

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074691.D
 Acq On : 01 Oct 2022 05:37
 Operator : JC\MD
 Sample : N4882-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:11:59 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)

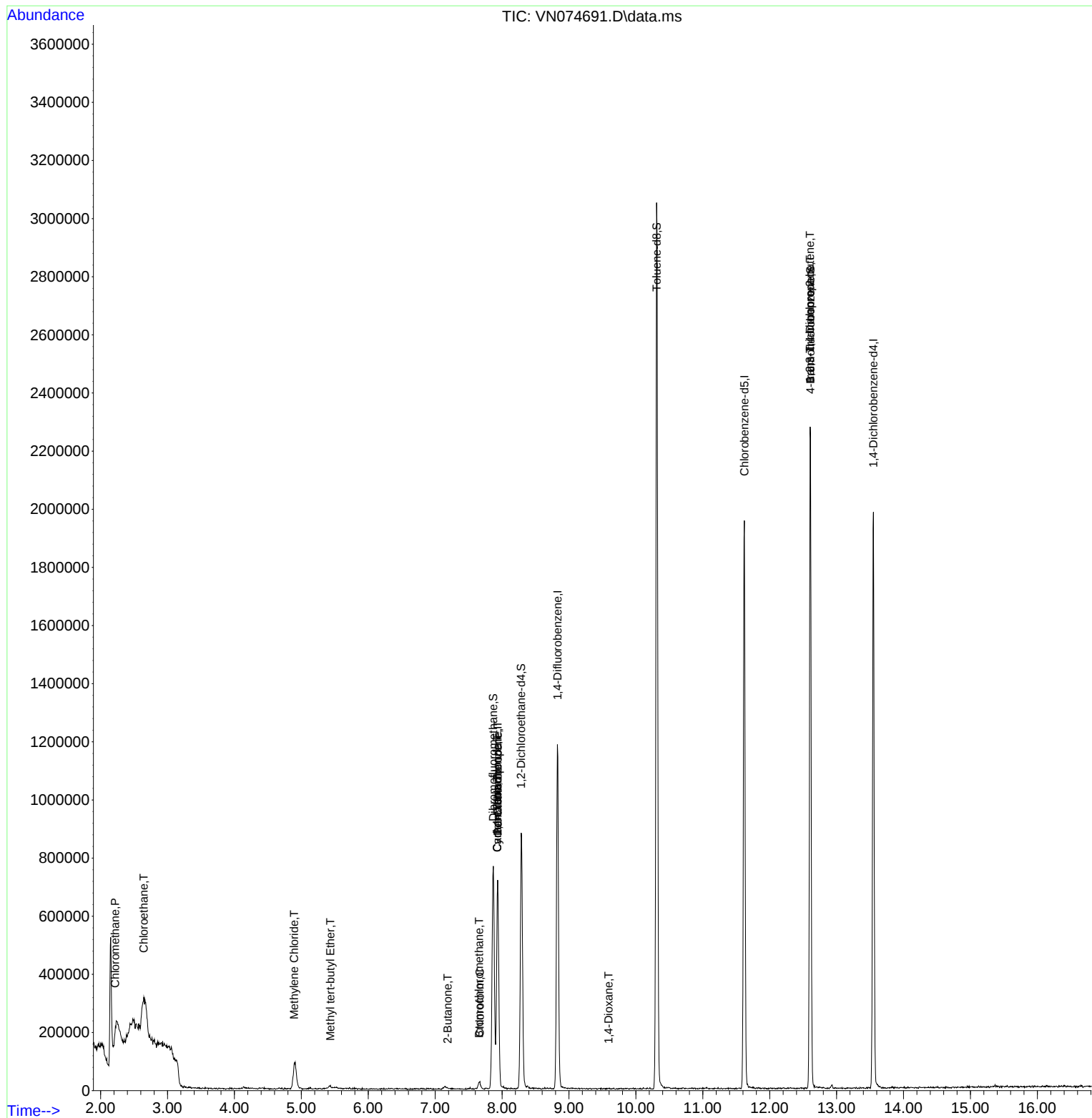
Internal Standards						
1) Pentafluorobenzene	7.934	168	504619	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.828	114	996340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1025441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	467875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	650440	51.431	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.860%	
35) Dibromofluoromethane	7.869	113	543744	51.560	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.120%	
50) Toluene-d8	10.310	98	2005459	45.210	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.420%	
62) 4-Bromofluorobenzene	12.610	95	666144	47.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	3434	0.222	ug/l	# 73
6) Chloroethane	2.646	64	62410	3.619	ug/l	# 75
8) Diethyl Ether	3.781	74	102	Below Cal	#	1
13) Acrolein	3.904	56	574	Below Cal	#	16
16) Acetone	4.134	43	7021	Below Cal	#	62
19) Methyl tert-butyl Ether	5.434	73	10429	0.290	ug/l	# 52
20) Methylene Chloride	4.893	84	70281	4.990	ug/l	87
25) 2-Butanone	7.186	43	3298	0.283	ug/l	99
28) Bromochloromethane	7.657	49	2454	0.255	ug/l	# 8
30) Chloroform	7.669	83	19971	1.025	ug/l	97
31) Cyclohexane	7.928	56	15218	0.741	ug/l	# 61
36) 1,1-Dichloropropene	7.934	75	46035	2.726	ug/l	# 51
38) Carbon Tetrachloride	7.928	117	55152	3.564	ug/l	# 16
49) 1,4-Dioxane	9.592	88	64	0.204	ug/l	# 1
74) N-amyl acetate	12.263	43	583	Below Cal	#	61
75) 1,1,2,2-Tetrachloroethane	12.727	83	248	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	412836	38.943	ug/l	# 1
77) Bromobenzene	12.616	156	585	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.604	75	412836	73.736	ug/l	# 10
94) Hexachlorobutadiene	15.221	225	66	Below Cal	#	18

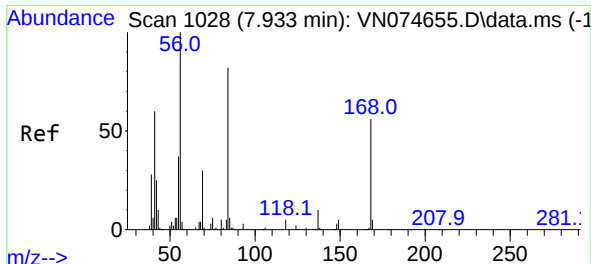
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:11:59 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

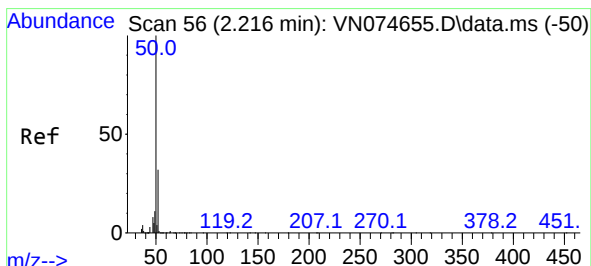
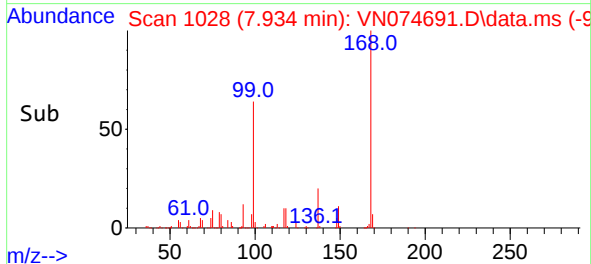
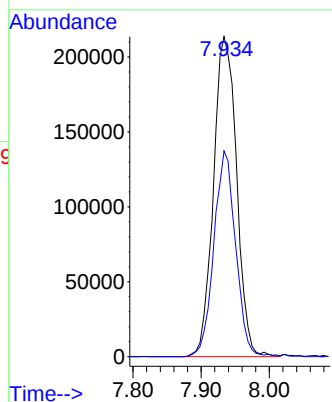
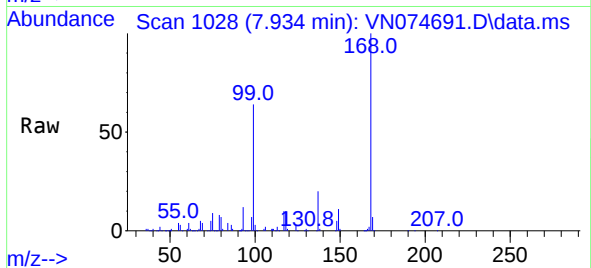




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

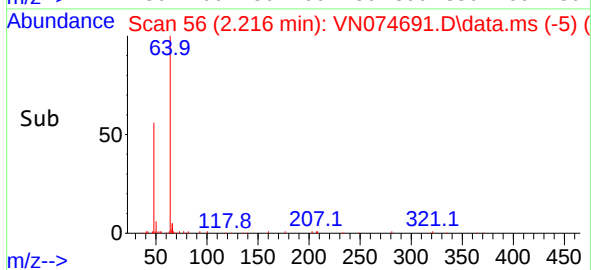
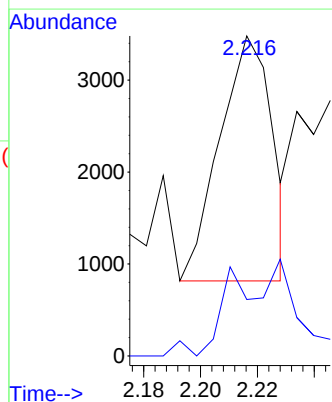
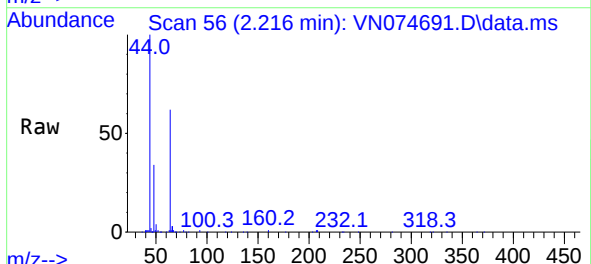
Instrument :
MSVOA_N
ClientSampleId :

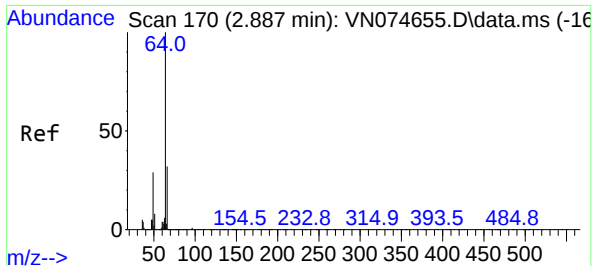
Tgt Ion:168 Resp: 504619
Ion Ratio Lower Upper
168 100
99 64.3 42.3 63.5#



#3
Chloromethane
Concen: 0.222 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 50 Resp: 3434
Ion Ratio Lower Upper
50 100
52 16.8 25.7 38.5#

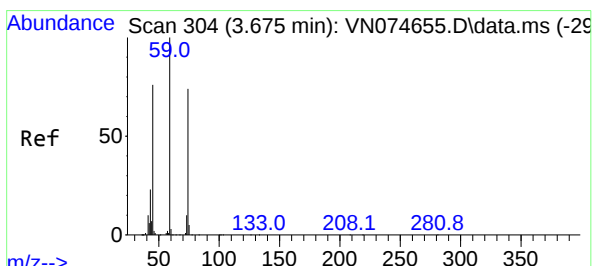
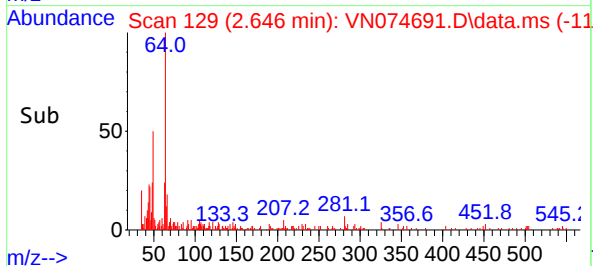
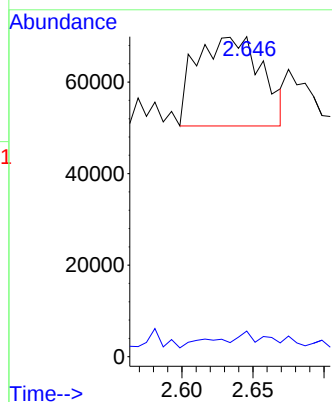
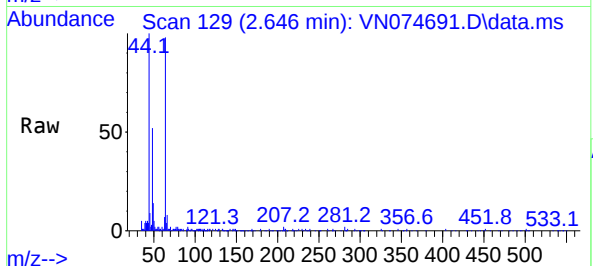




#6
Chloroethane
Concen: 3.619 ug/l
RT: 2.646 min Scan# 11
Delta R.T. -0.241 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

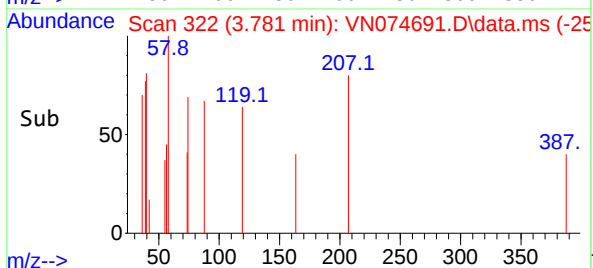
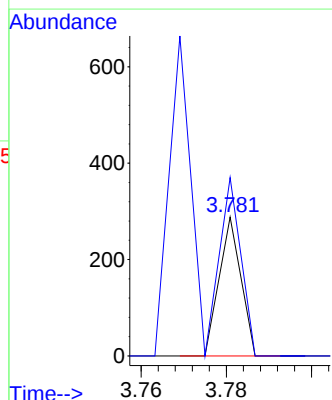
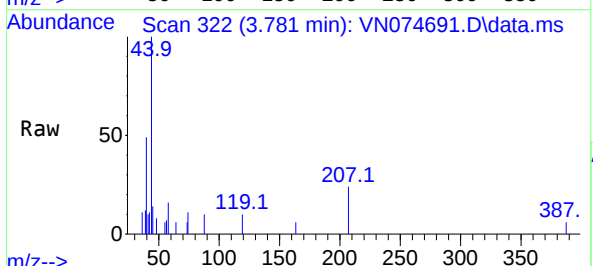
Instrument :
MSVOA_N
ClientSampleId :

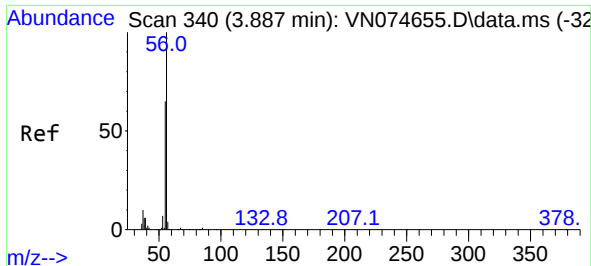
Tgt Ion: 64 Resp: 62410
Ion Ratio Lower Upper
64 100
66 18.8 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.781 min Scan# 322
Delta R.T. 0.106 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 74 Resp: 102
Ion Ratio Lower Upper
74 100
45 357.8 42.9 128.5#

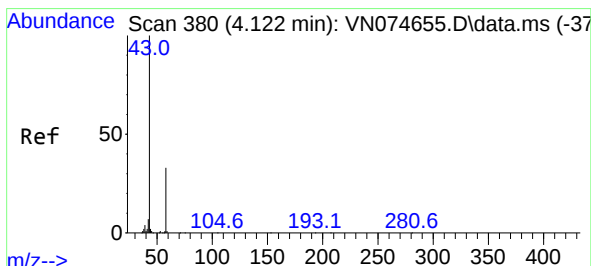
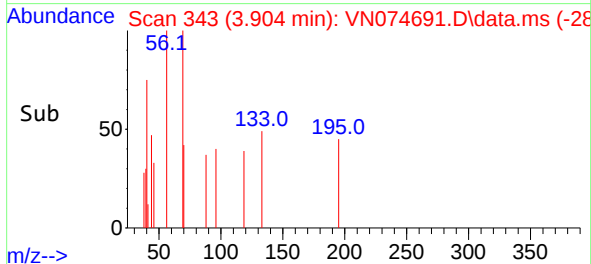
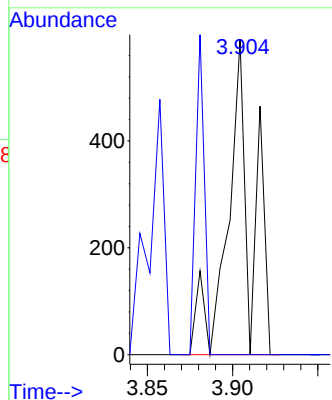
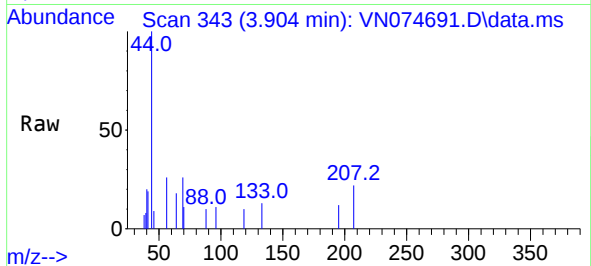




#13
Acrolein
Concen: Below Cal
RT: 3.904 min Scan# 34
Delta R.T. 0.017 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

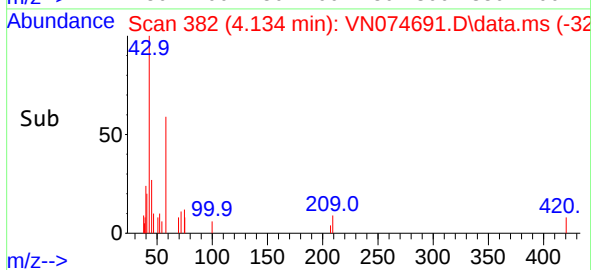
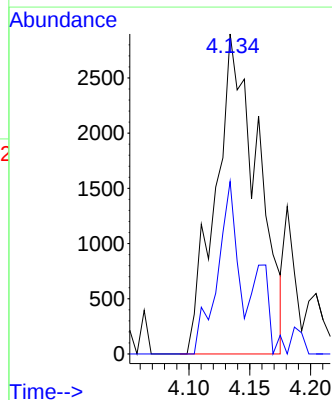
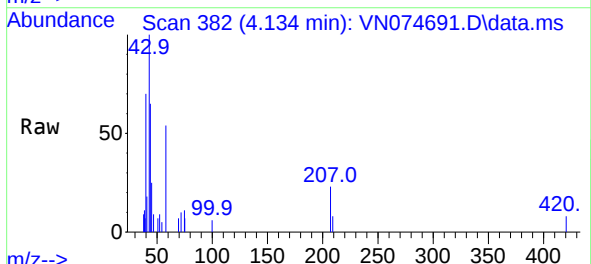
Instrument :
MSVOA_N
ClientSampleId :

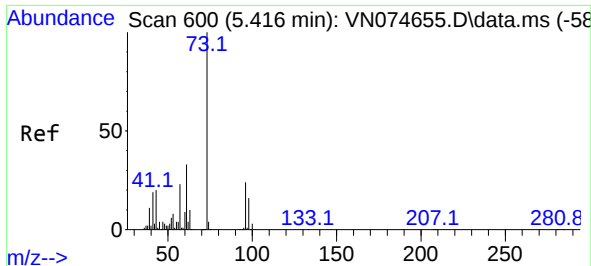
Tgt Ion: 56 Resp: 574
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.134 min Scan# 382
Delta R.T. 0.012 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

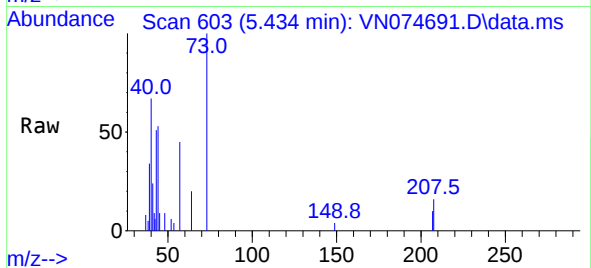
Tgt Ion: 43 Resp: 7021
Ion Ratio Lower Upper
43 100
58 53.9 26.0 39.0#



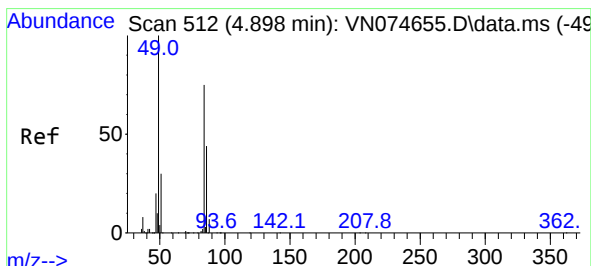
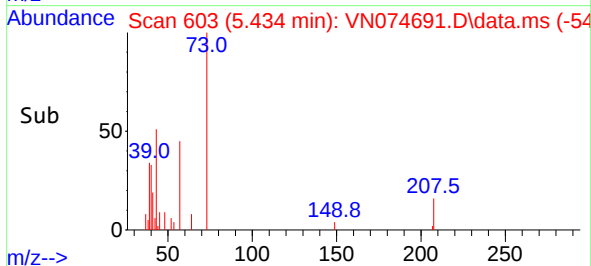
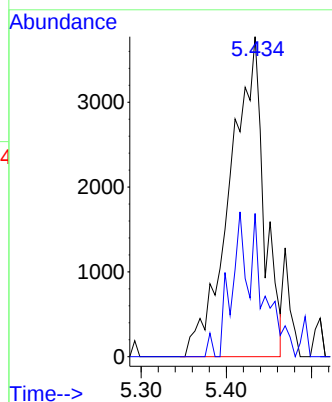


#19
Methyl tert-butyl Ether
Concen: 0.290 ug/l
RT: 5.434 min Scan# 600
Delta R.T. 0.018 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Instrument :
MSVOA_N
ClientSampleId :

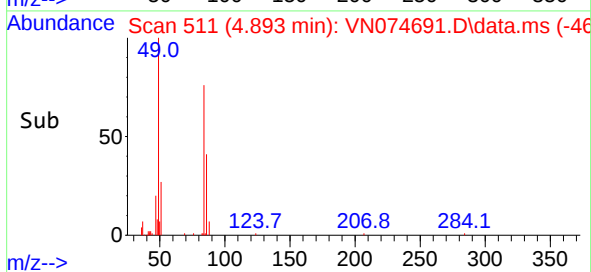
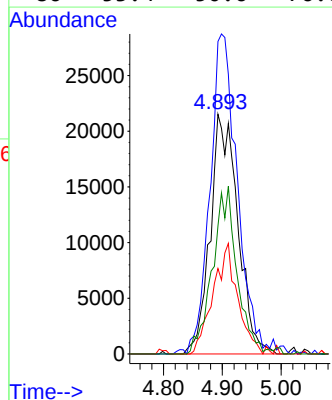
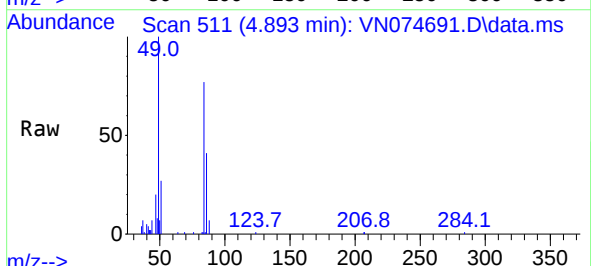


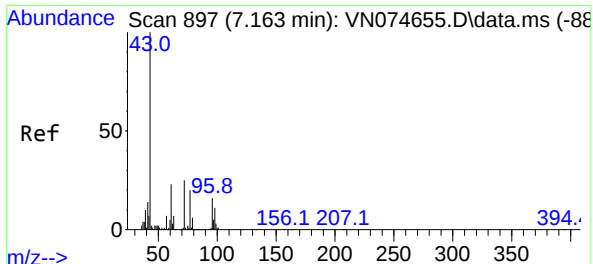
Tgt Ion: 73 Resp: 10429
Ion Ratio Lower Upper
73 100
57 44.8 17.6 26.4#



#20
Methylene Chloride
Concen: 4.990 ug/l
RT: 4.893 min Scan# 511
Delta R.T. -0.005 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 84 Resp: 70281
Ion Ratio Lower Upper
84 100
49 128.5 88.3 132.5
51 35.7 28.2 42.2
86 53.4 50.6 76.0





#25

2-Butanone

Concen: 0.283 ug/l

RT: 7.186 min Scan# 901

Delta R.T. 0.023 min

Lab File: VN074691.D

Acq: 01 Oct 2022 05:37

Instrument :

MSVOA_N

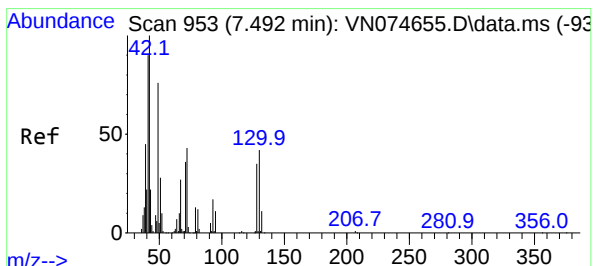
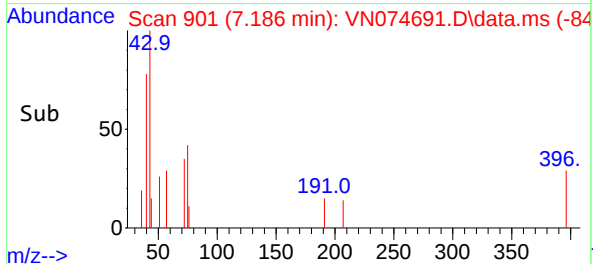
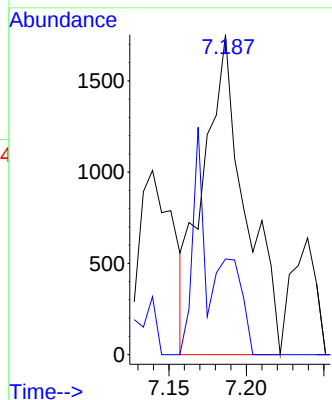
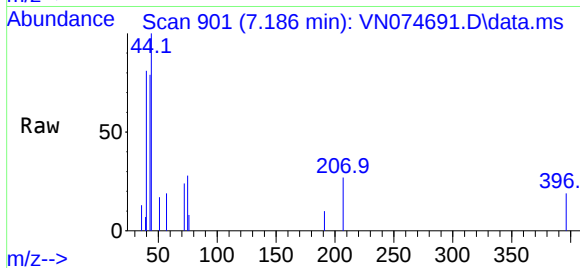
ClientSampleId :

Tgt Ion: 43 Resp: 3298

Ion Ratio Lower Upper

43 100

72 29.9 23.7 35.5



#28

Bromochloromethane

Concen: 0.255 ug/l

RT: 7.657 min Scan# 981

Delta R.T. 0.165 min

Lab File: VN074691.D

Acq: 01 Oct 2022 05:37

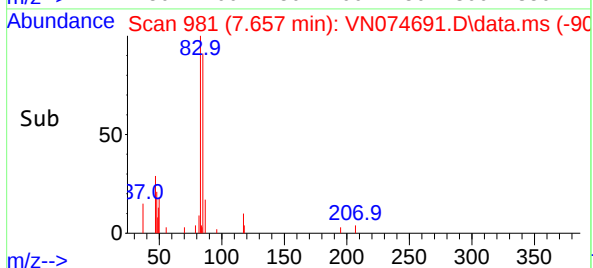
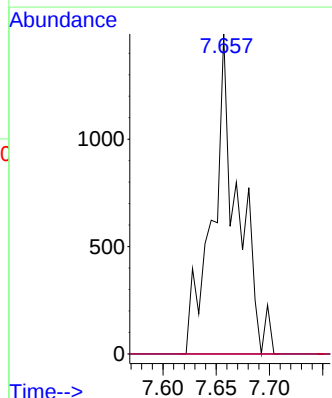
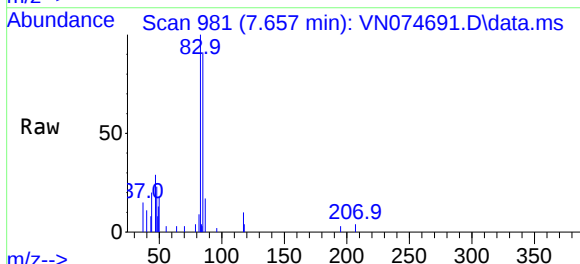
Tgt Ion: 49 Resp: 2454

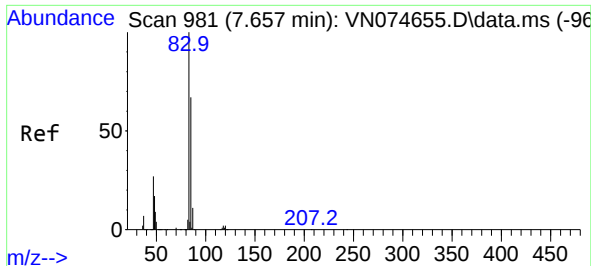
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 69.7 104.5#

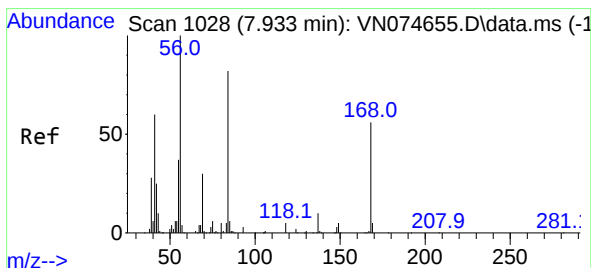
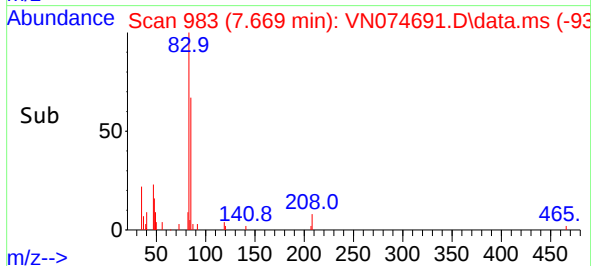
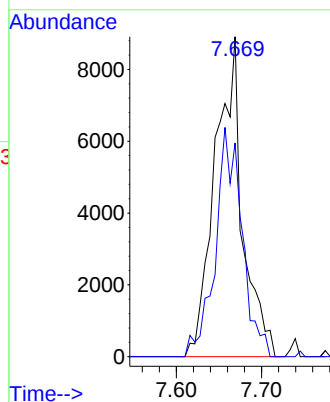
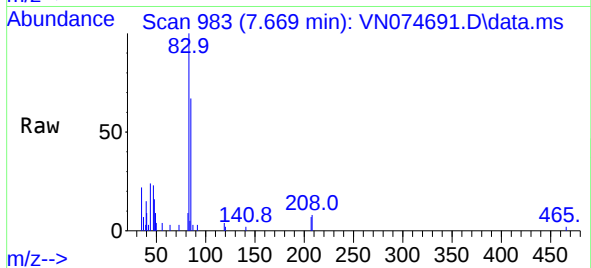




#30
Chloroform
Concen: 1.025 ug/l
RT: 7.669 min Scan# 981
Delta R.T. 0.012 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

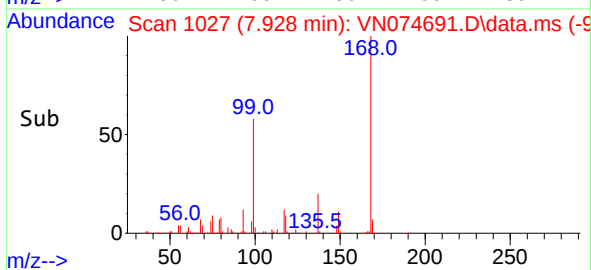
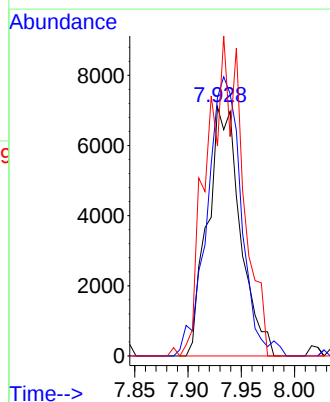
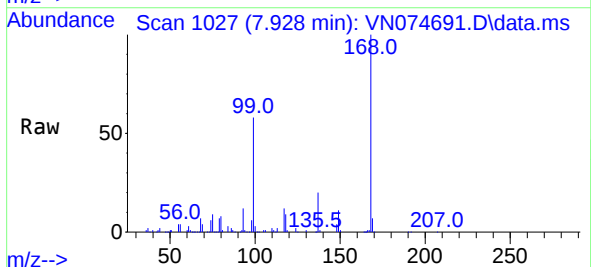
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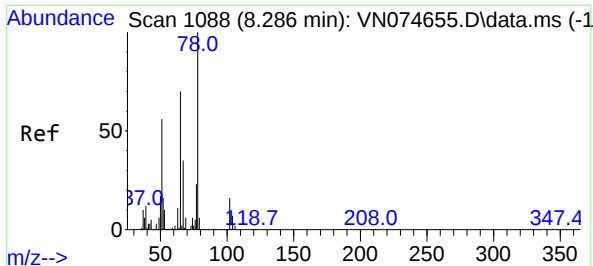
Tgt Ion: 83 Resp: 19971
Ion Ratio Lower Upper
83 100
85 66.8 51.8 77.8



#31
Cyclohexane
Concen: 0.741 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.005 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 56 Resp: 15218
Ion Ratio Lower Upper
56 100
69 101.1 27.8 41.8#
84 84.3 76.9 115.3

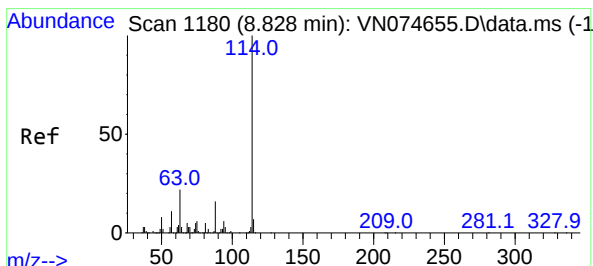
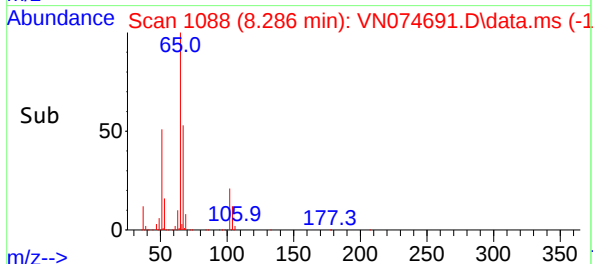
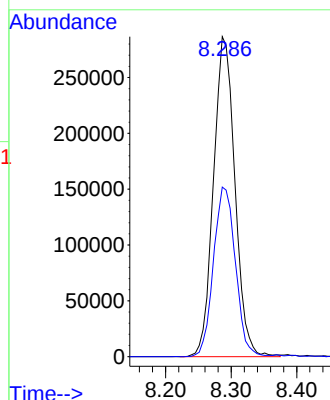
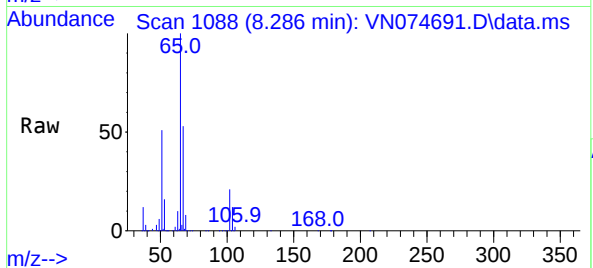




#33
1,2-Dichloroethane-d4
Concen: 51.431 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

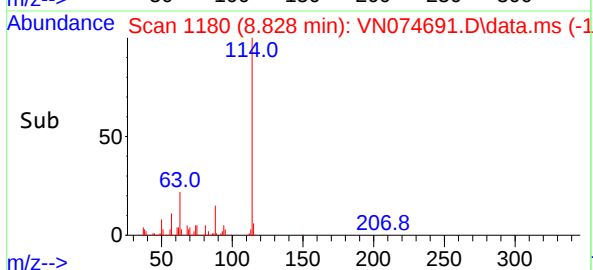
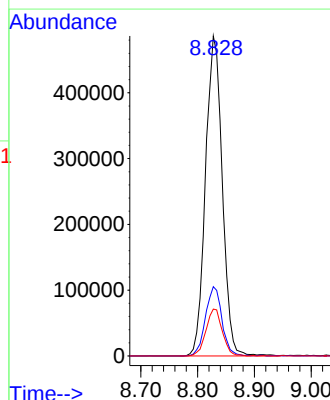
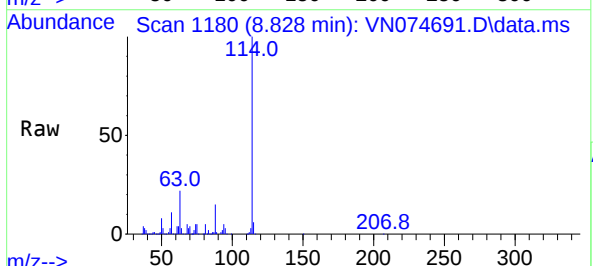
Instrument :
MSVOA_N
ClientSampleId :

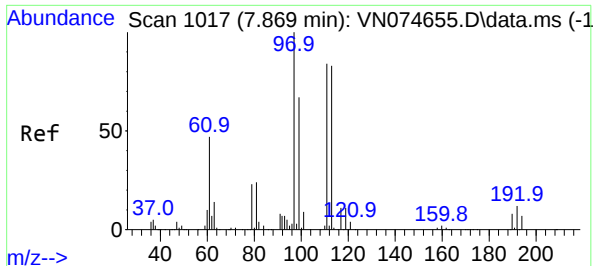
Tgt Ion: 65 Resp: 650440
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

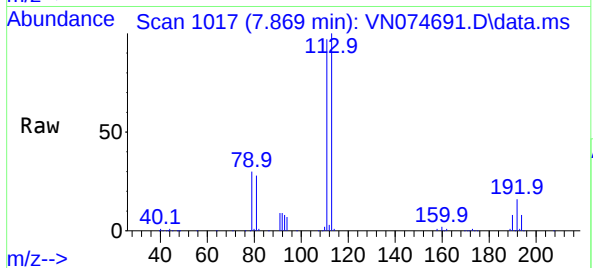
Tgt Ion:114 Resp: 996340
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.0
88 14.6 0.0 32.6



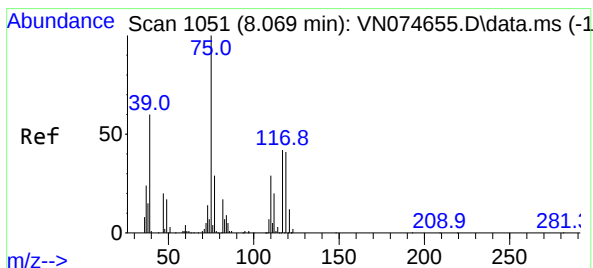
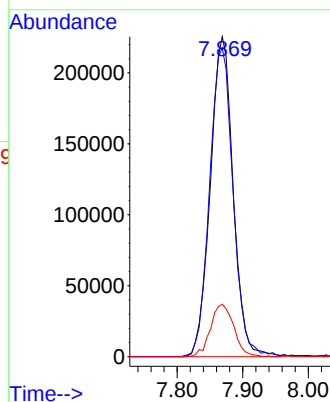
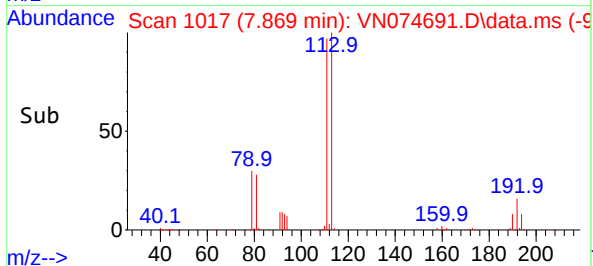


#35
Dibromofluoromethane
Concen: 51.560 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

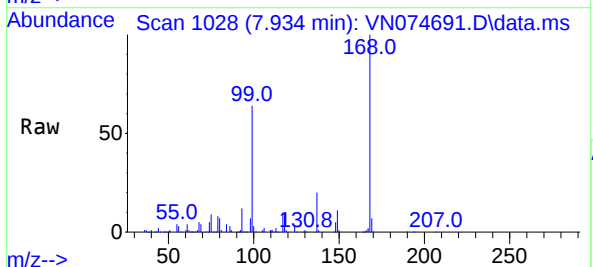
Instrument :
MSVOA_N
ClientSampleId :



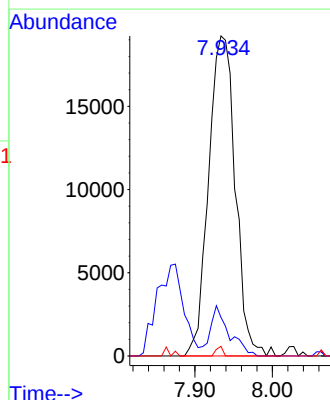
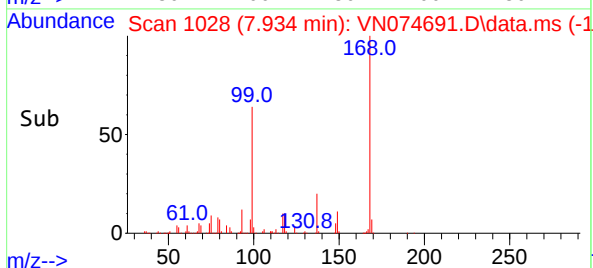
Tgt Ion:113 Resp: 543744
Ion Ratio Lower Upper
113 100
111 99.7 81.4 122.0
192 16.7 17.0 25.6#

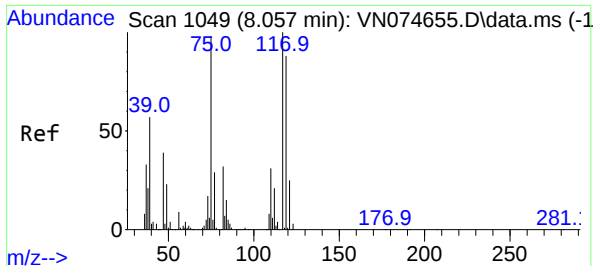


#36
1,1-Dichloropropene
Concen: 2.726 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37



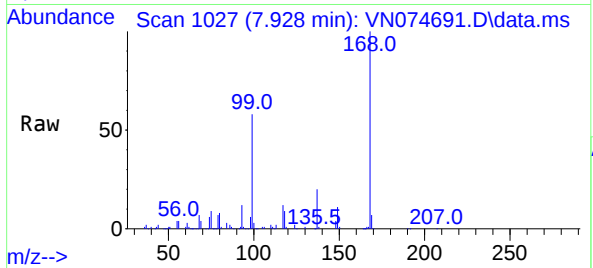
Tgt Ion: 75 Resp: 46035
Ion Ratio Lower Upper
75 100
110 11.2 18.3 54.8#
77 0.7 25.1 37.7#



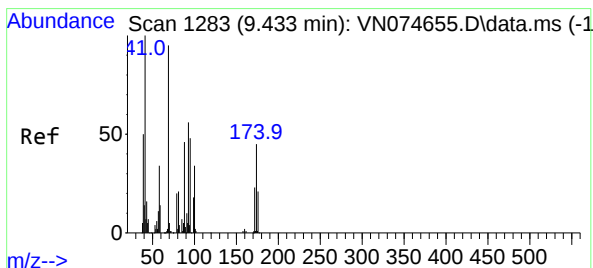
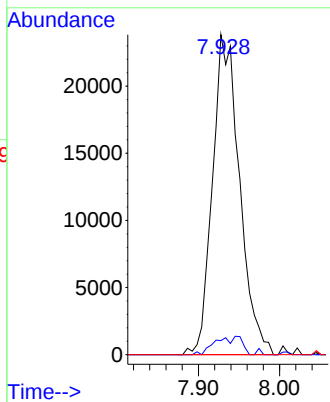
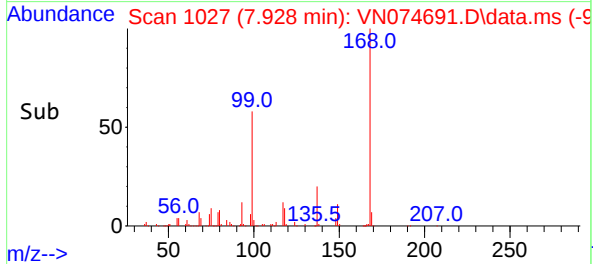


#38
Carbon Tetrachloride
Concen: 3.564 ug/l
RT: 7.928 min Scan# 110
Delta R.T. -0.129 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Instrument :
MSVOA_N
ClientSampleId :

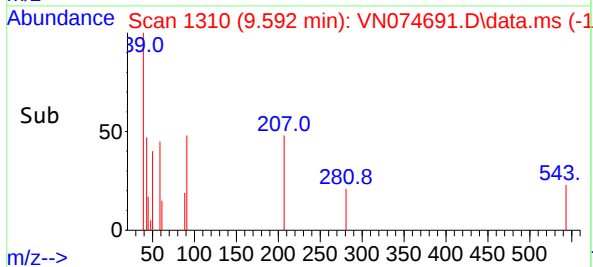
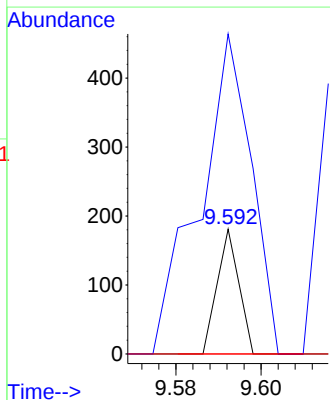
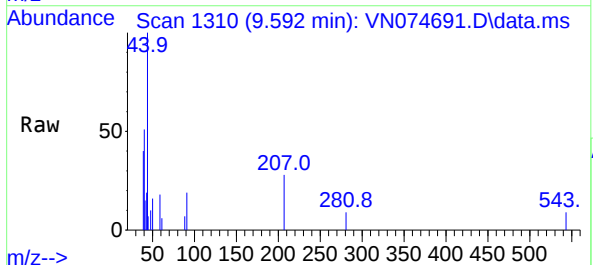


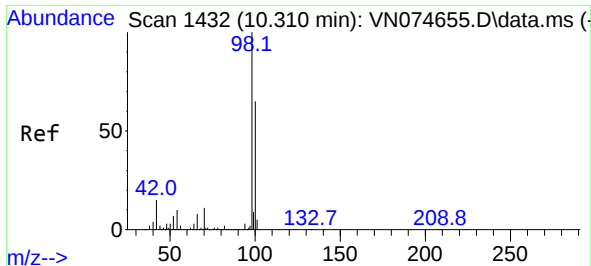
Tgt Ion:117 Resp: 55152
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.204 ug/l
RT: 9.592 min Scan# 1310
Delta R.T. 0.159 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 612.5 20.2 30.4#
58 0.0 54.2 81.4#

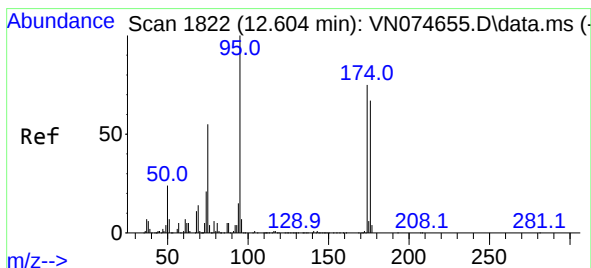
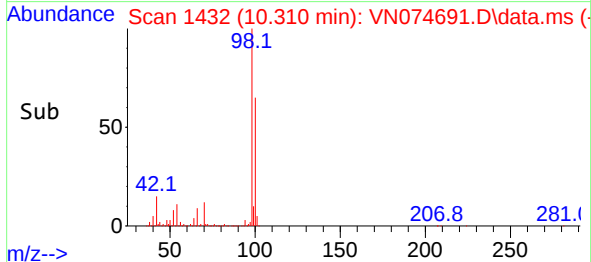
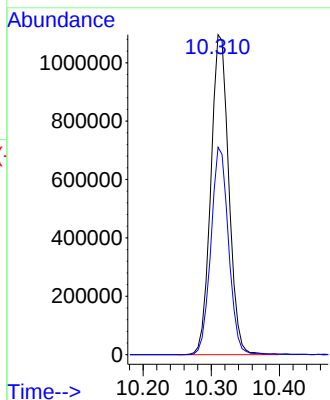
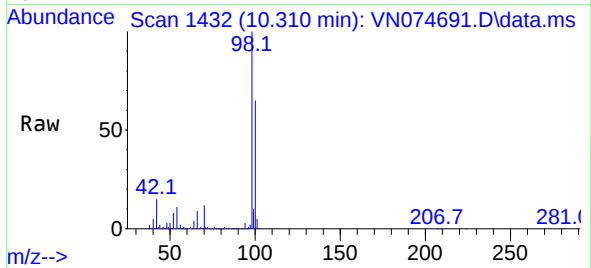




#50
Toluene-d8
Concen: 45.210 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

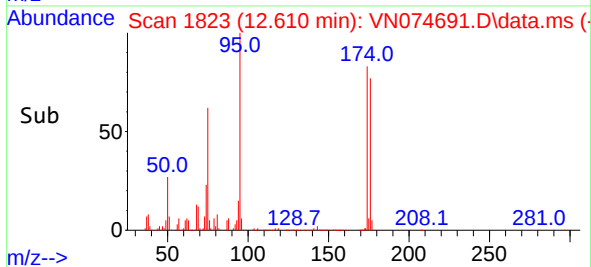
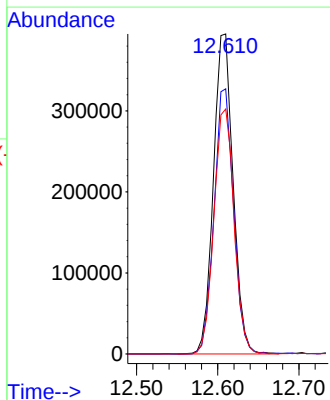
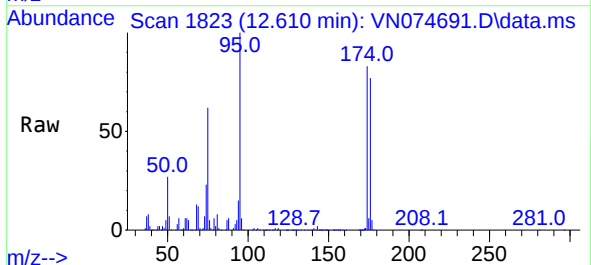
Instrument :
MSVOA_N
ClientSampleId :

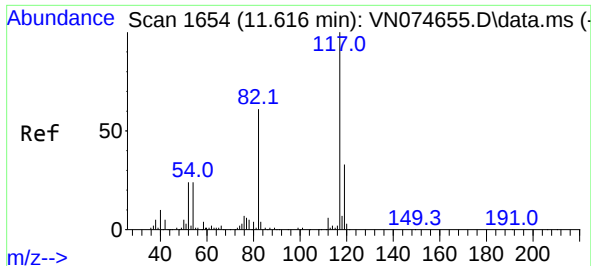
Tgt Ion: 98 Resp: 2005459
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.360 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

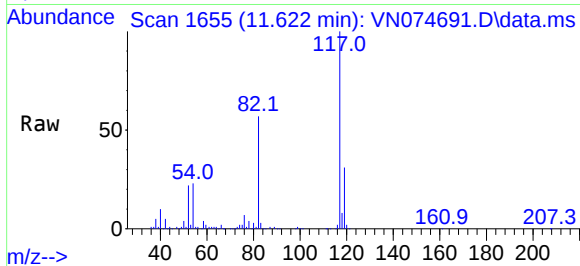
Tgt Ion: 95 Resp: 666144
Ion Ratio Lower Upper
95 100
174 82.3 0.0 167.6
176 78.4 0.0 163.4





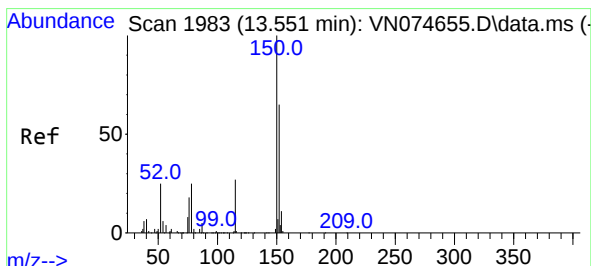
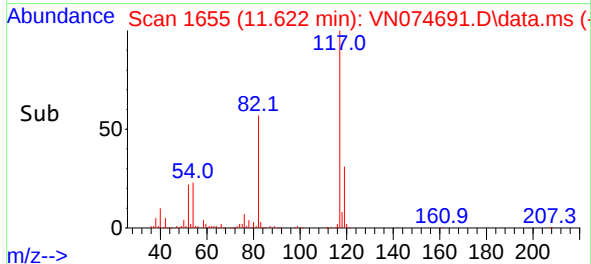
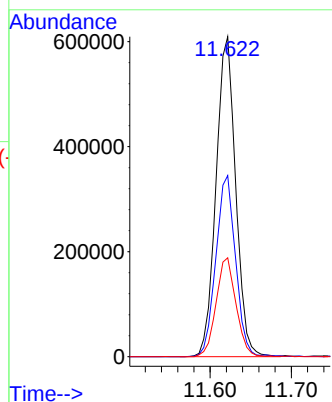
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:117 Resp: 1025441

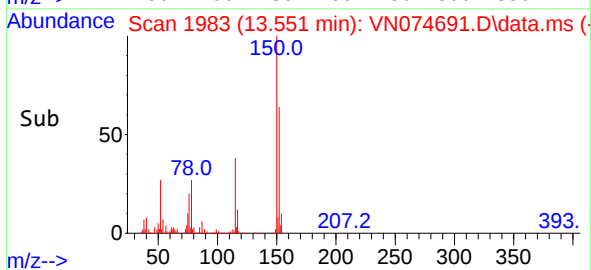
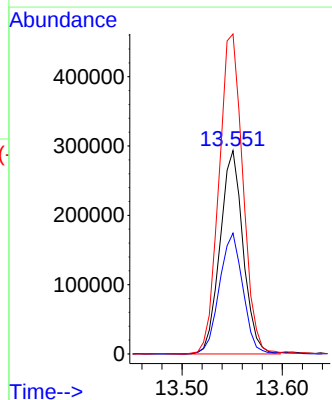
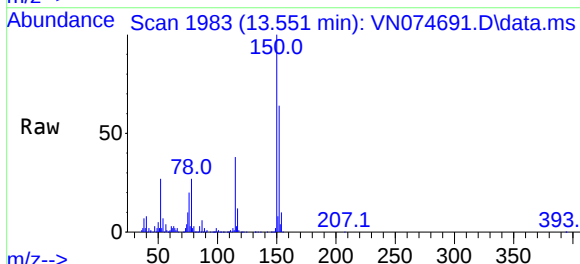
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.2	66.2
119	30.9	25.4	38.0

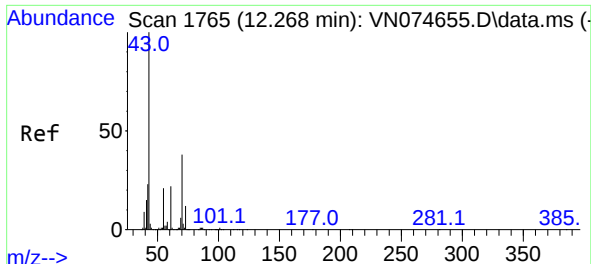


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion:152 Resp: 467875

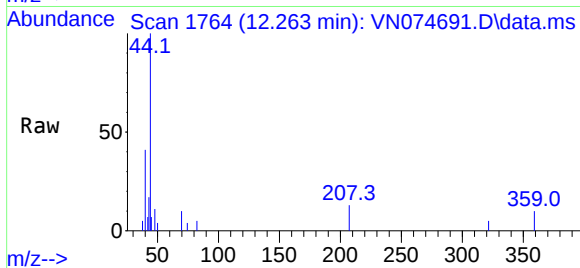
Ion	Ratio	Lower	Upper
152	100		
115	60.8	28.9	86.7
150	163.8	0.0	356.2





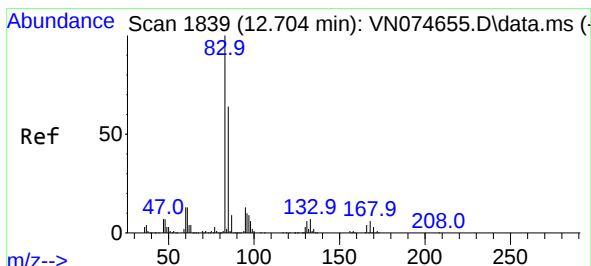
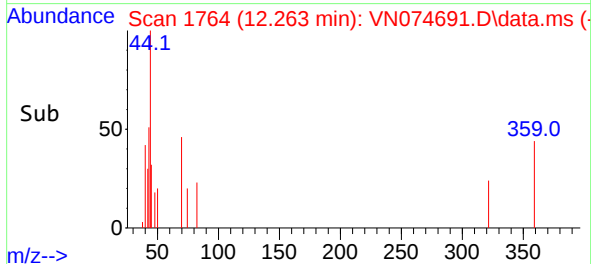
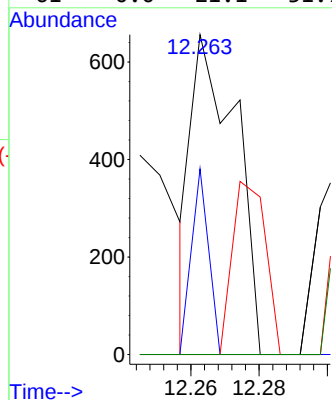
#74
N-amy1 acetate
Concen: Below Cal
RT: 12.263 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 583

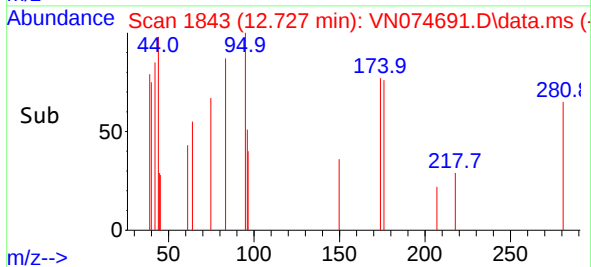
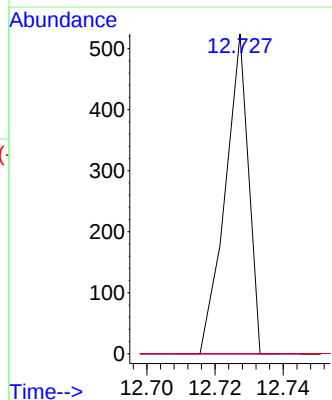
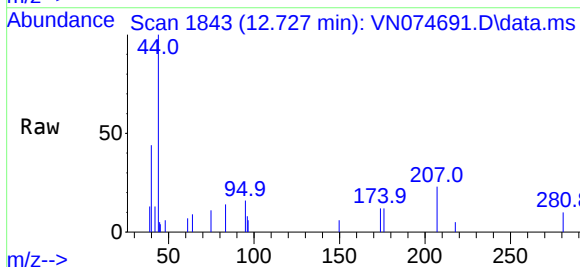
Ion	Ratio	Lower	Upper
43	100		
70	23.0	39.0	58.4#
55	41.0	21.1	31.7#
61	0.0	21.1	31.7#

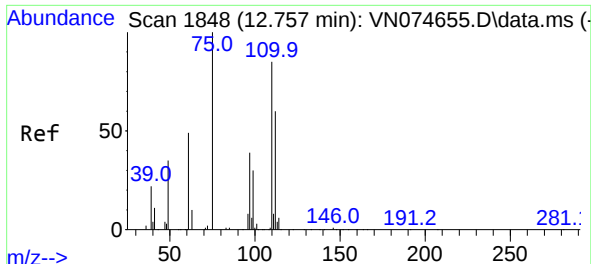


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1843
Delta R.T. 0.023 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

Tgt Ion: 83 Resp: 248

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

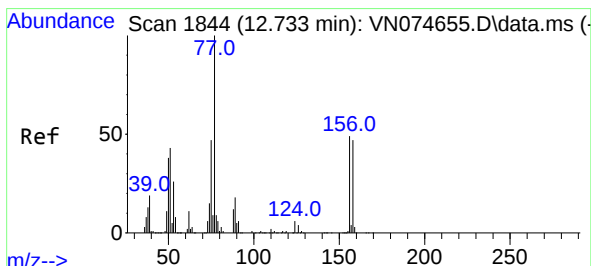
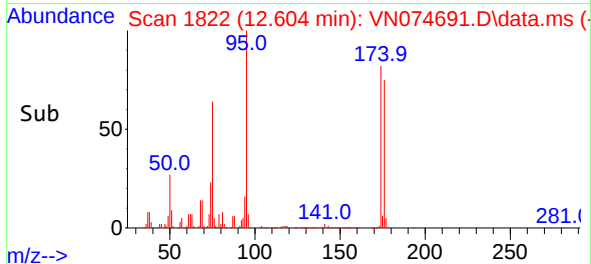
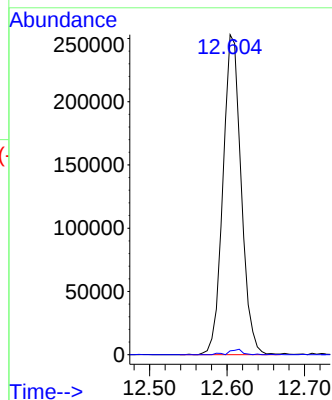
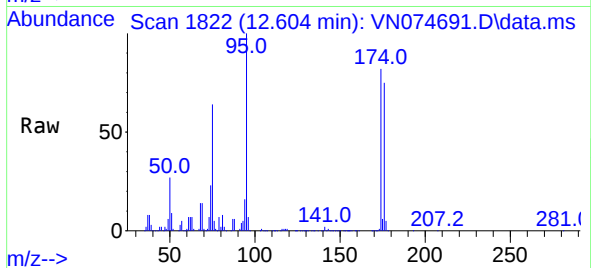




#76
1,2,3-Trichloropropane
Concen: 38.943 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

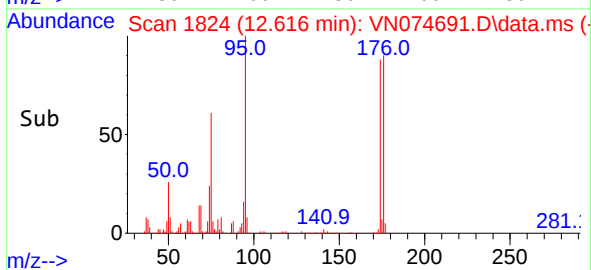
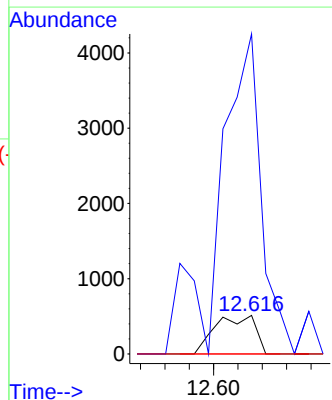
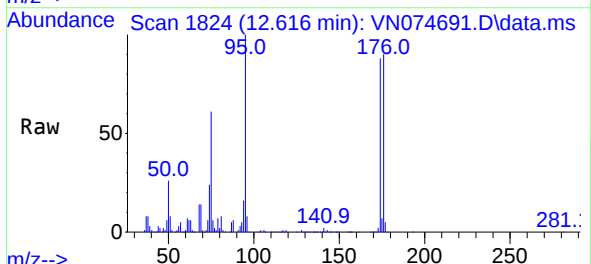
Instrument :
MSVOA_N
ClientSampleId :

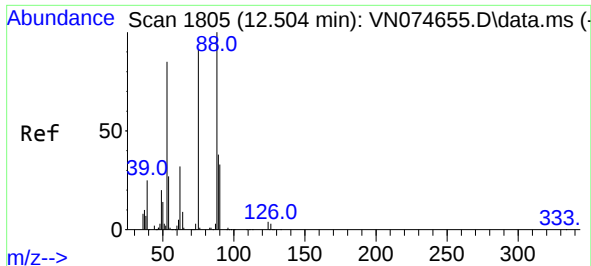
Tgt Ion: 75 Resp: 412836
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.616 min Scan# 1824
Delta R.T. -0.117 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

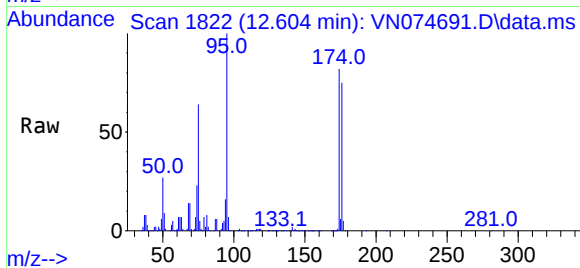
Tgt Ion:156 Resp: 585
Ion Ratio Lower Upper
156 100
77 906.3 100.5 301.5#
158 0.0 48.9 146.6#



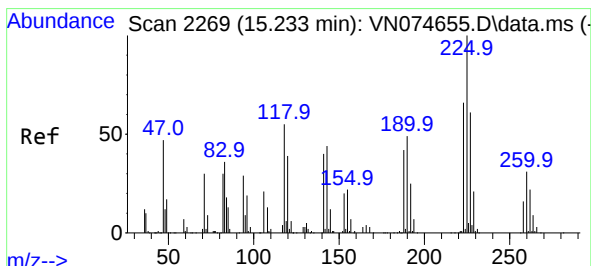
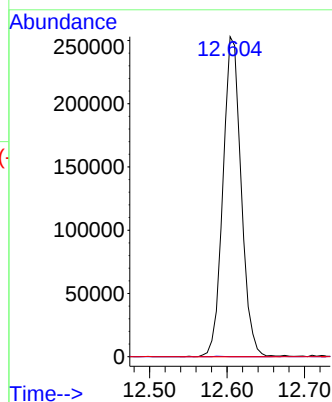
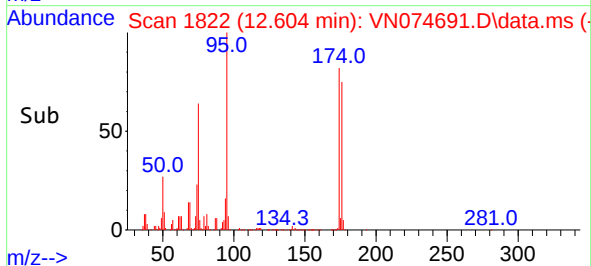


#81
trans-1,4-Dichloro-2-butene
Concen: 73.736 ug/l
RT: 12.604 min Scan# 1805
Delta R.T. 0.100 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37

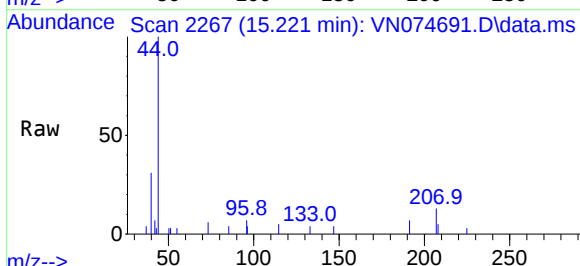
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 412836
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.221 min Scan# 2267
Delta R.T. -0.012 min
Lab File: VN074691.D
Acq: 01 Oct 2022 05:37



Tgt Ion: 225 Resp: 66
Ion Ratio Lower Upper
225 100
223 0.0 32.4 97.2#
227 0.0 31.8 95.4#

