

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074693.D
 Acq On : 01 Oct 2022 06:25
 Operator : JC\MD
 Sample : N4882-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 03 02:12:19 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)

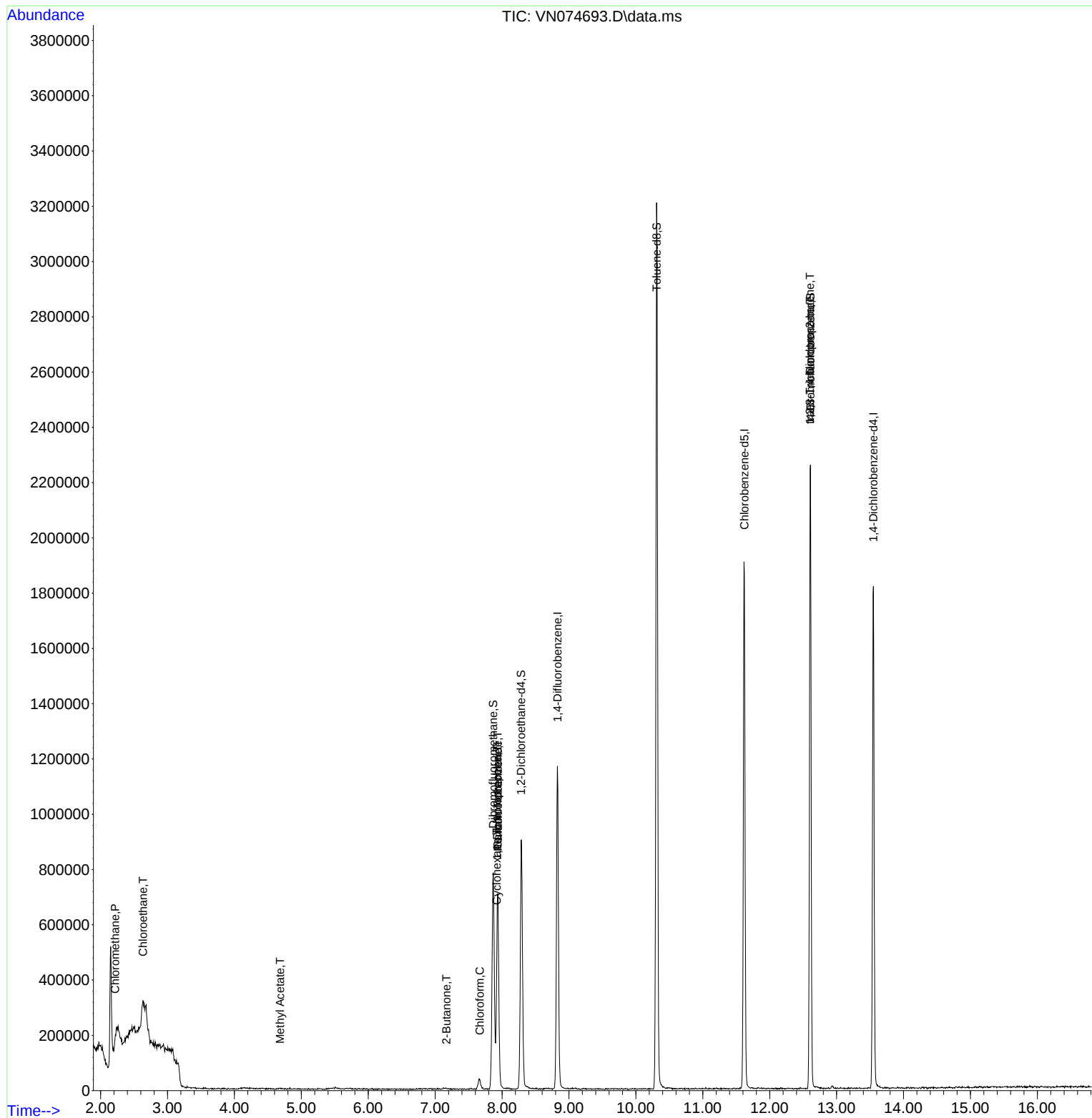
Internal Standards						
1) Pentafluorobenzene	7.939	168	522142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	991352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.621	117	990661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	454083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	665792	50.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.760%	
35) Dibromofluoromethane	7.869	113	539052	51.373	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.740%	
50) Toluene-d8	10.310	98	2054975	46.559	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.120%	
62) 4-Bromofluorobenzene	12.610	95	672259	48.035	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	3469	0.217	ug/l	98
6) Chloroethane	2.634	64	54896	3.076	ug/l #	55
8) Diethyl Ether	3.498	74	96	Below Cal	#	1
13) Acrolein	3.904	56	534	Below Cal		88
16) Acetone	4.140	43	5514	Below Cal	#	67
18) Methyl Acetate	4.681	43	6226	0.258	ug/l #	71
20) Methylene Chloride	4.904	84	429	Below Cal	#	10
25) 2-Butanone	7.169	43	2491	0.207	ug/l #	54
30) Chloroform	7.669	83	32340	1.605	ug/l #	79
31) Cyclohexane	7.922	56	15650	0.736	ug/l #	42
36) 1,1-Dichloropropene	7.928	75	49300	2.934	ug/l #	47
38) Carbon Tetrachloride	7.933	117	53309	3.463	ug/l #	16
74) N-amyl acetate	12.263	43	123	Below Cal	#	39
75) 1,1,2,2-Tetrachloroethane	12.674	83	96	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.604	75	394574	38.307	ug/l #	1
77) Bromobenzene	12.604	156	381	Below Cal	#	8
81) trans-1,4-Dichloro-2-b...	12.604	75	394574	72.615	ug/l #	10

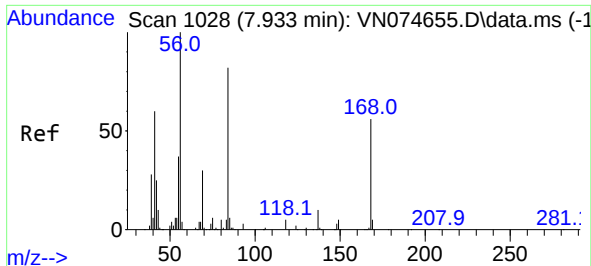
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 02:12:19 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

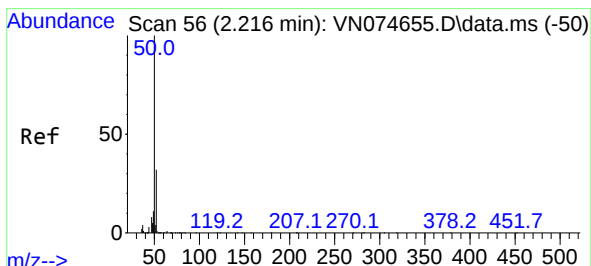
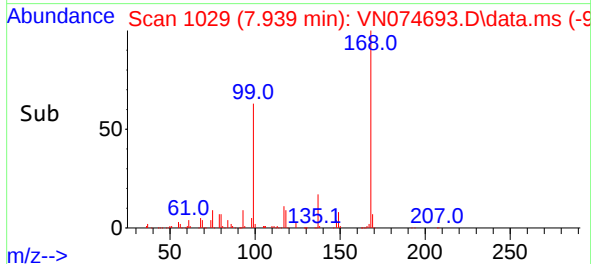
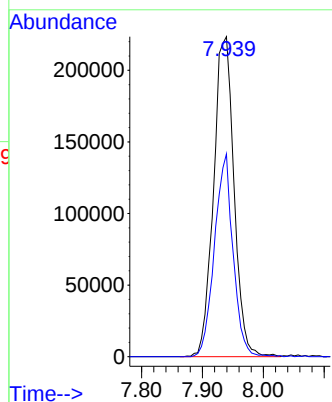
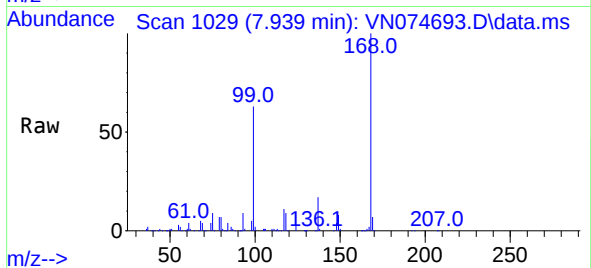




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

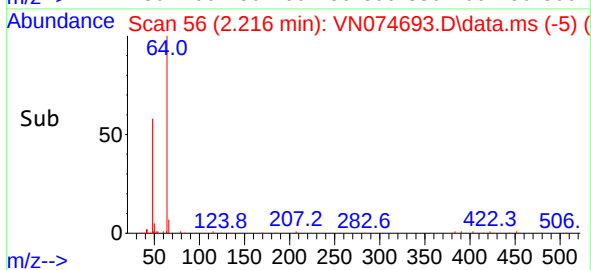
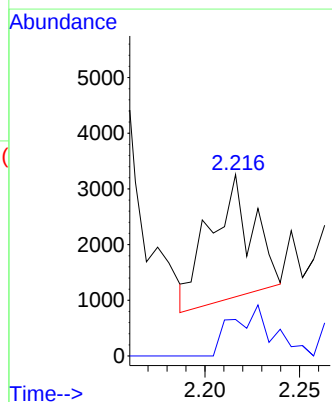
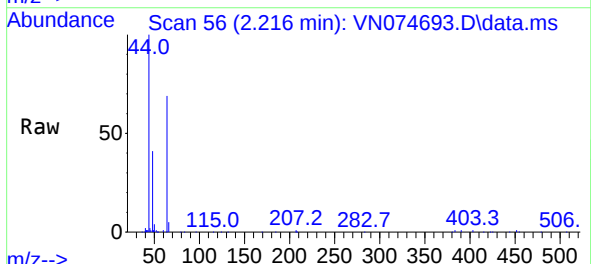
Instrument :
MSVOA_N
ClientSampleId :

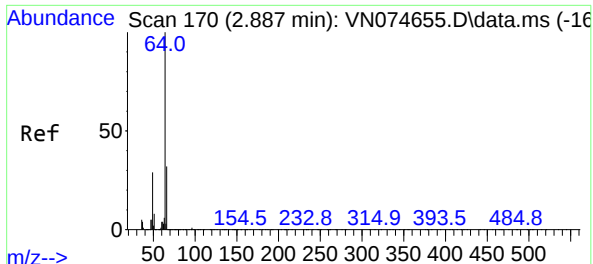
Tgt Ion:168 Resp: 522142
Ion Ratio Lower Upper
168 100
99 63.3 42.3 63.5



#3
Chloromethane
Concen: 0.217 ug/l
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 50 Resp: 3469
Ion Ratio Lower Upper
50 100
52 33.3 25.7 38.5

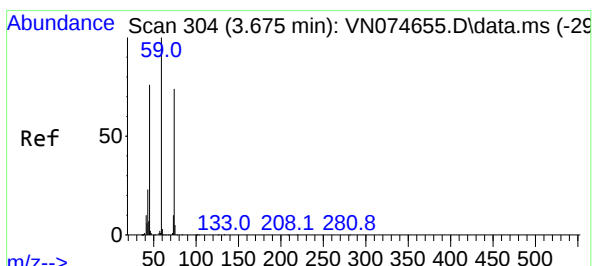
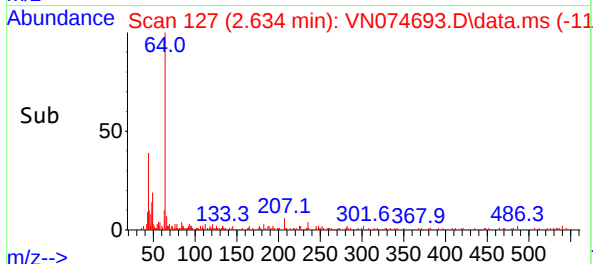
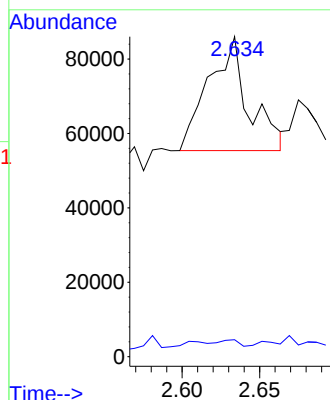
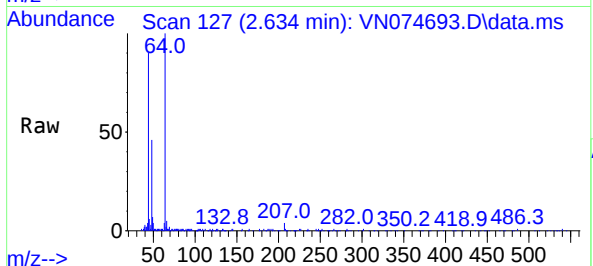




#6
Chloroethane
Concen: 3.076 ug/l
RT: 2.634 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

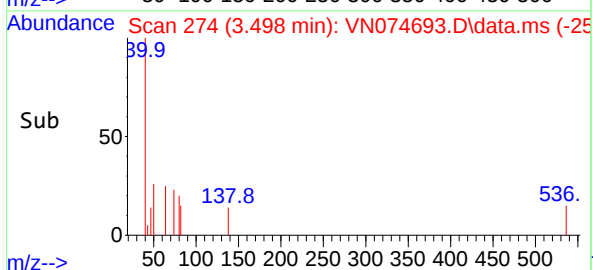
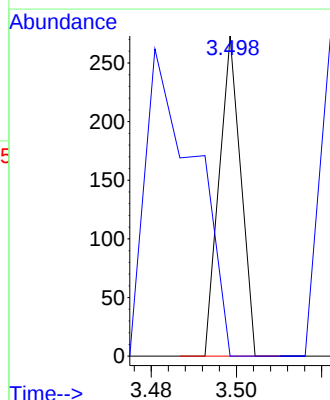
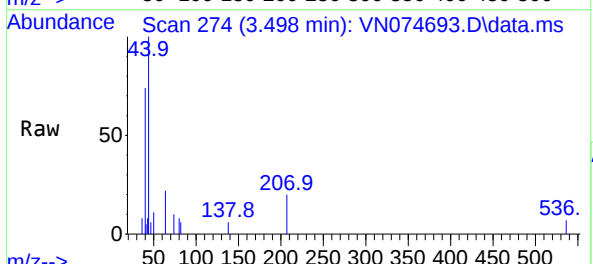
Instrument :
MSVOA_N
ClientSampleId :

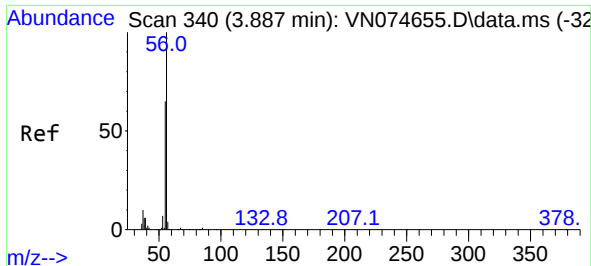
Tgt Ion: 64 Resp: 54896
Ion Ratio Lower Upper
64 100
66 7.3 26.2 39.4#



#8
Diethyl Ether
Concen: Below Cal
RT: 3.498 min Scan# 274
Delta R.T. -0.177 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 74 Resp: 96
Ion Ratio Lower Upper
74 100
45 221.9 42.9 128.5#

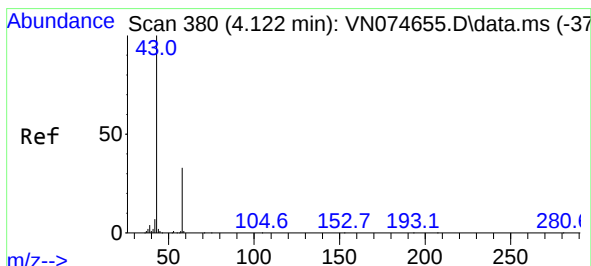
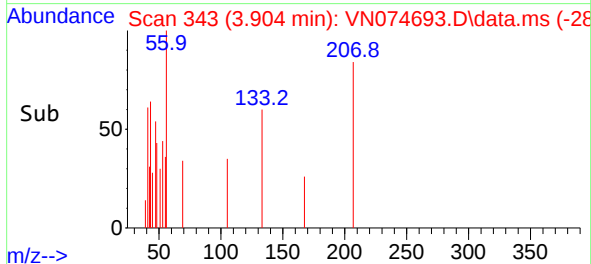
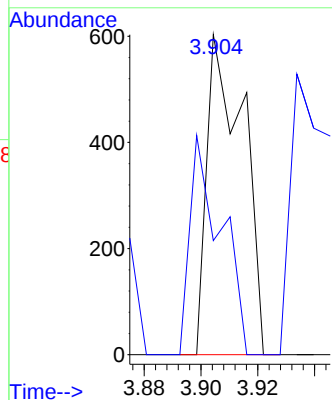
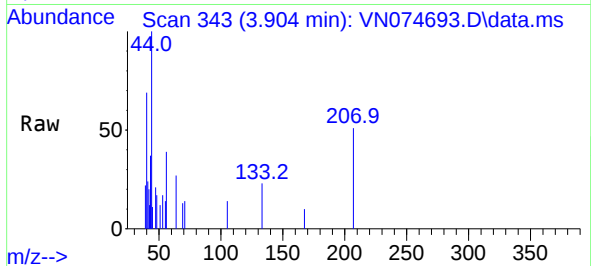




#13
Acrolein
Concen: Below Cal
RT: 3.904 min Scan# 341
Delta R.T. 0.017 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

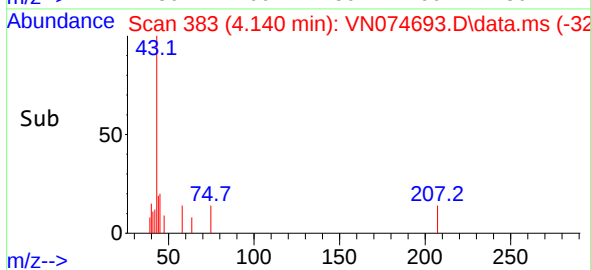
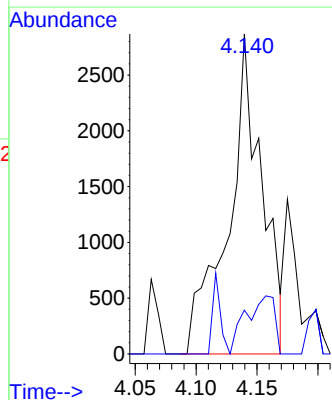
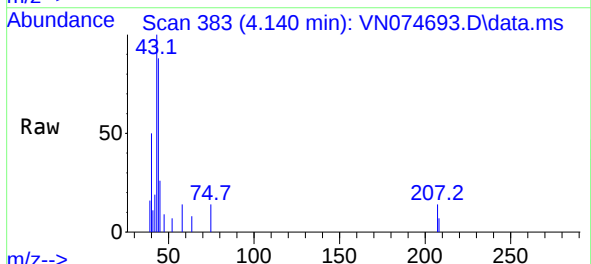
Instrument :
MSVOA_N
ClientSampleId :

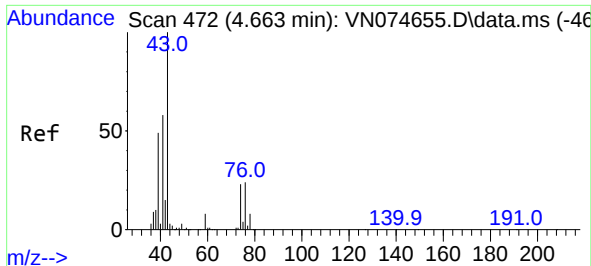
Tgt Ion: 56 Resp: 534
Ion Ratio Lower Upper
56 100
55 58.6 54.8 82.2



#16
Acetone
Concen: Below Cal
RT: 4.140 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 43 Resp: 5514
Ion Ratio Lower Upper
43 100
58 13.7 26.0 39.0#

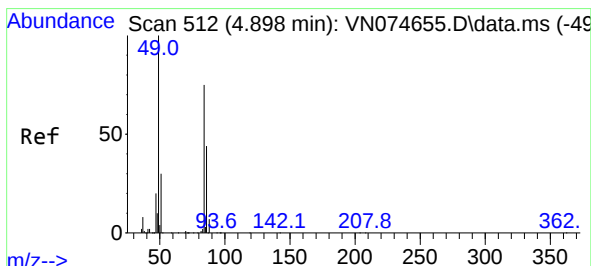
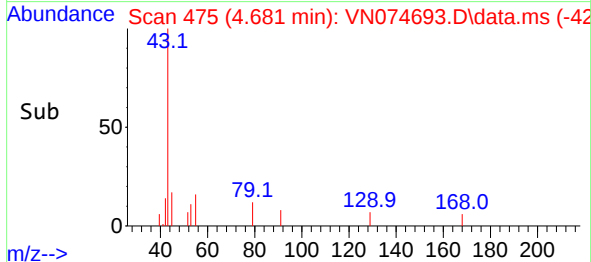
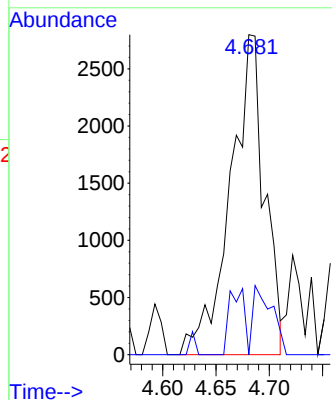
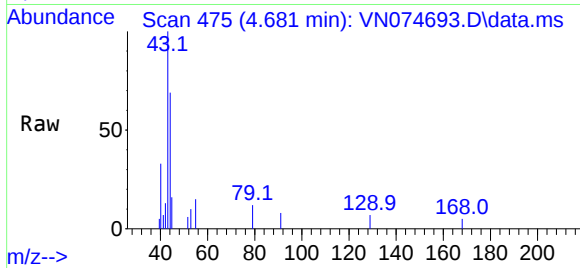




#18
Methyl Acetate
Concen: 0.258 ug/l
RT: 4.681 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

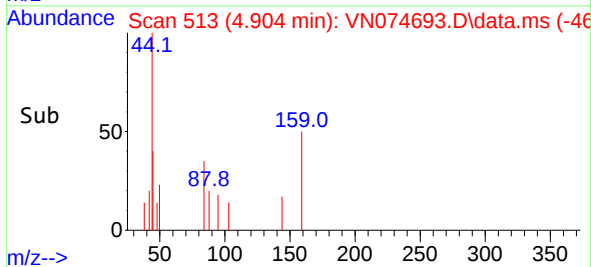
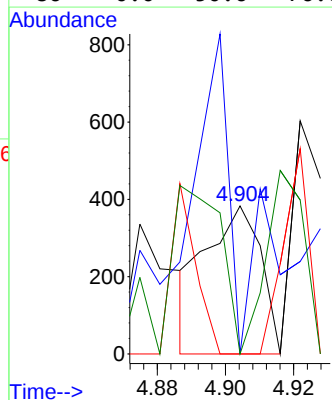
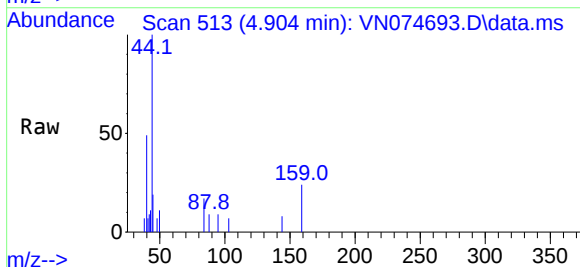
Instrument :
MSVOA_N
ClientSampleId :

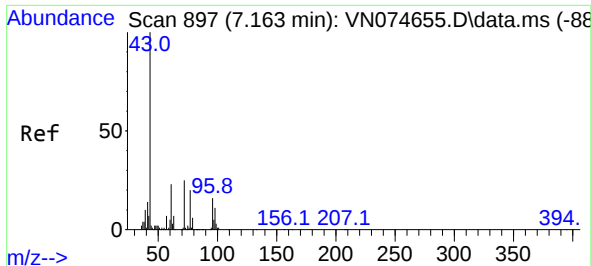
Tgt Ion: 43 Resp: 6226
Ion Ratio Lower Upper
43 100
74 12.1 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.904 min Scan# 513
Delta R.T. 0.006 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 84 Resp: 429
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#

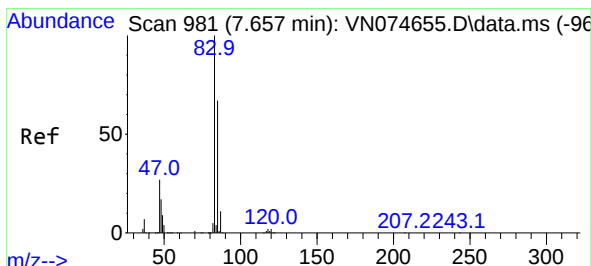
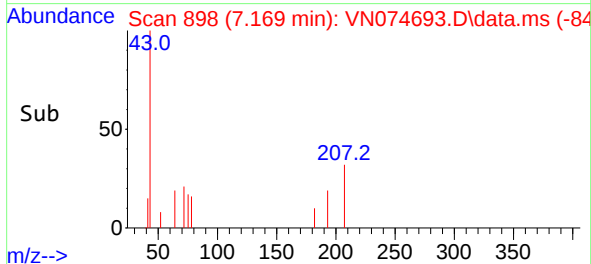
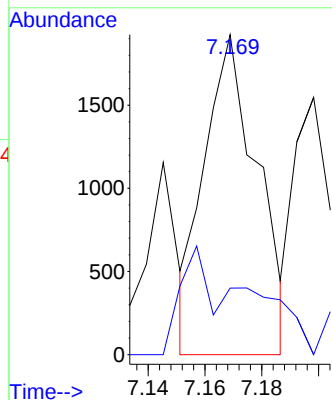
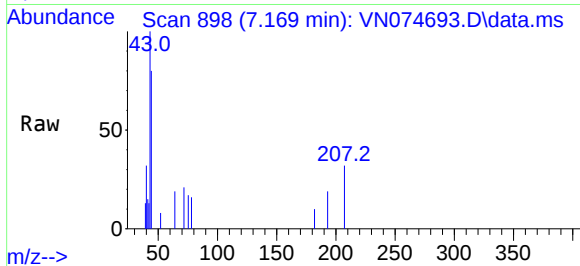




#25
2-Butanone
Concen: 0.207 ug/l
RT: 7.169 min Scan# 897
Delta R.T. 0.006 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

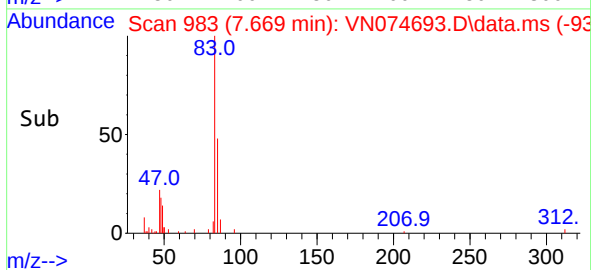
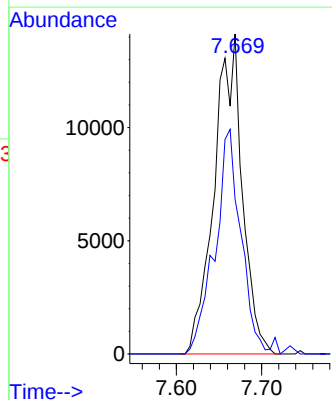
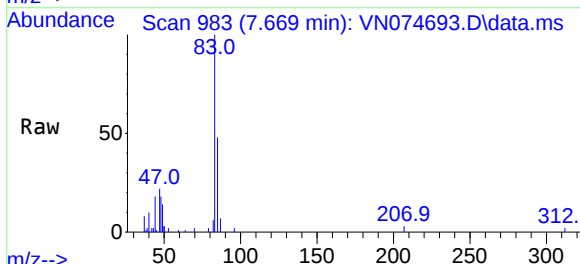
Instrument :
MSVOA_N
ClientSampleId :

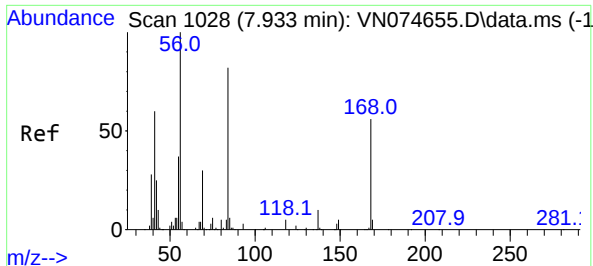
Tgt Ion: 43 Resp: 2491
Ion Ratio Lower Upper
43 100
72 4.7 23.7 35.5#



#30
Chloroform
Concen: 1.605 ug/l
RT: 7.669 min Scan# 983
Delta R.T. 0.012 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

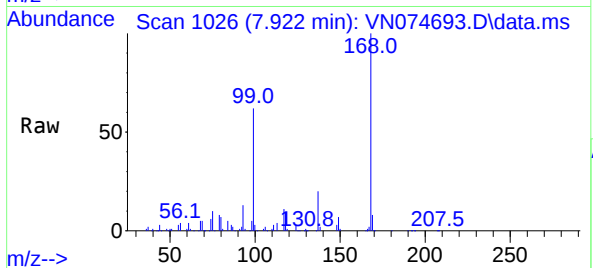
Tgt Ion: 83 Resp: 32340
Ion Ratio Lower Upper
83 100
85 48.3 51.8 77.8#



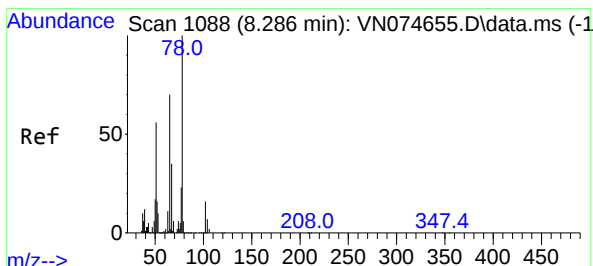
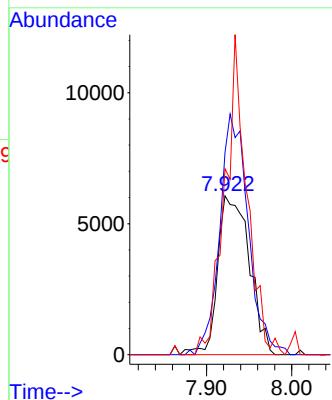
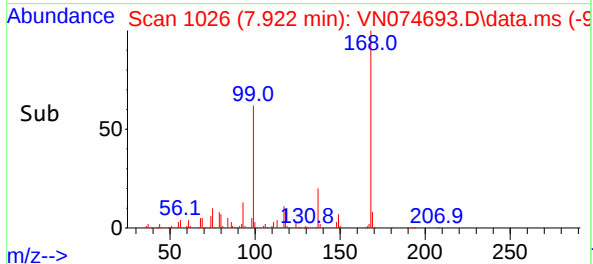


#31
Cyclohexane
Concen: 0.736 ug/l
RT: 7.922 min Scan# 1026
Delta R.T. -0.011 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

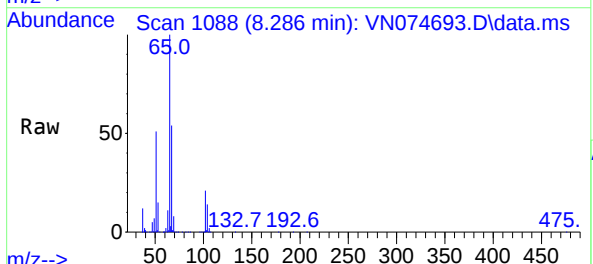
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MSVOA_N
ClientSampleId :



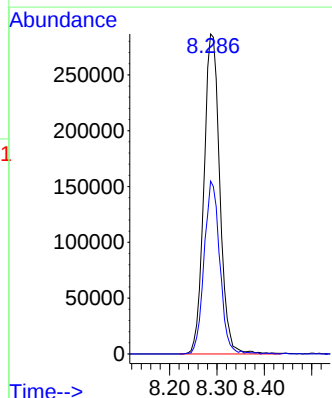
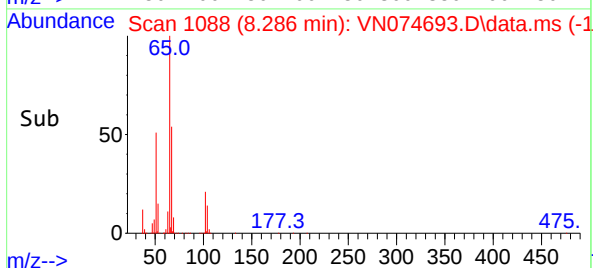
Tgt Ion: 56 Resp: 15650
Ion Ratio Lower Upper
56 100
69 127.1 27.8 41.8#
84 117.0 76.9 115.3#

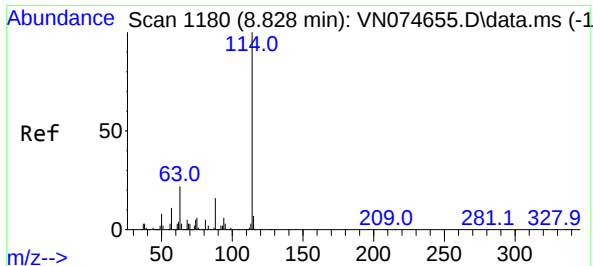


#33
1,2-Dichloroethane-d4
Concen: 50.878 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25



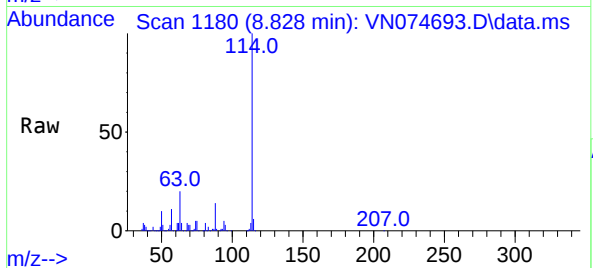
Tgt Ion: 65 Resp: 665792
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8



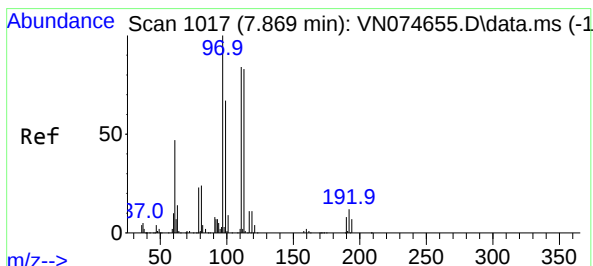
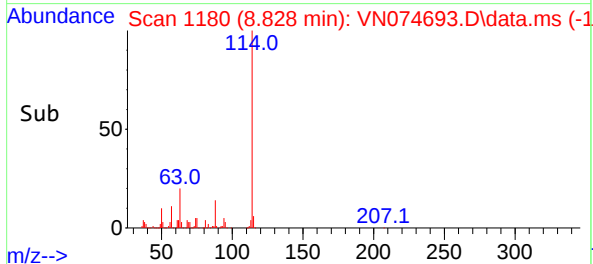
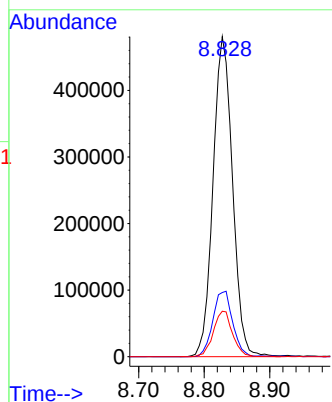


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Instrument :
MSVOA_N
ClientSampleId :

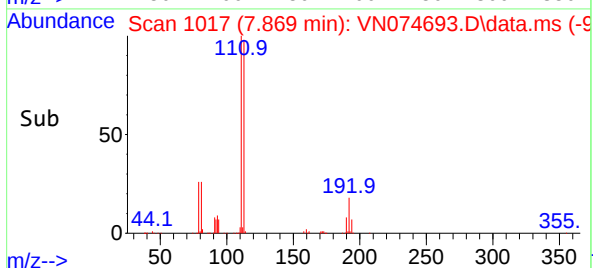
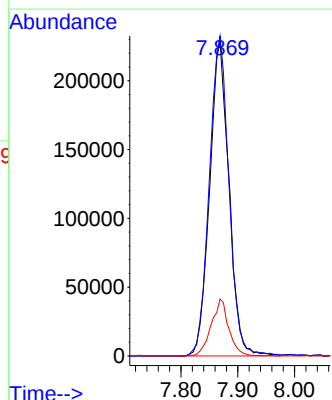
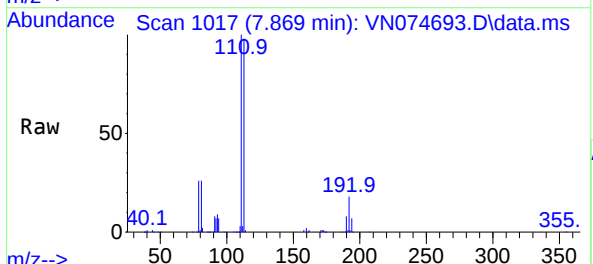


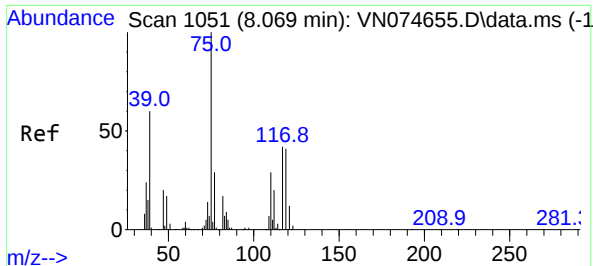
Tgt Ion:114 Resp: 991352
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.0
88 14.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.373 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion:113 Resp: 539052
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 16.4 17.0 25.6#

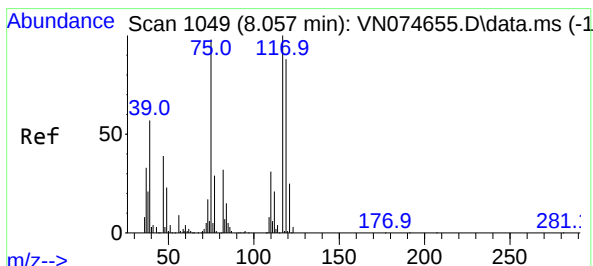
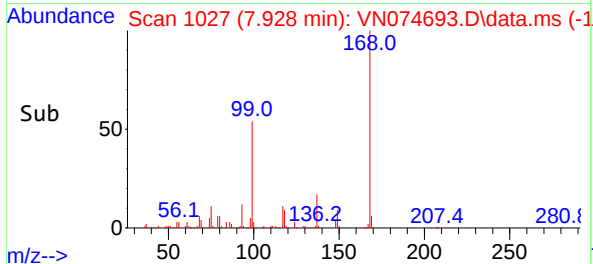
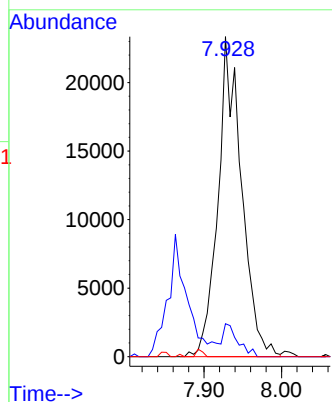
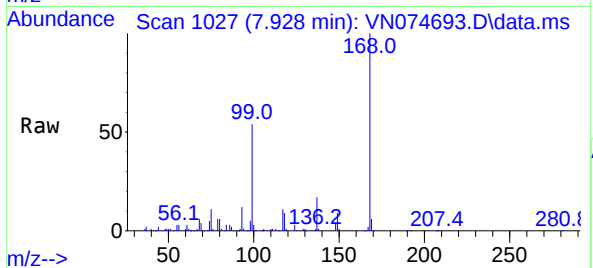




#36
1,1-Dichloropropene
Concen: 2.934 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.141 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

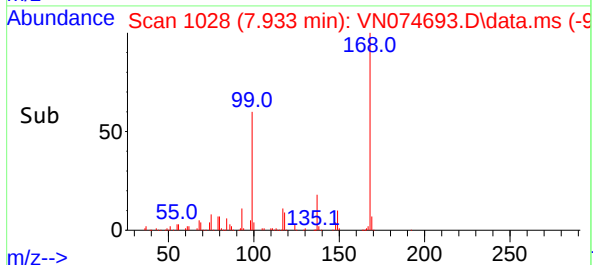
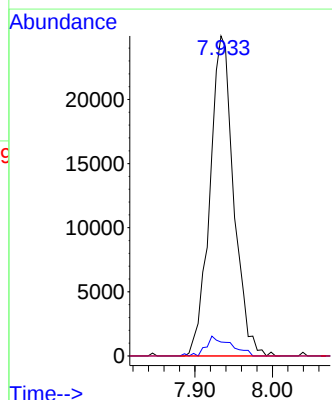
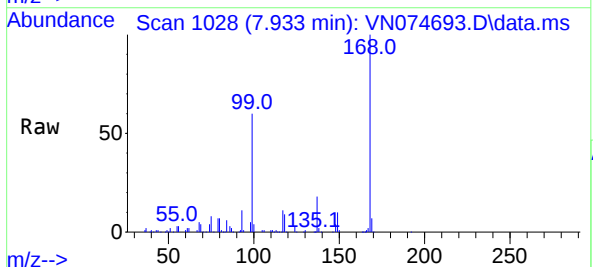
Instrument :
MSVOA_N
ClientSampleId :

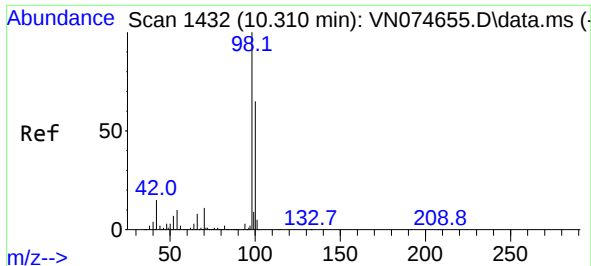
Tgt Ion: 75 Resp: 49300
Ion Ratio Lower Upper
75 100
110 6.9 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.463 ug/l
RT: 7.933 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 117 Resp: 53309
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.8#
121 0.0 24.6 37.0#

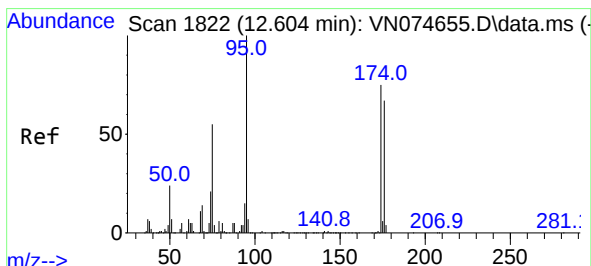
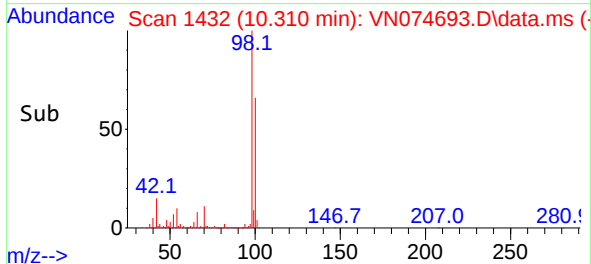
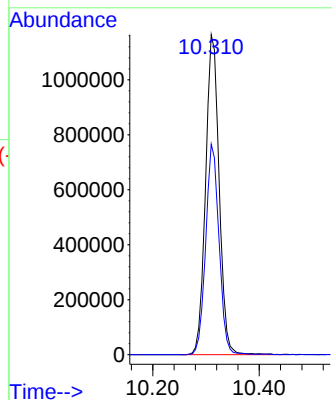
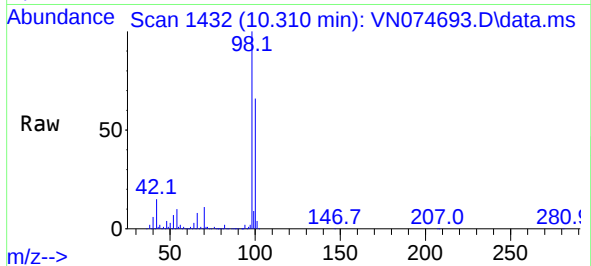




#50
Toluene-d8
Concen: 46.559 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

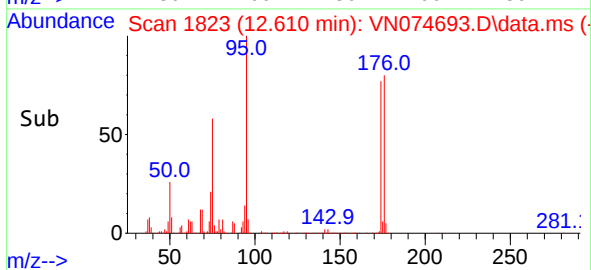
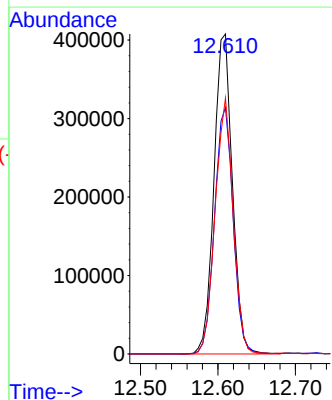
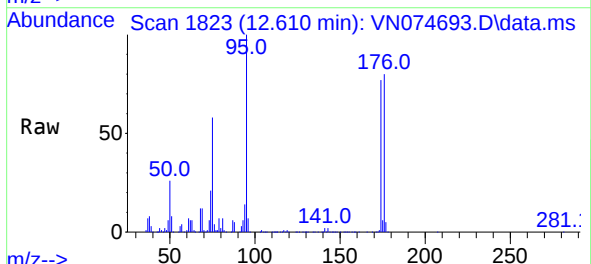
Instrument :
MSVOA_N
ClientSampleId :

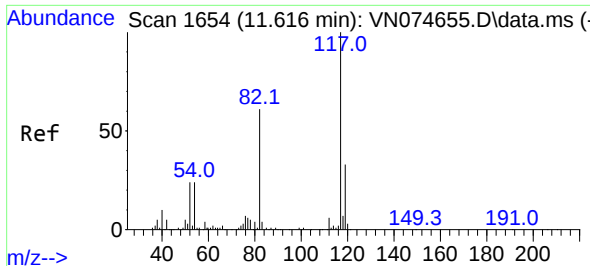
Tgt Ion: 98 Resp: 2054975
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 48.035 ug/l
RT: 12.610 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

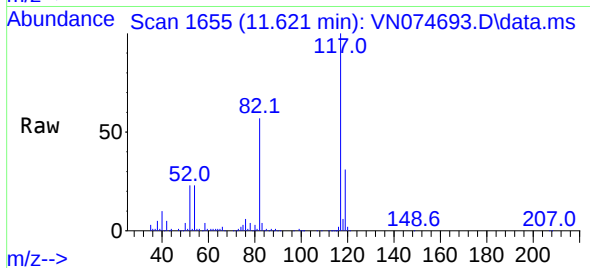
Tgt Ion: 95 Resp: 672259
Ion Ratio Lower Upper
95 100
174 78.0 0.0 167.6
176 78.2 0.0 163.4



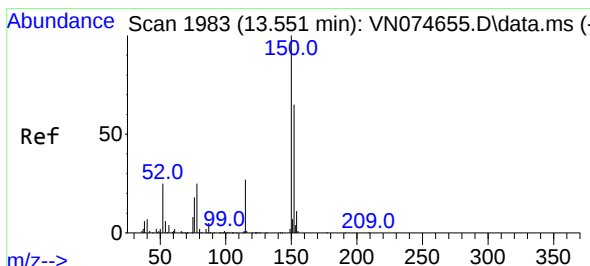
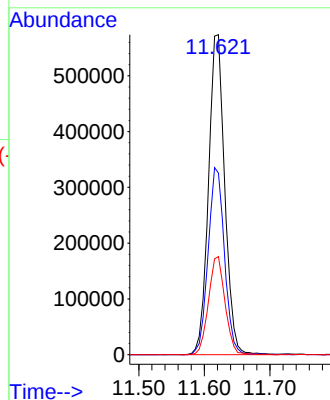
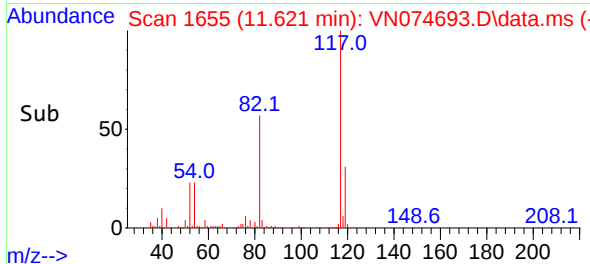


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.621 min Scan# 1170
Delta R.T. 0.005 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

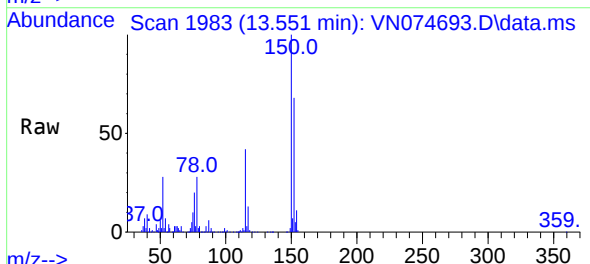
Instrument :
MSVOA_N
ClientSampleId :



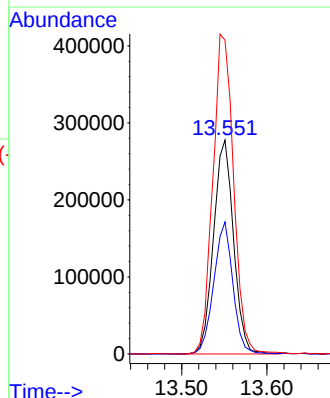
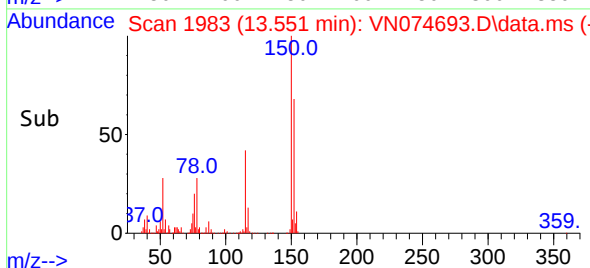
Tgt Ion:117 Resp: 990661
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 30.7 25.4 38.0

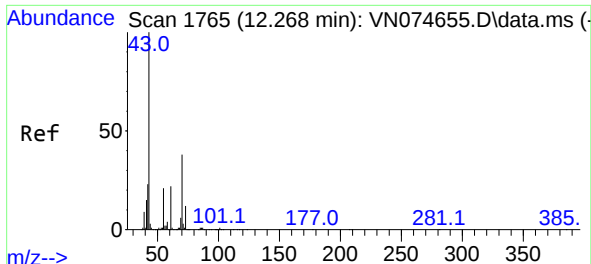


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25



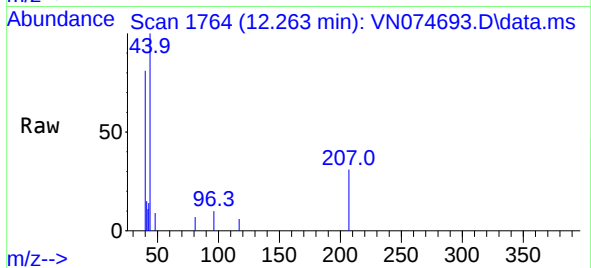
Tgt Ion:152 Resp: 454083
Ion Ratio Lower Upper
152 100
115 59.0 28.9 86.7
150 155.0 0.0 356.2



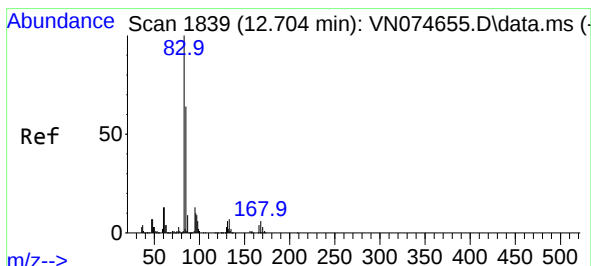
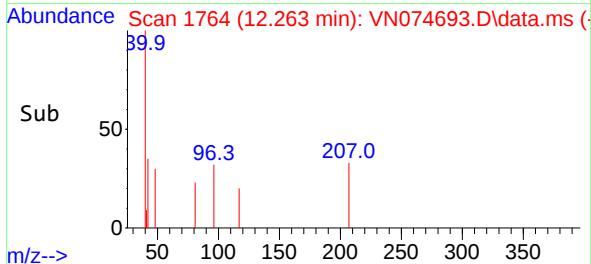
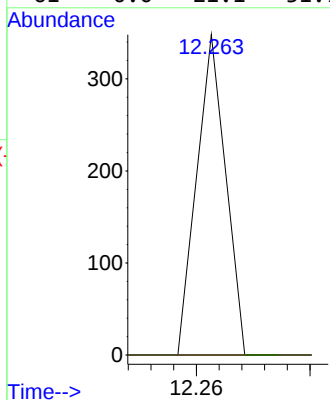


#74
N-amy1 acetate
Concen: Below Cal
RT: 12.263 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Instrument :
MSVOA_N
ClientSampleId :

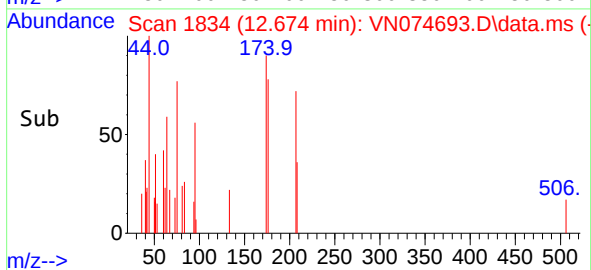
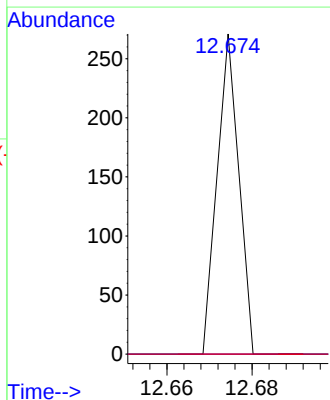
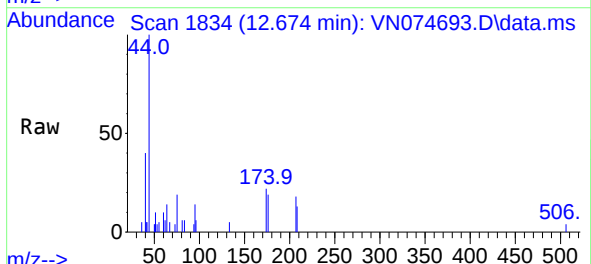


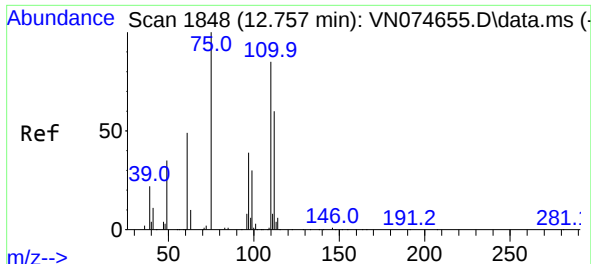
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.674 min Scan# 1834
Delta R.T. -0.030 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Tgt Ion: 83 Resp: 96
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#

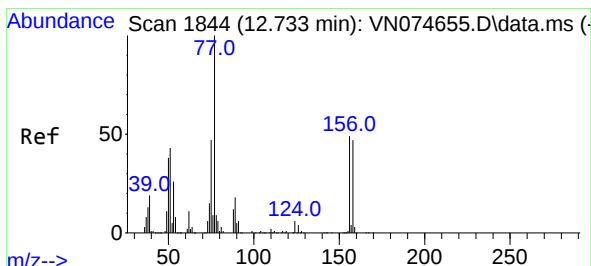
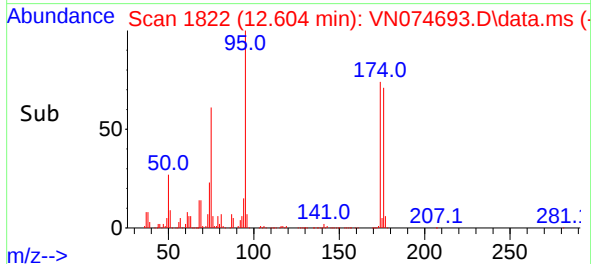
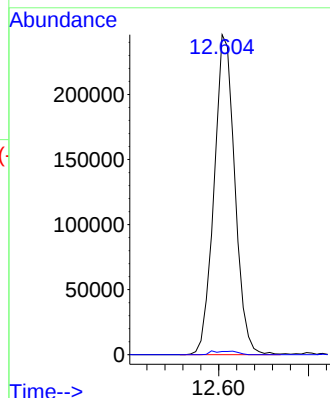
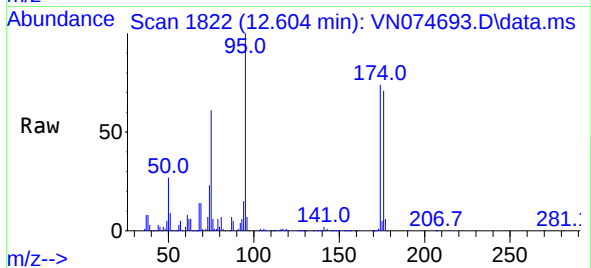




#76
1,2,3-Trichloropropane
Concen: 38.307 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.153 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

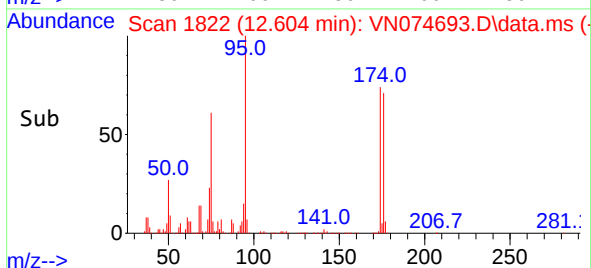
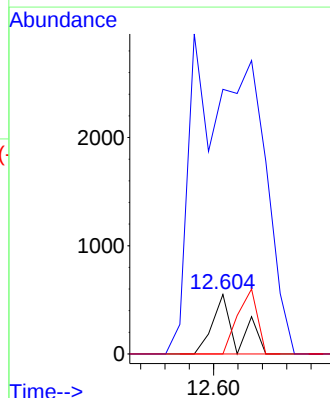
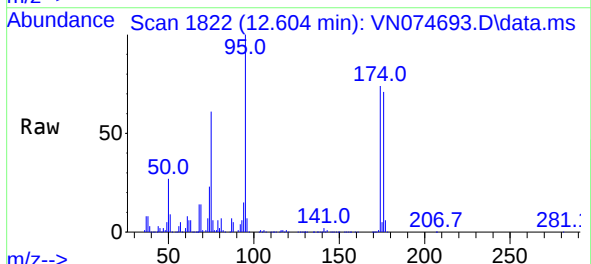
Instrument :
MSVOA_N
ClientSampleId :

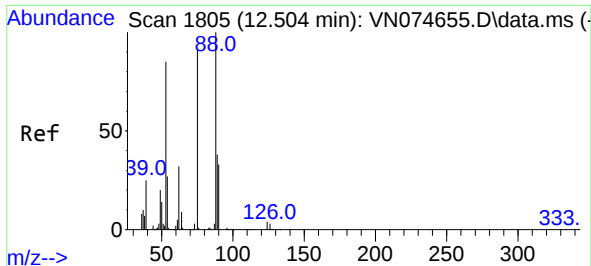
Tgt Ion: 75 Resp: 394574
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.604 min Scan# 1822
Delta R.T. -0.129 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

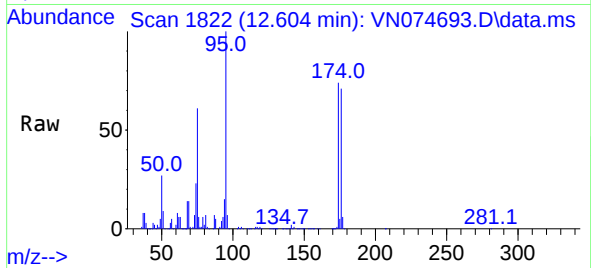
Tgt Ion:156 Resp: 381
Ion Ratio Lower Upper
156 100
77 0.0 100.5 301.5#
158 88.5 48.9 146.6





#81
trans-1,4-Dichloro-2-butene
Concen: 72.615 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074693.D
Acq: 01 Oct 2022 06:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 394574
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

