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	9406	3.518	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	1281	0.436	ug/l #	42
59) 2-Hexanone	11.206	43	14378	7.943	ug/l #	57
60) Dibromochloromethane	11.359	129	732	0.394	ug/l	95
71) Bromoform	12.853	173	1044	0.819	ug/l #	1
74) N-amyl acetate	12.306	43	4465	1.704	ug/l #	45
76) 1,2,3-Trichloropropane	12.853	75	52758	28.152	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	52758	72.267	ug/l #	10
95) Naphthalene	15.647	128	3336	0.664	ug/l #	86

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

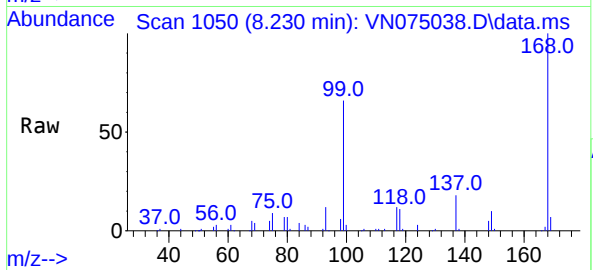
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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
Response via : Initial Calibration



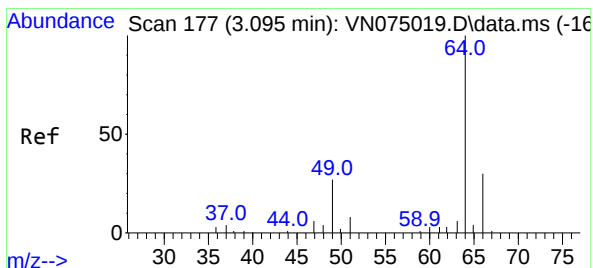
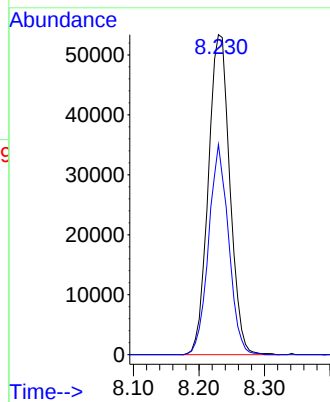
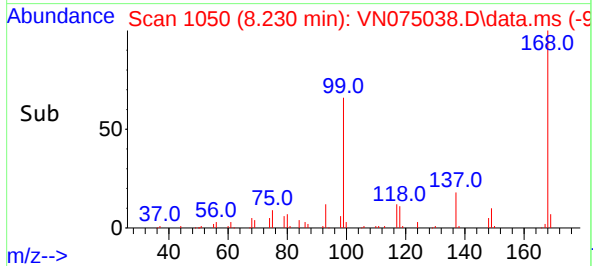


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

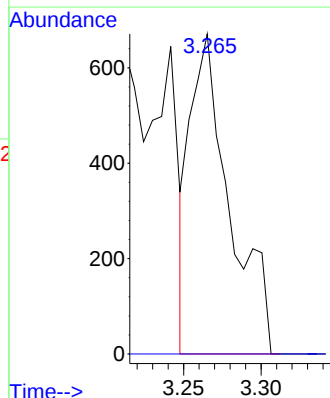
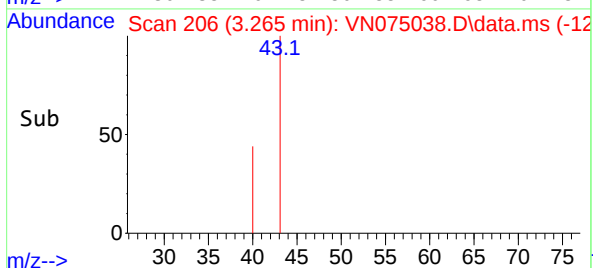
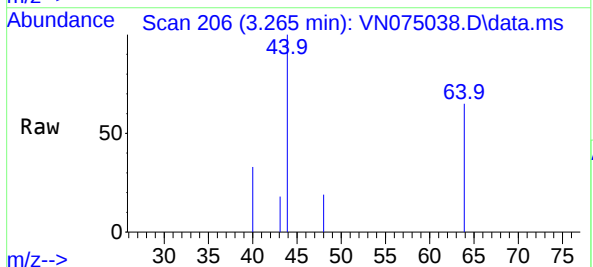


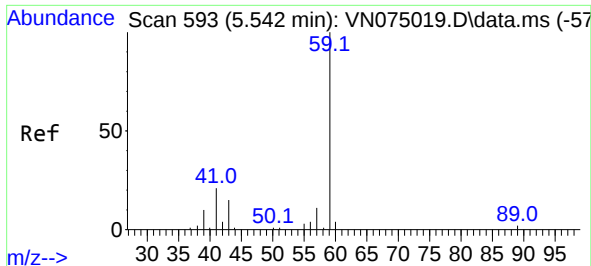
Tgt Ion:168 Resp: 121858
Ion Ratio Lower Upper
168 100
99 65.7 51.6 77.4



#6
Chloroethane
Concen: 0.692 ug/l
RT: 3.265 min Scan# 206
Delta R.T. 0.170 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 64 Resp: 1192
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

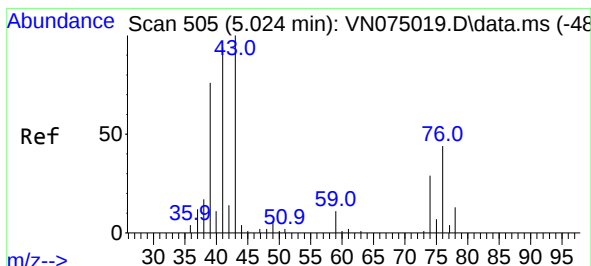
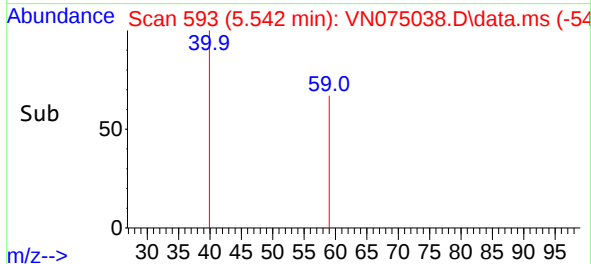
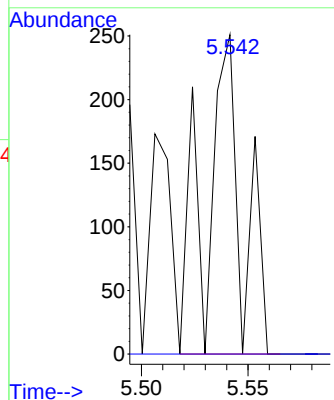
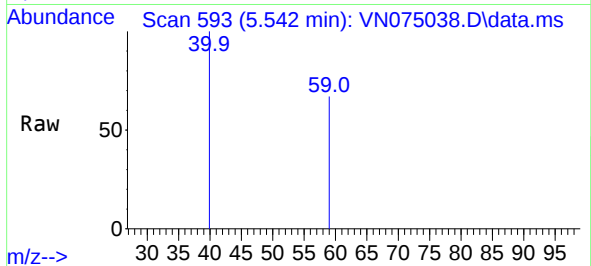




#11
Tert butyl alcohol
Concen: 0.773 ug/l
RT: 5.542 min Scan# 591
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

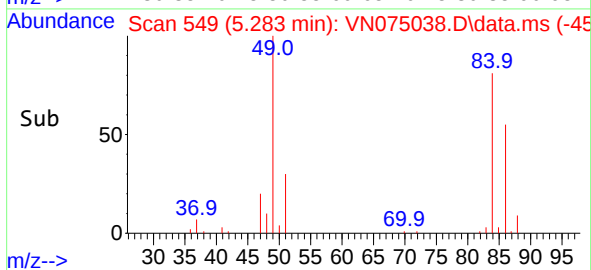
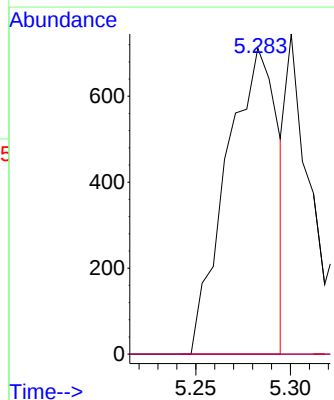
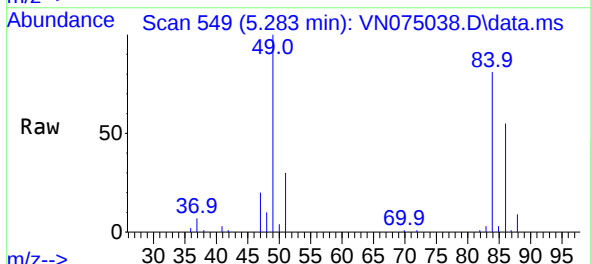
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MSVOA_N
ClientSampleId :
OK-03-102422

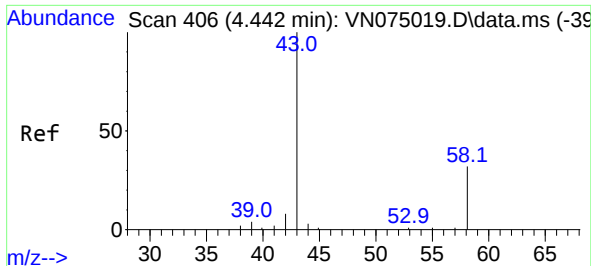
Tgt Ion: 59 Resp: 296
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 0.712 ug/l
RT: 5.283 min Scan# 549
Delta R.T. 0.259 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 41 Resp: 1344
Ion Ratio Lower Upper
41 100
39 0.0 61.0 91.4#
76 0.0 33.4 50.0#

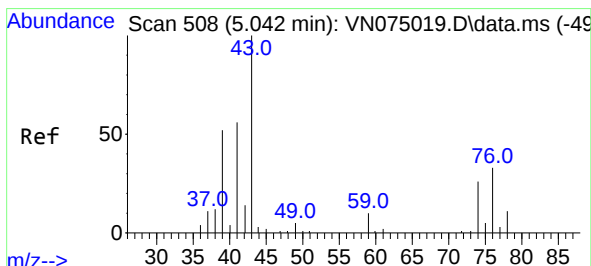
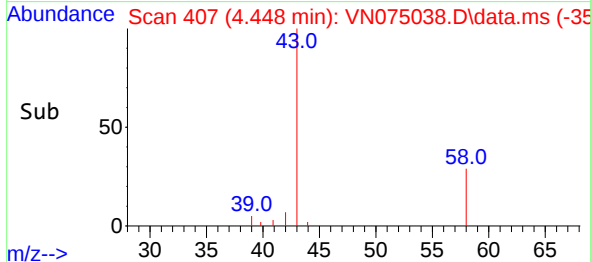
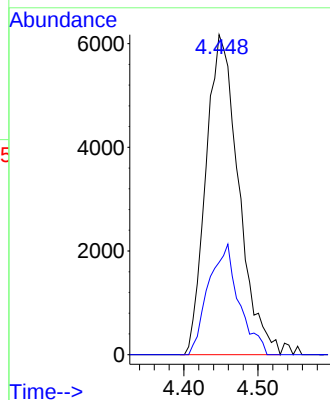
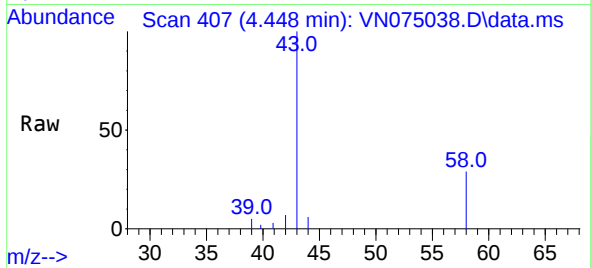




#16
Acetone
Concen: 27.203 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

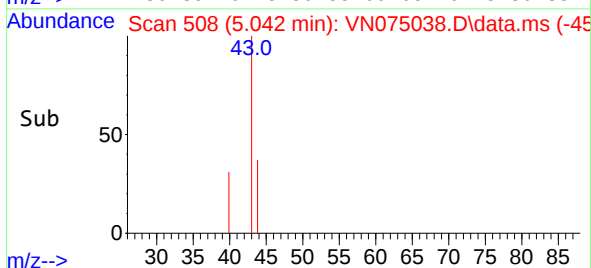
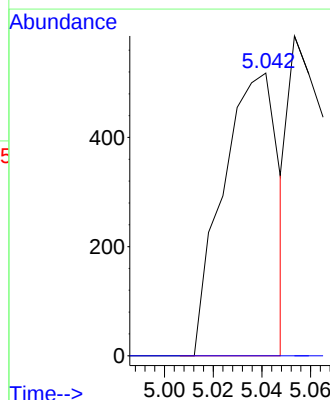
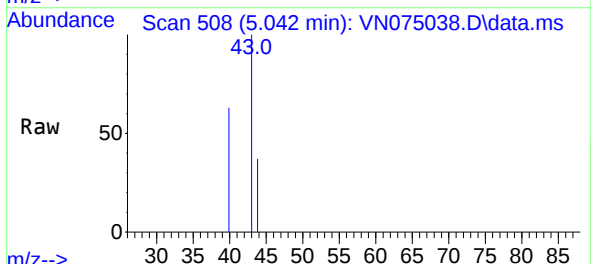
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

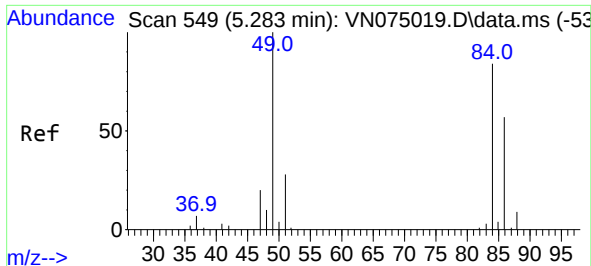
Tgt Ion: 43 Resp: 18912
Ion Ratio Lower Upper
43 100
58 28.8 25.5 38.3



#18
Methyl Acetate
Concen: 0.361 ug/l
RT: 5.042 min Scan# 508
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



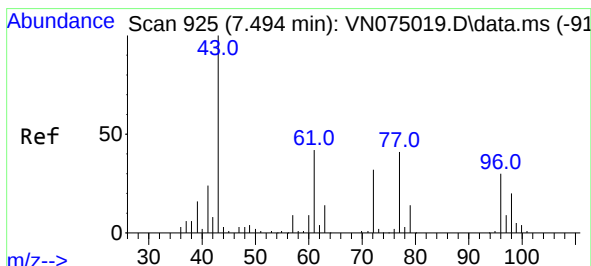
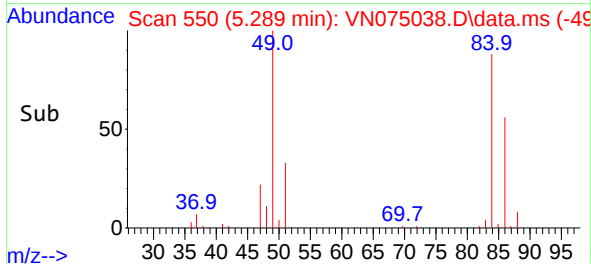
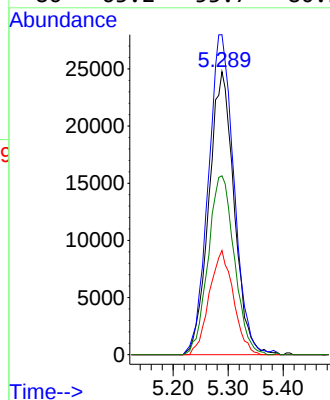
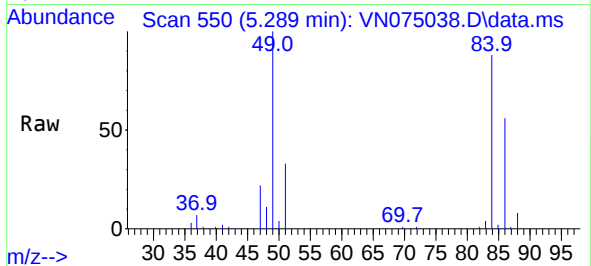


#20
Methylene Chloride
Concen: 50.905 ug/l
RT: 5.289 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

Tgt Ion: 84 Resp: 78907

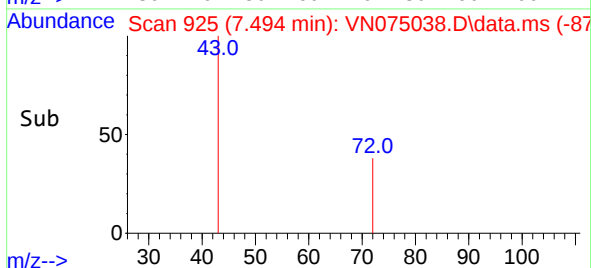
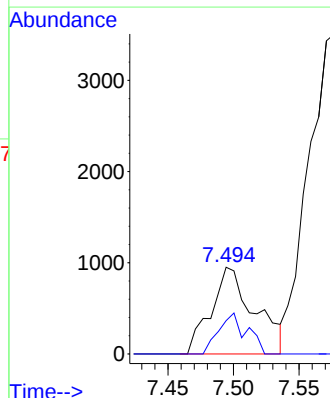
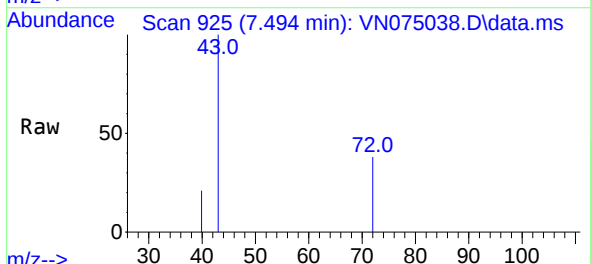
Ion	Ratio	Lower	Upper
84	100		
49	113.0	94.9	142.3
51	36.8	26.8	40.2
86	63.2	53.7	80.5

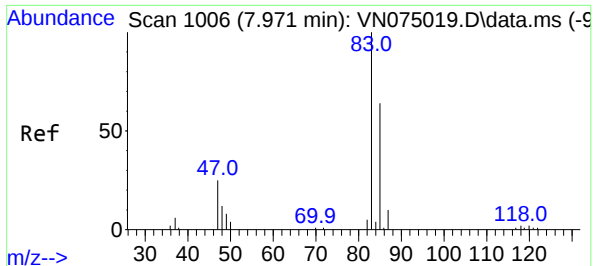


#25
2-Butanone
Concen: 2.007 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 43 Resp: 2195

Ion	Ratio	Lower	Upper
43	100		
72	38.3	25.5	38.3#





#30

Chloroform

Concen: 1.424 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

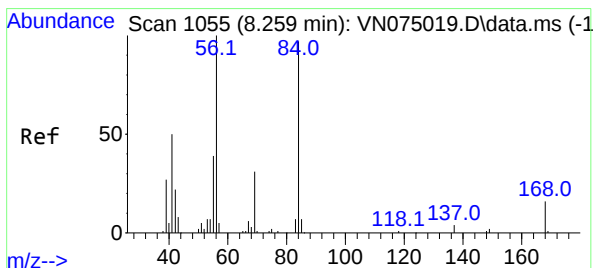
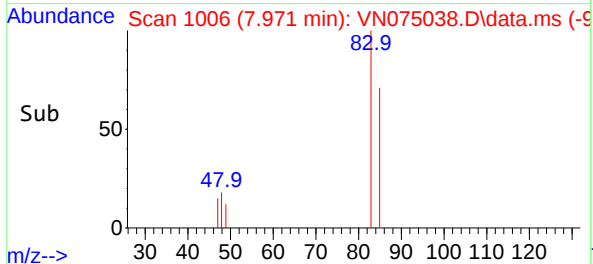
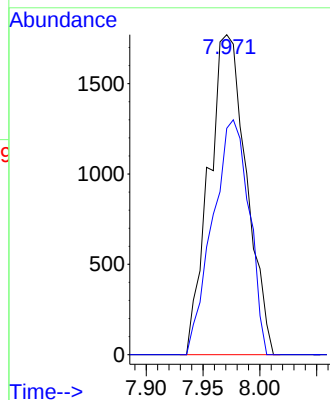
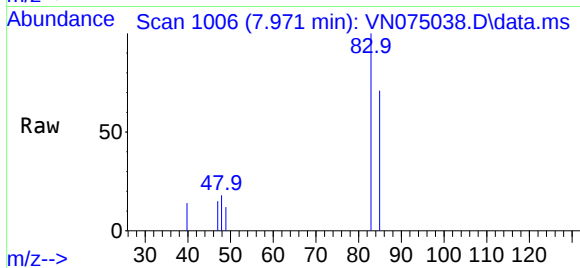
OK-03-102422

Tgt Ion: 83 Resp: 4072

Ion Ratio Lower Upper

83 100

85 70.8 51.4 77.0



#31

Cyclohexane

Concen: 1.202 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.035 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

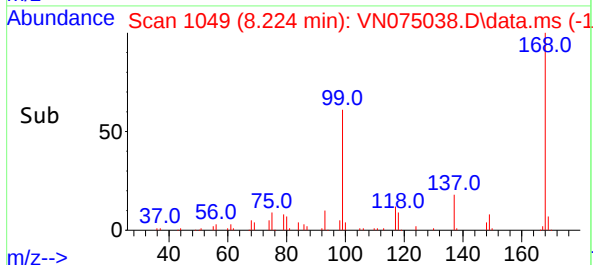
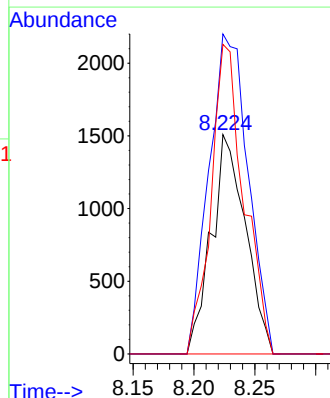
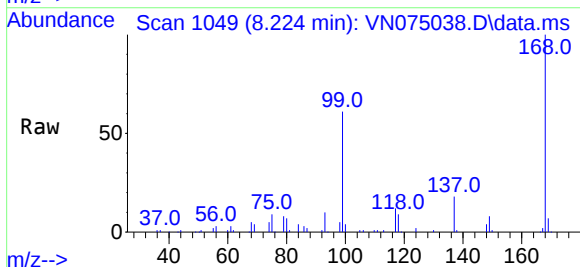
Tgt Ion: 56 Resp: 2936

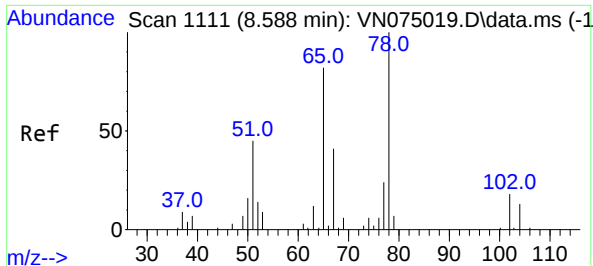
Ion Ratio Lower Upper

56 100

69 145.9 25.2 37.8#

84 141.2 77.8 116.8#

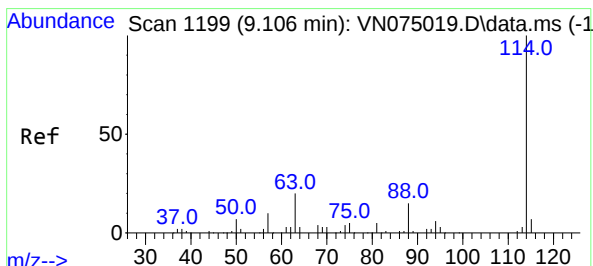
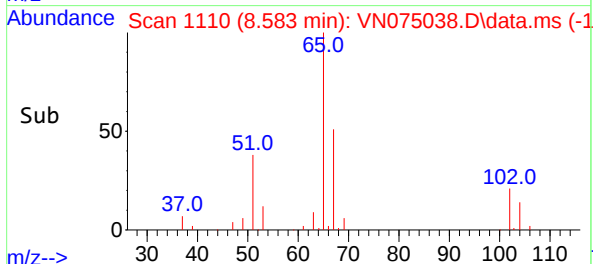
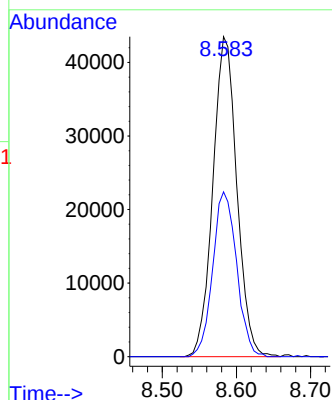
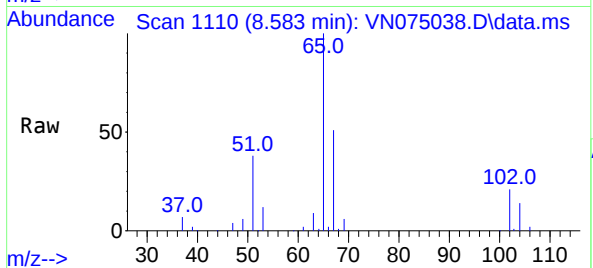




#33
 1,2-Dichloroethane-d4
 Concen: 59.444 ug/l
 RT: 8.583 min Scan# 1111
 Delta R.T. -0.005 min
 Lab File: VN075038.D
 Acq: 27 Oct 2022 14:07

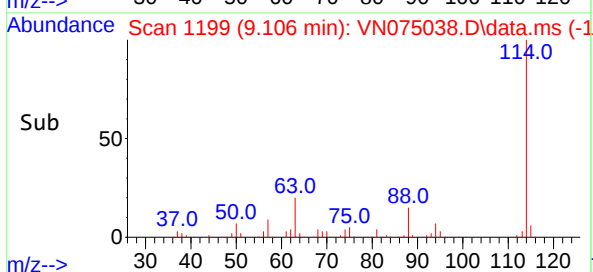
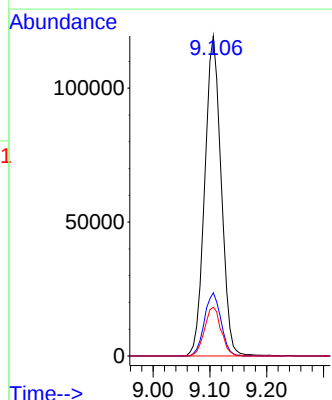
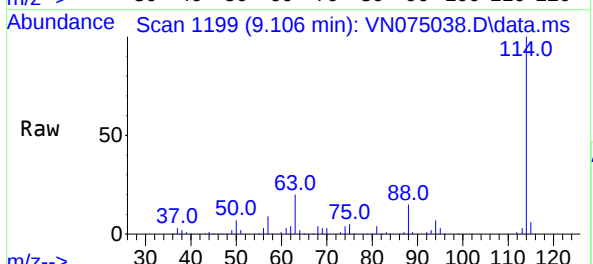
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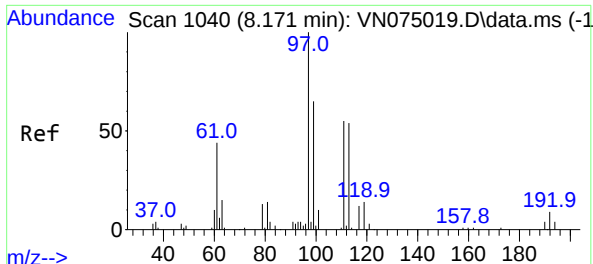
Tgt Ion: 65 Resp: 97601
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075038.D
 Acq: 27 Oct 2022 14:07

Tgt Ion: 114 Resp: 239045
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.6
 88 15.3 0.0 29.0

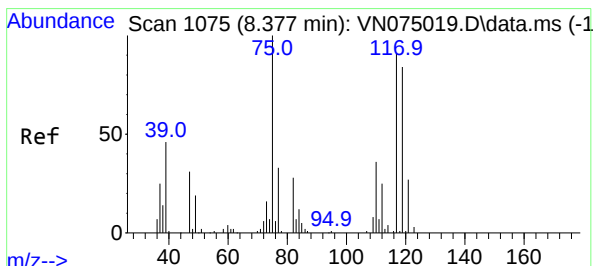
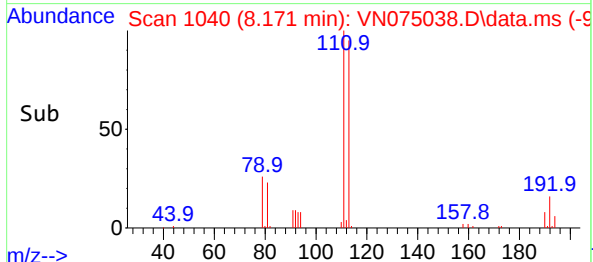
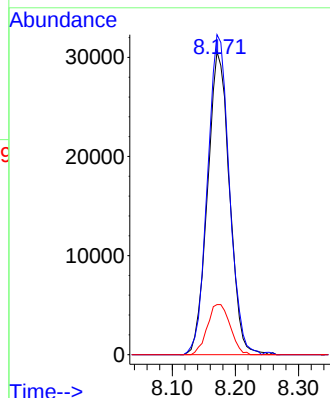
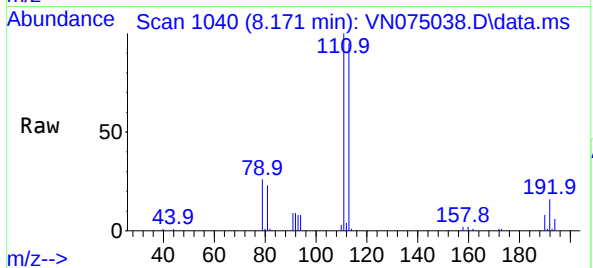




#35
Dibromofluoromethane
Concen: 52.516 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

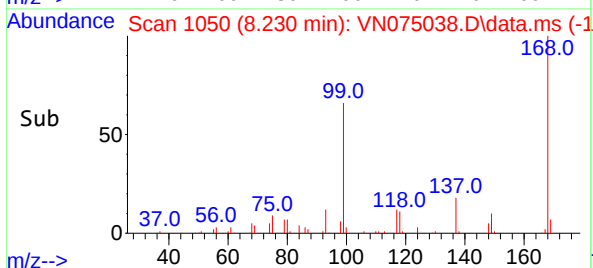
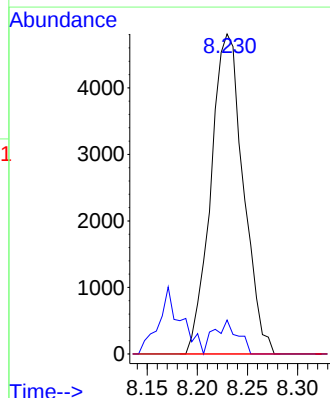
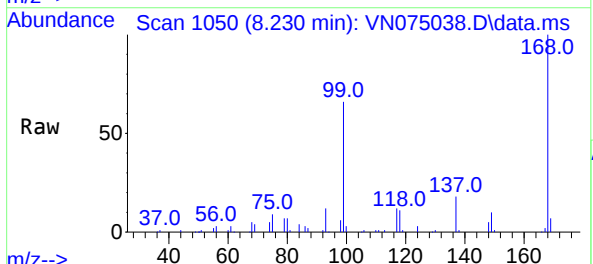
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

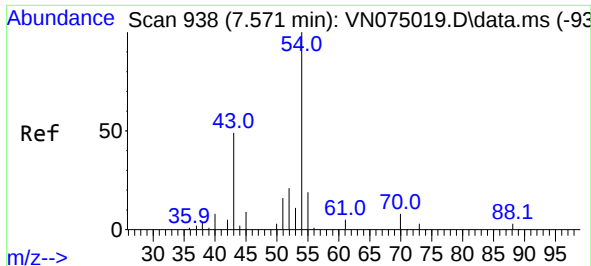
Tgt Ion:113 Resp: 73697
Ion Ratio Lower Upper
113 100
111 105.0 80.5 120.7
192 17.2 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.986 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 75 Resp: 10832
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.3#
77 0.0 24.6 37.0#

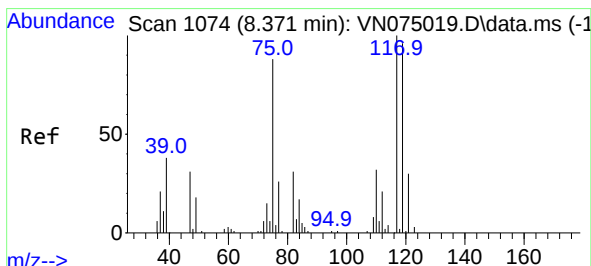
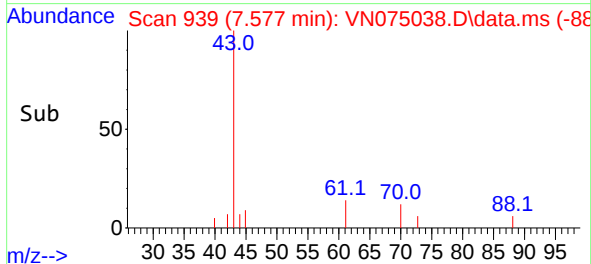
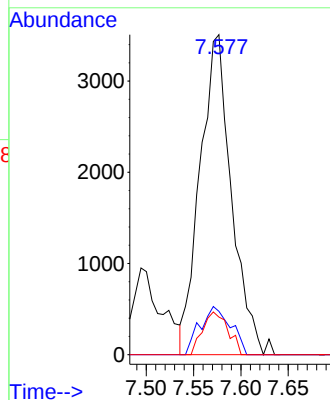
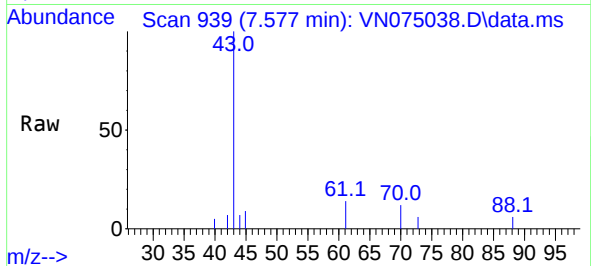




#37
Ethyl Acetate
Concen: 3.408 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

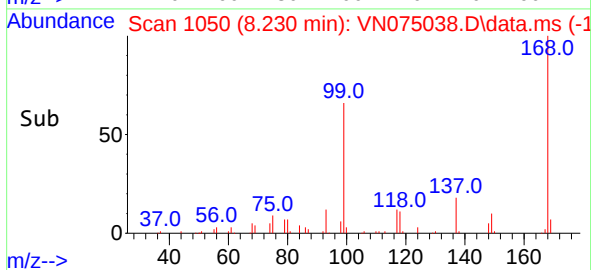
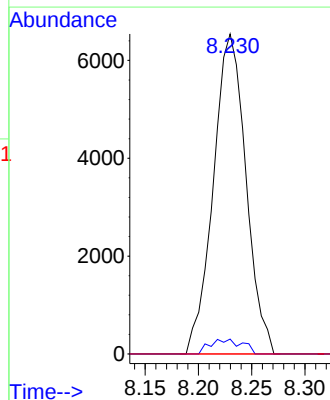
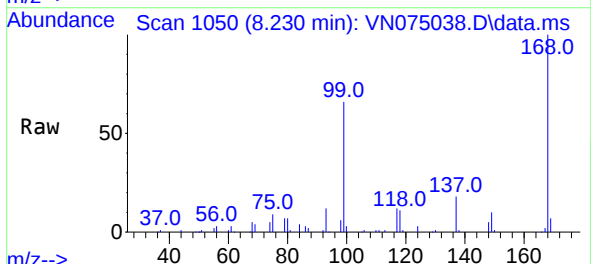
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

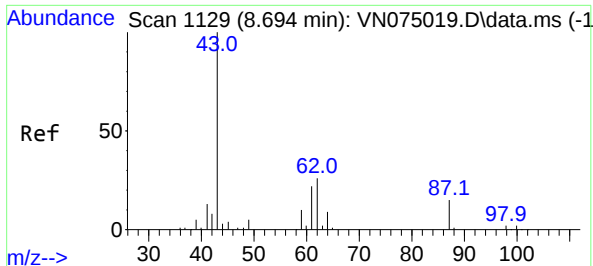
Tgt Ion:	43	Resp:	8121
Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.4
70	10.7	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.826 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion:	117	Resp:	13924
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.7	115.1#
121	0.0	23.9	35.9#

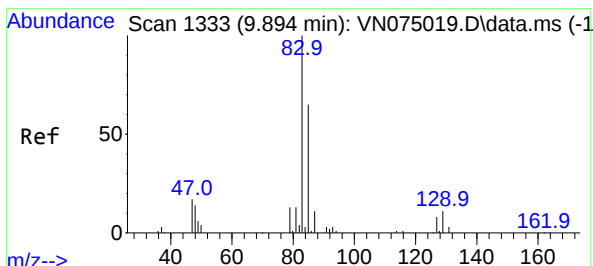
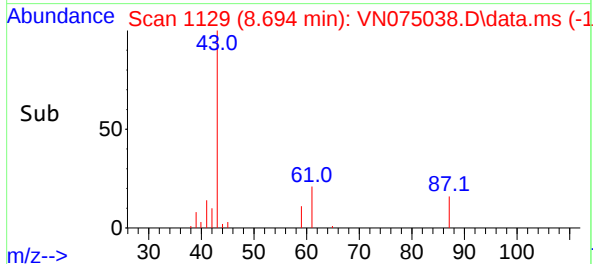
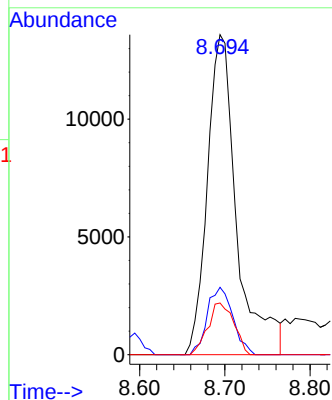
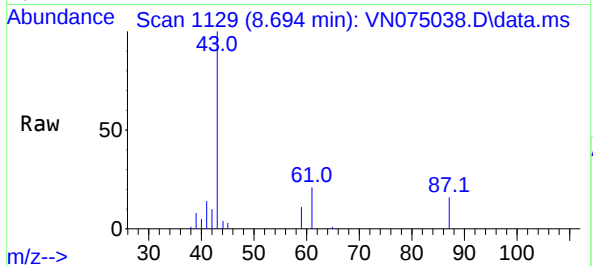




#43
Isopropyl Acetate
Concen: 8.790 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

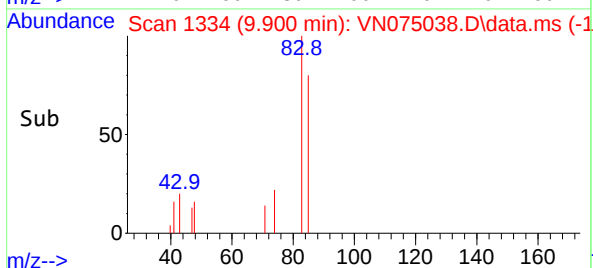
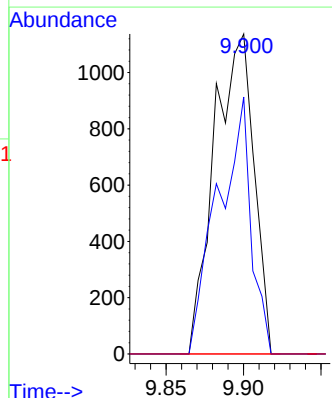
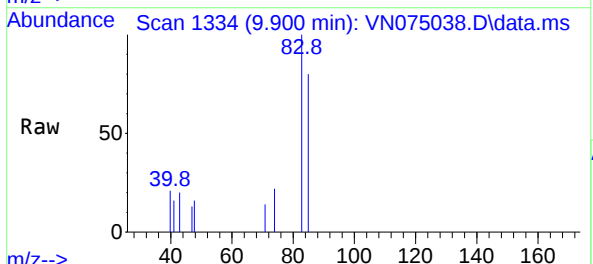
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

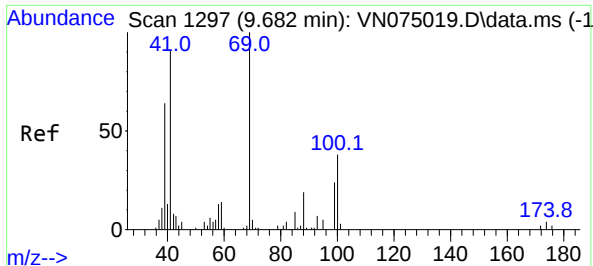
Tgt Ion: 43 Resp: 32487
Ion Ratio Lower Upper
43 100
61 18.4 22.4 33.6#
87 14.3 12.5 18.7



#47
Bromodichloromethane
Concen: 0.846 ug/l
RT: 9.900 min Scan# 1334
Delta R.T. 0.006 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 83 Resp: 2020
Ion Ratio Lower Upper
83 100
85 80.3 52.1 78.1#
127 0.0 6.6 10.0#





#48

Methyl methacrylate

Concen: 0.735 ug/l

RT: 9.671 min Scan# 1297

Delta R.T. -0.011 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

OK-03-102422

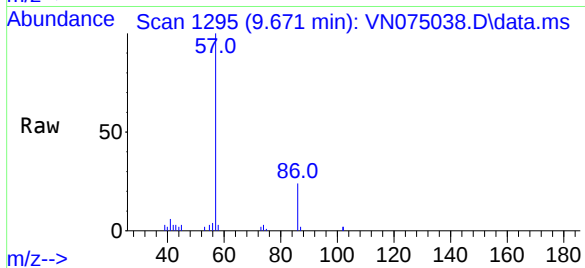
Tgt Ion: 41 Resp: 1246

Ion Ratio Lower Upper

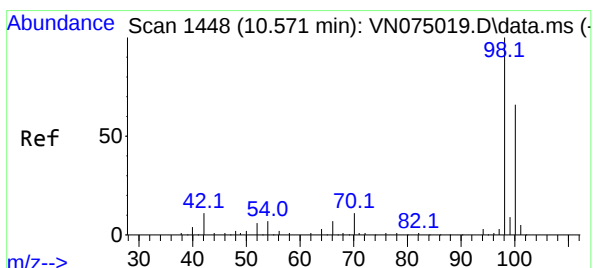
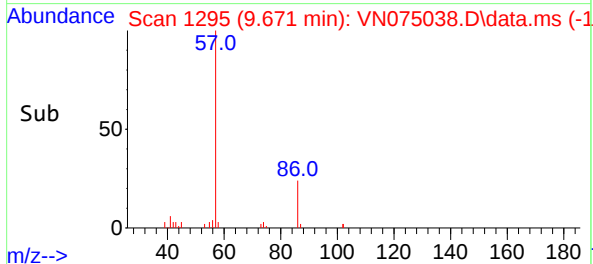
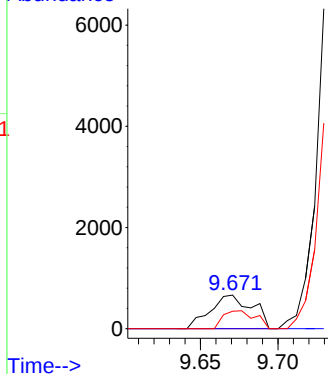
41 100

69 0.0 80.2 120.2#

39 40.8 56.2 84.2#



Abundance



#50

Toluene-d8

Concen: 54.333 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075038.D

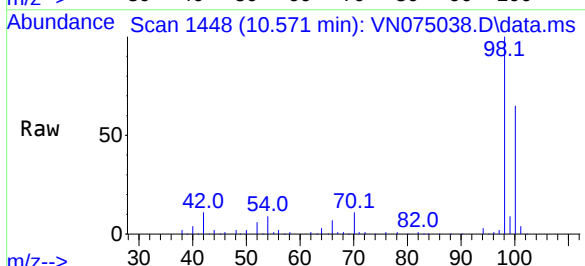
Acq: 27 Oct 2022 14:07

Tgt Ion: 98 Resp: 295816

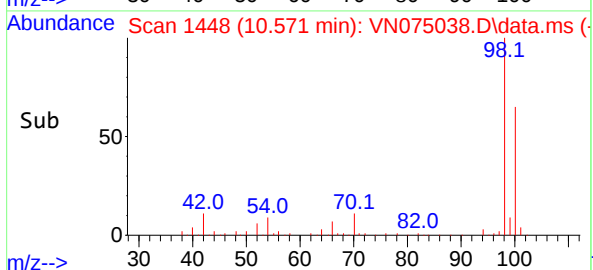
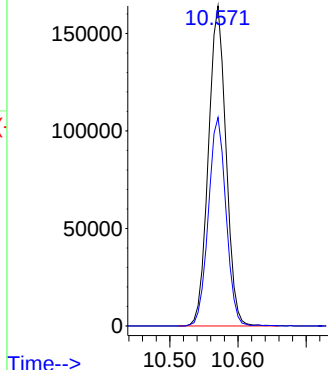
Ion Ratio Lower Upper

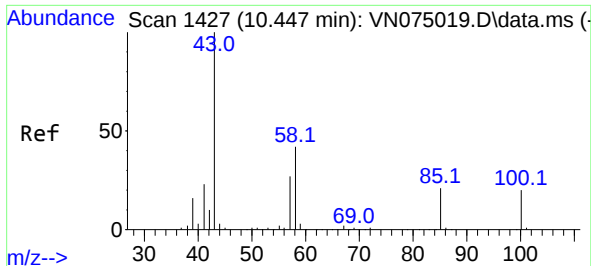
98 100

100 65.1 53.0 79.6



Abundance





#51

4-Methyl-2-Pentanone

Concen: 0.629 ug/l

RT: 10.447 min Scan# 1412

Delta R.T. 0.000 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

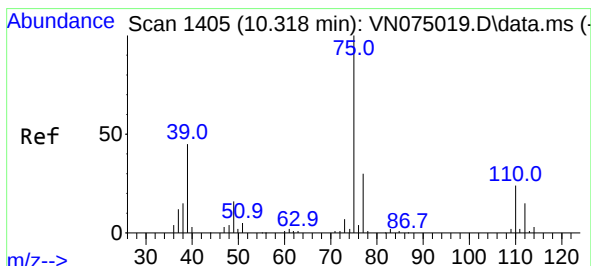
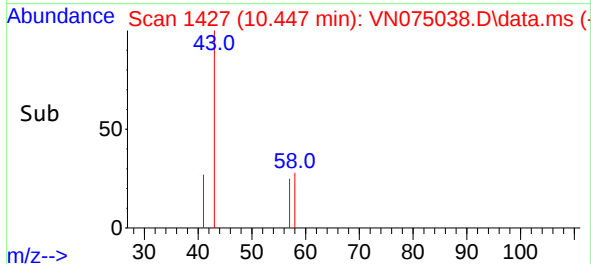
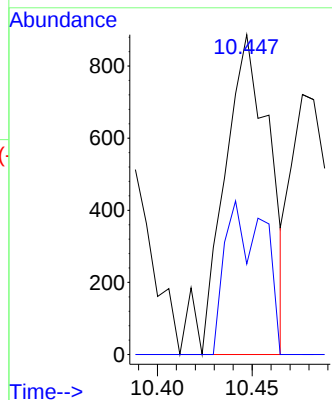
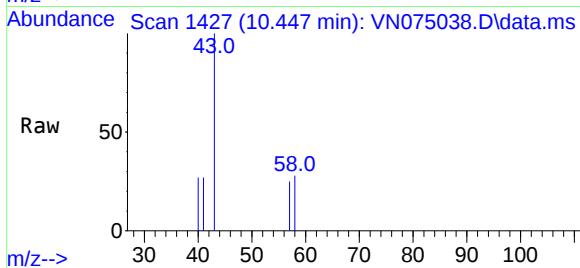
OK-03-102422

Tgt Ion: 43 Resp: 1500

Ion Ratio Lower Upper

43 100

58 40.7 33.6 50.4



#54

cis-1,3-Dichloropropene

Concen: 3.518 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.041 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

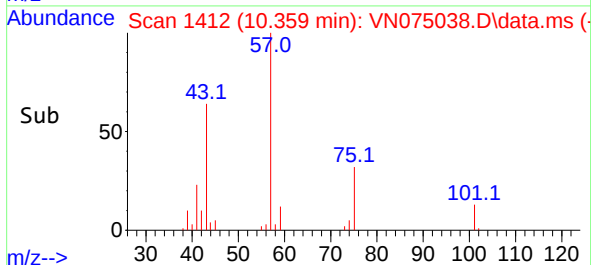
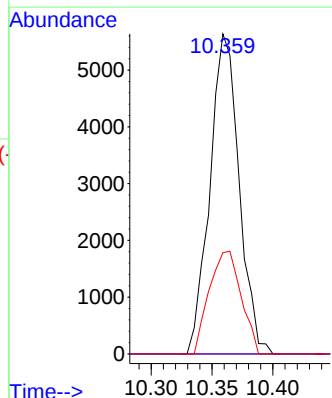
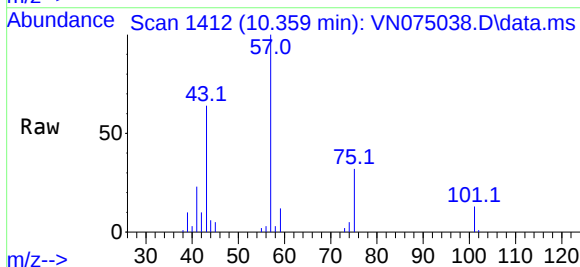
Tgt Ion: 75 Resp: 9406

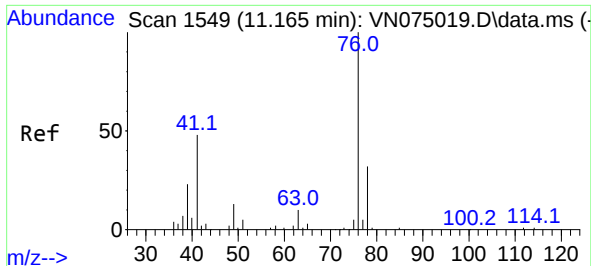
Ion Ratio Lower Upper

75 100

77 0.0 23.7 35.5#

39 31.7 35.8 53.6#





#57

1,3-Dichloropropane

Concen: 0.436 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN075038.D

Acq: 27 Oct 2022 14:07

Instrument :

MSVOA_N

ClientSampleId :

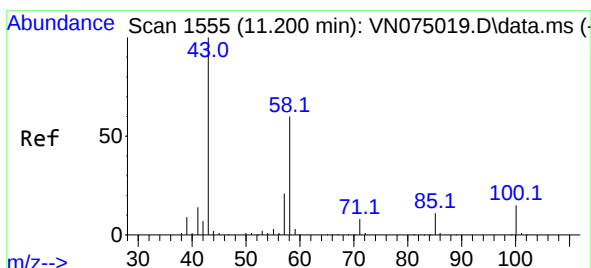
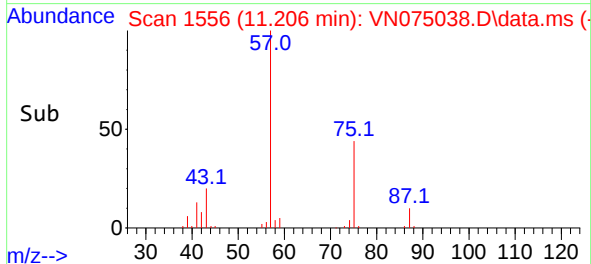
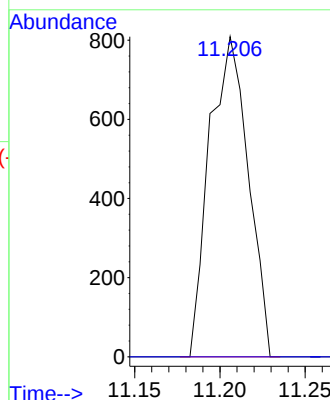
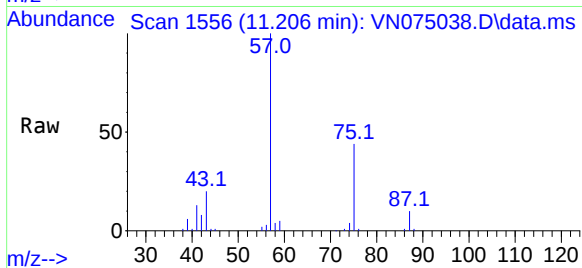
OK-03-102422

Tgt Ion: 76 Resp: 1281

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 7.943 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.006 min

Lab File: VN075038.D

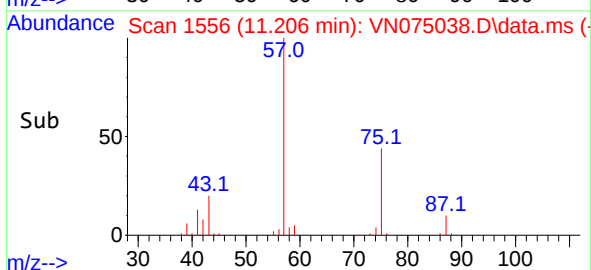
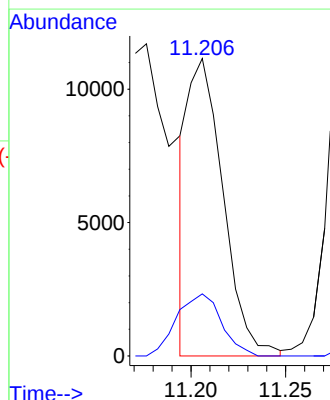
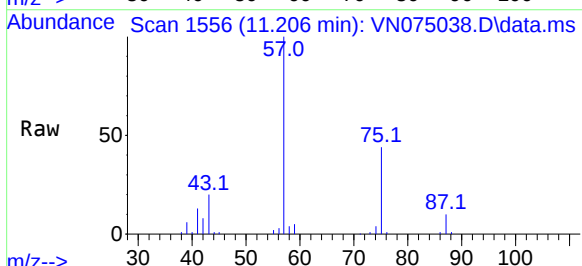
Acq: 27 Oct 2022 14:07

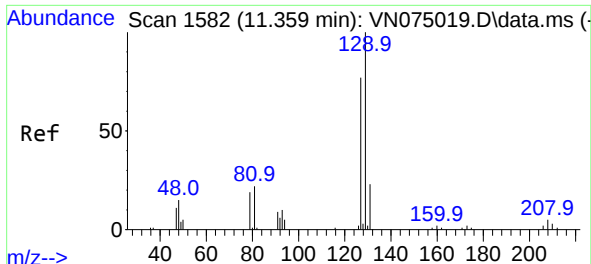
Tgt Ion: 43 Resp: 14378

Ion Ratio Lower Upper

43 100

58 26.6 29.6 88.8#

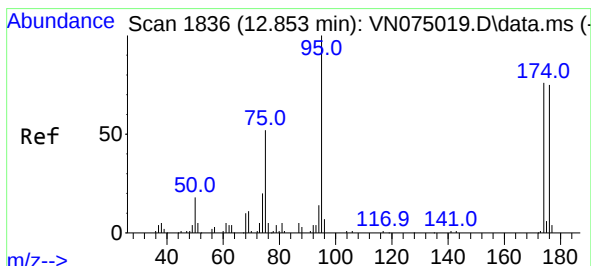
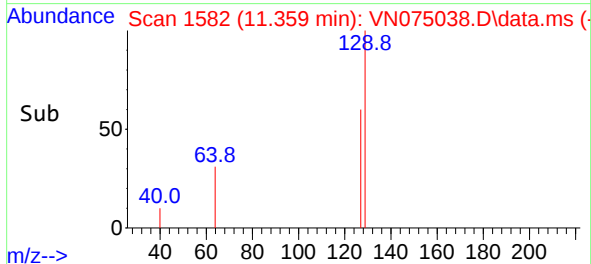
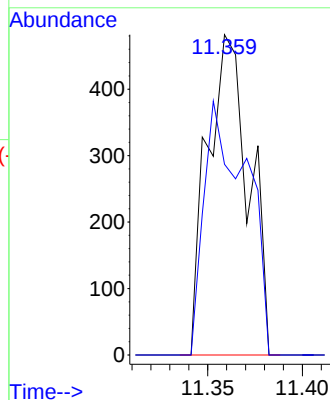
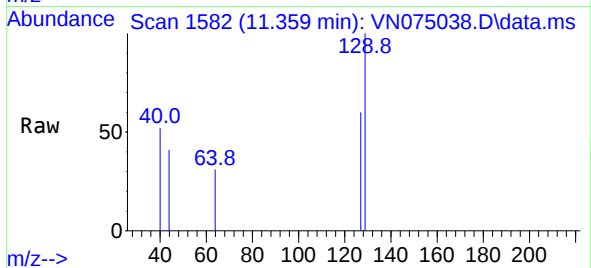




#60
Dibromochloromethane
Concen: 0.394 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

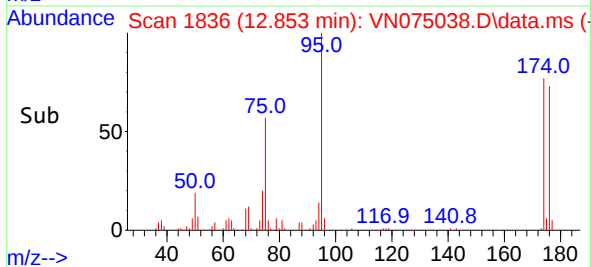
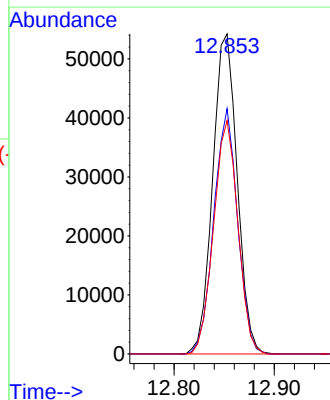
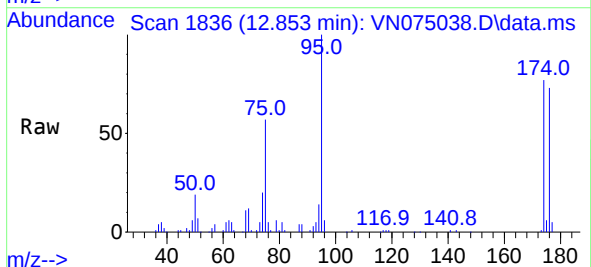
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

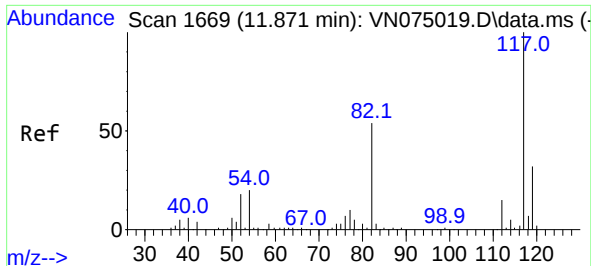
Tgt Ion:129 Resp: 732
Ion Ratio Lower Upper
129 100
127 81.4 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 48.113 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

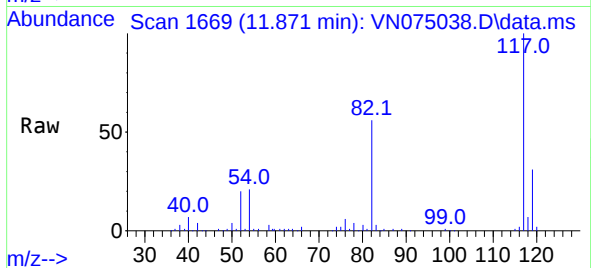
Tgt Ion: 95 Resp: 92018
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 72.2 0.0 142.2



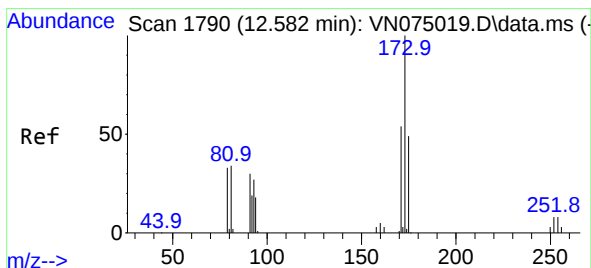
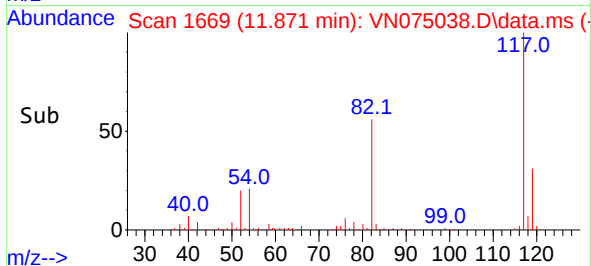
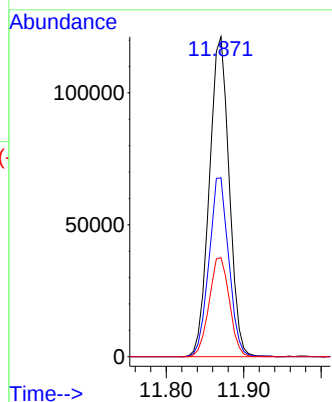


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

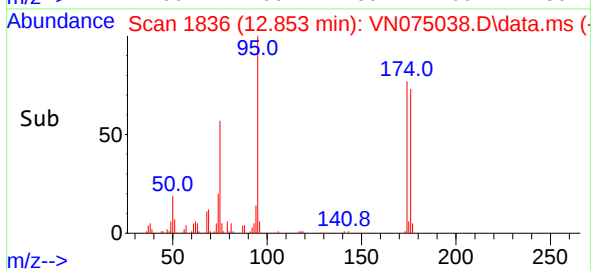
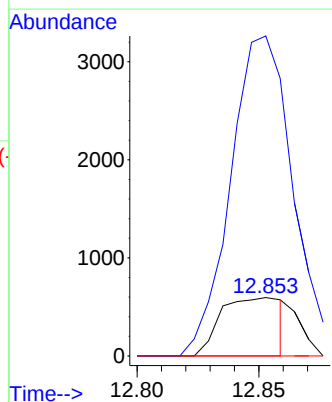
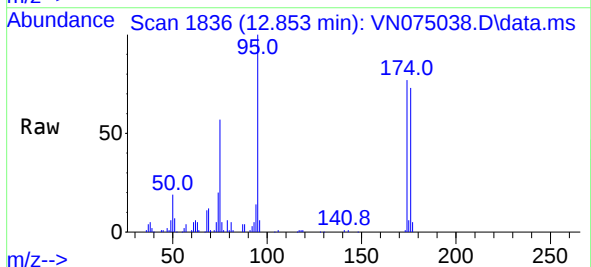


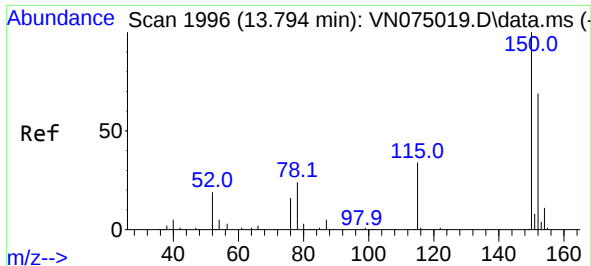
Tgt Ion:117 Resp: 215142
Ion Ratio Lower Upper
117 100
82 55.9 43.1 64.7
119 30.9 25.5 38.3



#71
Bromoform
Concen: 0.819 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion:173 Resp: 1044
Ion Ratio Lower Upper
173 100
175 457.5 24.6 74.0#
254 0.0 0.0 0.0

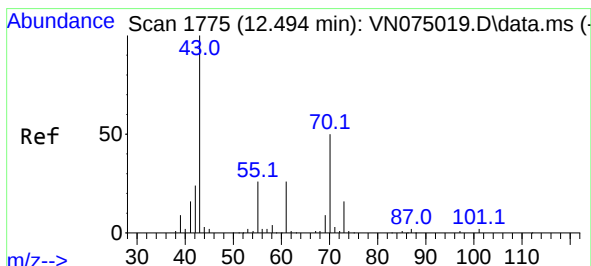
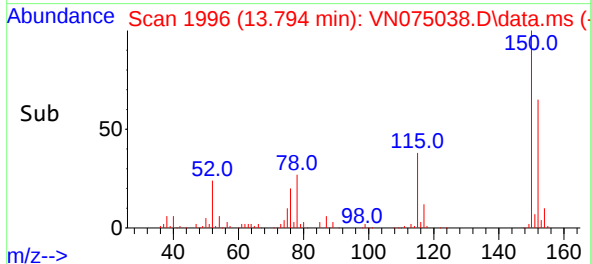
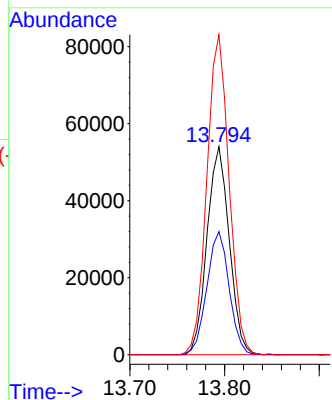
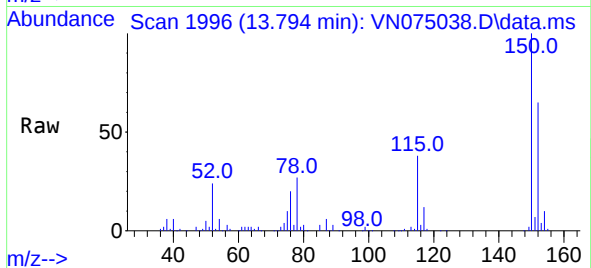




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

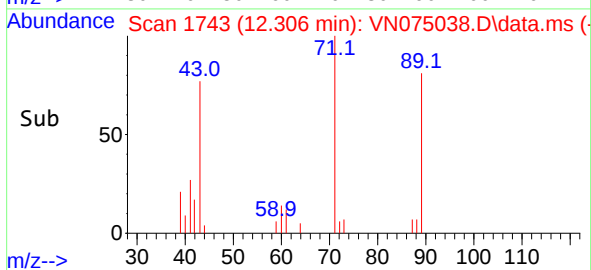
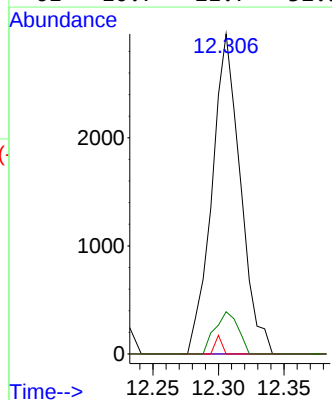
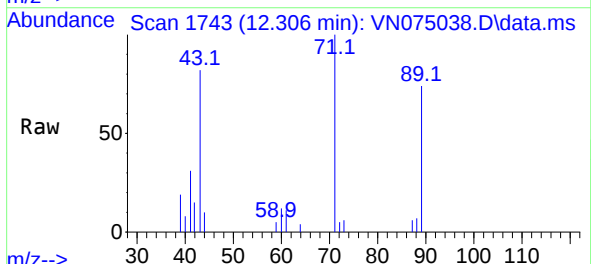
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

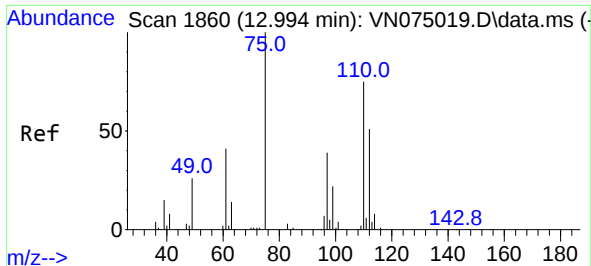
Tgt Ion:152 Resp: 88261
Ion Ratio Lower Upper
152 100
115 59.4 30.2 90.6
150 153.5 0.0 348.4



#74
N-ethyl acetate
Concen: 1.704 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Tgt Ion: 43 Resp: 4465
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 1.4 19.9 29.9#
61 10.7 21.7 32.5#

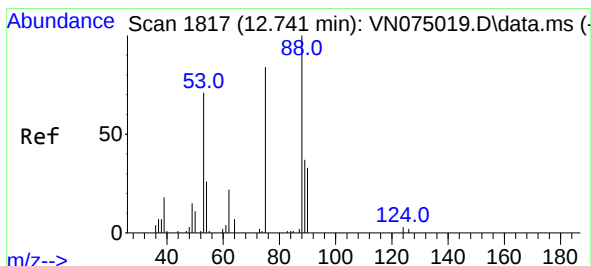
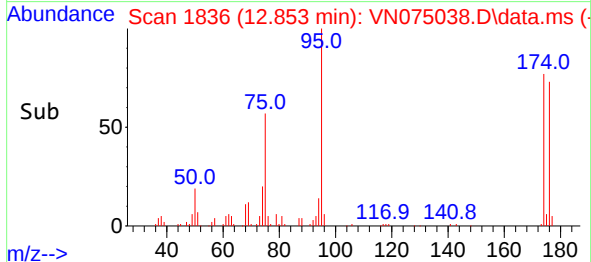
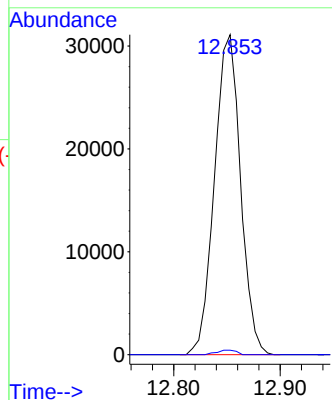
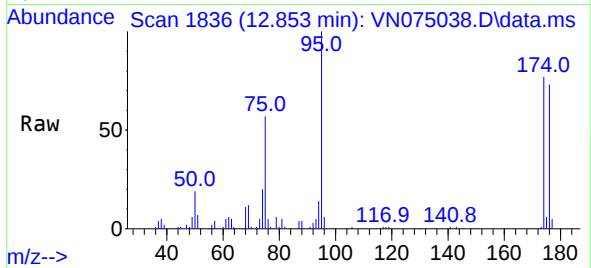




#76
1,2,3-Trichloropropane
Concen: 28.152 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

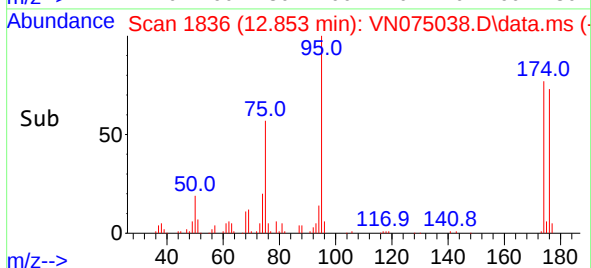
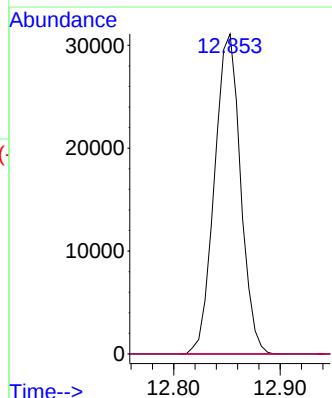
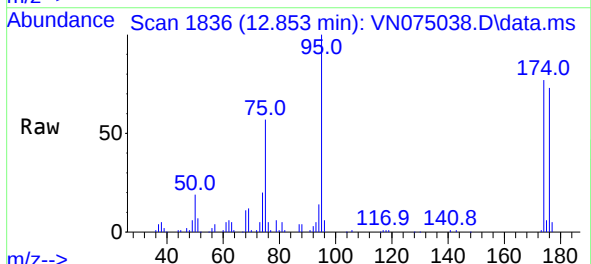
Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422

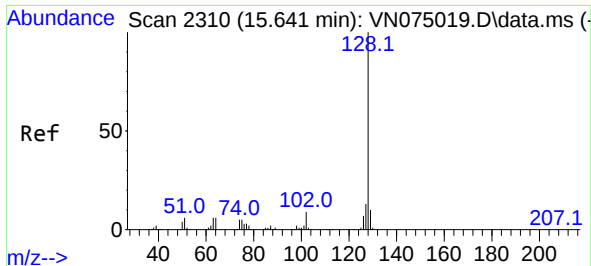
Tgt Ion: 75 Resp: 52758
Ion Ratio Lower Upper
75 100
77 1.1 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.267 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

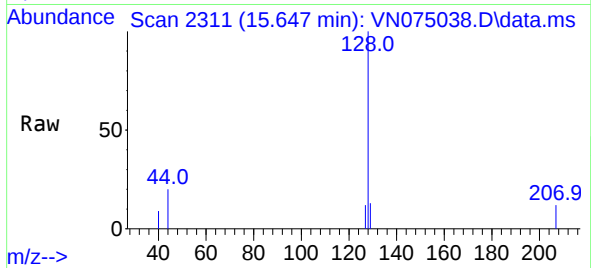
Tgt Ion: 75 Resp: 52758
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.664 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075038.D
Acq: 27 Oct 2022 14:07

Instrument :
MSVOA_N
ClientSampleId :
OK-03-102422



Tgt Ion:128 Resp: 3336
Ion Ratio Lower Upper
128 100
127 8.2 10.4 15.6#
129 4.3 8.6 12.8#

