

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100322\
 Data File : VN074714.D
 Acq On : 03 Oct 2022 18:15
 Operator : JC\MD
 Sample : VN1003WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBL01

Quant Time: Oct 04 06:12:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 05:54:56 2022
 Response via : Initial Calibration

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

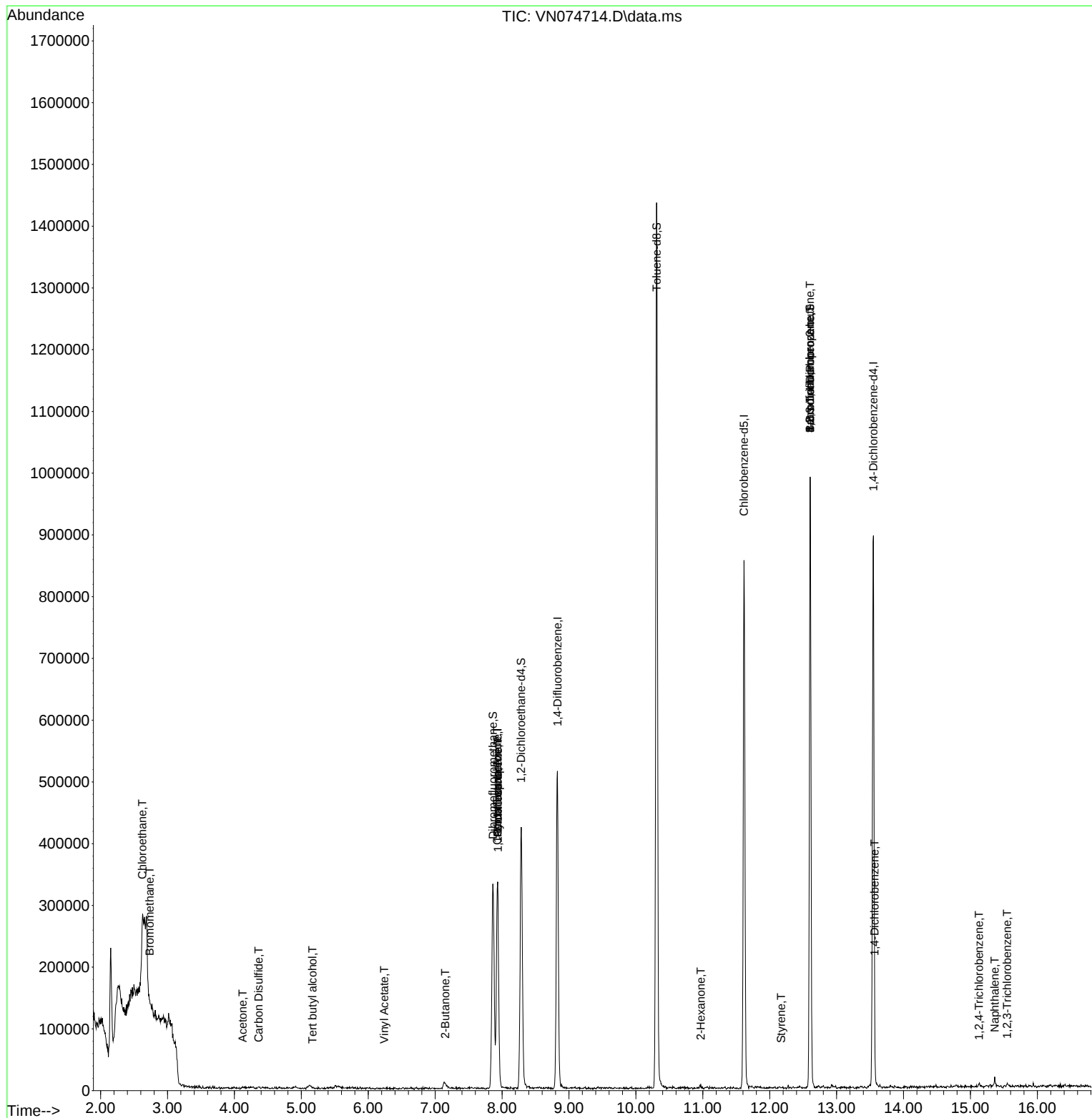
Internal Standards						
1) Pentafluorobenzene	7.934	168	235731	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	431763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.616	117	435437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	215823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.286	65	316582	53.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.880%			
35) Dibromofluoromethane	7.863	113	230657	49.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	10.310	98	946095	49.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.604	95	274636	42.791	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.580%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.216	50	1962	Below Cal	#	88
5) Bromomethane	2.734	94	2534	0.231	ug/l #	21
6) Chloroethane	2.622	64	40256	3.562	ug/l #	44
11) Tert butyl alcohol	5.169	59	513	0.397	ug/l #	72
13) Acrolein	3.893	56	333	Below Cal	#	64
16) Acetone	4.122	43	992	0.314	ug/l	92
17) Carbon Disulfide	4.363	76	2956	0.238	ug/l #	75
23) Vinyl Acetate	6.240	43	871	13.813	ug/l #	68
25) 2-Butanone	7.151	43	1606	0.286	ug/l #	45
31) Cyclohexane	7.934	56	7711	0.842	ug/l #	67
36) 1,1-Dichloropropene	7.939	75	22896	3.029	ug/l #	47
38) Carbon Tetrachloride	7.928	117	25460	3.809	ug/l #	15
59) 2-Hexanone	10.969	43	3115	0.358	ug/l	96
70) Styrene	12.169	104	653	3.010	ug/l #	47
71) Bromoform	12.604	173	3011	0.791	ug/l #	1
76) 1,2,3-Trichloropropane	12.604	75	165192	32.884	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.604	75	165192	88.427	ug/l #	11
88) 1,4-Dichlorobenzene	13.568	146	1787	0.225	ug/l #	36
93) 1,2,4-Trichlorobenzene	15.127	180	1143	0.329	ug/l #	85
95) Naphthalene	15.362	128	8645	0.655	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.551	180	1527	0.416	ug/l	76

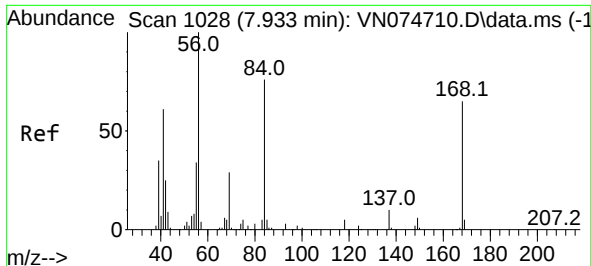
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 04 05:54:56 2022
Response via : Initial Calibration

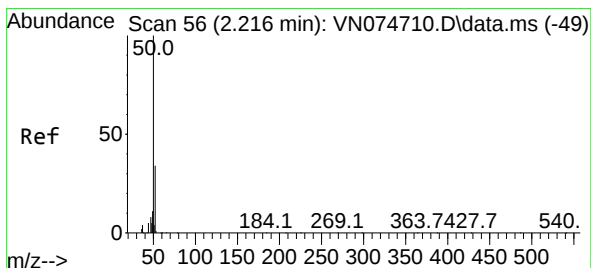
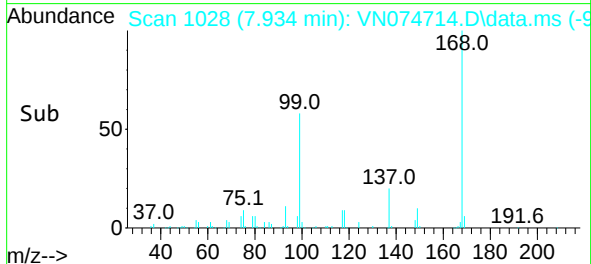
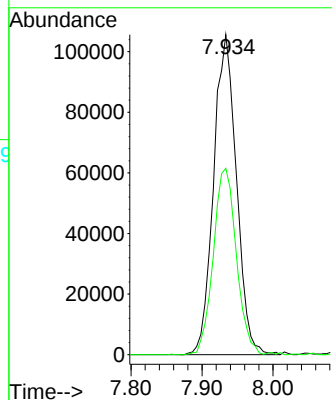
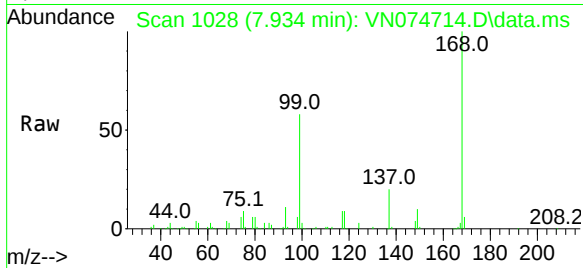




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

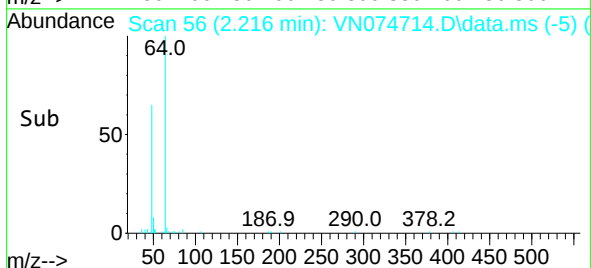
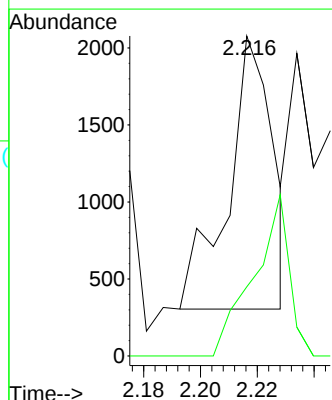
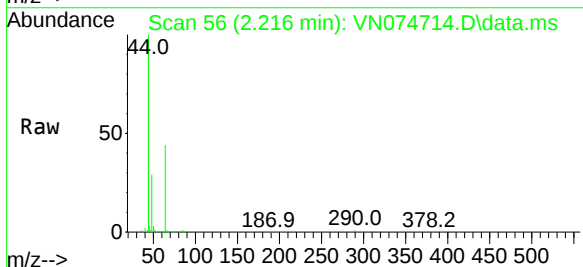
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

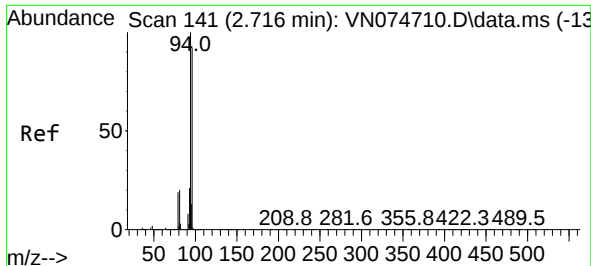
Tgt Ion:168 Resp: 235731
Ion Ratio Lower Upper
168 100
99 58.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 50 Resp: 1962
Ion Ratio Lower Upper
50 100
52 25.3 25.7 38.5#

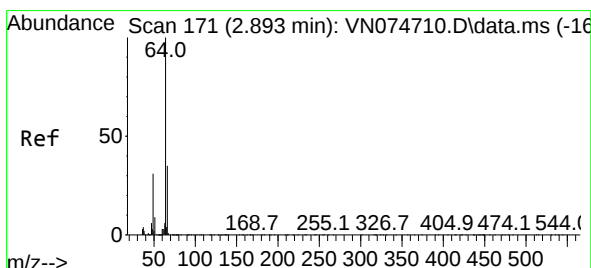
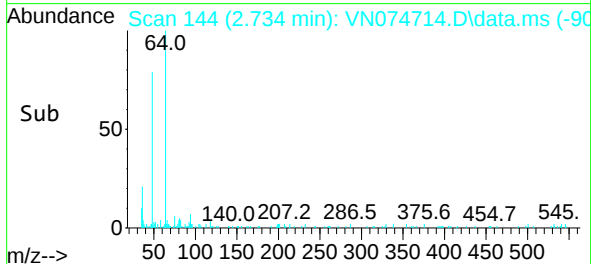
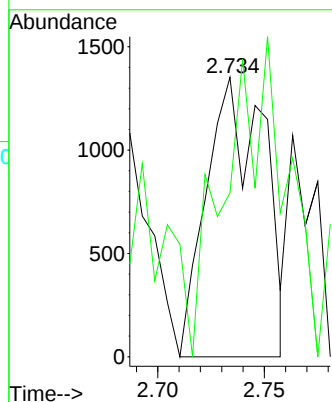
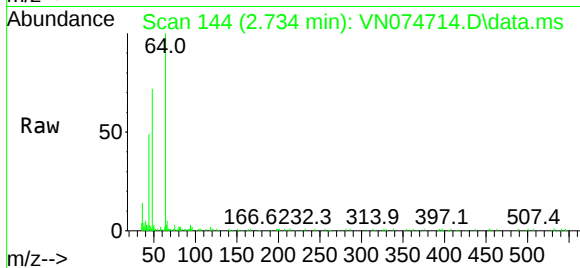




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.734 min Scan# 141
Delta R.T. 0.018 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

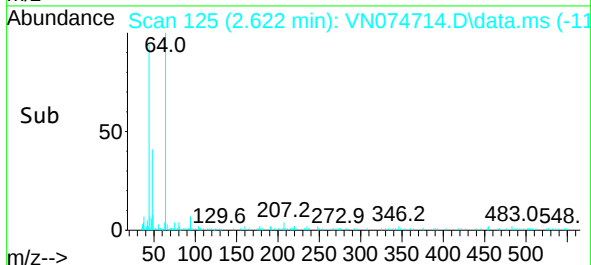
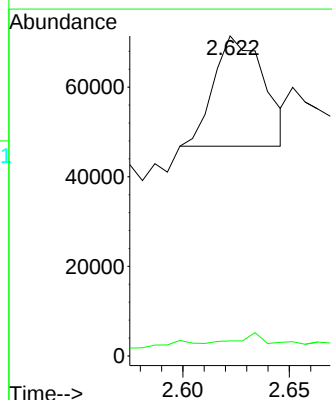
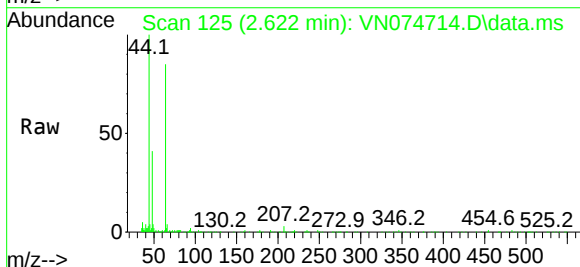
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

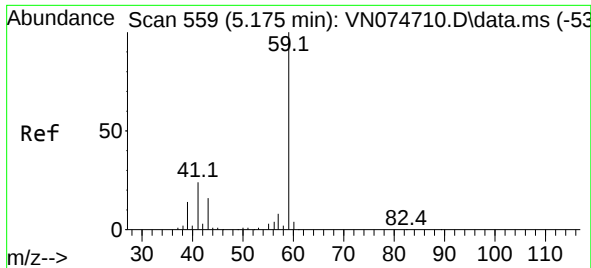
Tgt Ion: 94 Resp: 2534
Ion Ratio Lower Upper
94 100
96 18.3 76.0 114.0#



#6
Chloroethane
Concen: 3.562 ug/l
RT: 2.622 min Scan# 125
Delta R.T. -0.265 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 64 Resp: 40256
Ion Ratio Lower Upper
64 100
66 1.3 26.2 39.4#

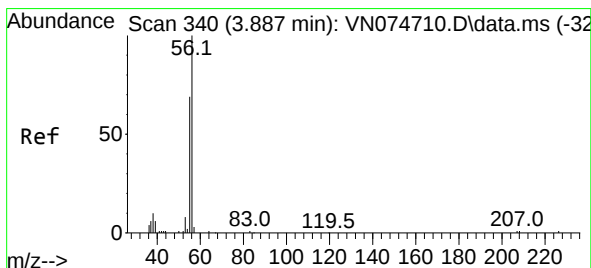
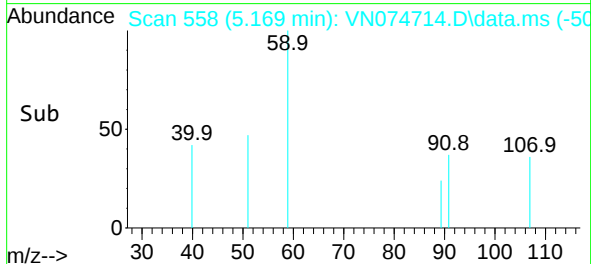
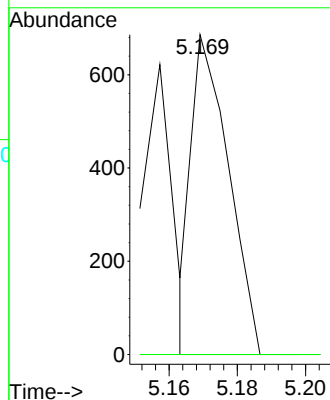
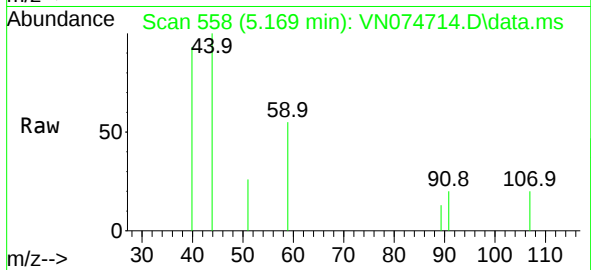




#11
Tert butyl alcohol
Concen: 0.397 ug/l
RT: 5.169 min Scan# 513
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

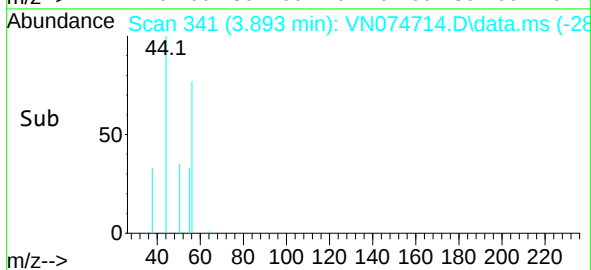
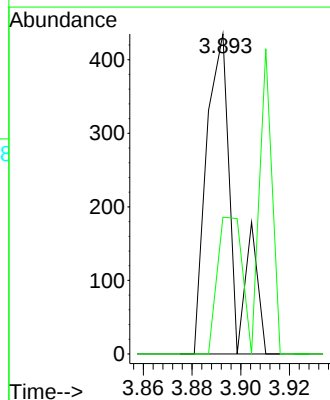
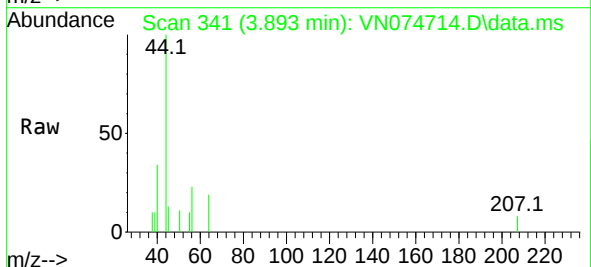
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

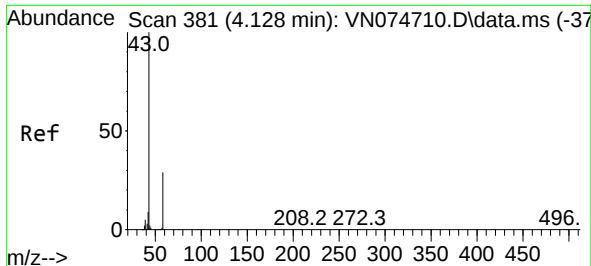
Tgt Ion: 59 Resp: 513
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 39.3 54.8 82.2#

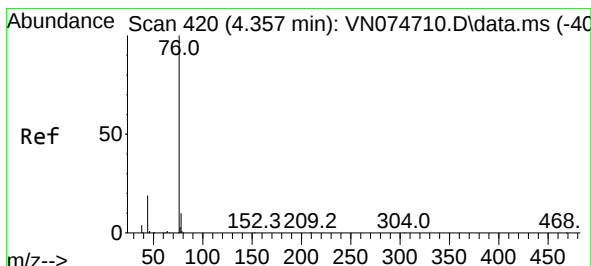
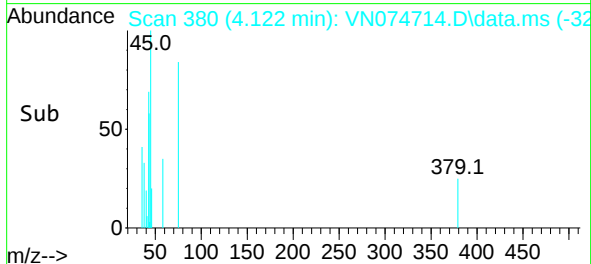
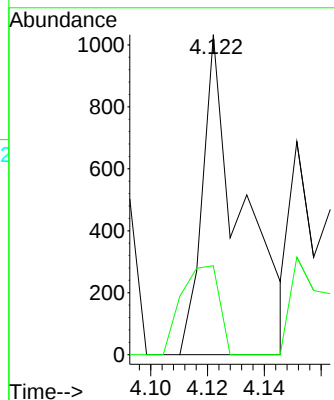
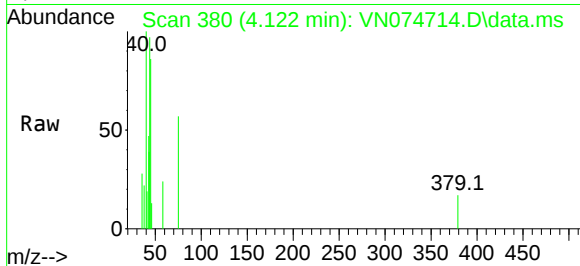




#16
Acetone
Concen: 0.314 ug/l
RT: 4.122 min Scan# 381
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

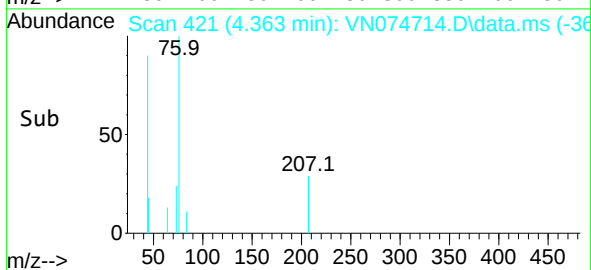
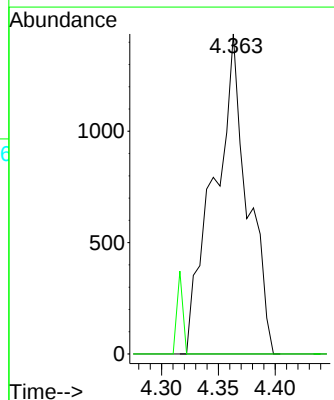
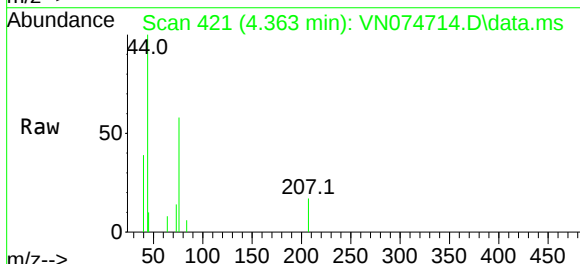
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

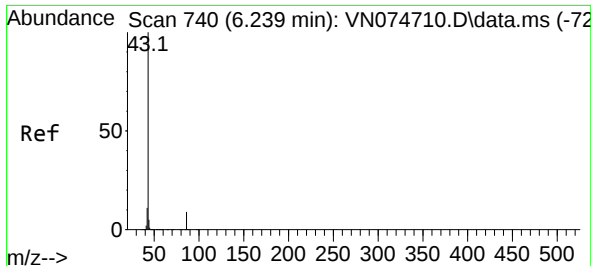
Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
58 27.8 26.0 39.0



#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.363 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 76 Resp: 2956
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

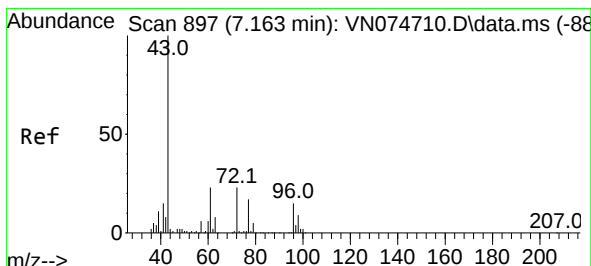
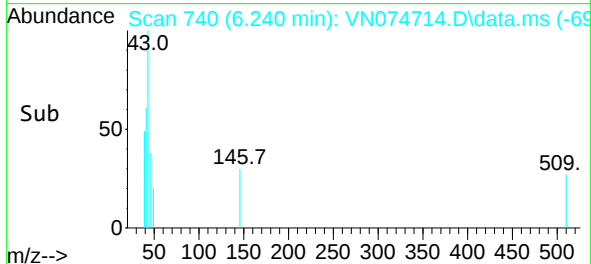
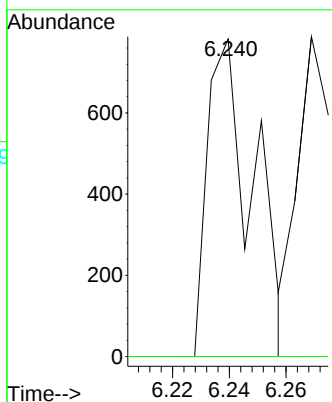
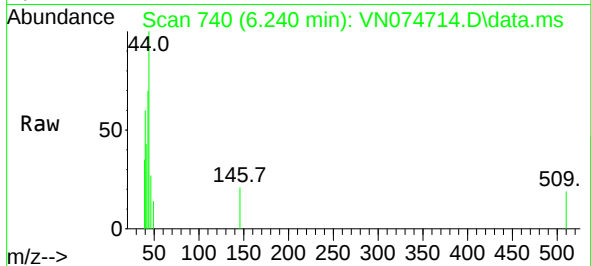




#23
 Vinyl Acetate
 Concen: 13.813 ug/l
 RT: 6.240 min Scan# 740
 Delta R.T. -0.005 min
 Lab File: VN074714.D
 Acq: 03 Oct 2022 18:15

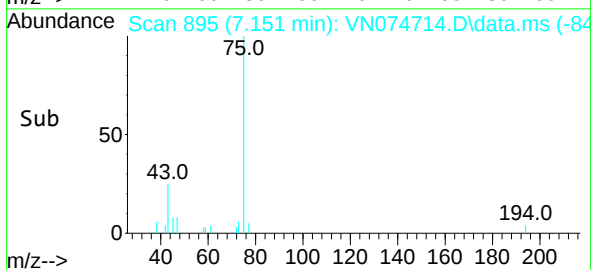
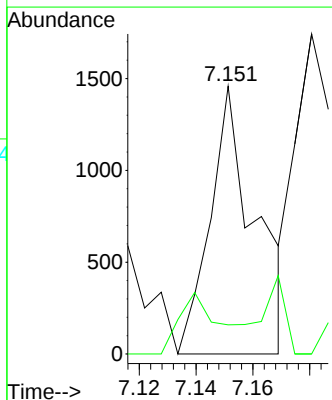
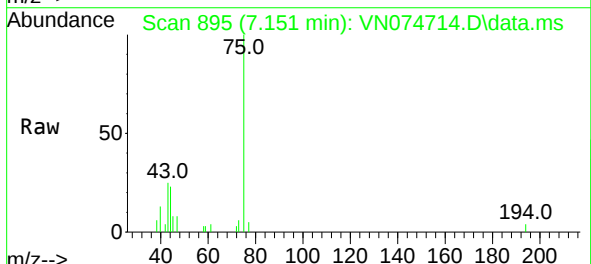
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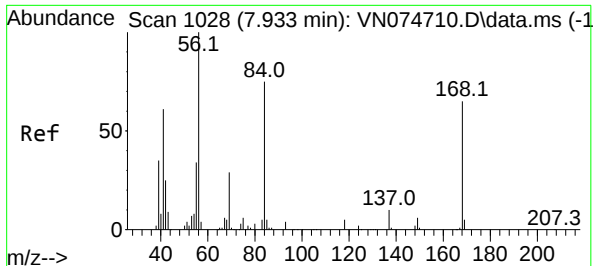
Tgt Ion: 43 Resp: 871
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#25
 2-Butanone
 Concen: 0.286 ug/l
 RT: 7.151 min Scan# 895
 Delta R.T. -0.012 min
 Lab File: VN074714.D
 Acq: 03 Oct 2022 18:15

Tgt Ion: 43 Resp: 1606
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#

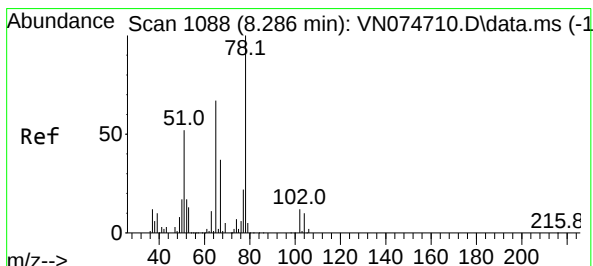
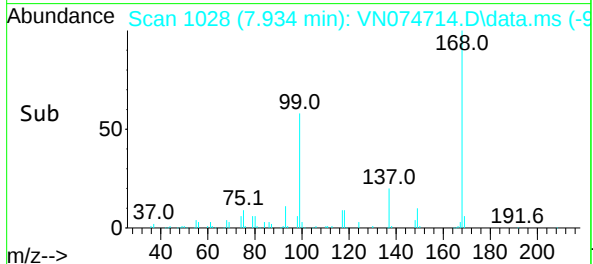
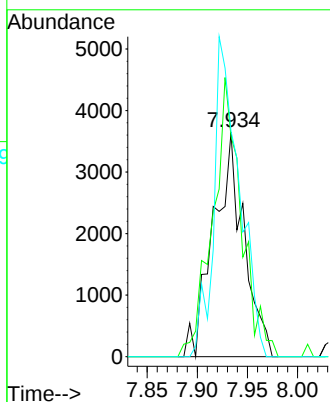
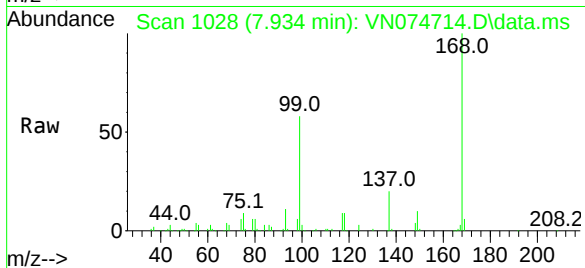




#31
Cyclohexane
Concen: 0.842 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

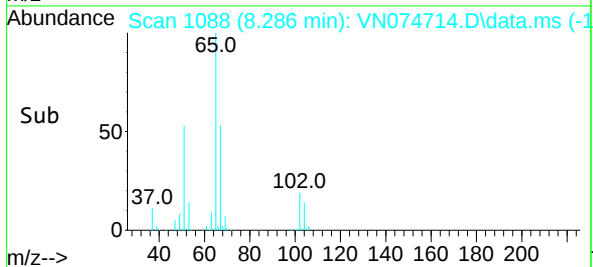
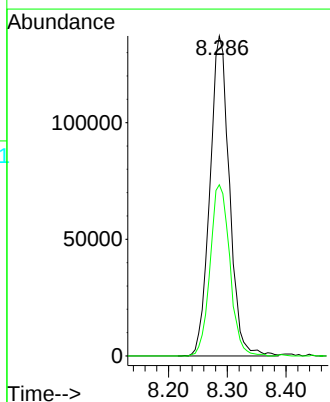
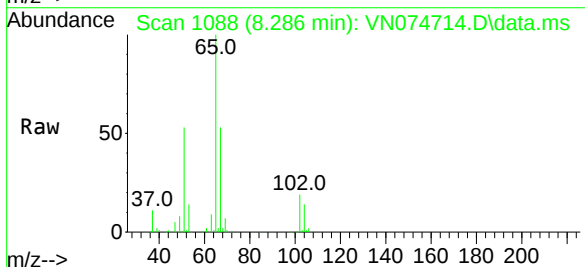
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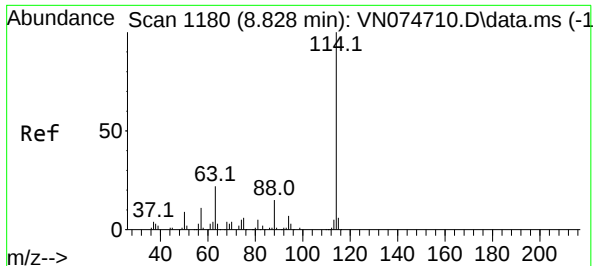
Tgt Ion: 56 Resp: 7711
Ion Ratio Lower Upper
56 100
69 98.3 27.8 41.8#
84 100.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 53.445 ug/l
RT: 8.286 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 65 Resp: 316582
Ion Ratio Lower Upper
65 100
67 53.9 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: VN074714.D

Acq: 03 Oct 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBL01

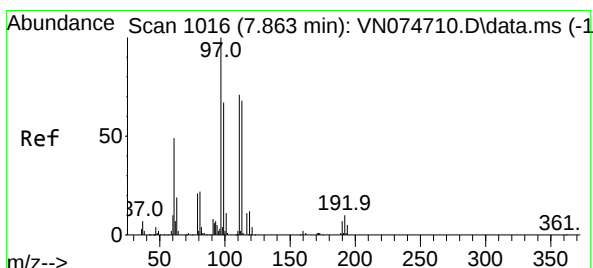
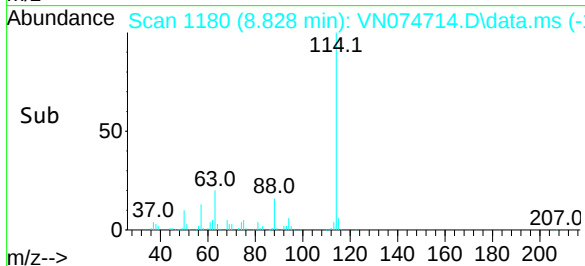
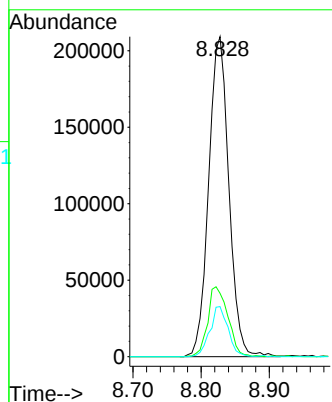
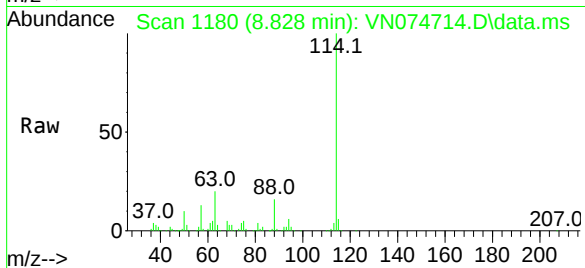
Tgt Ion:114 Resp: 431763

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.694 ug/l

RT: 7.863 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VN074714.D

Acq: 03 Oct 2022 18:15

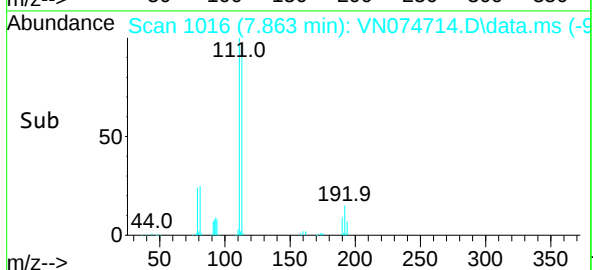
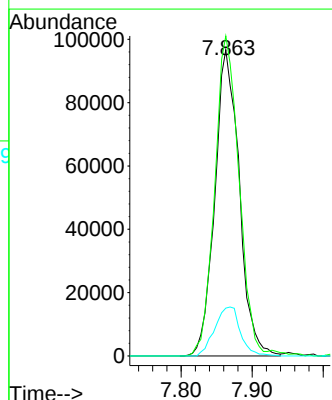
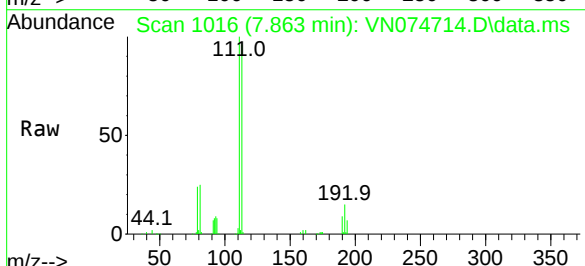
Tgt Ion:113 Resp: 230657

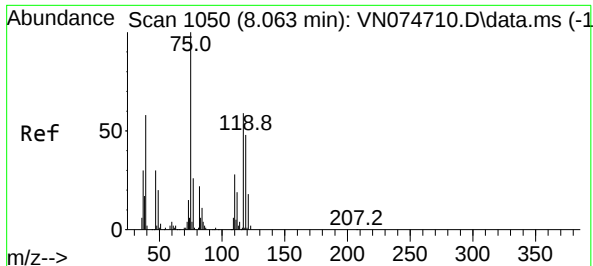
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 16.7 17.0 25.6#

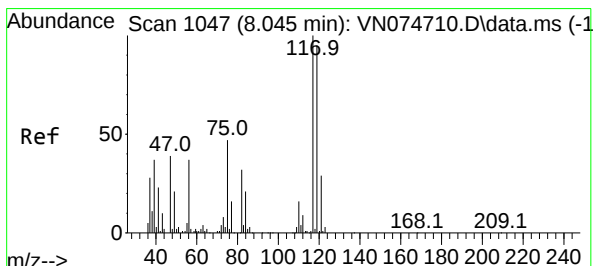
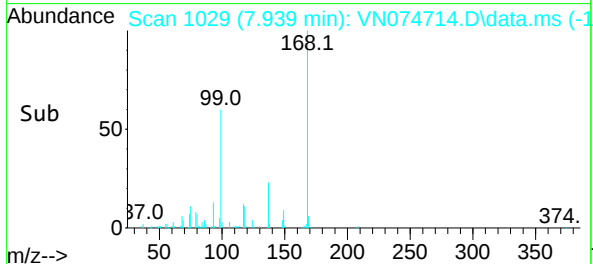
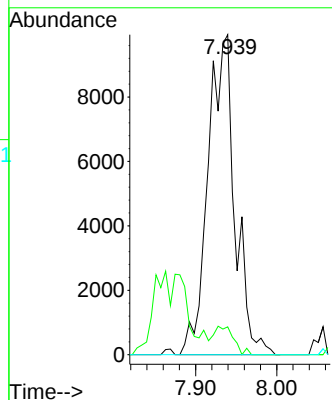
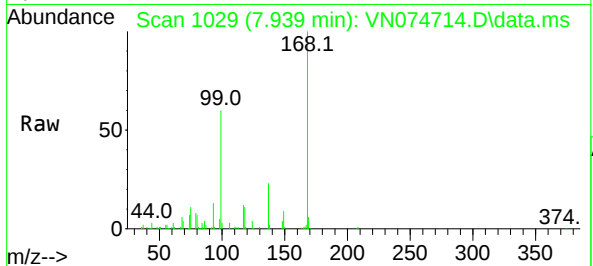




#36
1,1-Dichloropropene
Concen: 3.029 ug/l
RT: 7.939 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

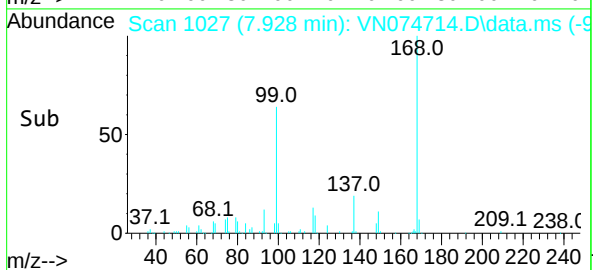
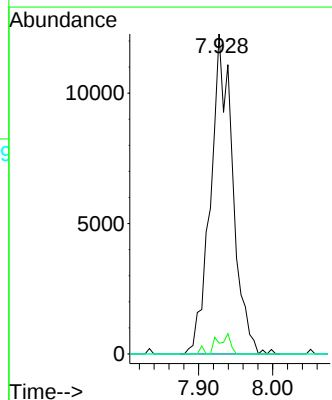
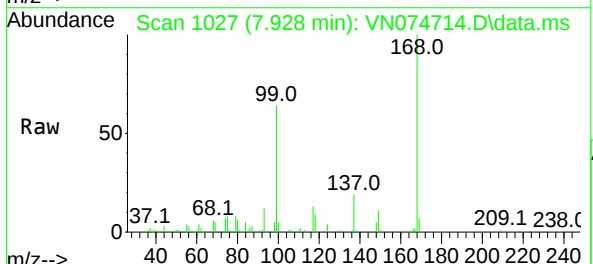
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

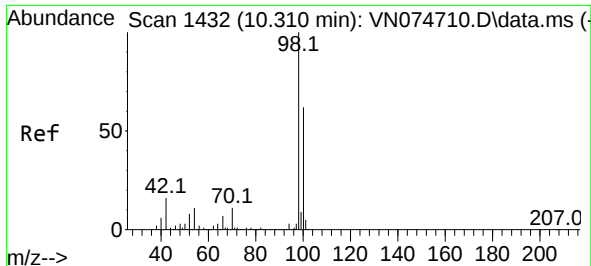
Tgt Ion: 75 Resp: 22896
Ion Ratio Lower Upper
75 100
110 6.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 3.809 ug/l
RT: 7.928 min Scan# 1027
Delta R.T. -0.129 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 117 Resp: 25460
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.8#
121 0.0 24.6 37.0#

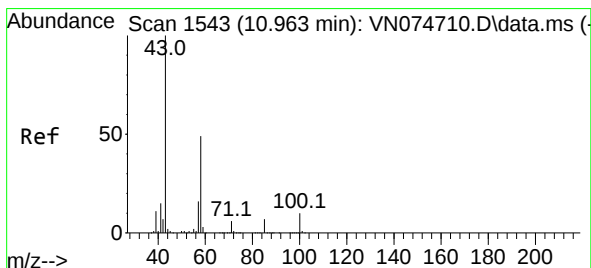
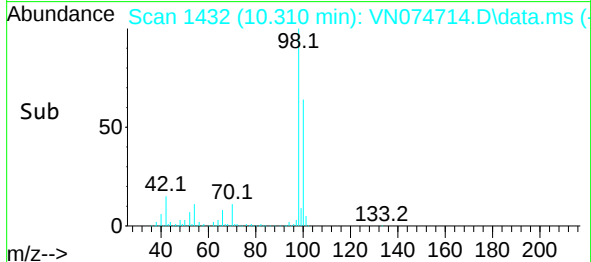
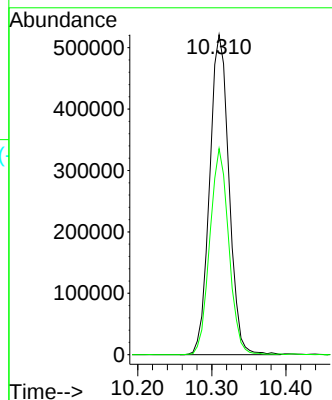
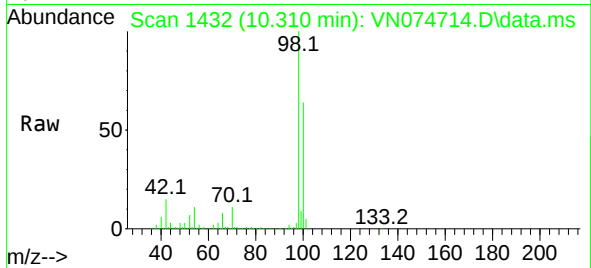




#50
Toluene-d8
Concen: 49.590 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

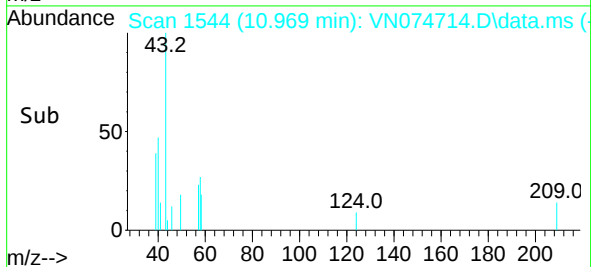
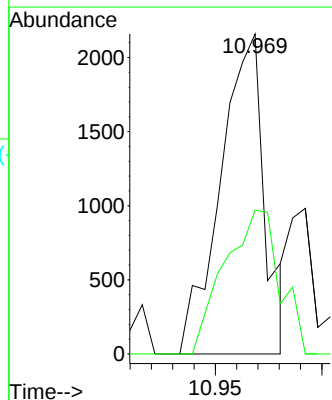
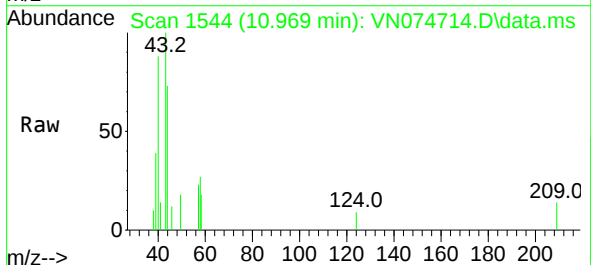
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

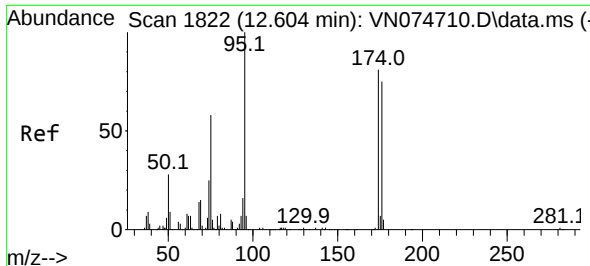
Tgt Ion: 98 Resp: 946095
Ion Ratio Lower Upper
98 100
100 63.2 52.6 78.8



#59
2-Hexanone
Concen: 0.358 ug/l
RT: 10.969 min Scan# 1544
Delta R.T. 0.006 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 43 Resp: 3115
Ion Ratio Lower Upper
43 100
58 56.0 29.7 89.1

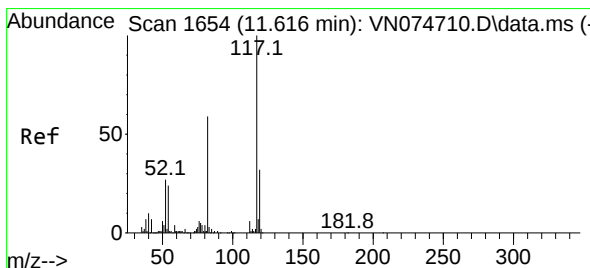
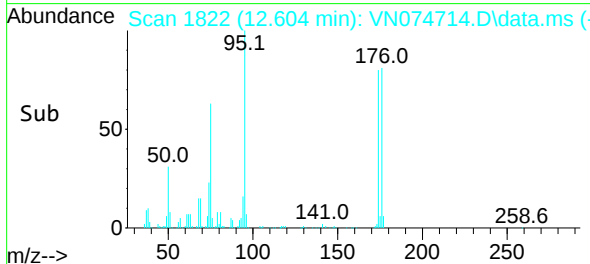
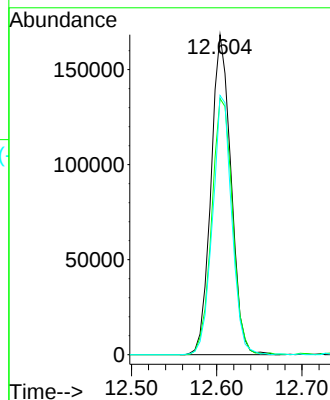
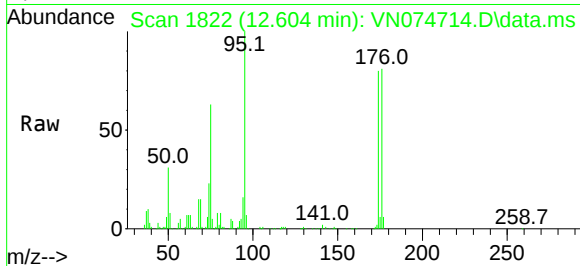




#62
4-Bromofluorobenzene
Concen: 42.791 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

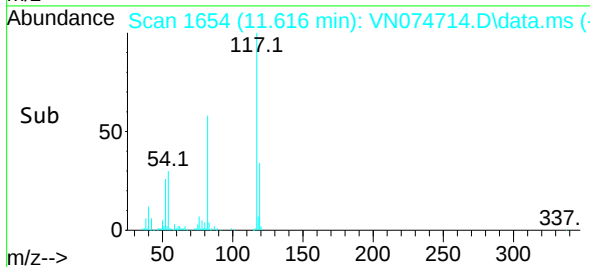
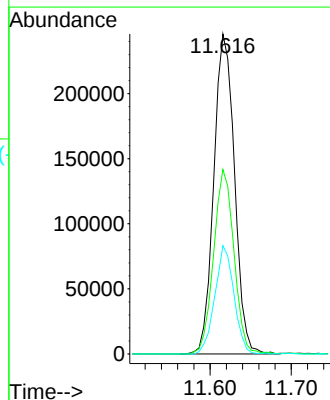
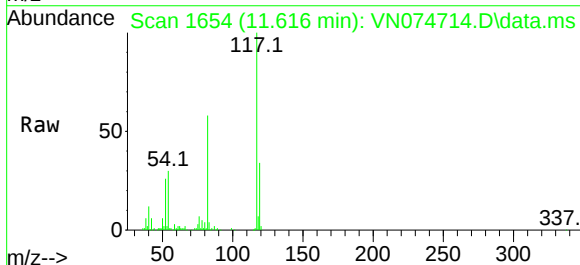
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

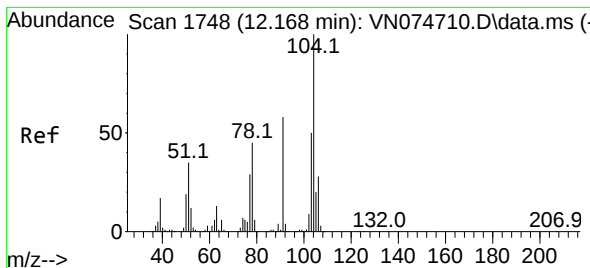
Tgt Ion: 95 Resp: 274636
Ion Ratio Lower Upper
95 100
174 83.1 0.0 167.6
176 77.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.616 min Scan# 1654
Delta R.T. -0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion: 117 Resp: 435437
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 33.9 25.4 38.0





#70

Styrene

Concen: 3.010 ug/l

RT: 12.169 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN074714.D

Acq: 03 Oct 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBL01

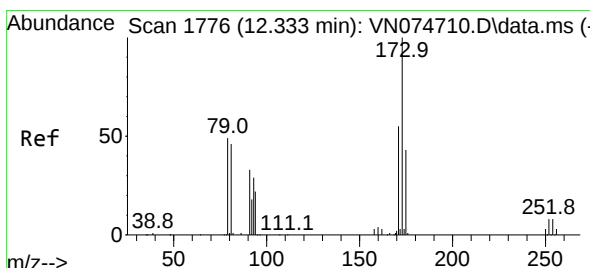
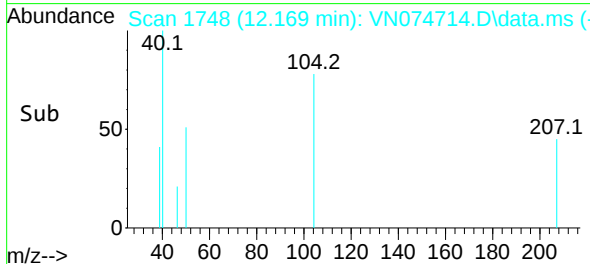
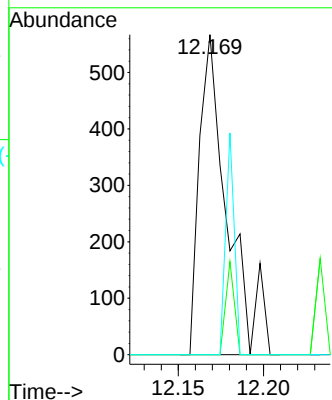
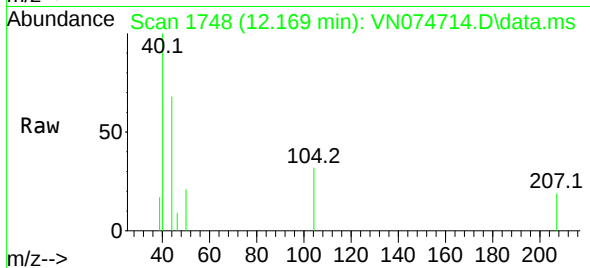
Tgt Ion:104 Resp: 653

Ion Ratio Lower Upper

104 100

78 8.9 39.5 59.3#

103 21.3 44.0 66.0#



#71

Bromoform

Concen: 0.791 ug/l

RT: 12.604 min Scan# 1822

Delta R.T. 0.271 min

Lab File: VN074714.D

Acq: 03 Oct 2022 18:15

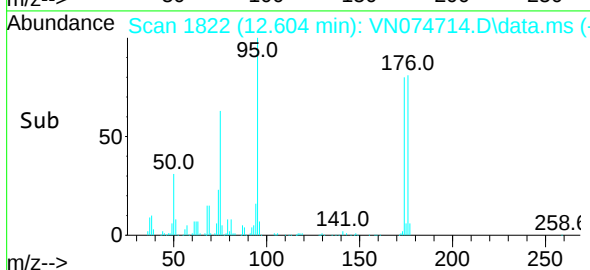
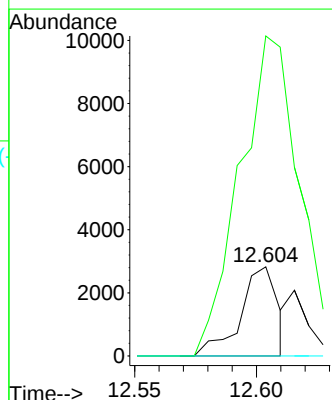
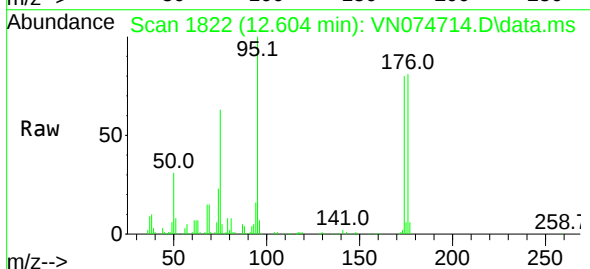
Tgt Ion:173 Resp: 3011

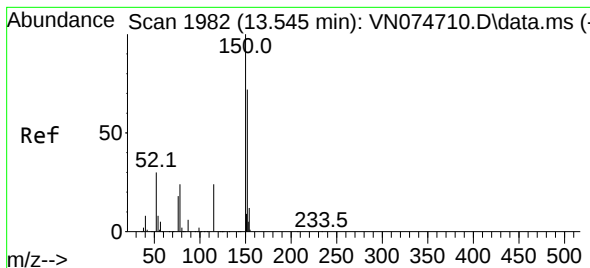
Ion Ratio Lower Upper

173 100

175 426.1 24.6 73.6#

254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.551 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN074714.D

Acq: 03 Oct 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

VN1003WBL01

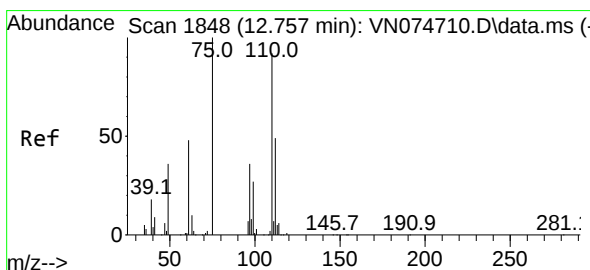
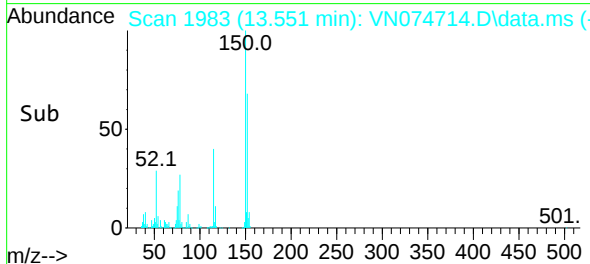
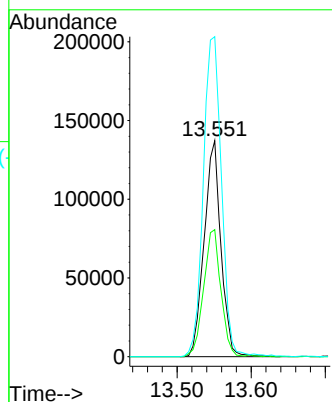
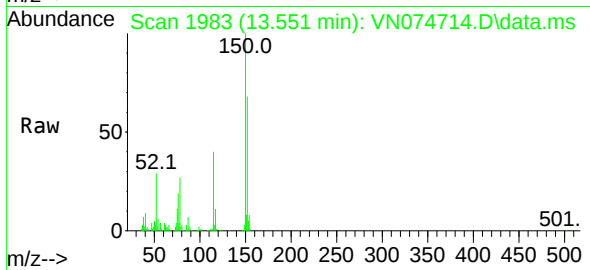
Tgt Ion:152 Resp: 215823

Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 160.8 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 32.884 ug/l

RT: 12.604 min Scan# 1822

Delta R.T. -0.153 min

Lab File: VN074714.D

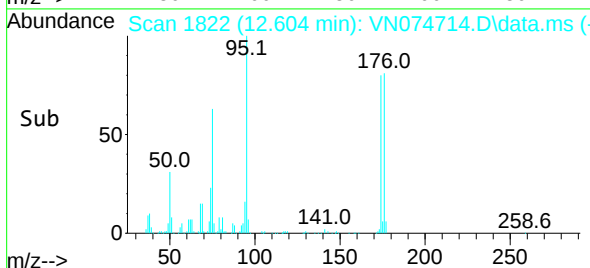
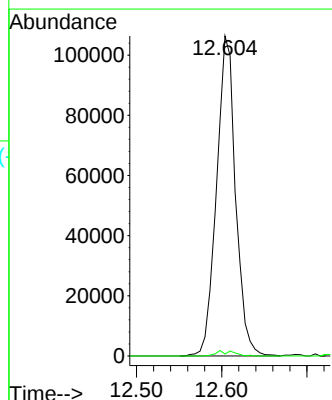
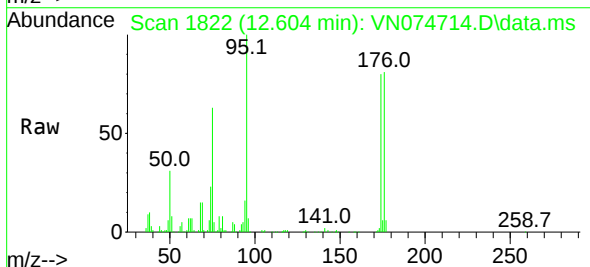
Acq: 03 Oct 2022 18:15

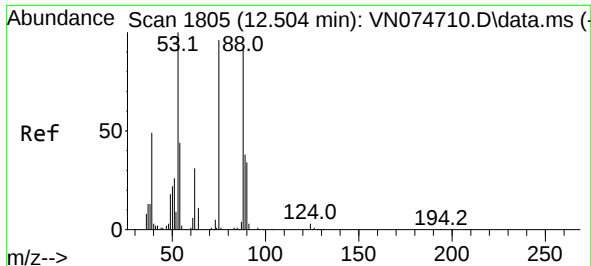
Tgt Ion: 75 Resp: 165192

Ion Ratio Lower Upper

75 100

77 0.7 98.5 295.5#

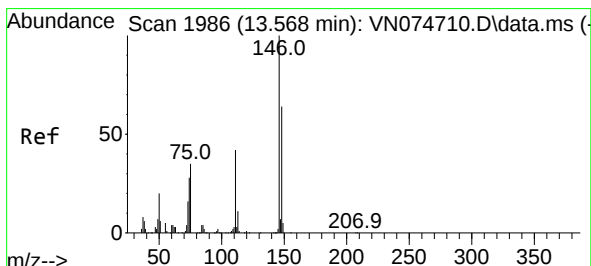
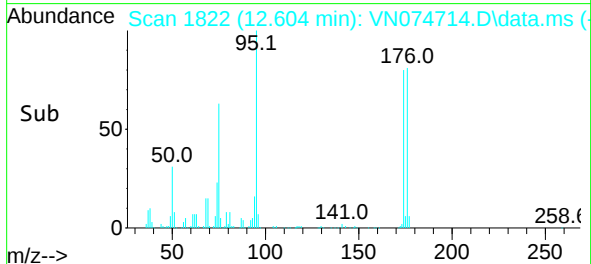
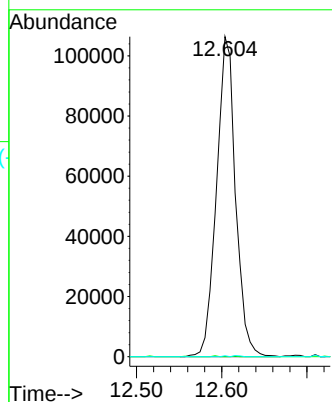
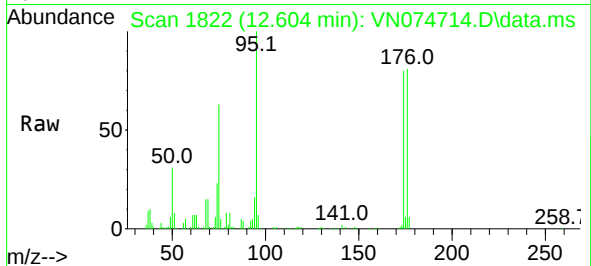




#81
trans-1,4-Dichloro-2-butene
Concen: 88.427 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

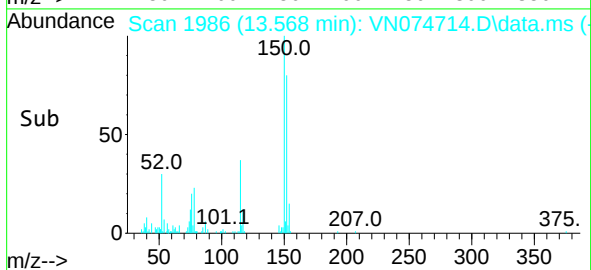
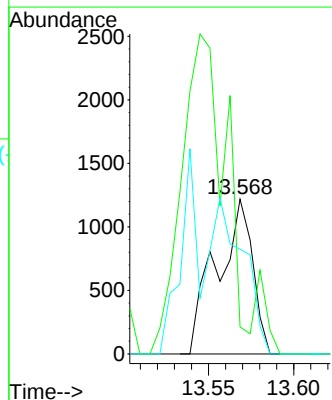
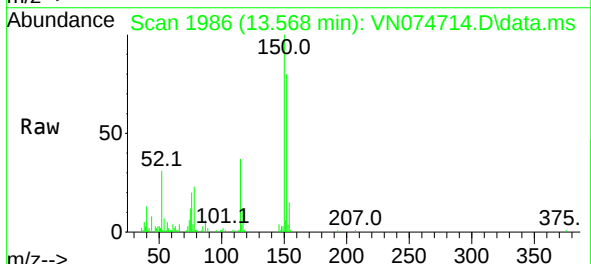
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

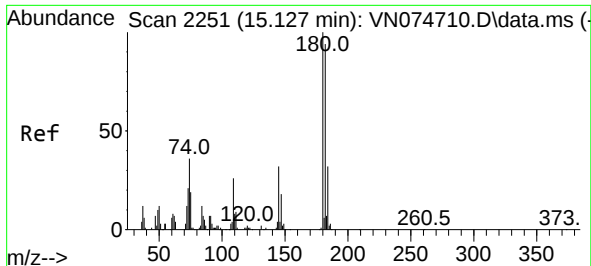
Tgt Ion: 75 Resp: 165192
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.2 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.225 ug/l
RT: 13.568 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

Tgt Ion:146 Resp: 1787
Ion Ratio Lower Upper
146 100
111 16.7 19.1 57.1#
148 0.0 31.4 94.3#

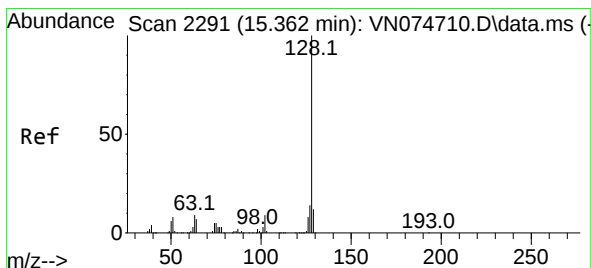
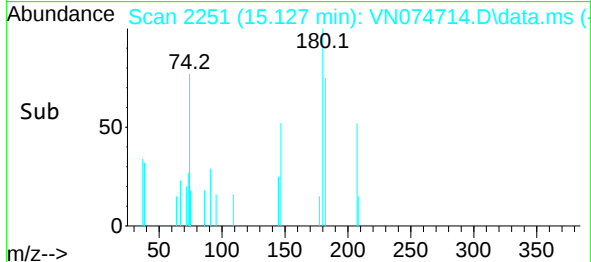
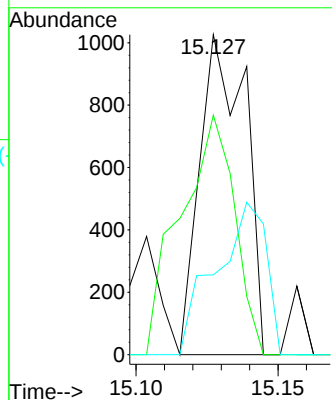
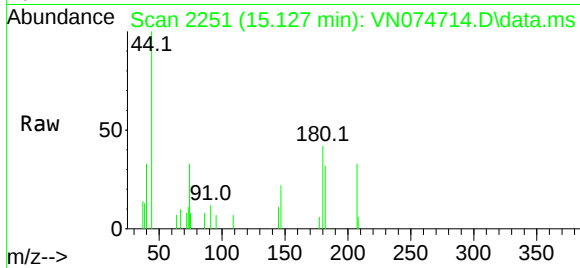




#93
1,2,4-Trichlorobenzene
Concen: 0.329 ug/l
RT: 15.127 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

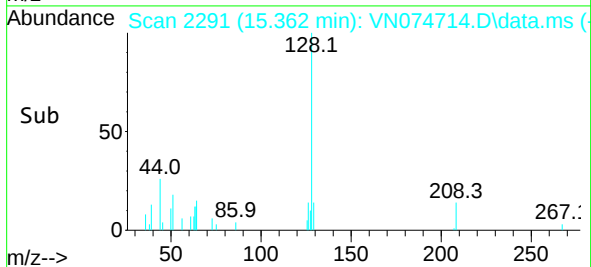
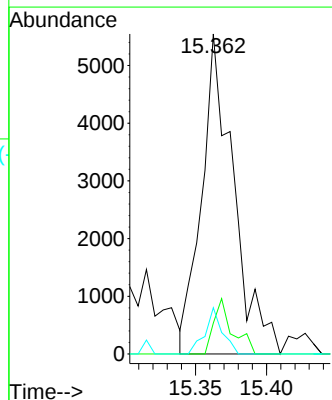
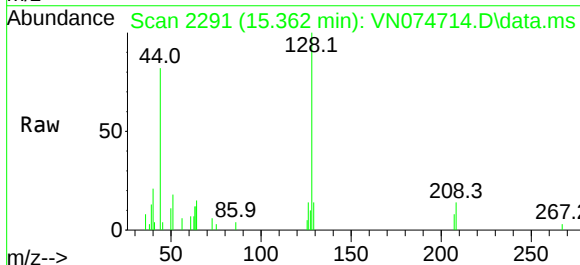
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

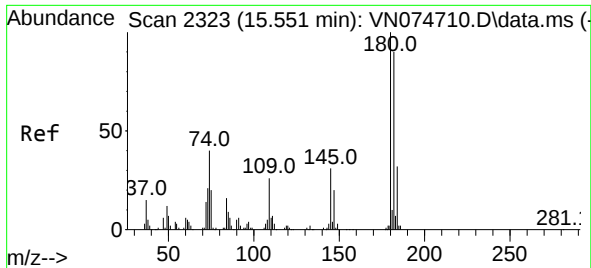
Tgt Ion:180 Resp: 1143
Ion Ratio Lower Upper
180 100
182 89.4 47.5 142.5
145 53.0 14.5 43.5#



#95
Naphthalene
Concen: 0.655 ug/l
RT: 15.362 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VN074714.D
Acq: 03 Oct 2022 18:15

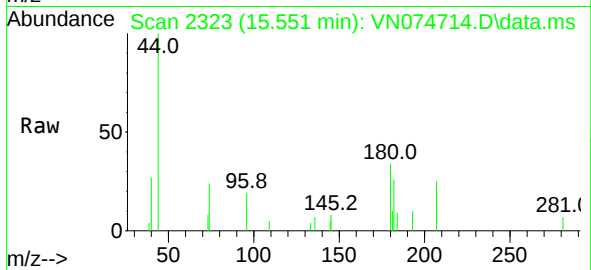
Tgt Ion:128 Resp: 8645
Ion Ratio Lower Upper
128 100
127 10.1 10.3 15.5#
129 7.9 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.416 ug/l
 RT: 15.551 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074714.D
 Acq: 03 Oct 2022 18:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1003WBL01



Tgt Ion:	180	Resp:	1527
Ion	Ratio	Lower	Upper
180	100		
182	125.5	47.8	143.3
145	28.6	15.5	46.5

