

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074704.D
 Acq On : 01 Oct 2022 09:39
 Operator : JC\MD
 Sample : sample
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 03 02:13:44 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)

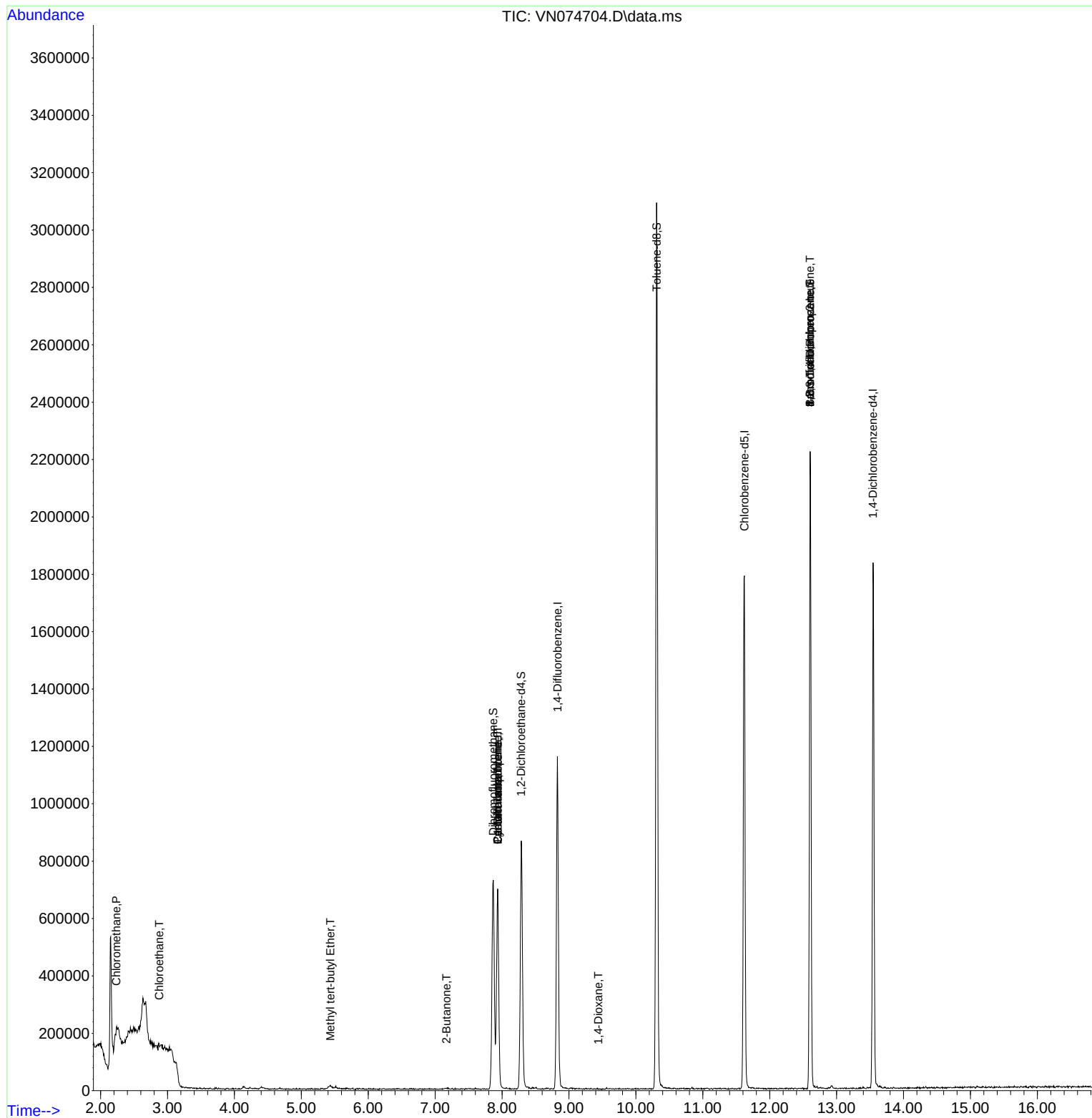
Internal Standards						
1) Pentafluorobenzene	7.934	168	504648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	926721	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	965850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.545	152	447784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	630464	49.849	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.700%
35) Dibromofluoromethane	7.869	113	508720	51.863	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.720%
50) Toluene-d8	10.310	98	2002289	48.529	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.604	95	627142	47.936	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%
Target Compounds						
					Qvalue	
3) Chloromethane	2.234	50	4354	0.282	ug/l #	61
6) Chloroethane	2.875	64	20946	1.215	ug/l #	50
8) Diethyl Ether	3.751	74	137	Below Cal	#	33
13) Acrolein	3.951	56	79	Below Cal	#	1
16) Acetone	4.128	43	8908	Below Cal		92
19) Methyl tert-butyl Ether	5.434	73	13135	0.365	ug/l #	90
20) Methylene Chloride	4.887	84	120	Below Cal	#	32
25) 2-Butanone	7.169	43	4662	0.400	ug/l #	45
31) Cyclohexane	7.934	56	15115	0.736	ug/l #	56
36) 1,1-Dichloropropene	7.934	75	44472	2.831	ug/l #	52
38) Carbon Tetrachloride	7.934	117	50630	3.518	ug/l #	17
49) 1,4-Dioxane	9.439	88	121	0.414	ug/l #	1
71) Bromoform	12.604	173	5144	0.622	ug/l #	1
74) N-amyl acetate	12.269	43	549	Below Cal	#	46
75) 1,1,2,2-Tetrachloroethane	12.639	83	81	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	395389	38.973	ug/l #	1
77) Bromobenzene	12.651	156	82	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	395389	73.789	ug/l #	11
94) Hexachlorobutadiene	15.033	225	62	Below Cal	#	18

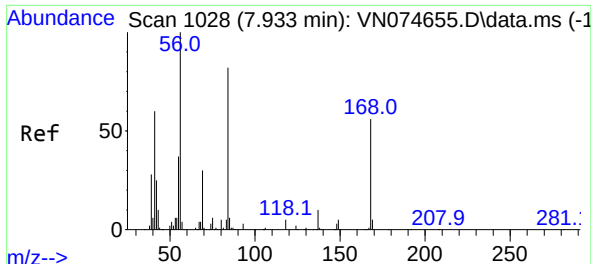
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 30 07:44:59 2022
Response via : Initial Calibration

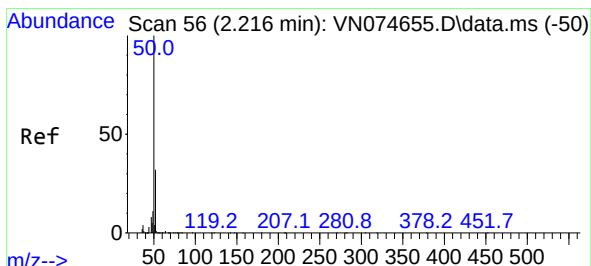
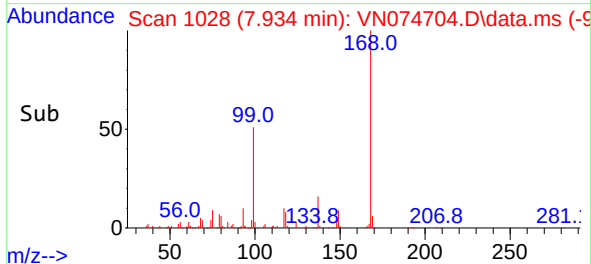
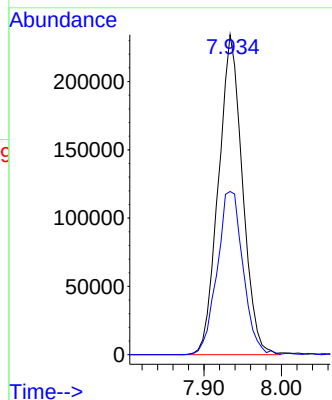
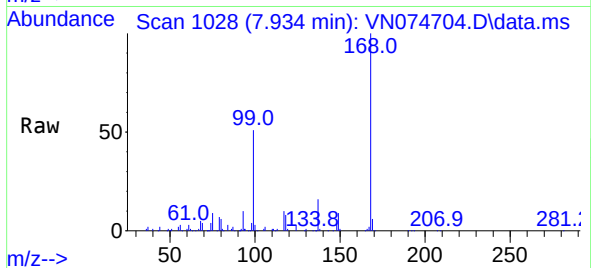




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

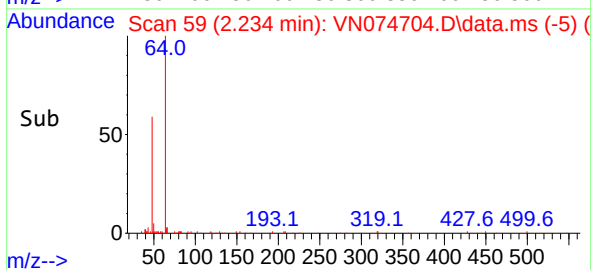
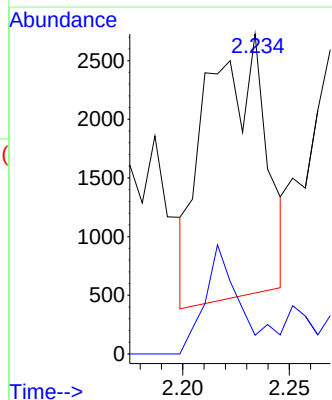
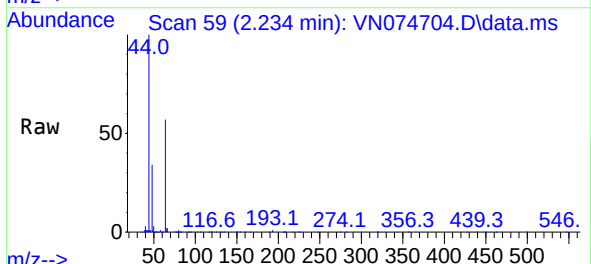
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

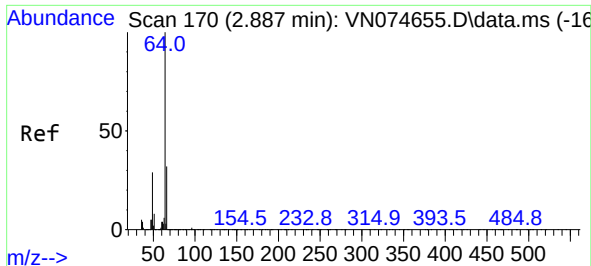
Tgt Ion:168 Resp: 504648
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5



#3
Chloromethane
Concen: 0.282 ug/l
RT: 2.234 min Scan# 59
Delta R.T. 0.018 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 50 Resp: 4354
Ion Ratio Lower Upper
50 100
52 10.2 25.7 38.5#

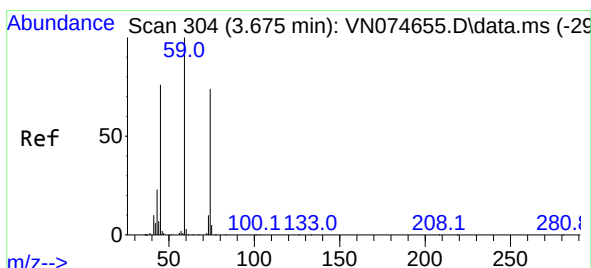
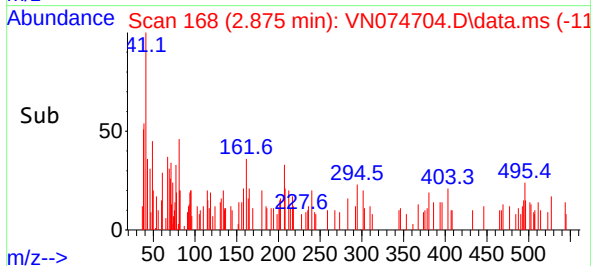
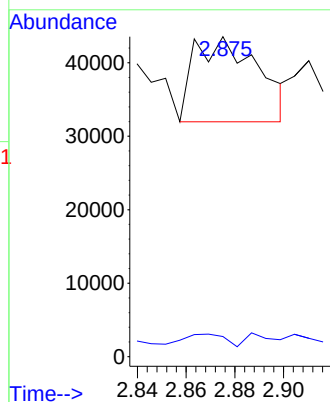
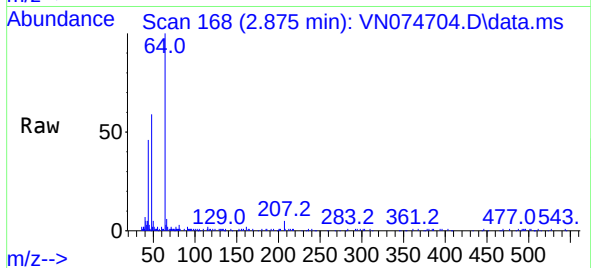




#6
Chloroethane
Concen: 1.215 ug/l
RT: 2.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

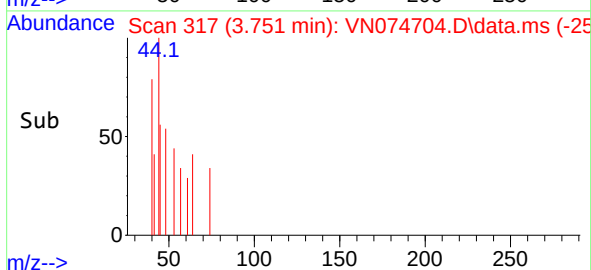
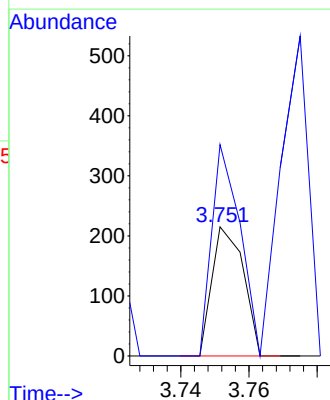
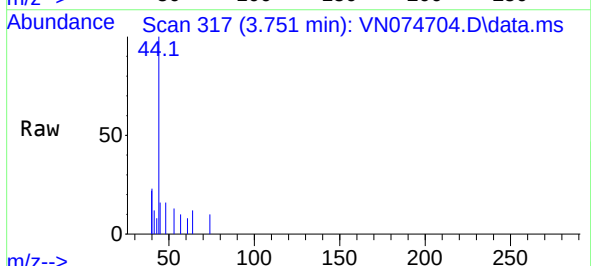
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

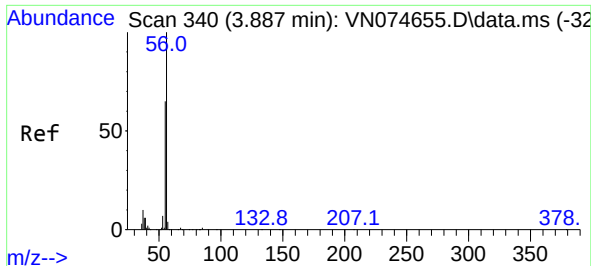
Tgt Ion: 64 Resp: 20946
Ion Ratio Lower Upper
64 100
66 4.4 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.751 min Scan# 317
Delta R.T. 0.076 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 74 Resp: 137
Ion Ratio Lower Upper
74 100
45 147.4 42.9 128.5#

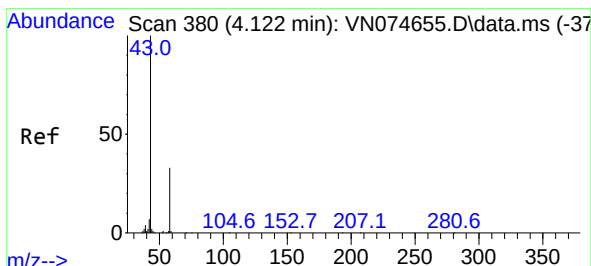
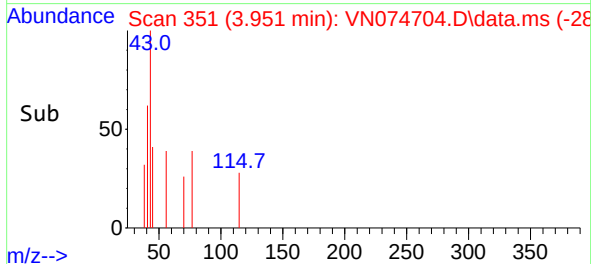
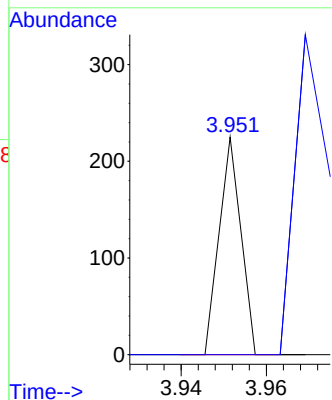
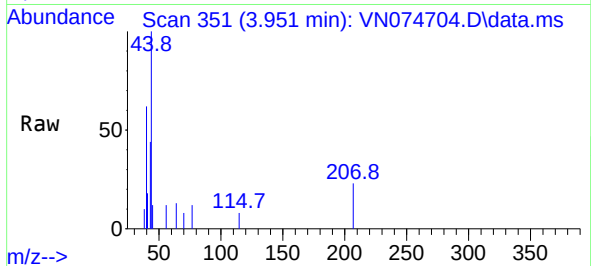




#13
Acrolein
Concen: Below Cal
RT: 3.951 min Scan# 31
Delta R.T. 0.064 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

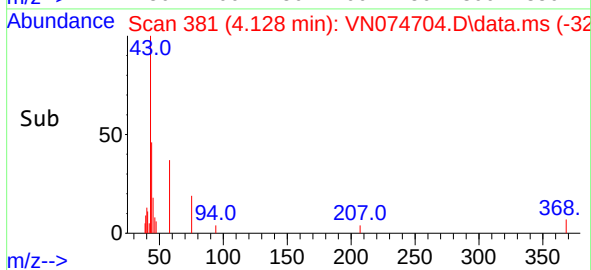
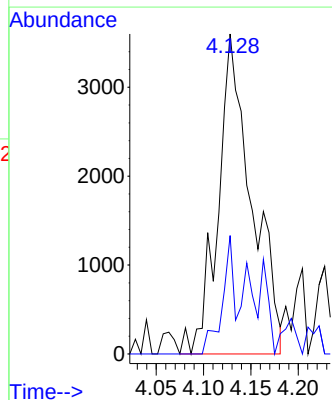
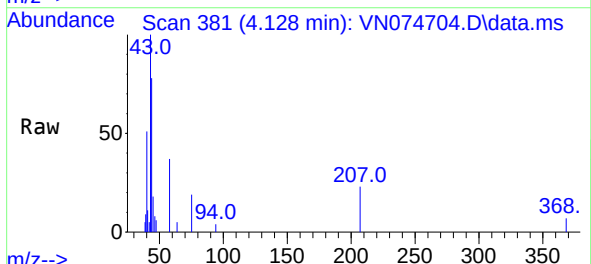
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

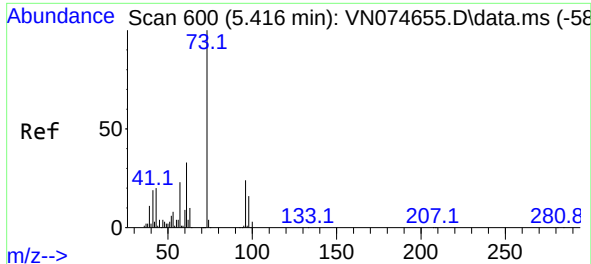
Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 230.4 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.128 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 43 Resp: 8908
Ion Ratio Lower Upper
43 100
58 37.0 26.0 39.0

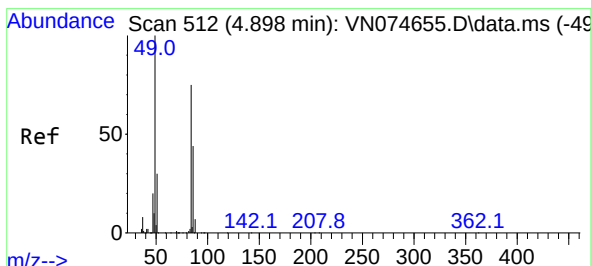
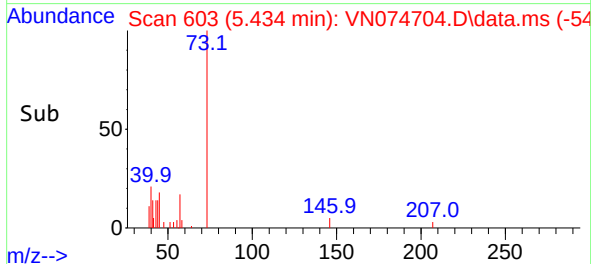
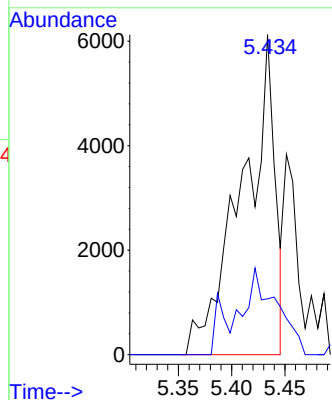
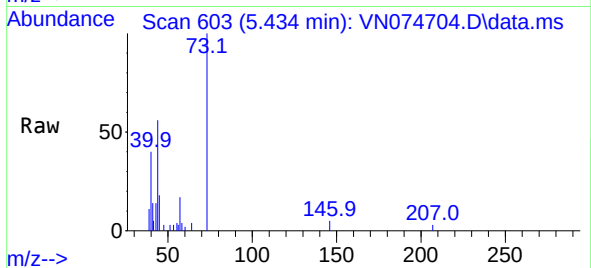




#19
Methyl tert-butyl Ether
Concen: 0.365 ug/l
RT: 5.434 min Scan# 603
Delta R.T. 0.018 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

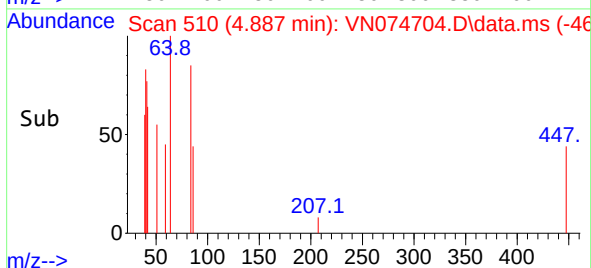
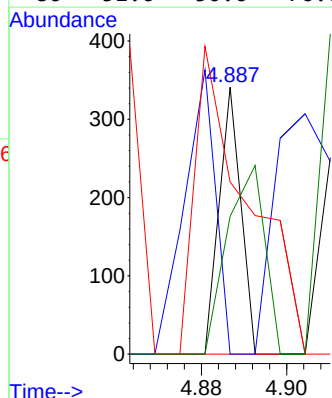
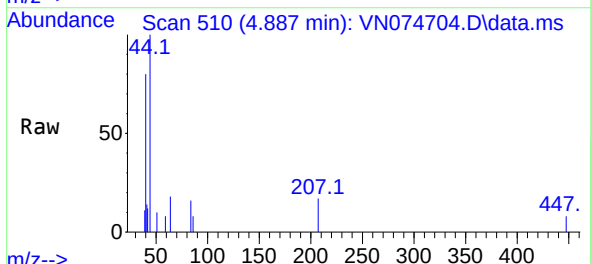
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

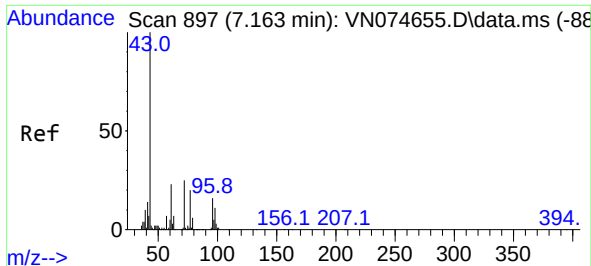
Tgt Ion: 73 Resp: 13135
Ion Ratio Lower Upper
73 100
57 17.4 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.887 min Scan# 510
Delta R.T. -0.011 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 84 Resp: 120
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 64.5 28.2 42.2#
86 51.6 50.6 76.0

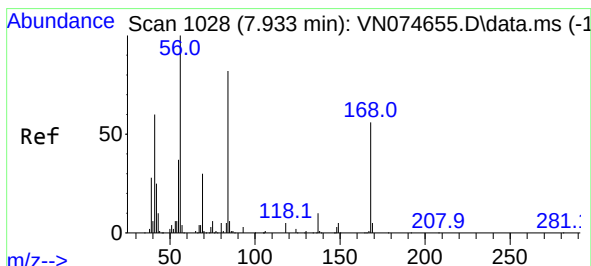
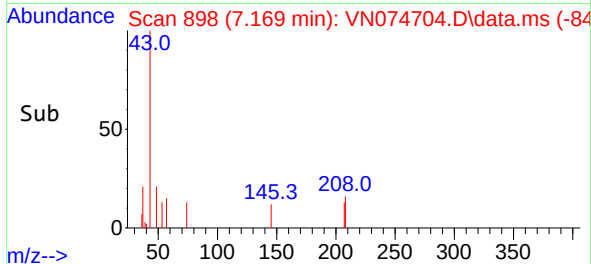
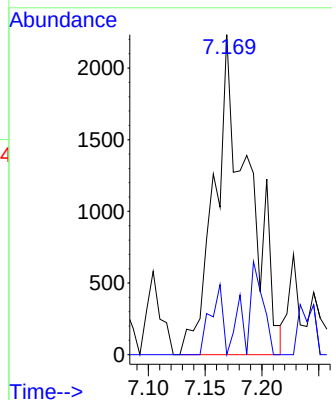
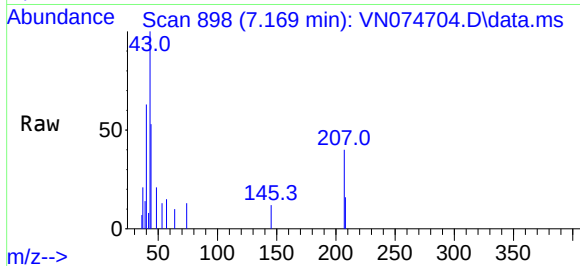




#25
2-Butanone
Concen: 0.400 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

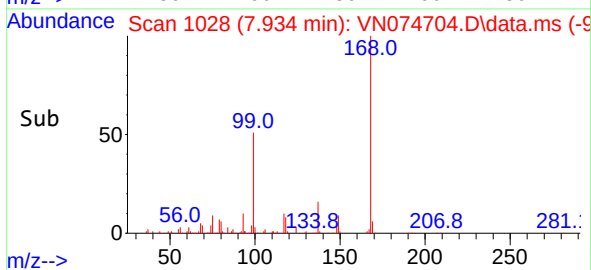
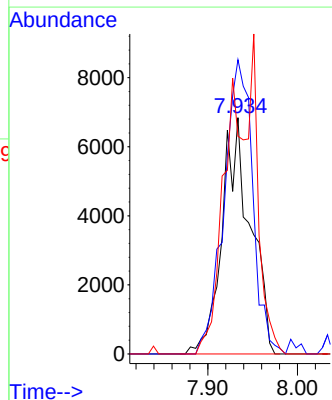
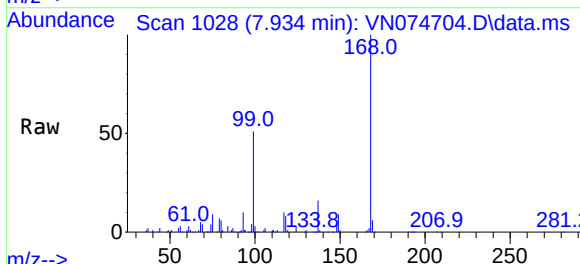
Instrument :
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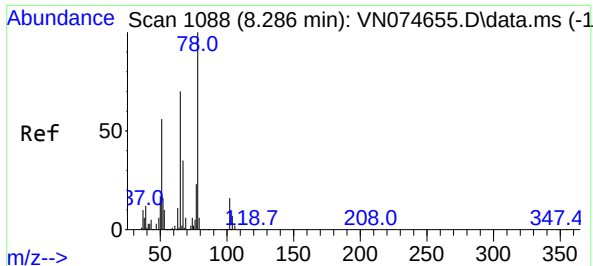
Tgt Ion: 43 Resp: 4662
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 0.736 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 56 Resp: 15115
Ion Ratio Lower Upper
56 100
69 124.5 27.8 41.8#
84 92.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.849 ug/l

RT: 8.286 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN074704.D

Acq: 01 Oct 2022 09:39

Instrument :

MSVOA_N

ClientSampleId :

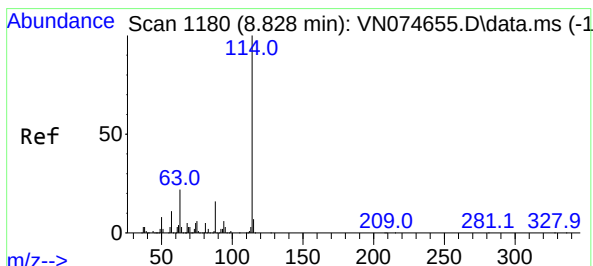
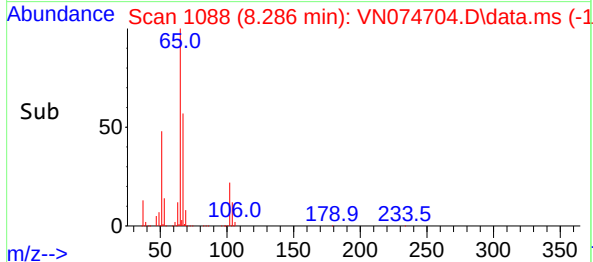
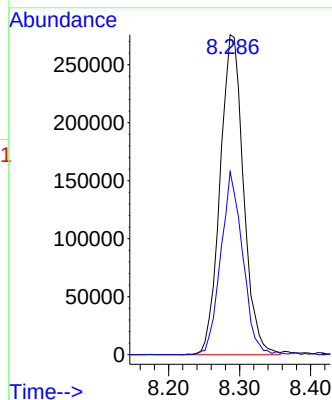
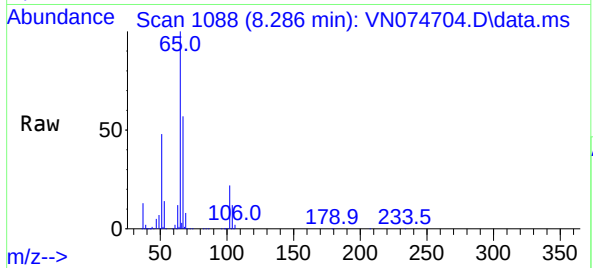
VSTDCCC050EC

Tgt Ion: 65 Resp: 630464

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VN074704.D

Acq: 01 Oct 2022 09:39

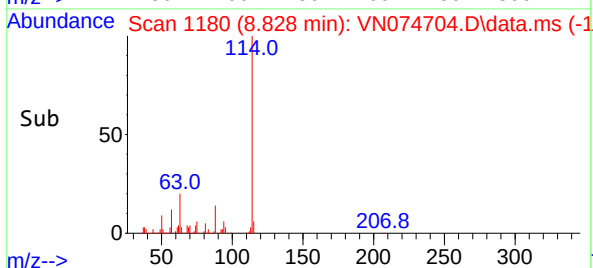
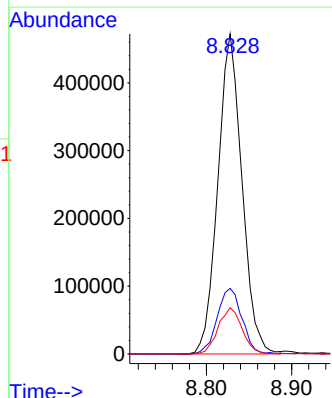
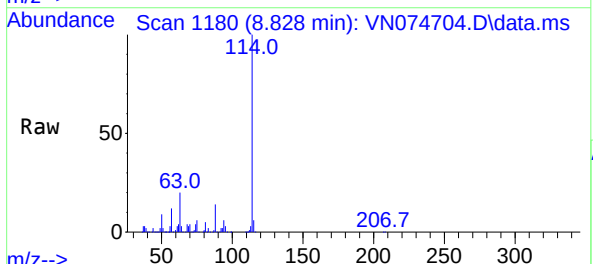
Tgt Ion: 114 Resp: 926721

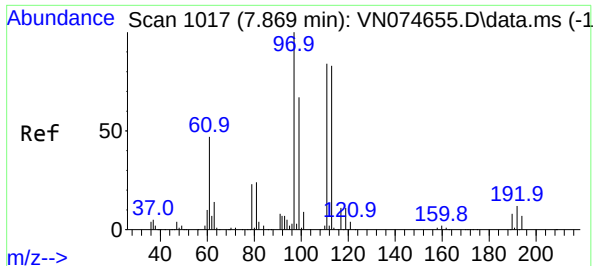
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 14.4 0.0 32.6

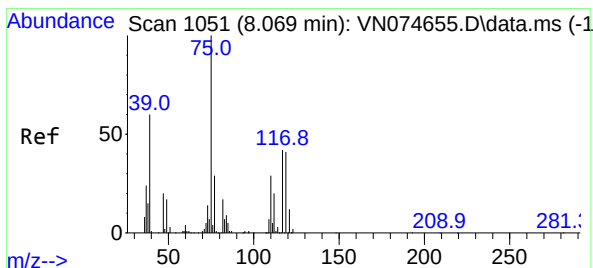
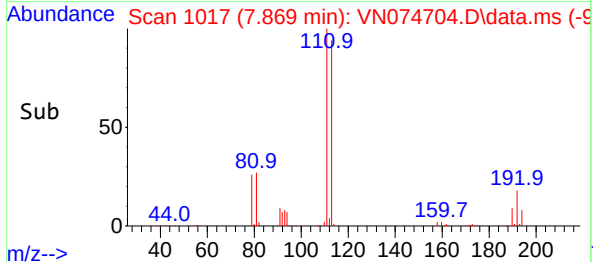
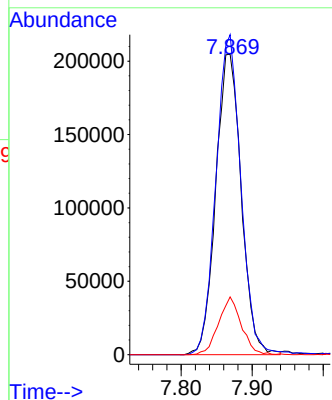
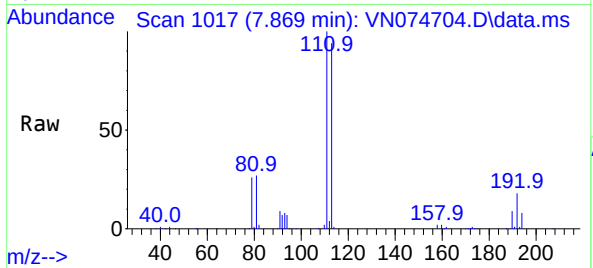




#35
Dibromofluoromethane
Concen: 51.863 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

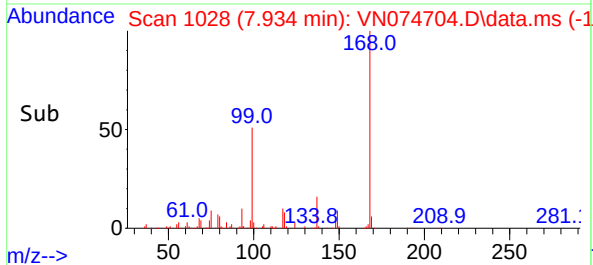
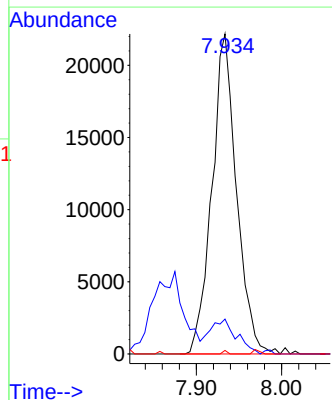
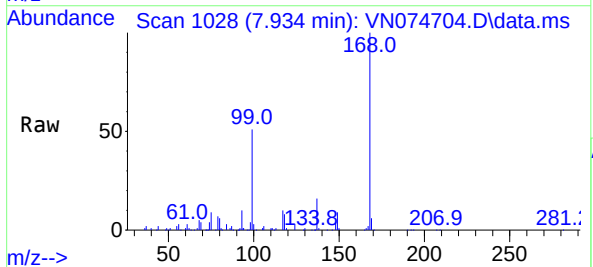
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

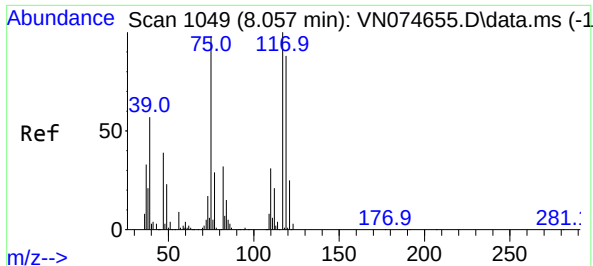
Tgt Ion:113 Resp: 508720
Ion Ratio Lower Upper
113 100
111 104.6 81.4 122.0
192 17.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 2.831 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 75 Resp: 44472
Ion Ratio Lower Upper
75 100
110 12.0 18.3 54.8#
77 0.2 25.1 37.7#

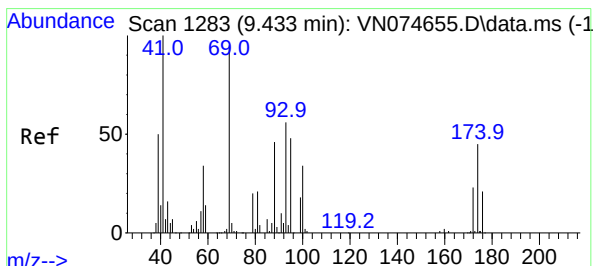
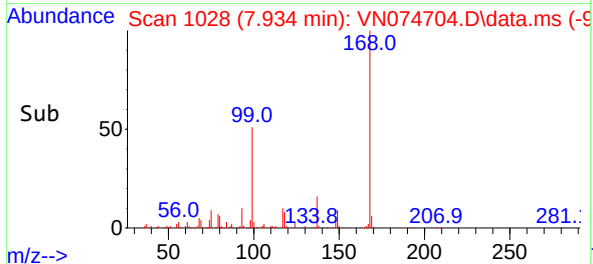
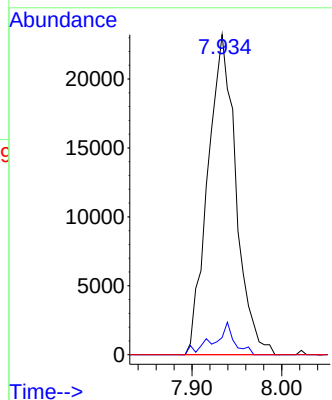
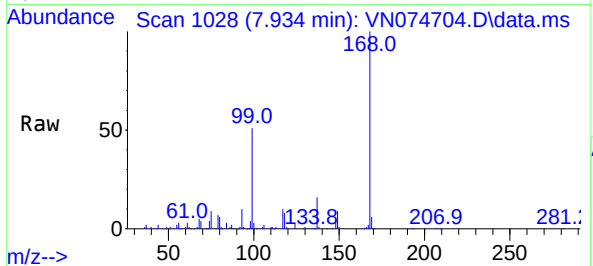




#38
Carbon Tetrachloride
Concen: 3.518 ug/l
RT: 7.934 min Scan# 1049
Delta R.T. -0.123 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

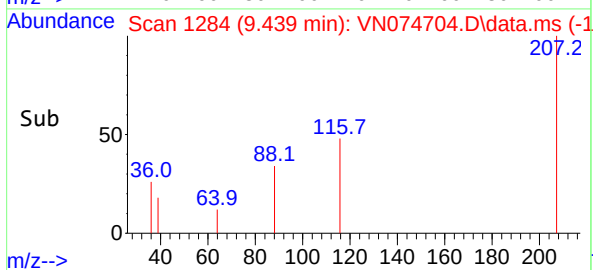
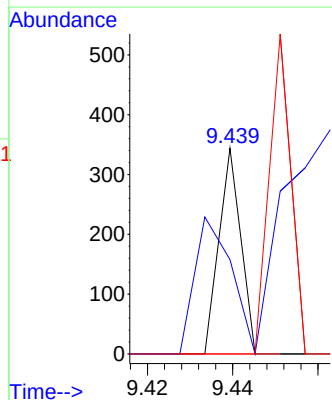
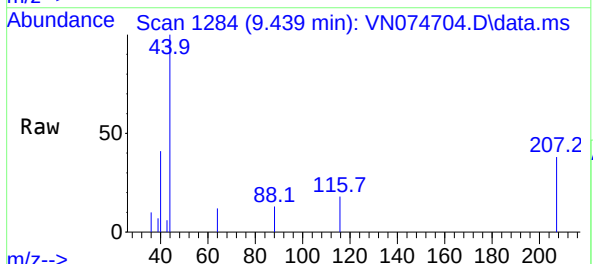
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

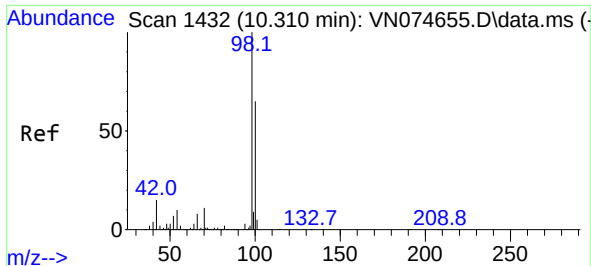
Tgt Ion:117 Resp: 50630
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.414 ug/l
RT: 9.439 min Scan# 1284
Delta R.T. 0.006 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 113.2 20.2 30.4#
58 156.2 54.2 81.4#

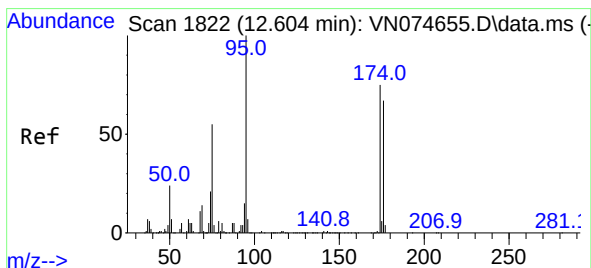
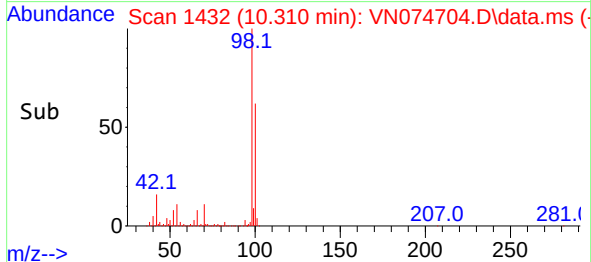
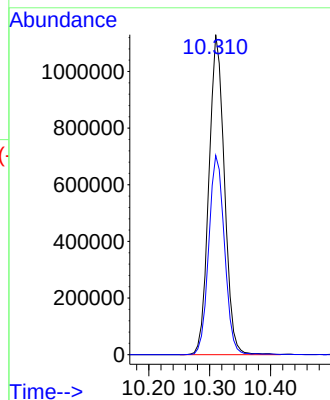
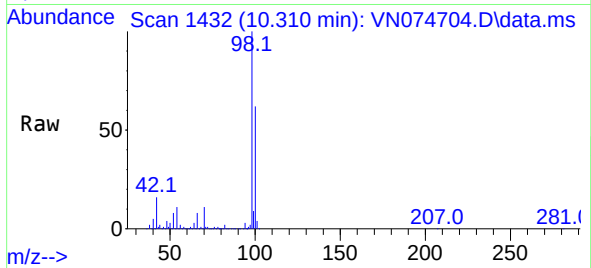




#50
Toluene-d8
Concen: 48.529 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

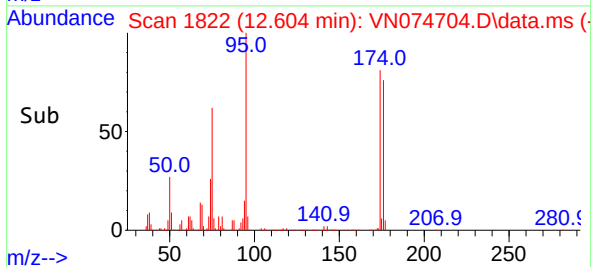
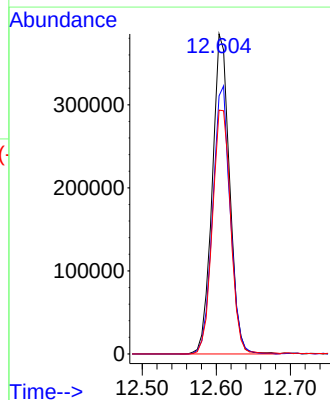
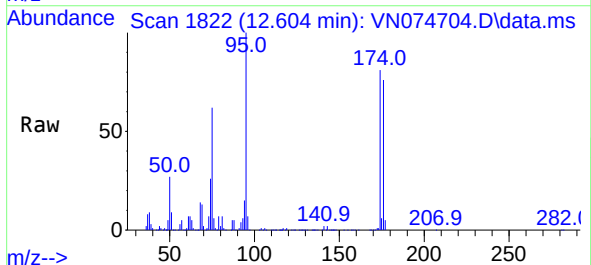
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

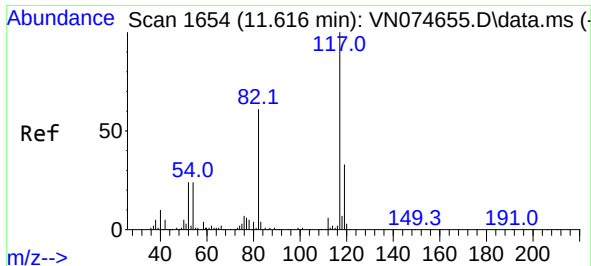
Tgt Ion: 98 Resp: 2002289
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.936 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 95 Resp: 627142
Ion Ratio Lower Upper
95 100
174 84.4 0.0 167.6
176 80.1 0.0 163.4

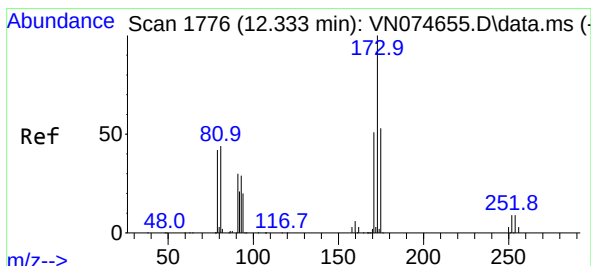
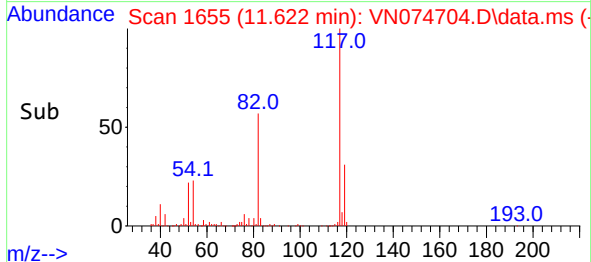
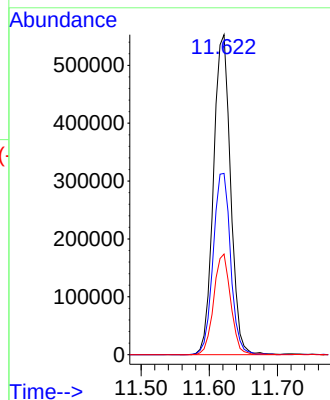
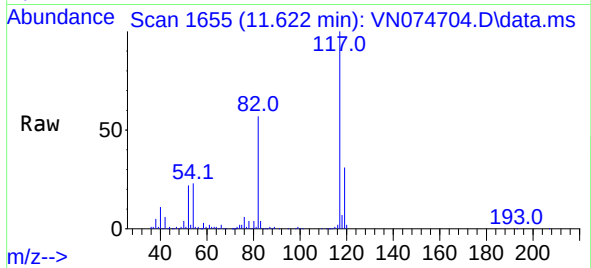




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1165
Delta R.T. 0.006 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

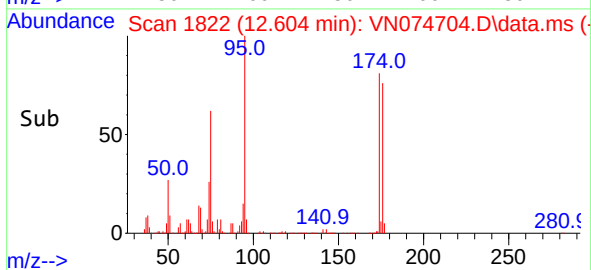
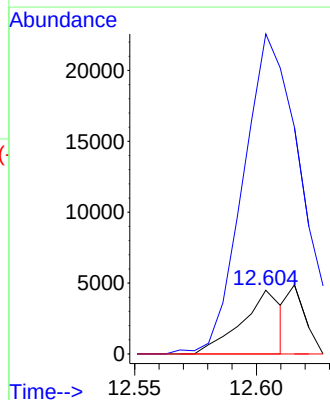
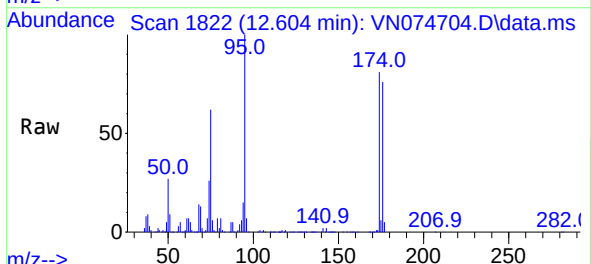
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

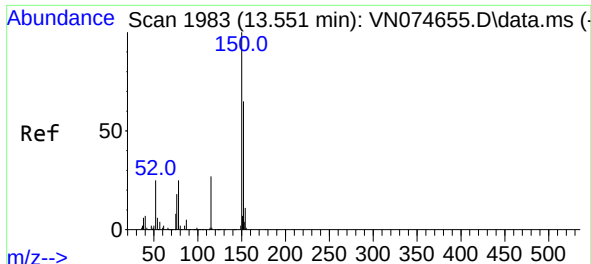
Tgt Ion:117 Resp: 965850
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 31.5 25.4 38.0



#71
Bromoform
Concen: 0.622 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.271 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion:173 Resp: 5144
Ion Ratio Lower Upper
173 100
175 505.5 24.6 73.6#
254 0.0 0.1 0.1#

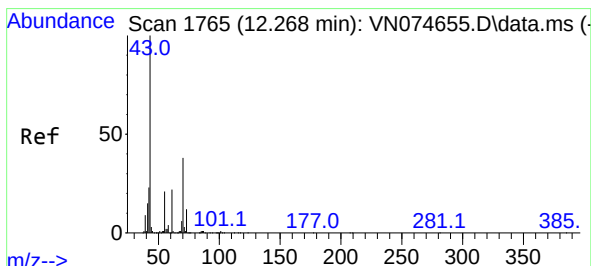
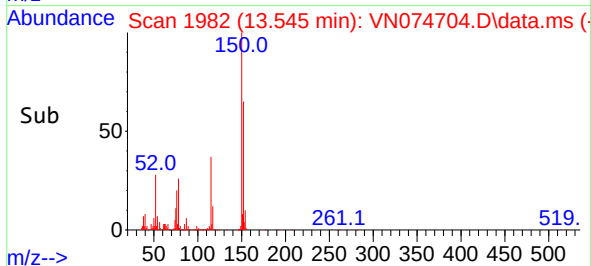
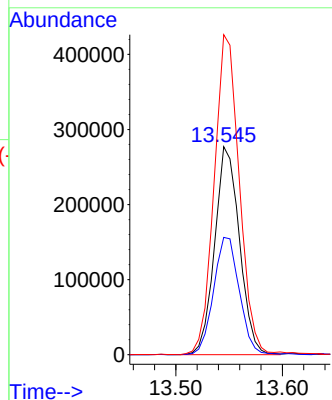
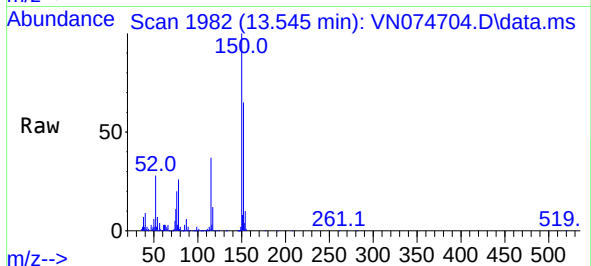




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.545 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

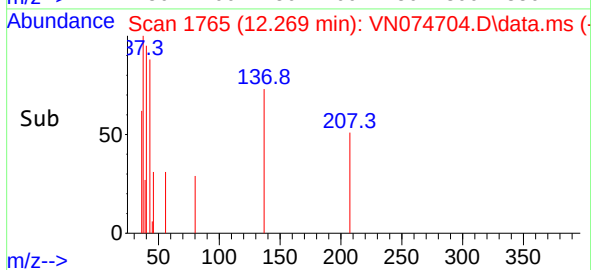
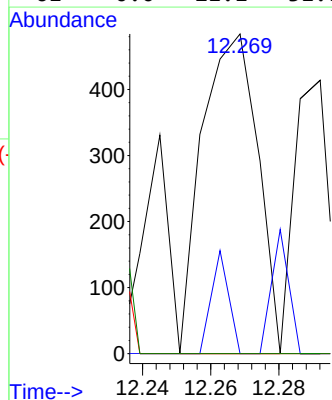
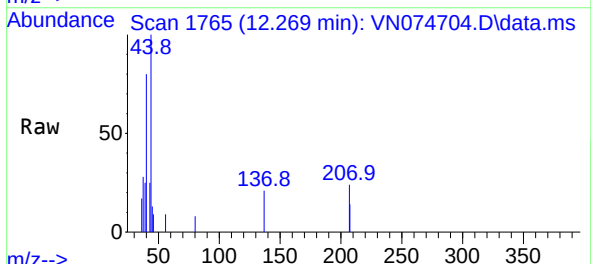
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

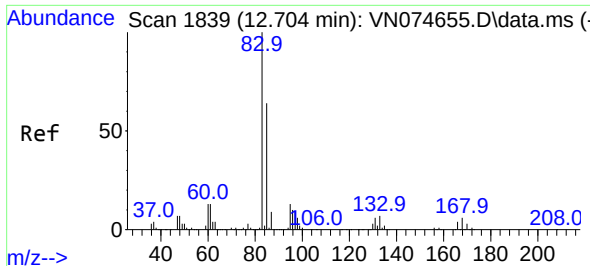
Tgt Ion:152 Resp: 447784
Ion Ratio Lower Upper
152 100
115 58.5 28.9 86.7
150 157.2 0.0 356.2



#74
N-ethyl acetate
Concen: Below Cal
RT: 12.269 min Scan# 1765
Delta R.T. 0.001 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
70 10.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

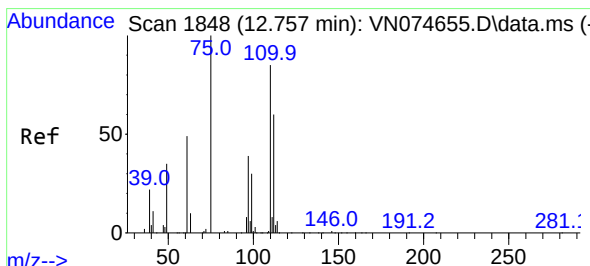
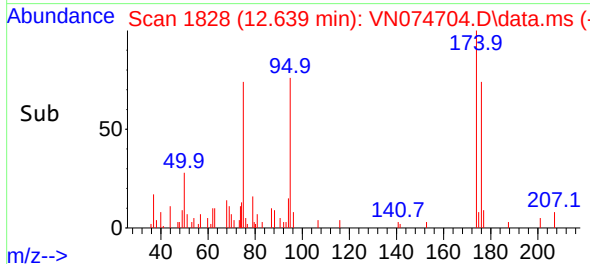
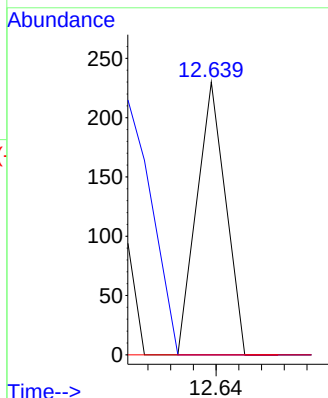
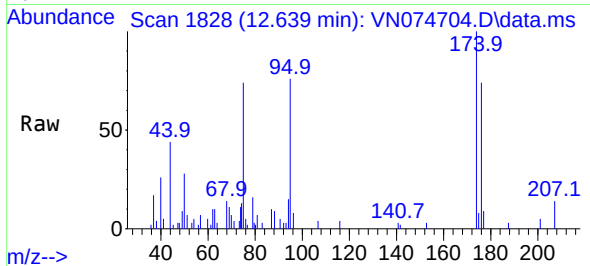




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.639 min Scan# 1822
Delta R.T. -0.065 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

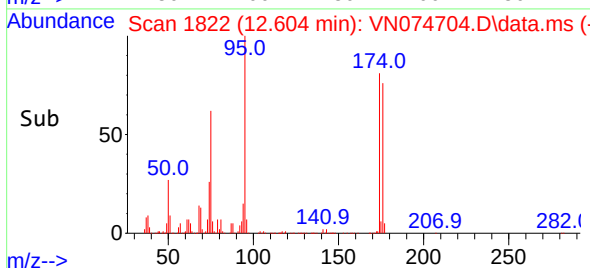
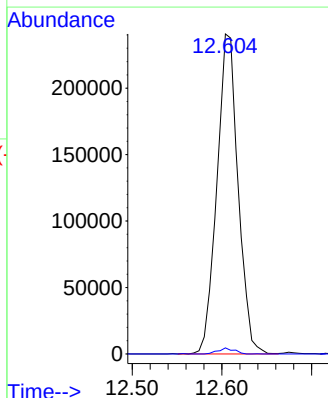
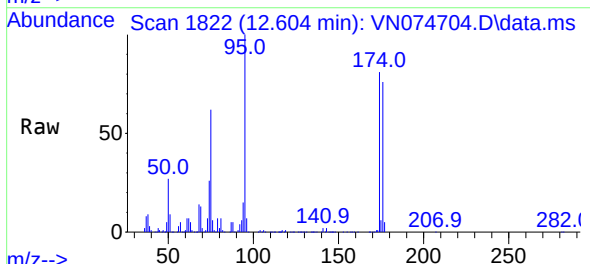
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

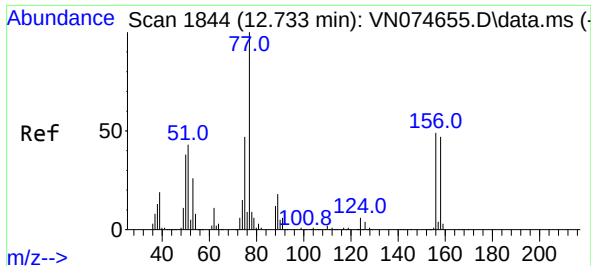
Tgt Ion: 83 Resp: 81
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 38.973 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 75 Resp: 395389
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#

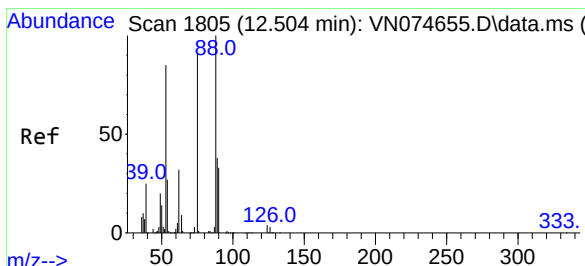
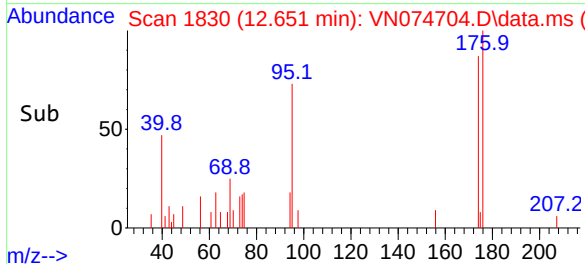
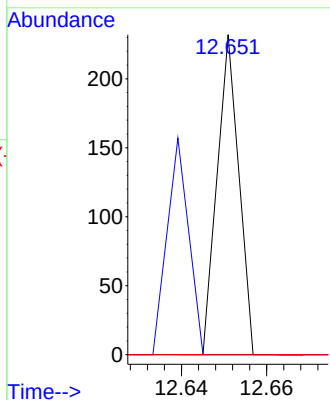
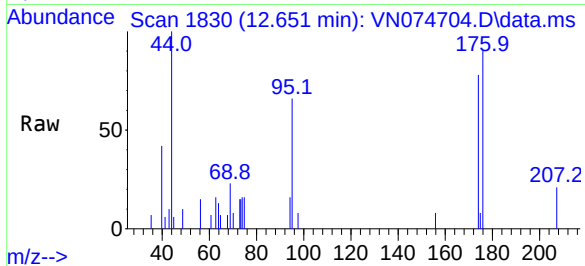




#77
Bromobenzene
Concen: Below Cal
RT: 12.651 min Scan# 11
Delta R.T. -0.082 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

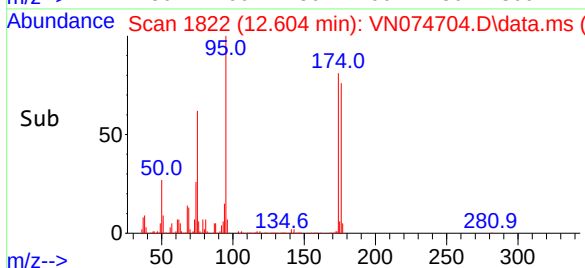
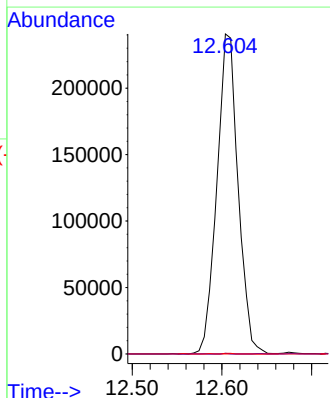
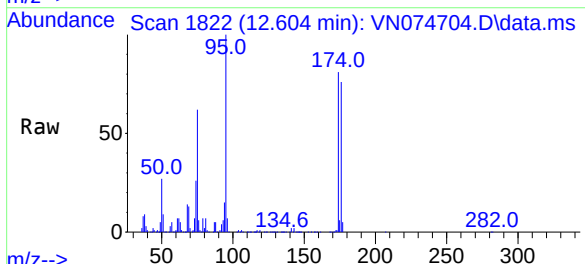
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 82
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 0.0 48.9 146.6#

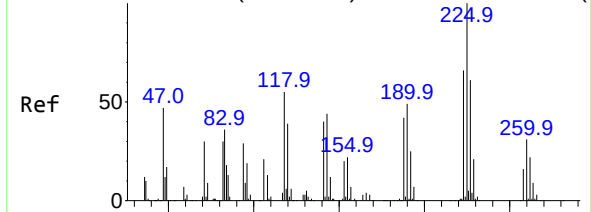


#81
trans-1,4-Dichloro-2-butene
Concen: 73.789 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074704.D
Acq: 01 Oct 2022 09:39

Tgt Ion: 75 Resp: 395389
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

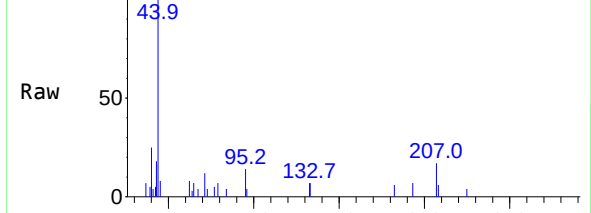


Abundance Scan 2269 (15.233 min): VN074655.D\data.ms (-



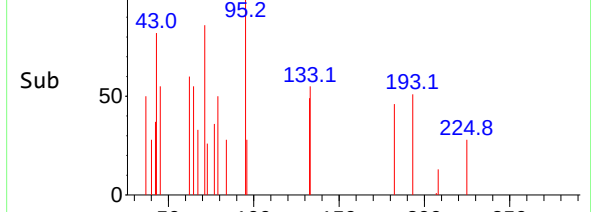
m/z-->

Abundance Scan 2235 (15.033 min): VN074704.D\data.ms (-



m/z-->

Abundance Scan 2235 (15.033 min): VN074704.D\data.ms (-



m/z-->

#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.033 min Scan# 21

Delta R.T. -0.200 min

Lab File: VN074704.D

Acq: 01 Oct 2022 09:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:225 Resp: 62

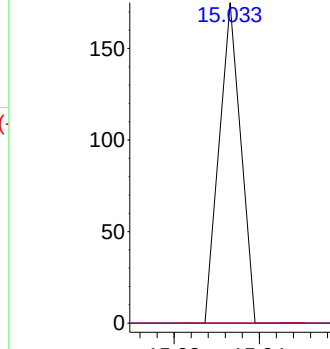
Ion Ratio Lower Upper

225 100

223 0.0 32.4 97.2#

227 0.0 31.8 95.4#

Abundance



Time-->