

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074705.D
 Acq On : 01 Oct 2022 10:04
 Operator : JC\MD
 Sample : sample
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Oct 03 02:13:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

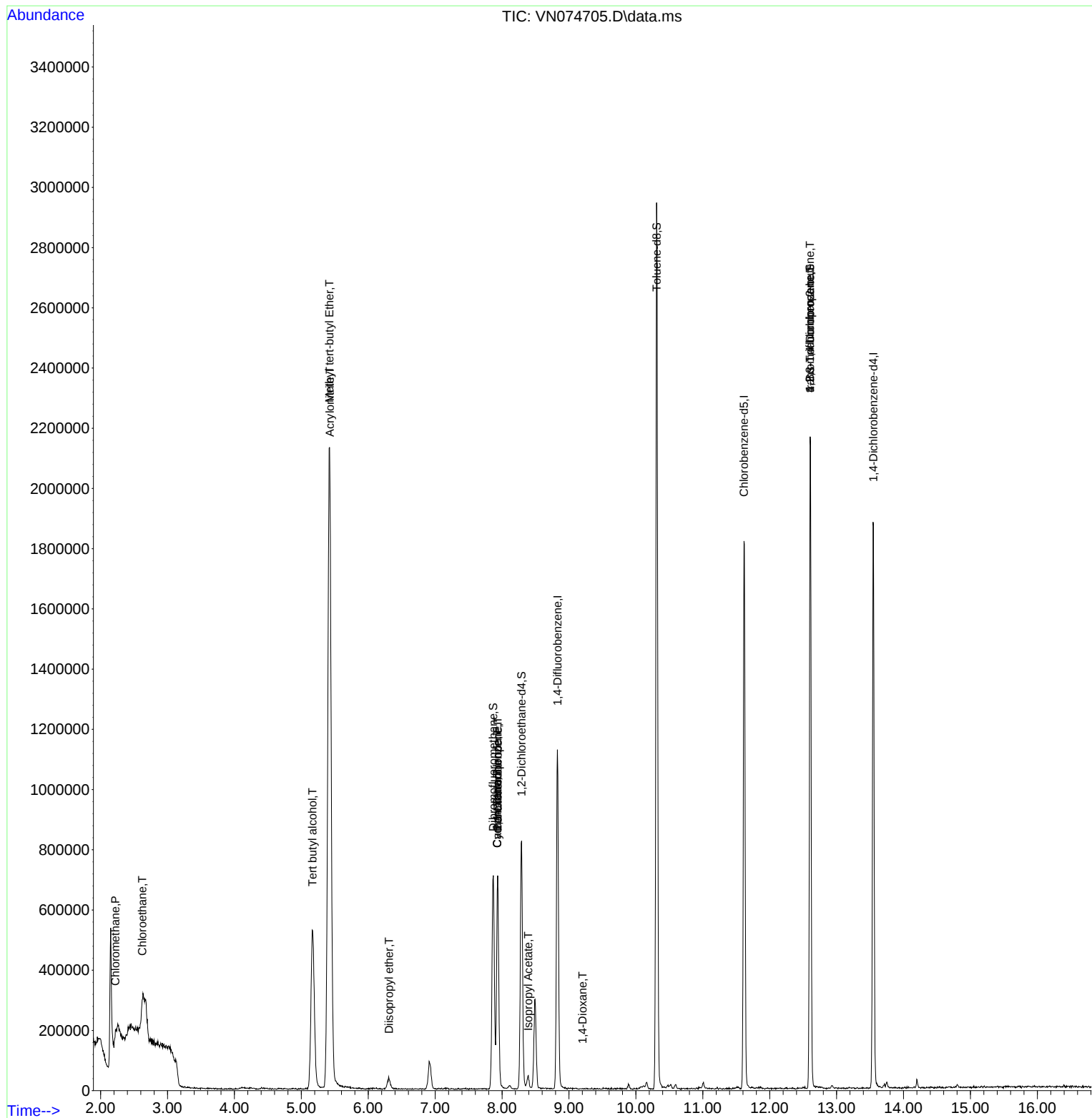
Internal Standards						
1) Pentafluorobenzene	7.933	168	488092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.827	114	951472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.615	117	967544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	457584	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.292	65	615637	50.327	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	7.869	113	509629	50.604	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.200%			
50) Toluene-d8	10.310	98	1933038	45.632	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.260%			
62) 4-Bromofluorobenzene	12.604	95	650952	48.462	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.920%			
Target Compounds						Qvalue
3) Chloromethane	2.222	50	3787	0.253	ug/l #	87
6) Chloroethane	2.622	64	35294	2.116	ug/l #	61
8) Diethyl Ether	3.792	74	151	Below Cal		89
11) Tert butyl alcohol	5.169	59	1014733	310.611	ug/l	99
13) Acrolein	3.875	56	111	Below Cal	#	16
15) Acrylonitrile	5.428	53	40964	5.314	ug/l #	32
16) Acetone	4.110	43	2756	Below Cal	#	42
19) Methyl tert-butyl Ether	5.422	73	3618195	103.994	ug/l	100
20) Methylene Chloride	4.904	84	337	Below Cal	#	10
22) Diisopropyl ether	6.310	45	44580	1.113	ug/l #	88
31) Cyclohexane	7.927	56	16217	0.816	ug/l #	54
36) 1,1-Dichloropropene	7.933	75	48023	2.978	ug/l #	47
38) Carbon Tetrachloride	7.927	117	56946	3.854	ug/l #	16
43) Isopropyl Acetate	8.392	43	8538	0.224	ug/l #	62
49) 1,4-Dioxane	9.204	88	305	1.017	ug/l #	11
74) N-amyl acetate	12.274	43	265	Below Cal	#	29
75) 1,1,2,2-Tetrachloroethane	12.721	83	56	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	386125	37.117	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.604	75	386125	70.516	ug/l #	11
94) Hexachlorobutadiene	15.345	225	116	Below Cal	#	18

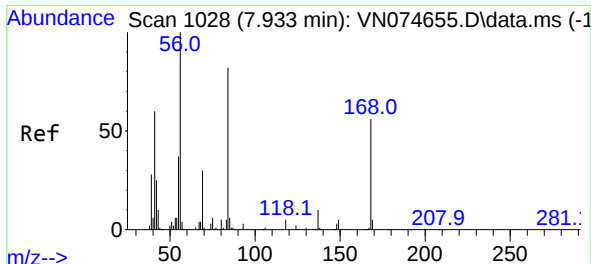
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 30 07:44:59 2022
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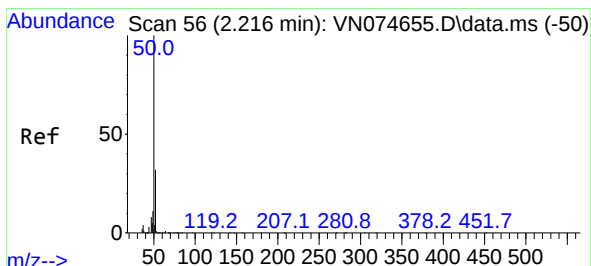
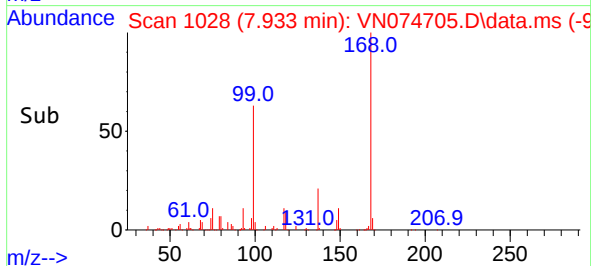
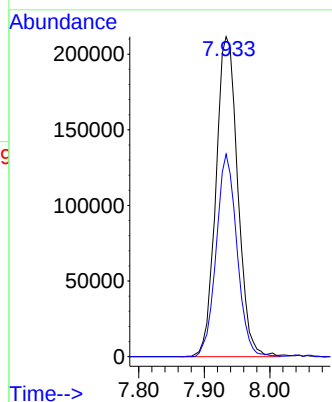
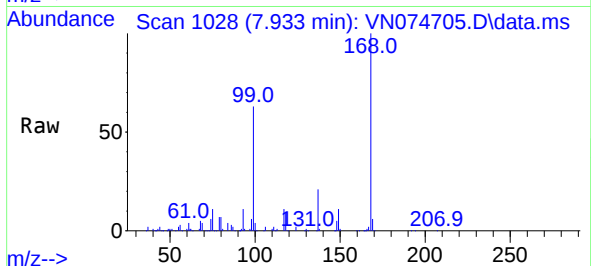




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

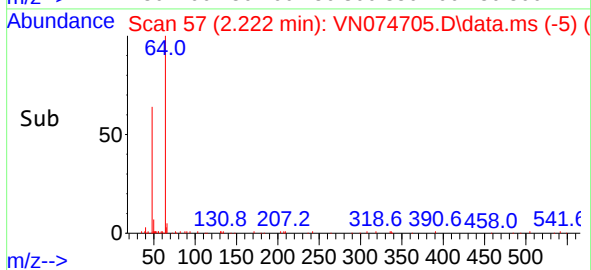
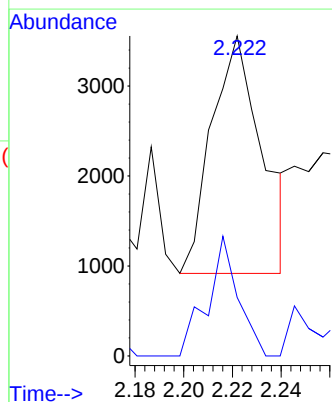
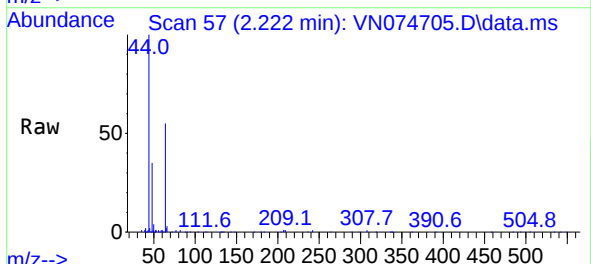
Instrument :
MSVOA_N
ClientSampleId :
BFB

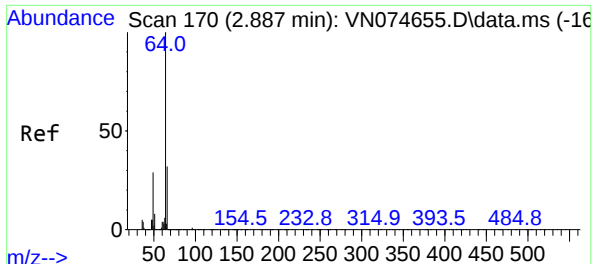
Tgt Ion:168 Resp: 488092
Ion Ratio Lower Upper
168 100
99 63.3 42.3 63.5



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 50 Resp: 3787
Ion Ratio Lower Upper
50 100
52 24.6 25.7 38.5#

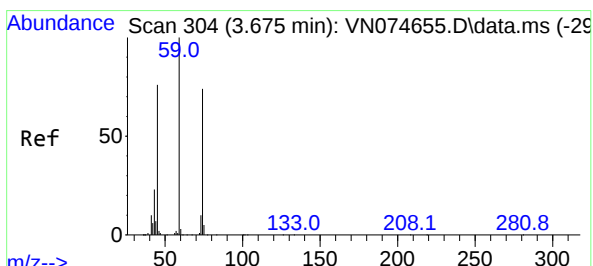
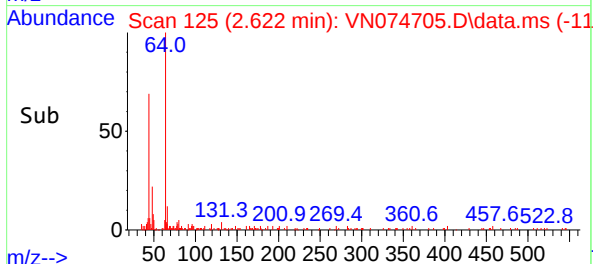
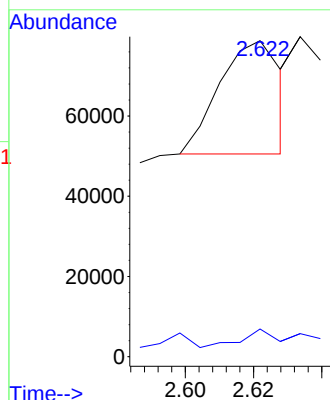
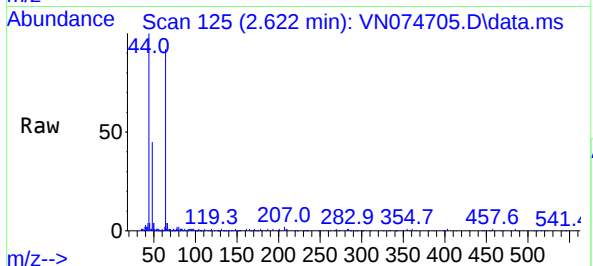




#6
Chloroethane
Concen: 2.116 ug/l
RT: 2.622 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

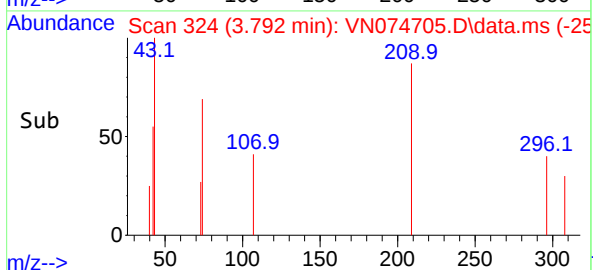
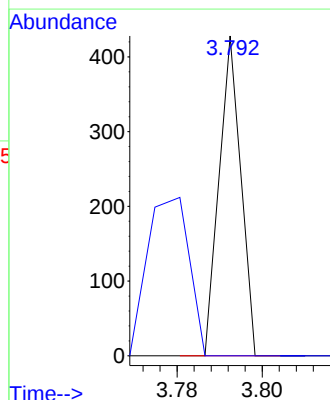
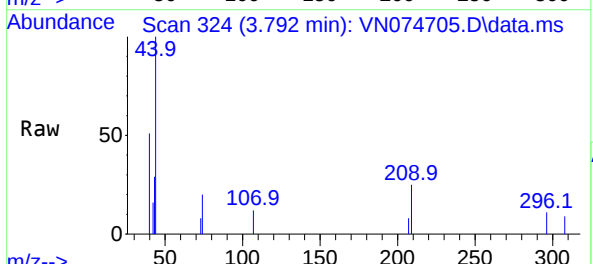
Instrument :
MSVOA_N
ClientSampleId :
BFB

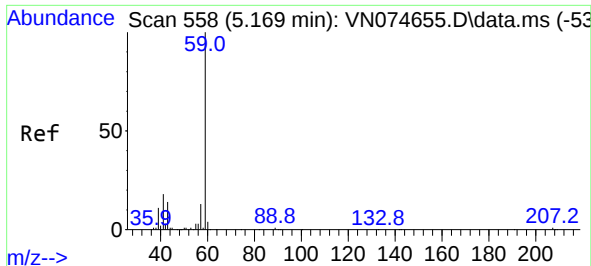
Tgt Ion: 64 Resp: 35294
Ion Ratio Lower Upper
64 100
66 11.1 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.792 min Scan# 324
Delta R.T. 0.117 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 74 Resp: 151
Ion Ratio Lower Upper
74 100
45 96.0 42.9 128.5

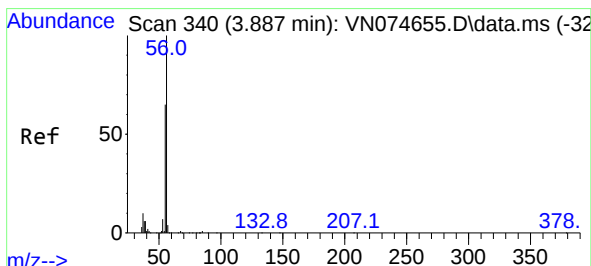
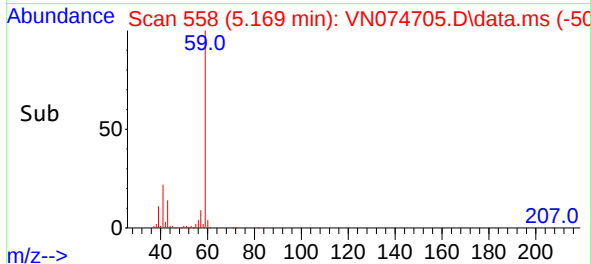
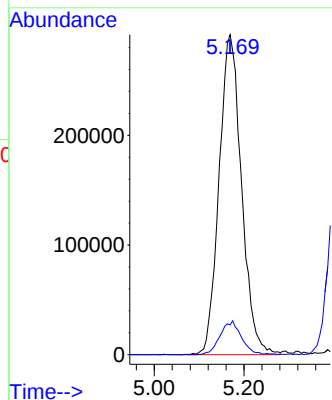
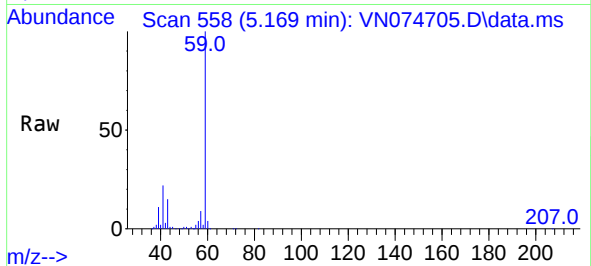




#11
Tert butyl alcohol
Concen: 310.611 ug/l
RT: 5.169 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

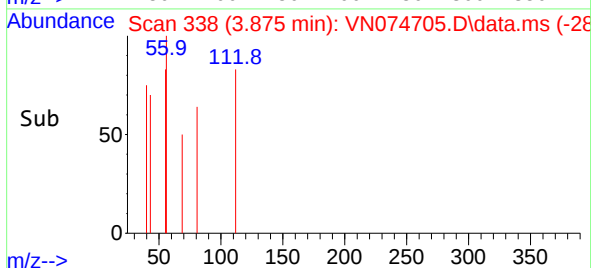
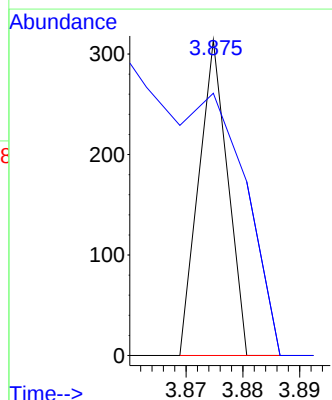
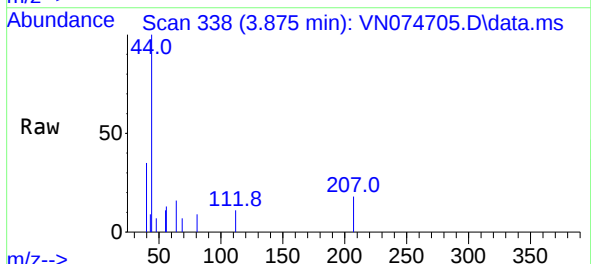
Instrument :
MSVOA_N
ClientSampleId :
BFB

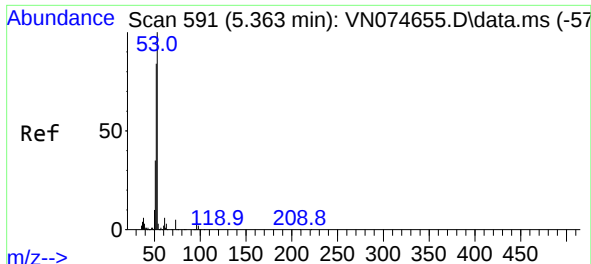
Tgt Ion: 59 Resp: 1014733
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5



#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 338
Delta R.T. -0.012 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

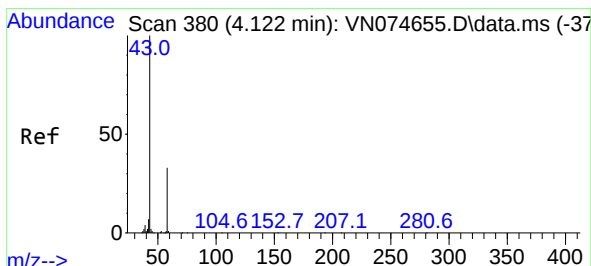
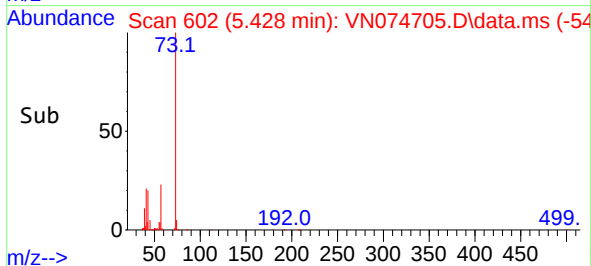
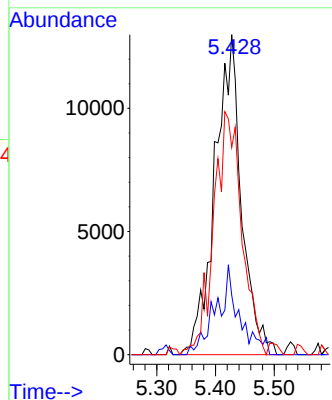
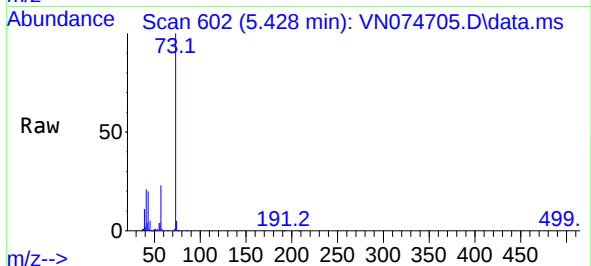




#15
Acrylonitrile
Concen: 5.314 ug/l
RT: 5.428 min Scan# 60
Delta R.T. 0.065 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

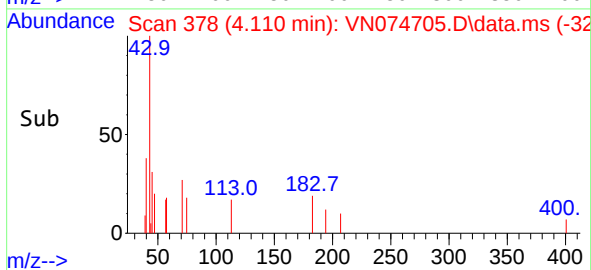
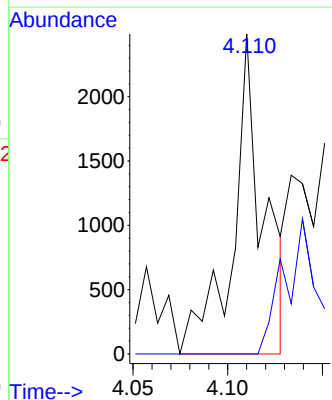
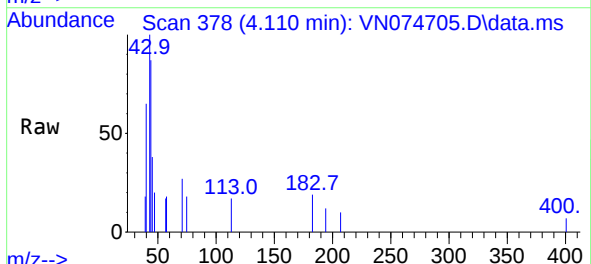
Instrument :
MSVOA_N
ClientSampleId :
BFB

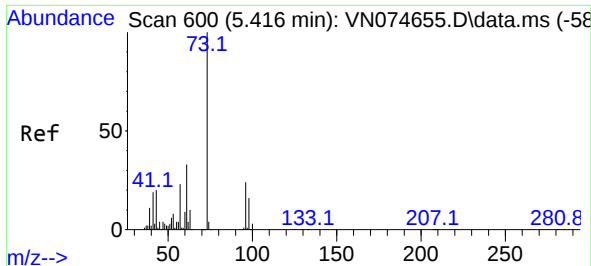
Tgt Ion: 53 Resp: 40964
Ion Ratio Lower Upper
53 100
52 24.2 66.4 99.6#
51 79.5 28.5 42.7#



#16
Acetone
Concen: Below Cal
RT: 4.110 min Scan# 378
Delta R.T. -0.012 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 43 Resp: 2756
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

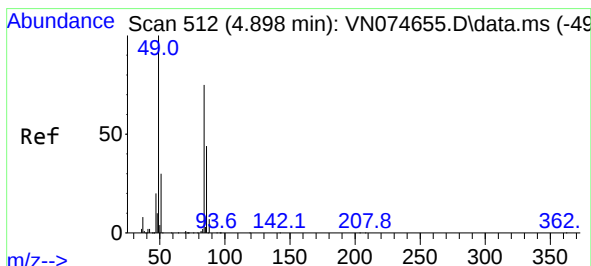
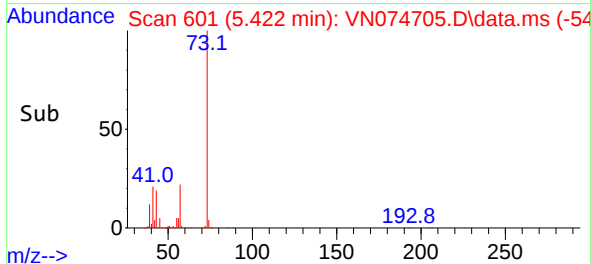
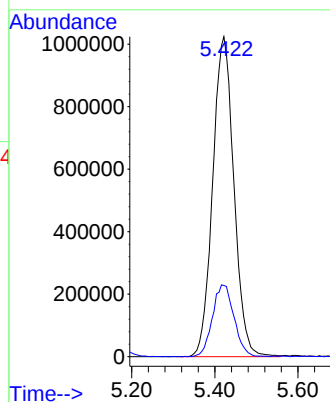
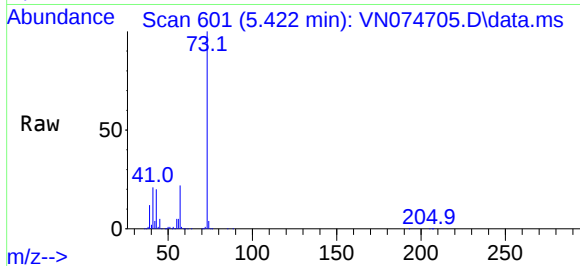




#19
Methyl tert-butyl Ether
Concen: 103.994 ug/l
RT: 5.422 min Scan# 601
Delta R.T. 0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

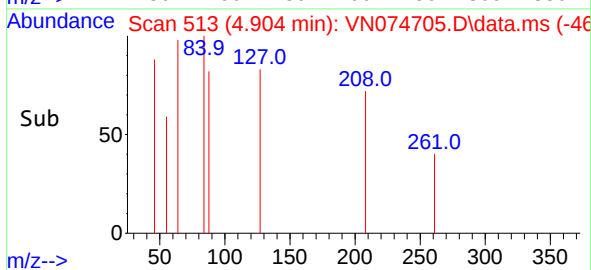
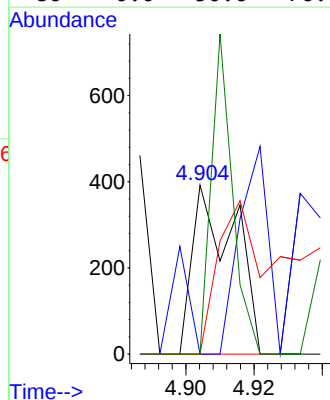
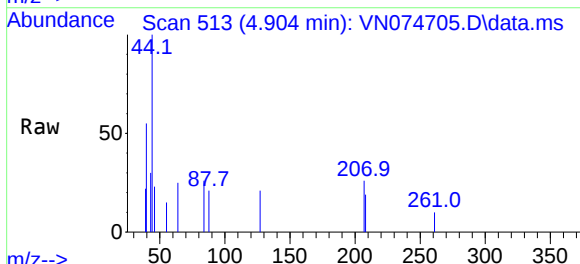
Instrument :
MSVOA_N
ClientSampleId :
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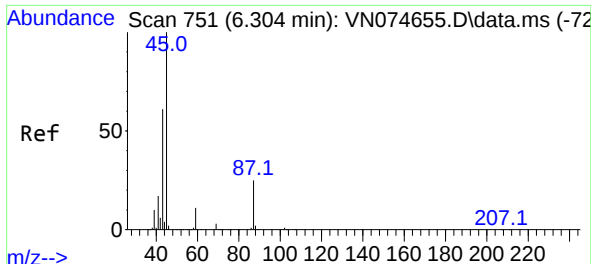
Tgt Ion: 73 Resp: 3618195
Ion Ratio Lower Upper
73 100
57 22.2 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 84 Resp: 337
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#

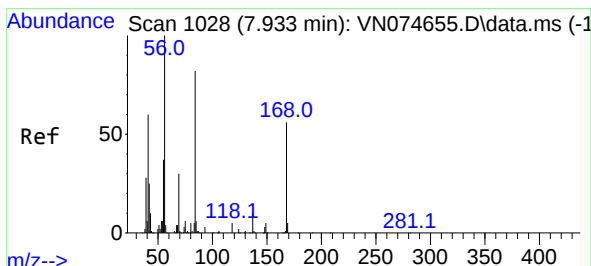
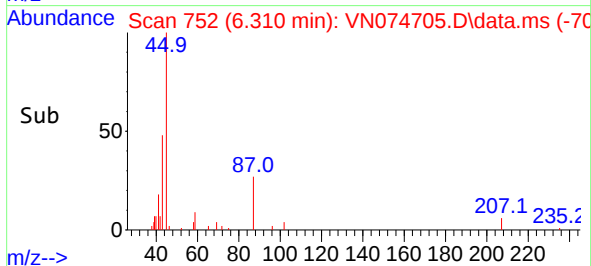
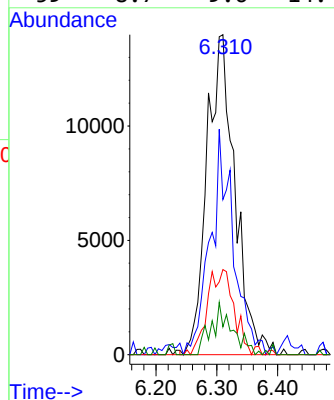
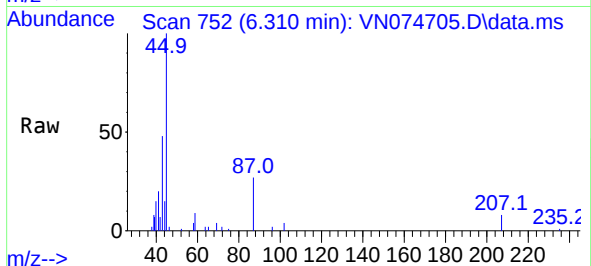




#22
Diisopropyl ether
Concen: 1.113 ug/l
RT: 6.310 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

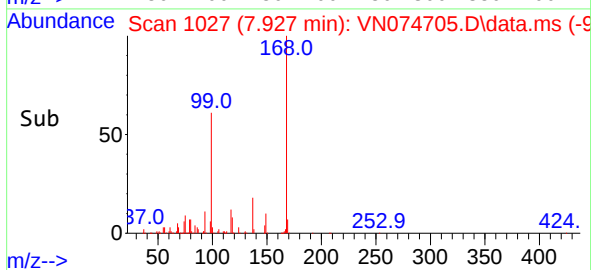
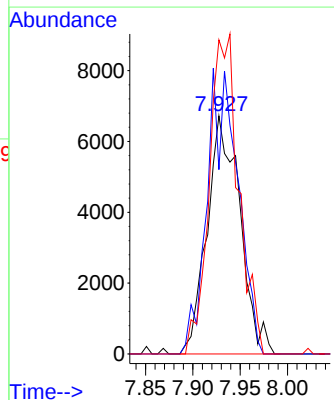
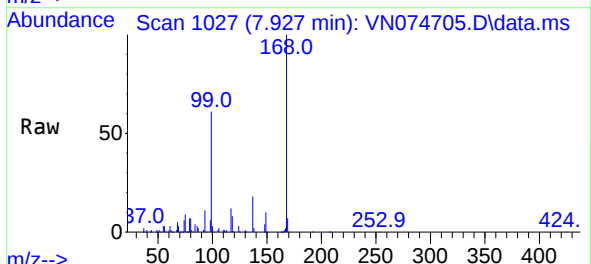
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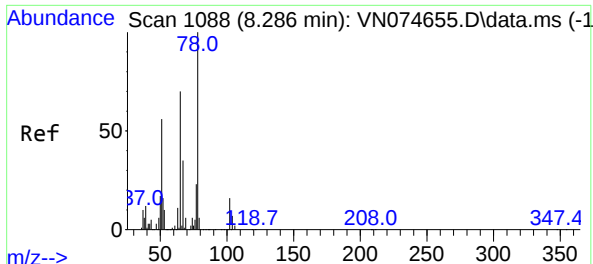
Tgt Ion: 45 Resp: 44580
Ion Ratio Lower Upper
45 100
43 46.3 46.6 70.0#
87 26.6 24.3 36.5
59 8.7 9.6 14.4#



#31
Cyclohexane
Concen: 0.816 ug/l
RT: 7.927 min Scan# 1027
Delta R.T. -0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 56 Resp: 16217
Ion Ratio Lower Upper
56 100
69 77.4 27.8 41.8#
84 132.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.327 ug/l

RT: 8.292 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VN074705.D

Acq: 01 Oct 2022 10:04

Instrument :

MSVOA_N

ClientSampleId :

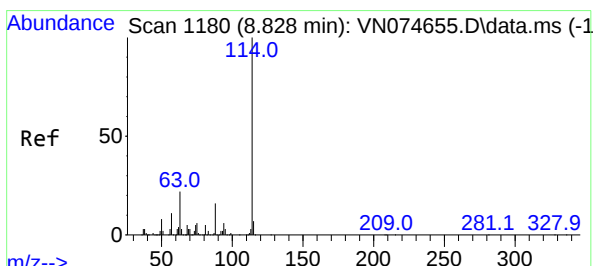
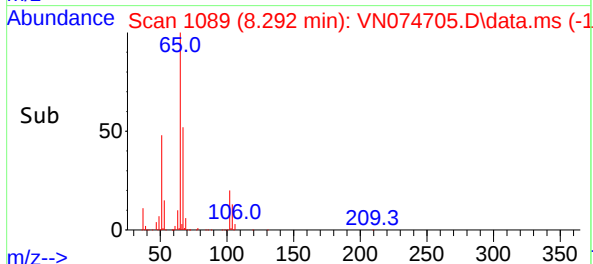
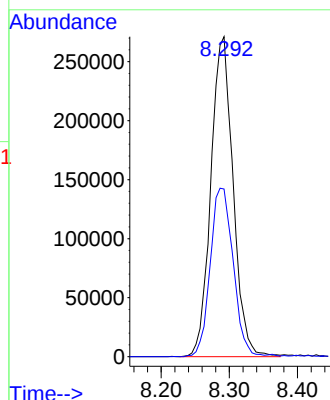
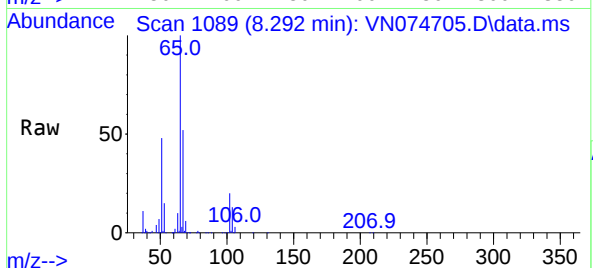
BFB

Tgt Ion: 65 Resp: 615637

Ion Ratio Lower Upper

65 100

67 54.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.827 min Scan# 1180

Delta R.T. -0.001 min

Lab File: VN074705.D

Acq: 01 Oct 2022 10:04

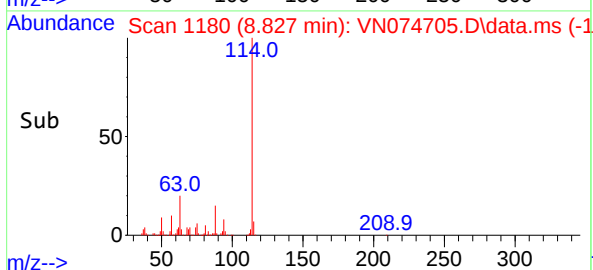
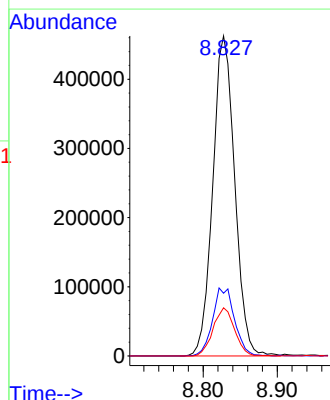
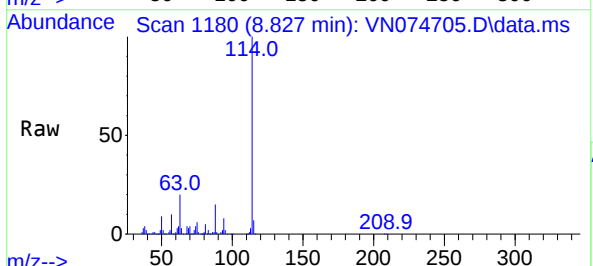
Tgt Ion: 114 Resp: 951472

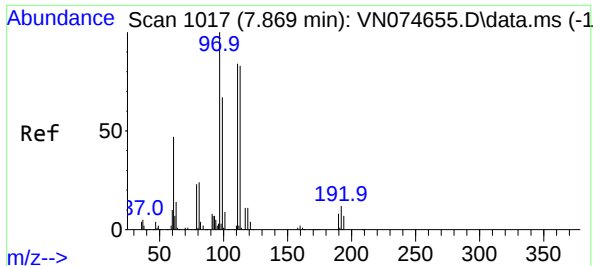
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.604 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074705.D

Acq: 01 Oct 2022 10:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

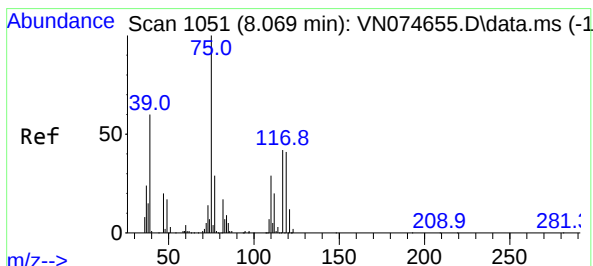
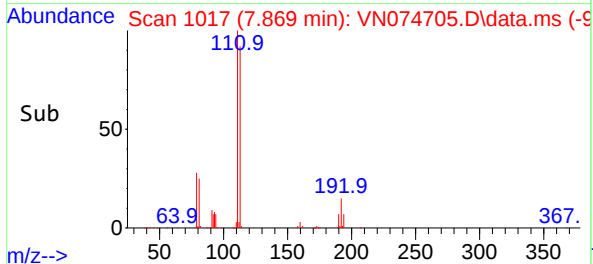
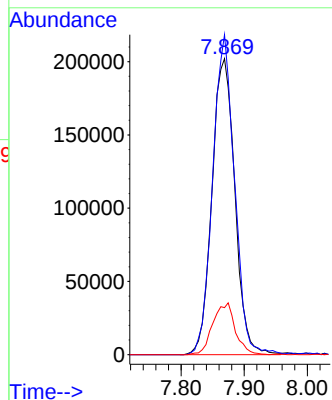
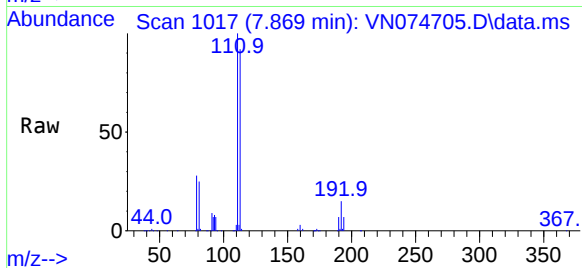
Tgt Ion:113 Resp: 509629

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 17.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 2.978 ug/l

RT: 7.933 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VN074705.D

Acq: 01 Oct 2022 10:04

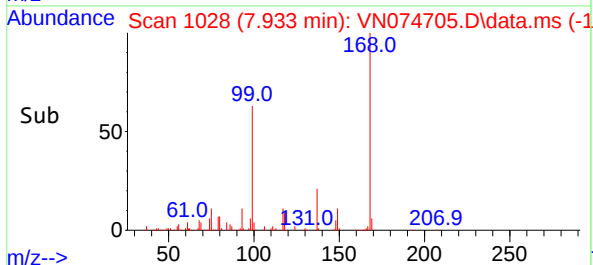
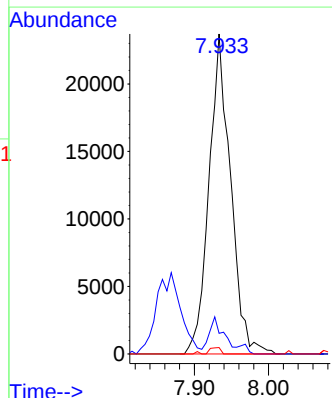
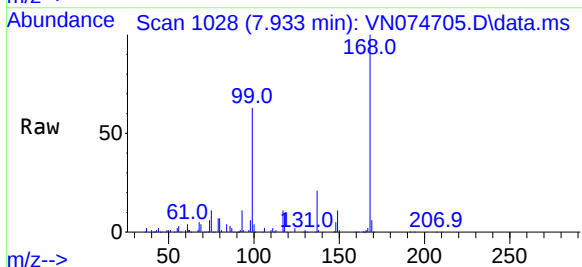
Tgt Ion: 75 Resp: 48023

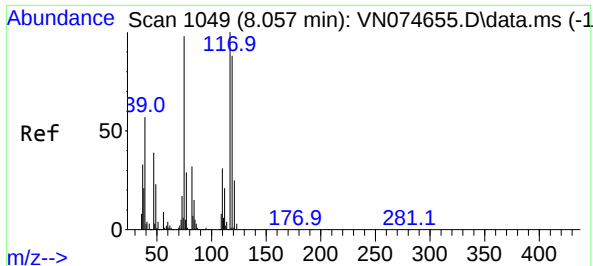
Ion Ratio Lower Upper

75 100

110 5.8 18.3 54.8#

77 1.0 25.1 37.7#

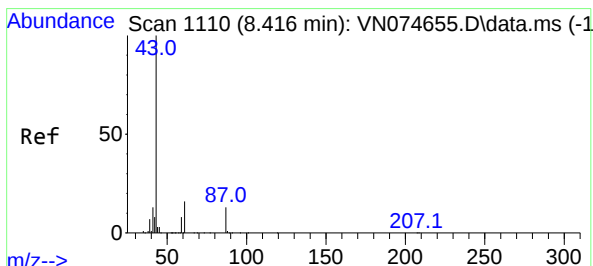
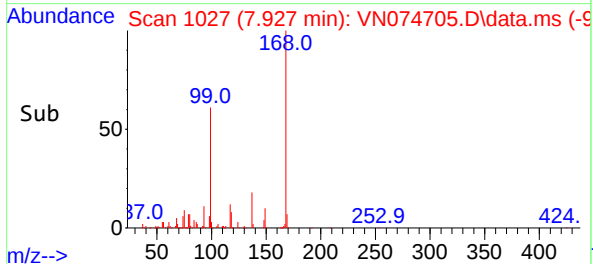
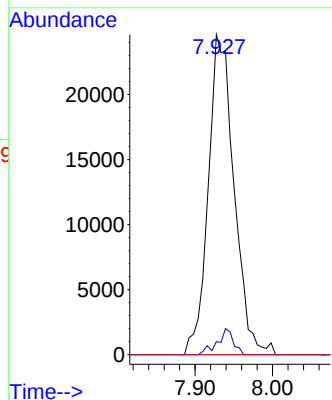
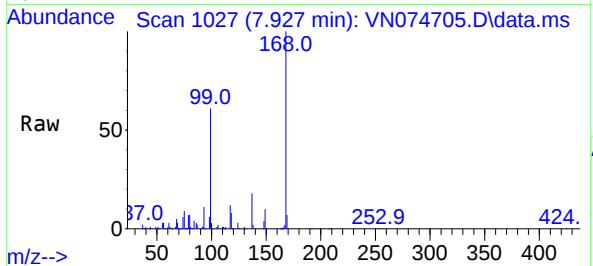




#38
Carbon Tetrachloride
Concen: 3.854 ug/l
RT: 7.927 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

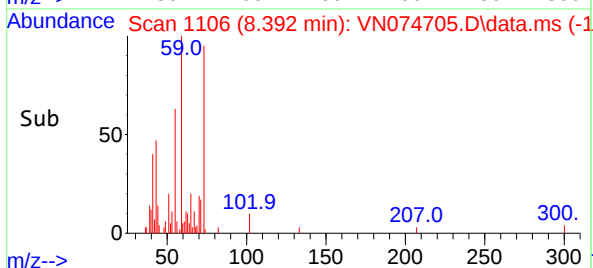
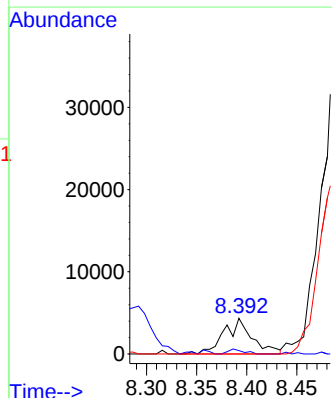
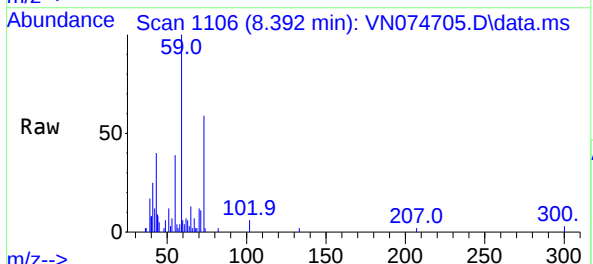
Instrument :
MSVOA_N
ClientSampleId :
BFB

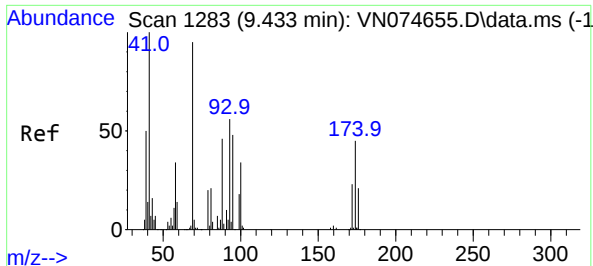
Tgt Ion:117 Resp: 56946
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.224 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. -0.024 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 43 Resp: 8538
Ion Ratio Lower Upper
43 100
61 7.3 21.9 32.9#
87 0.0 12.0 18.0#

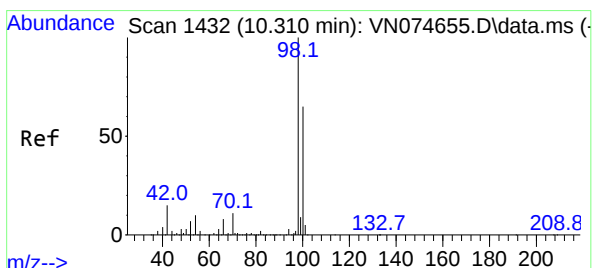
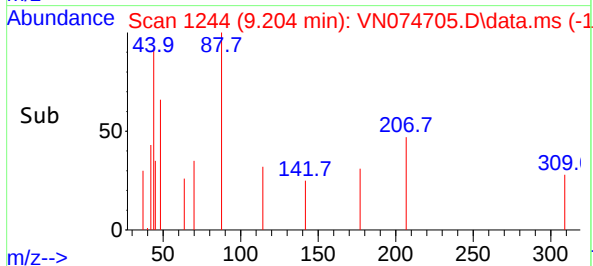
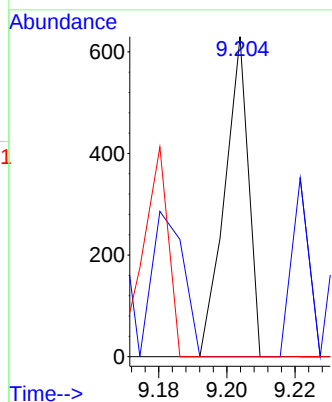
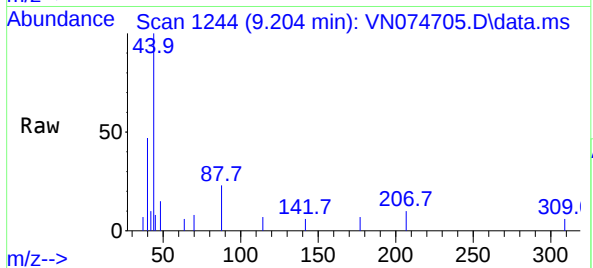




#49
1,4-Dioxane
Concen: 1.017 ug/l
RT: 9.204 min Scan# 11
Delta R.T. -0.229 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

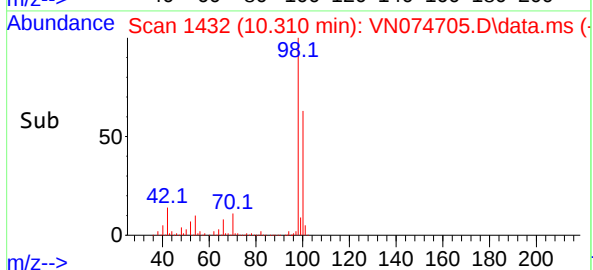
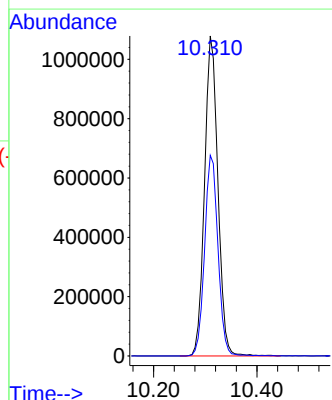
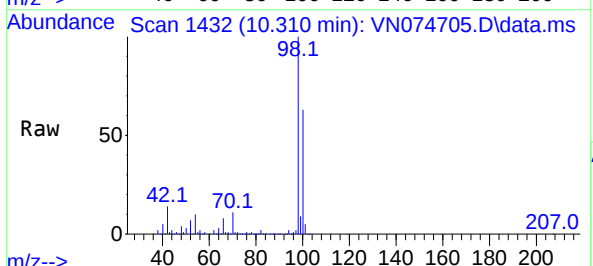
Instrument :
MSVOA_N
ClientSampleId :
BFB

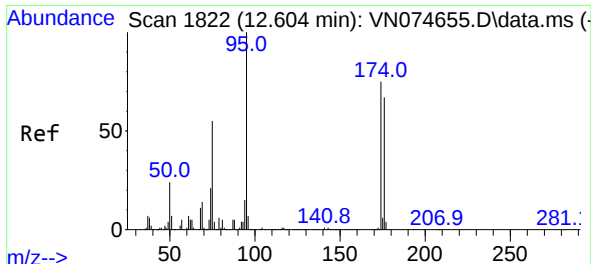
Tgt Ion:	88	Resp:	305
Ion	Ratio	Lower	Upper
88	100		
43	77.7	20.2	30.4#
58	0.0	54.2	81.4#



#50
Toluene-d8
Concen: 45.632 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion:	98	Resp:	1933038
Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.6	78.8

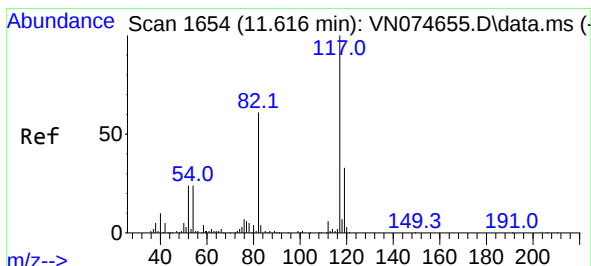
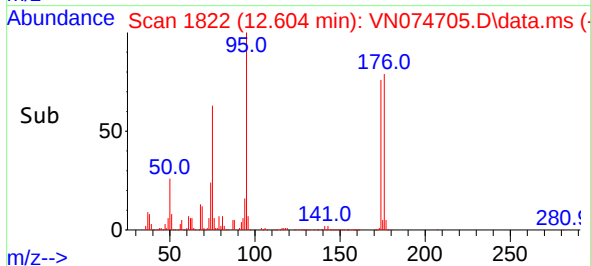
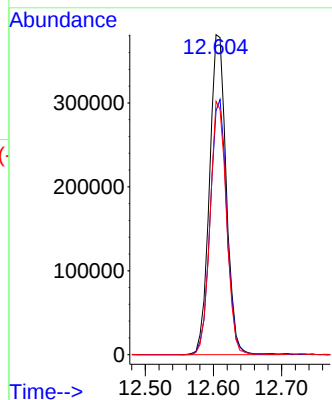
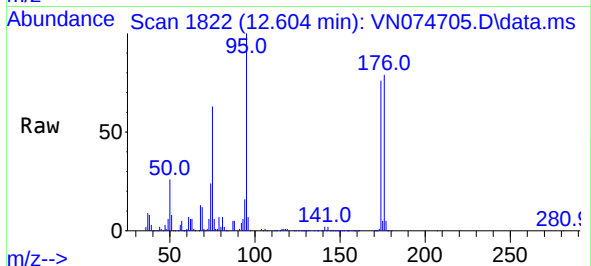




#62
4-Bromofluorobenzene
Concen: 48.462 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

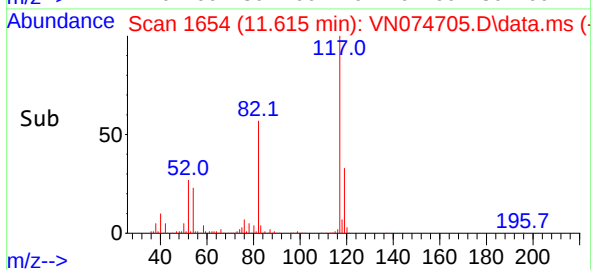
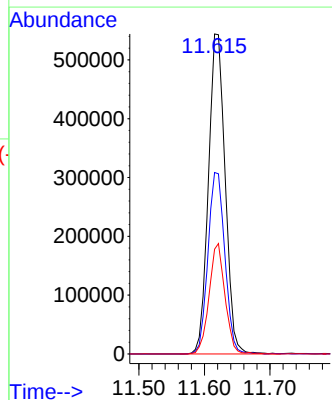
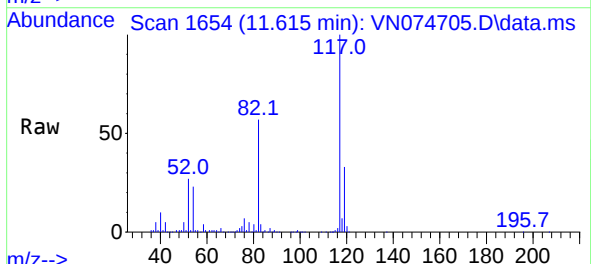
Instrument :
MSVOA_N
ClientSampleId :
BFB

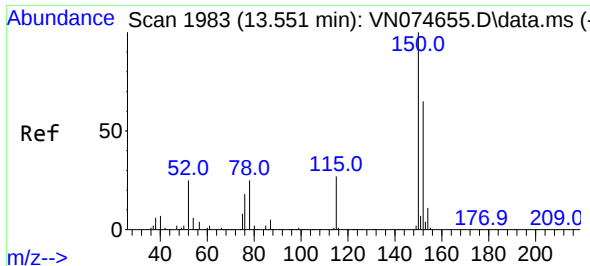
Tgt Ion: 95 Resp: 650952
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 77.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.615 min Scan# 1654
Delta R.T. -0.001 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 117 Resp: 967544
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.8 25.4 38.0

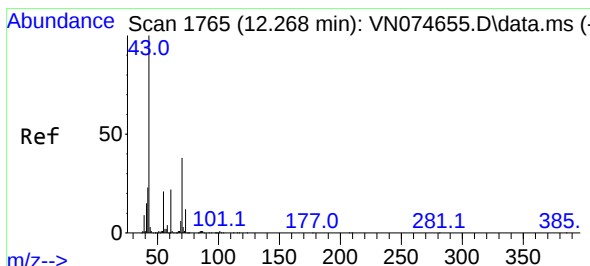
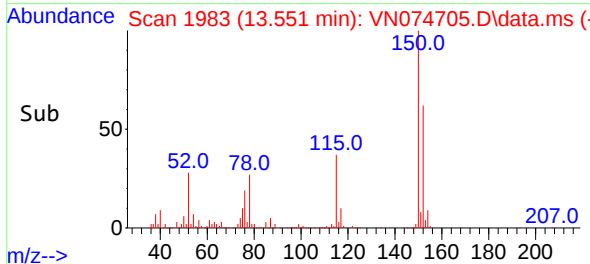
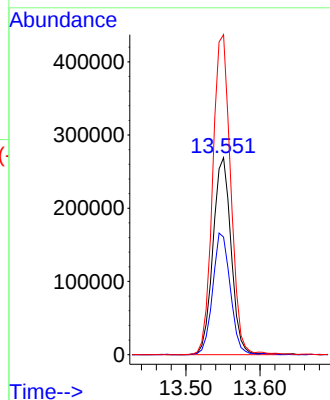
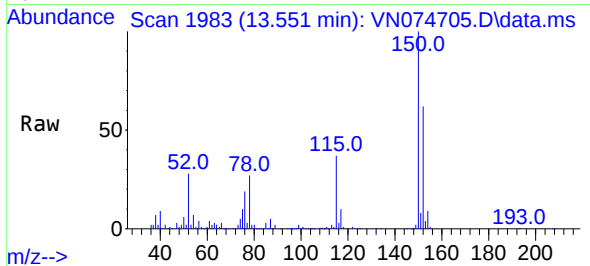




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

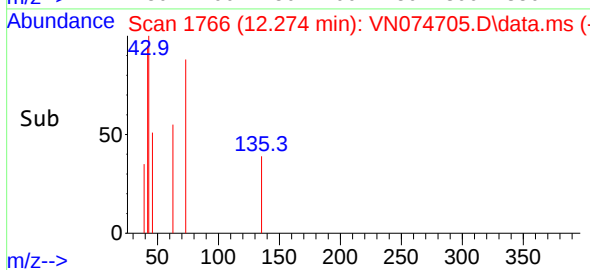
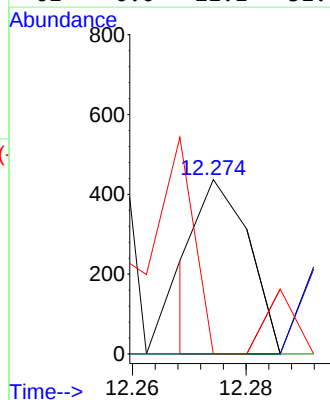
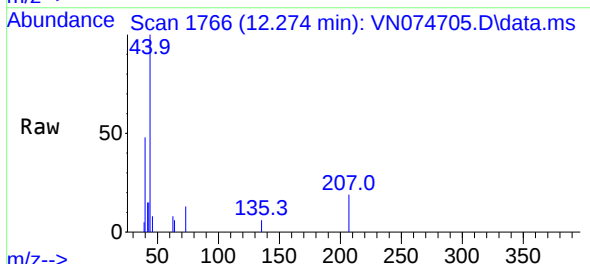
Instrument :
MSVOA_N
ClientSampleId :
BFB

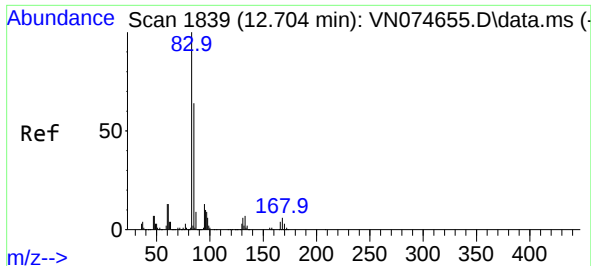
Tgt Ion:152 Resp: 457584
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 161.7 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.274 min Scan# 1766
Delta R.T. 0.006 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 72.5 21.1 31.7#
61 0.0 21.1 31.7#

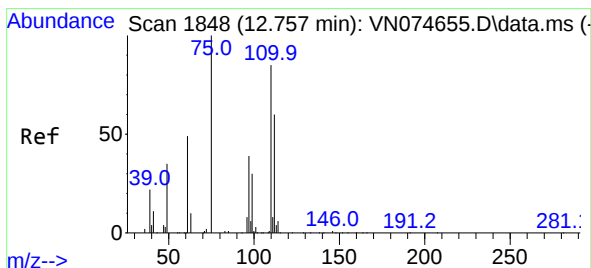
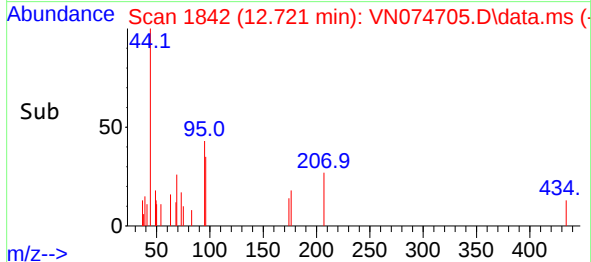
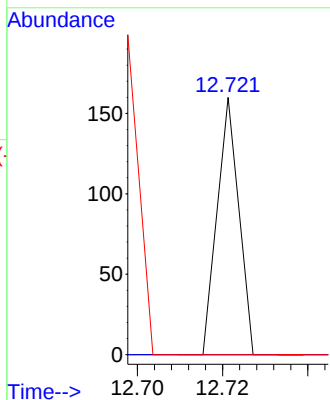
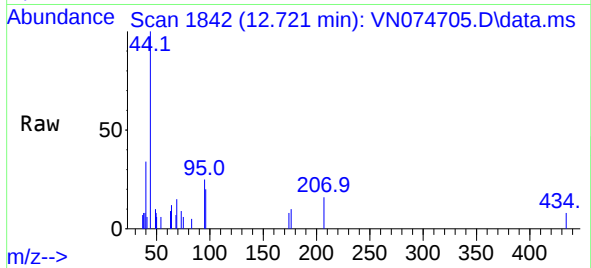




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1842
Delta R.T. 0.017 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

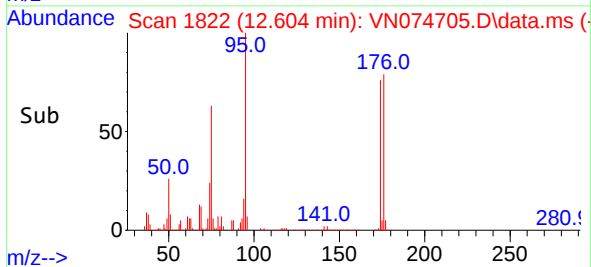
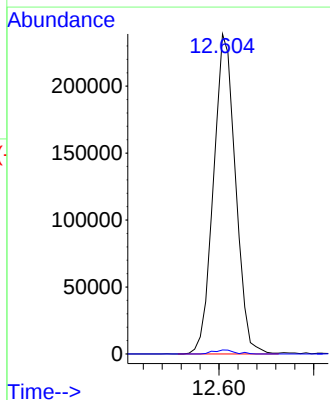
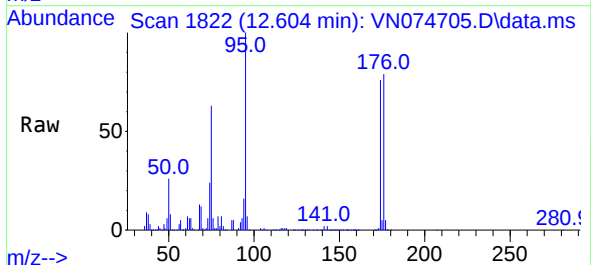
Instrument :
MSVOA_N
ClientSampleId :
BFB

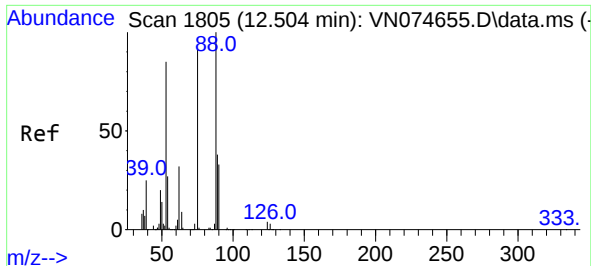
Tgt Ion: 83 Resp: 56
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 37.117 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 75 Resp: 386125
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

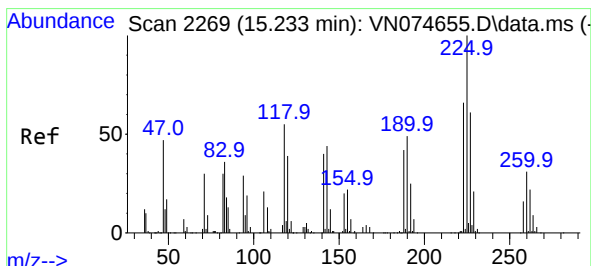
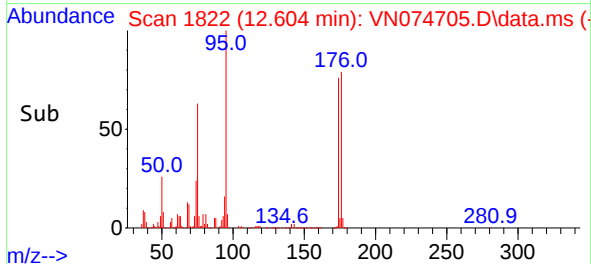
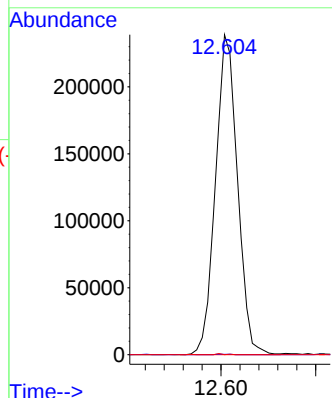
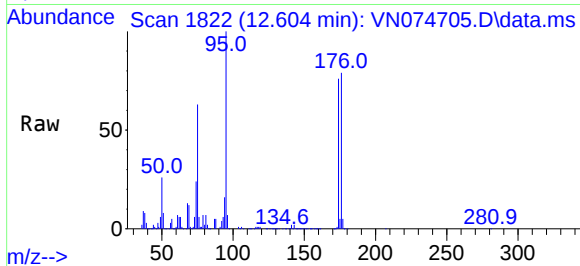




#81
trans-1,4-Dichloro-2-butene
Concen: 70.516 ug/l
RT: 12.604 min Scan# 11
Delta R.T. 0.100 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Instrument :
MSVOA_N
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 386125
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.345 min Scan# 2288
Delta R.T. 0.112 min
Lab File: VN074705.D
Acq: 01 Oct 2022 10:04

Tgt Ion: 225 Resp: 116
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 0.0 31.8 95.4#

