

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074208.D
 Acq On : 31 Aug 2022 12:42
 Operator : JC\MD
 Sample : N4445-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:23:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

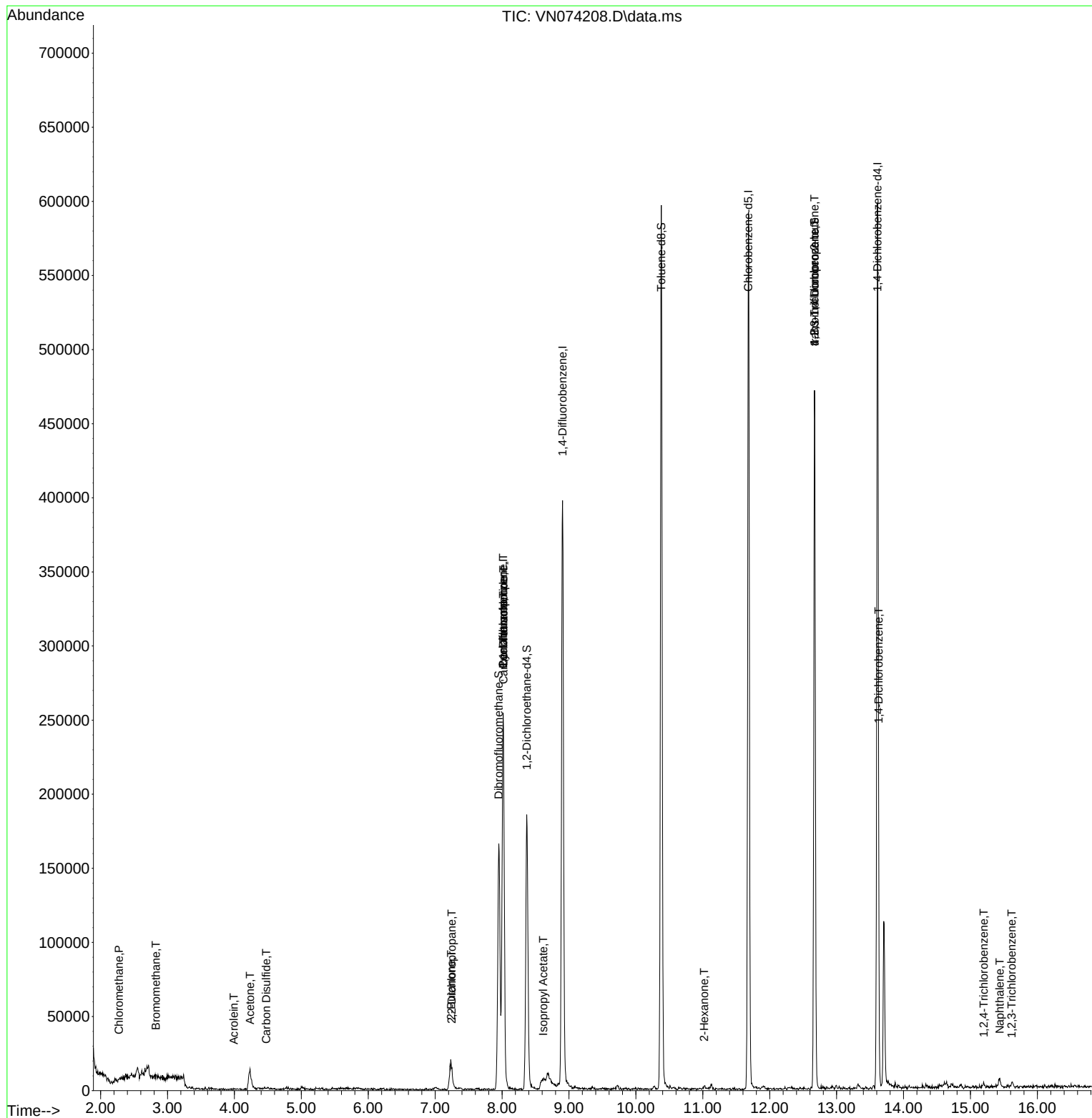
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	179772	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	333285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	318516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	144871	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	145725	52.255	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.520%		
35) Dibromofluoromethane	7.951	113	118459	54.621	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 109.240%		
50) Toluene-d8	10.380	98	382111	44.739	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 89.480%		
62) 4-Bromofluorobenzene	12.669	95	142159	54.733	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 109.460%		
Target Compounds						Qvalue
3) Chloromethane	2.275	50	789	0.301	ug/l	# 43
5) Bromomethane	2.828	94	1156	0.812	ug/l	91
6) Chloroethane	2.951	64	581	Below Cal	#	42
11) Tert butyl alcohol	5.275	59	498	Below Cal	#	72
13) Acrolein	3.993	56	217	0.352	ug/l	# 46
16) Acetone	4.234	43	25132	13.487	ug/l	90
17) Carbon Disulfide	4.475	76	1363	0.227	ug/l	# 75
18) Methyl Acetate	4.781	43	2422	Below Cal	#	48
20) Methylene Chloride	5.016	84	369	Below Cal	#	44
25) 2-Butanone	7.239	43	912	0.306	ug/l	# 45
26) 2,2-Dichloropropane	7.245	77	900	0.562	ug/l	# 75
31) Cyclohexane	8.016	56	6096	1.323	ug/l	# 46
36) 1,1-Dichloropropene	8.016	75	18541	5.269	ug/l	# 48
38) Carbon Tetrachloride	8.022	117	19902	6.227	ug/l	# 15
43) Isopropyl Acetate	8.616	43	9132	1.154	ug/l	# 53
59) 2-Hexanone	11.022	43	1374	0.315	ug/l	# 58
76) 1,2,3-Trichloropropane	12.669	75	82343	22.684	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	82343	58.997	ug/l	# 11
88) 1,4-Dichlorobenzene	13.627	146	1413	0.264	ug/l	# 26
93) 1,2,4-Trichlorobenzene	15.198	180	622	0.233	ug/l	# 60
95) Naphthalene	15.439	128	5478	1.638	ug/l	# 92
96) 1,2,3-Trichlorobenzene	15.615	180	1294	0.468	ug/l	# 49

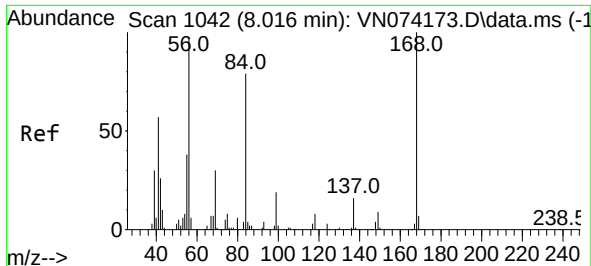
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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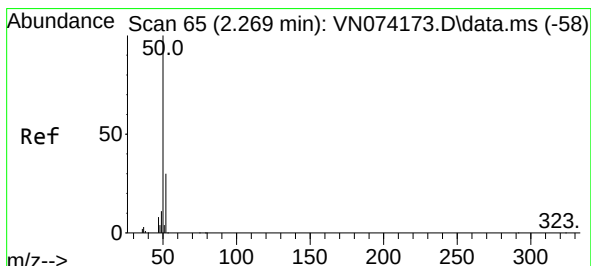
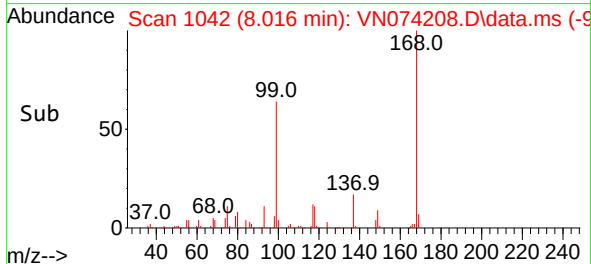
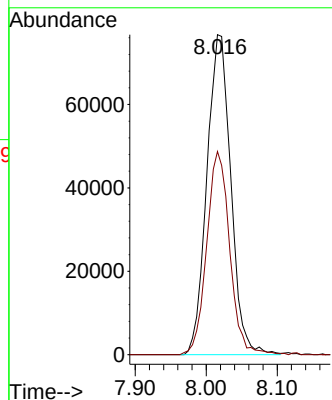
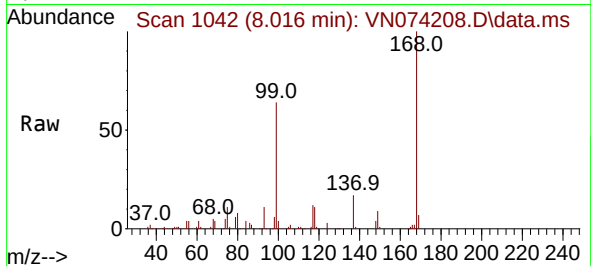




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

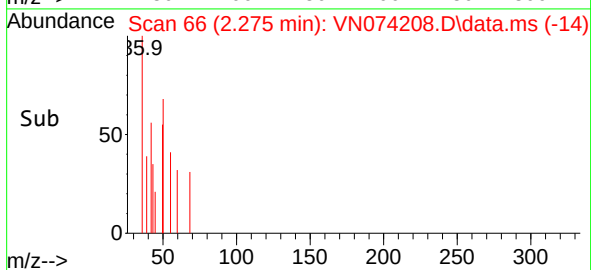
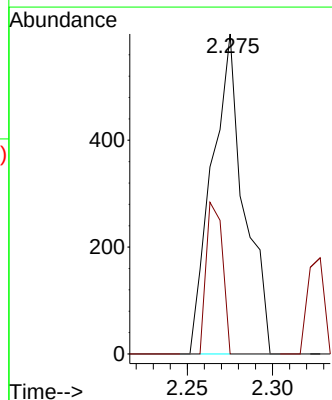
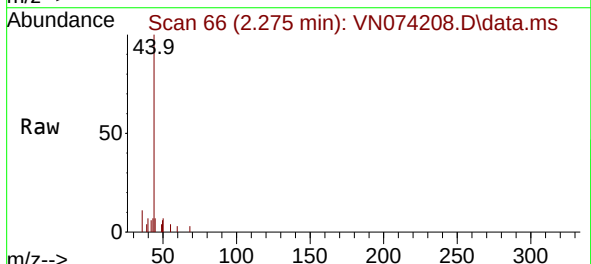
Instrument :
MSVOA_N
ClientSampleId :

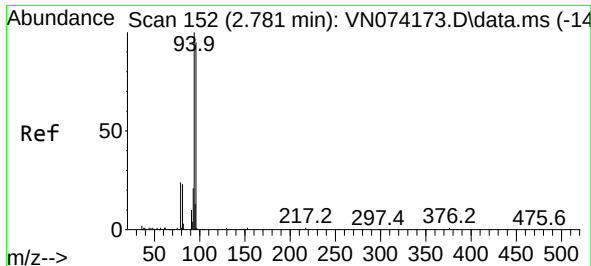
Tgt Ion:168 Resp: 179772
Ion Ratio Lower Upper
168 100
99 63.5 42.3 63.5#



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 50 Resp: 789
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

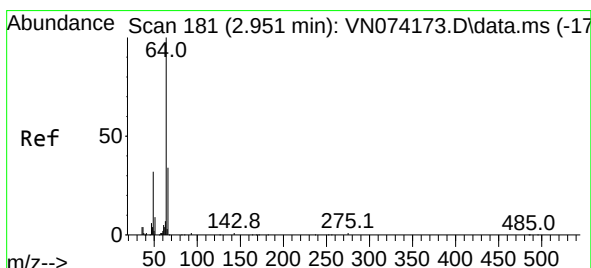
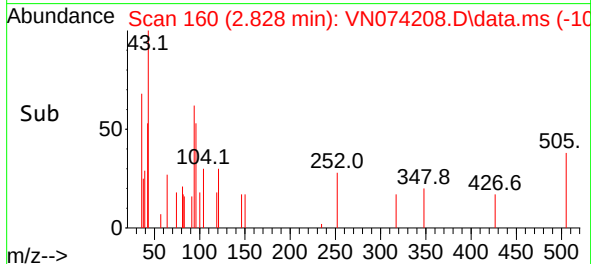
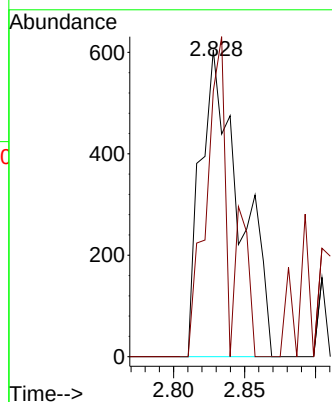
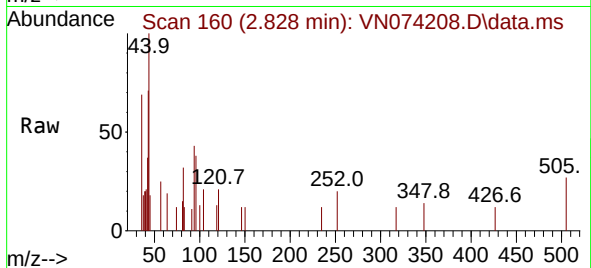




#5
Bromomethane
Concen: 0.812 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

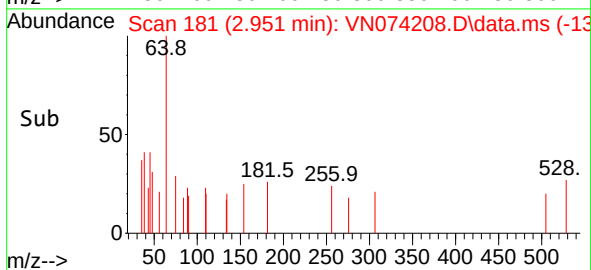
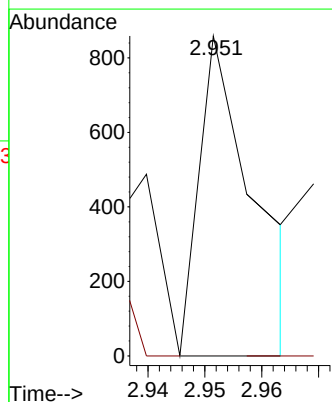
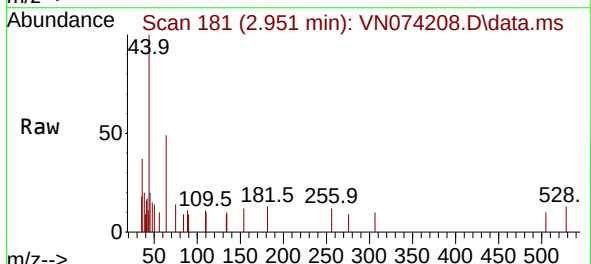
Instrument :
MSVOA_N
ClientSampleId :

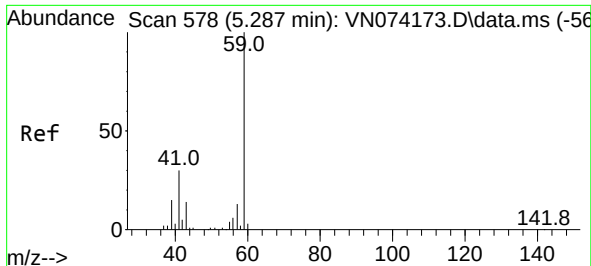
Tgt Ion: 94 Resp: 1156
Ion Ratio Lower Upper
94 100
96 86.6 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. 0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 64 Resp: 581
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.275 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

Instrument :

MSVOA_N

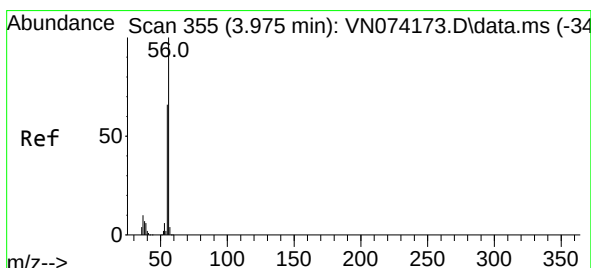
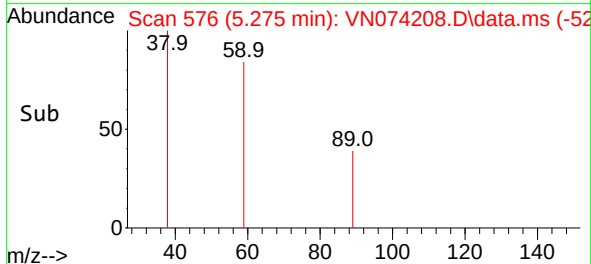
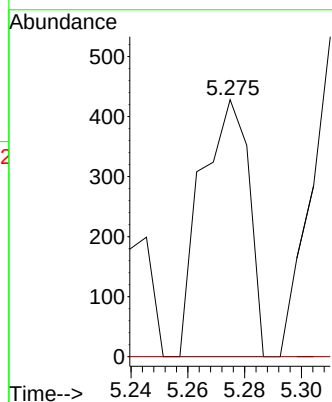
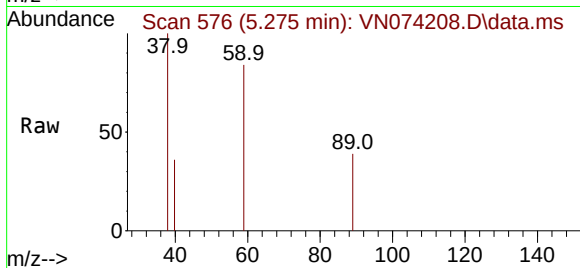
ClientSampleId :

Tgt Ion: 59 Resp: 498

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.352 ug/l

RT: 3.993 min Scan# 358

Delta R.T. 0.018 min

Lab File: VN074208.D

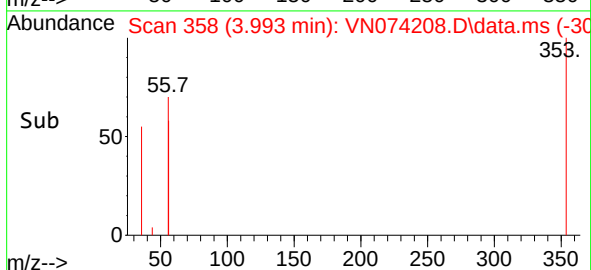
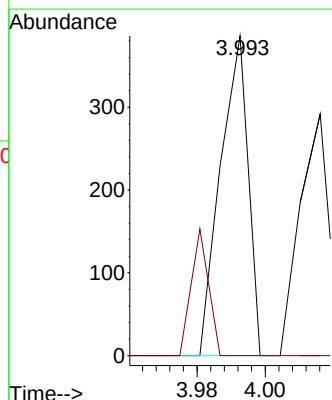
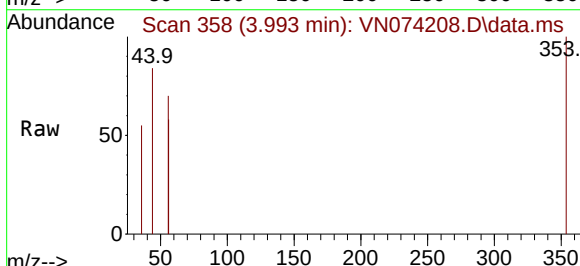
Acq: 31 Aug 2022 12:42

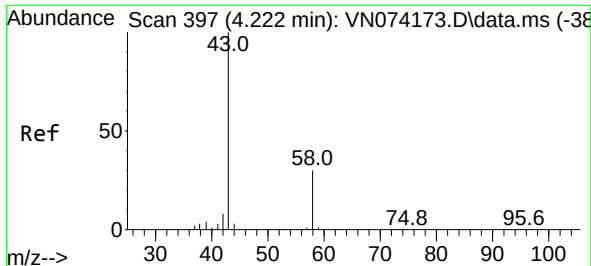
Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

56 100

55 24.9 54.8 82.2#

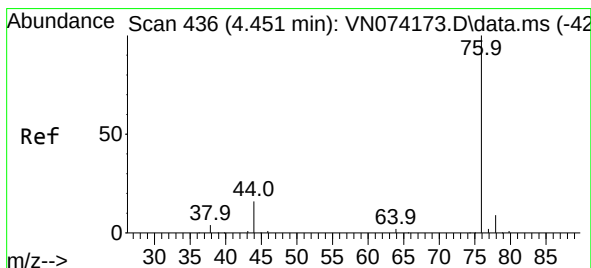
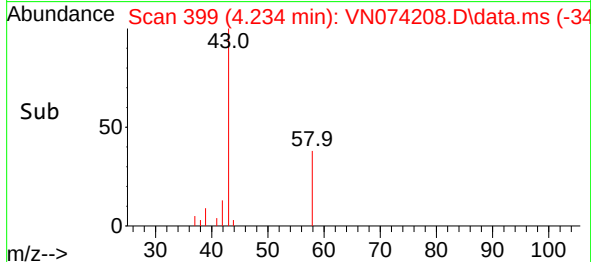
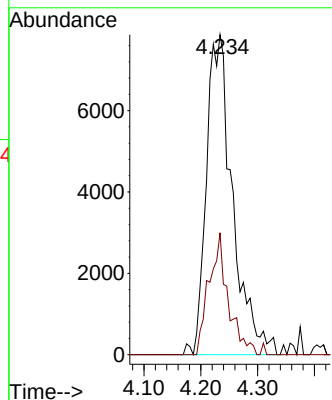
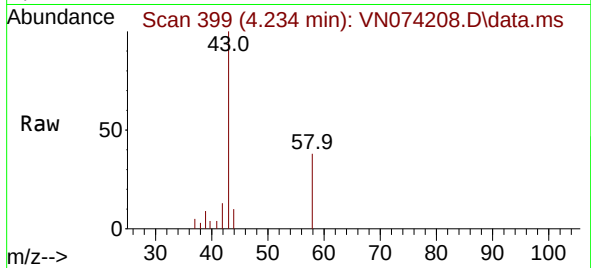




#16
Acetone
Concen: 13.487 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

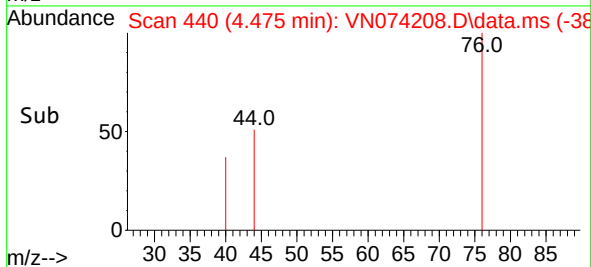
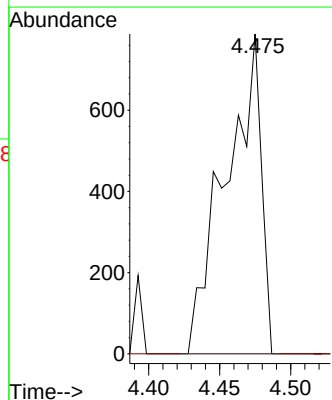
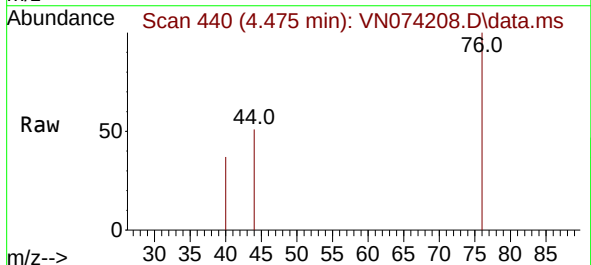
Instrument :
MSVOA_N
ClientSampleId :

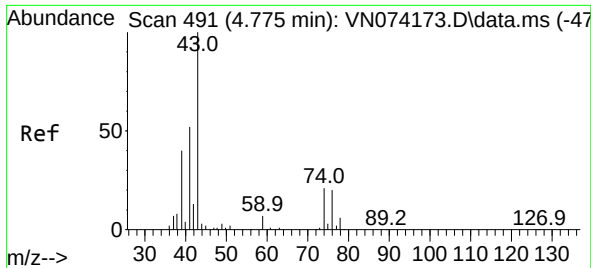
Tgt Ion: 43 Resp: 25132
Ion Ratio Lower Upper
43 100
58 38.1 26.0 39.0



#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 4.475 min Scan# 440
Delta R.T. 0.024 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 76 Resp: 1363
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

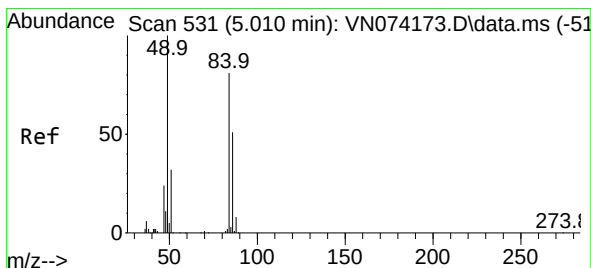
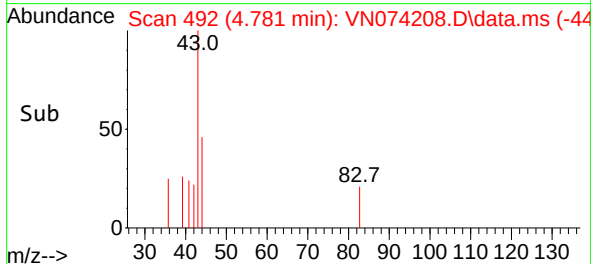
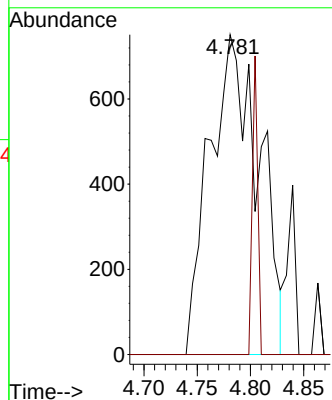
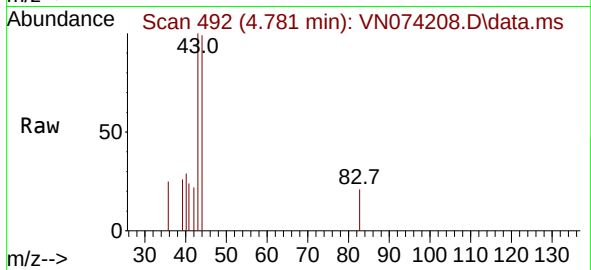




#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

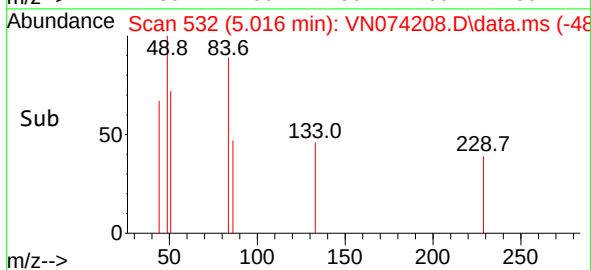
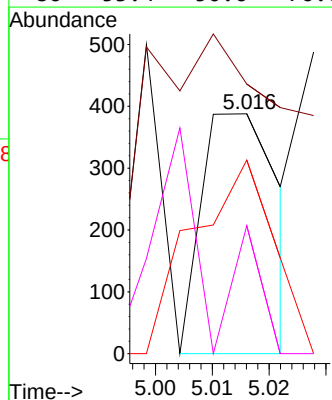
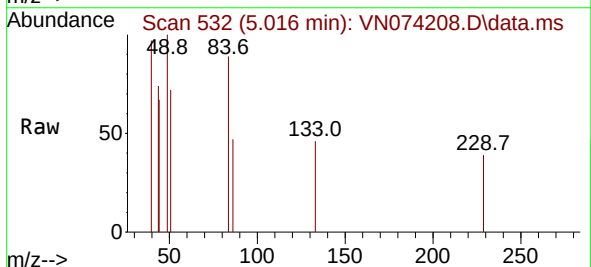
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MSVOA_N
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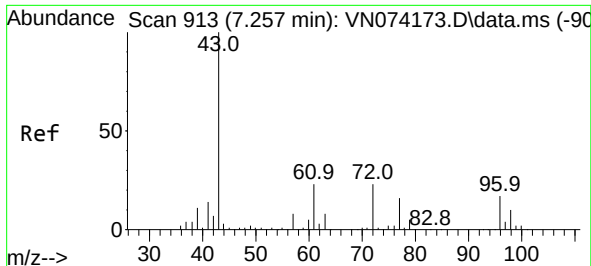
Tgt Ion: 43 Resp: 2422
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 84 Resp: 369
Ion Ratio Lower Upper
84 100
49 9.8 88.3 132.5#
51 40.7 28.2 42.2
86 53.4 50.6 76.0

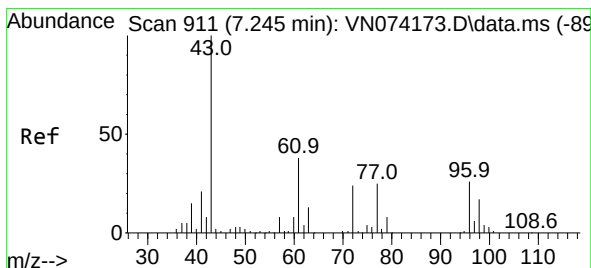
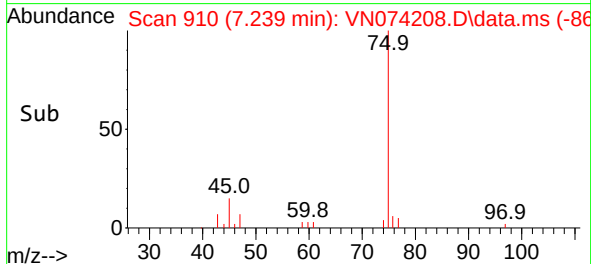
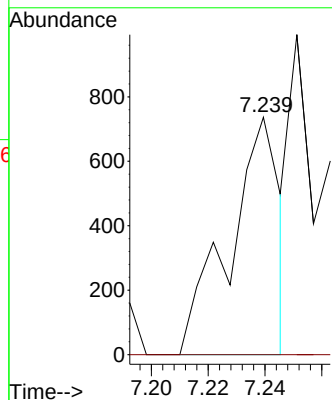
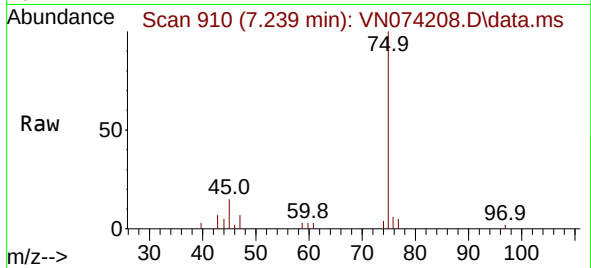




#25
2-Butanone
Concen: 0.306 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

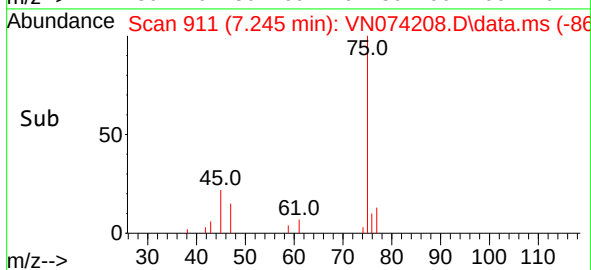
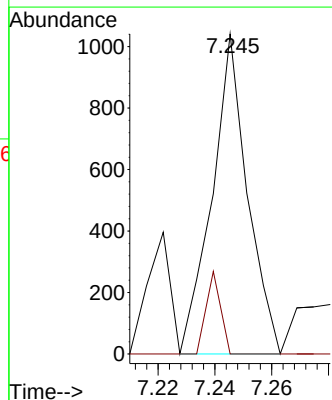
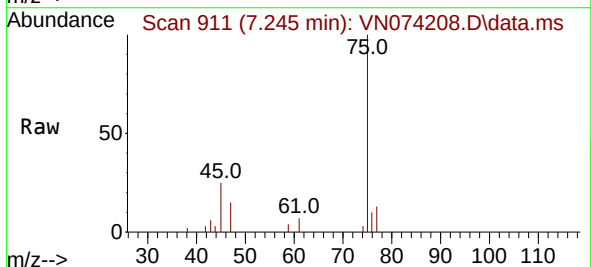
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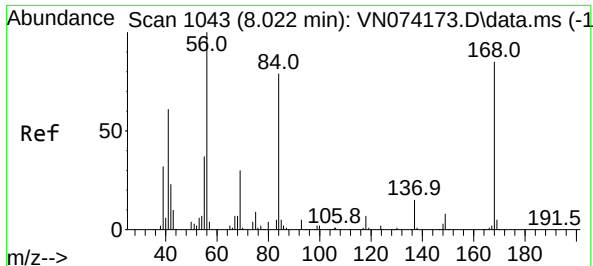
Tgt Ion: 43 Resp: 912
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.562 ug/l
RT: 7.245 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

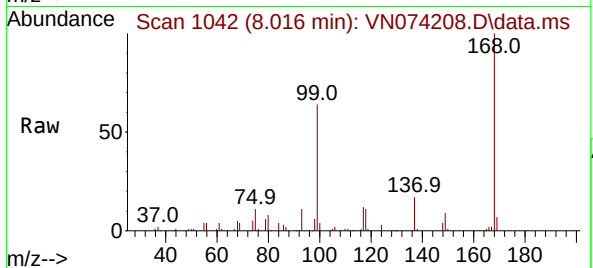
Tgt Ion: 77 Resp: 900
Ion Ratio Lower Upper
77 100
97 10.6 11.4 34.2#



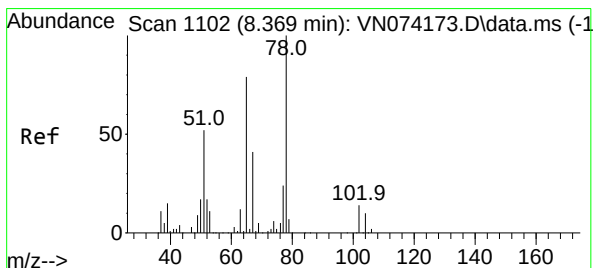
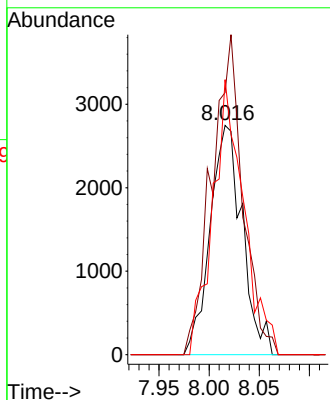
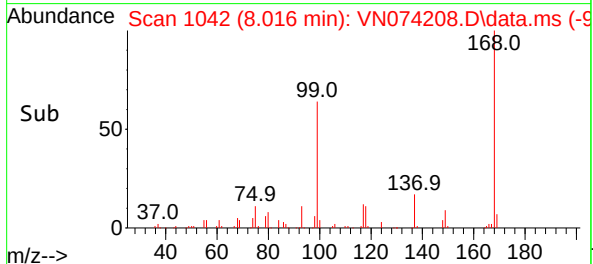


#31
Cyclohexane
Concen: 1.323 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Instrument :
MSVOA_N
ClientSampleId :

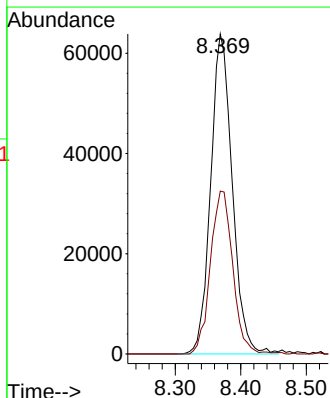
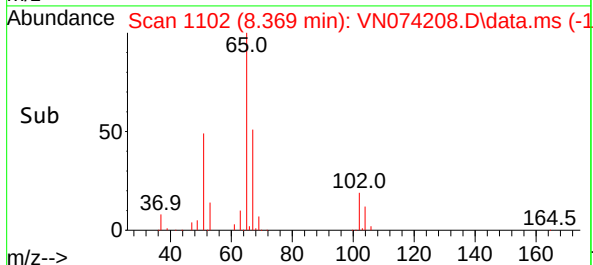
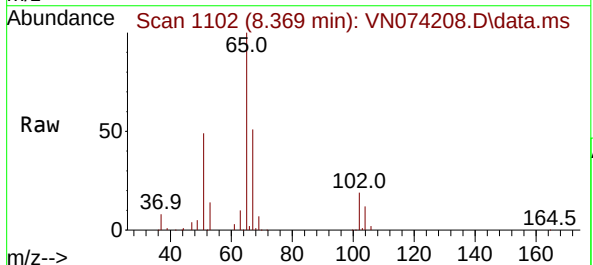


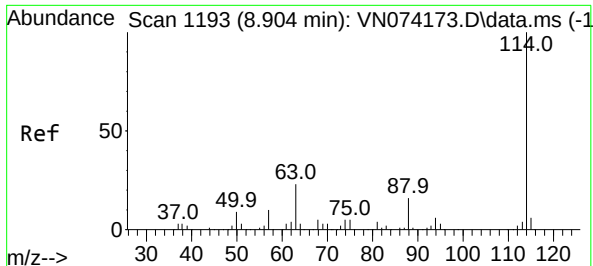
Tgt Ion: 56 Resp: 6096
Ion Ratio Lower Upper
56 100
69 114.3 27.8 41.8#
84 119.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 52.255 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 65 Resp: 145725
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

Instrument :

MSVOA_N

ClientSampleId :

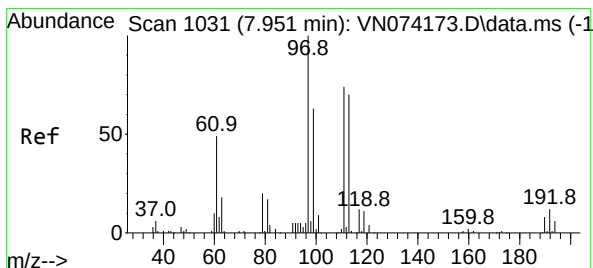
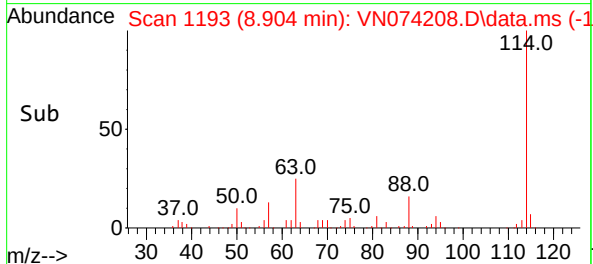
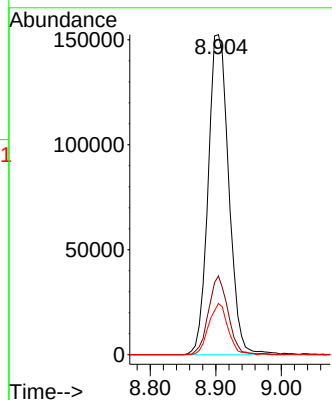
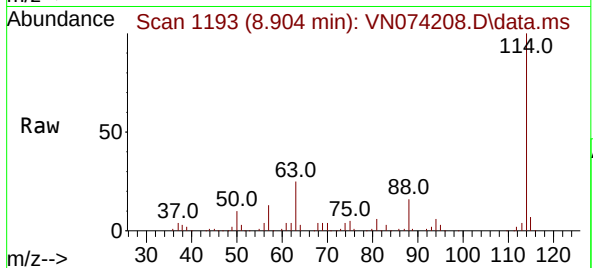
Tgt Ion:114 Resp: 333285

Ion Ratio Lower Upper

114 100

63 24.6 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.621 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

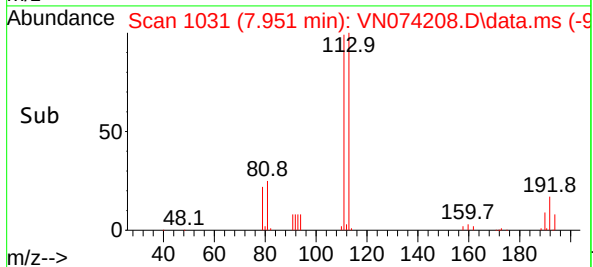
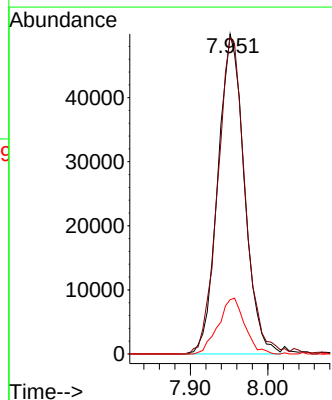
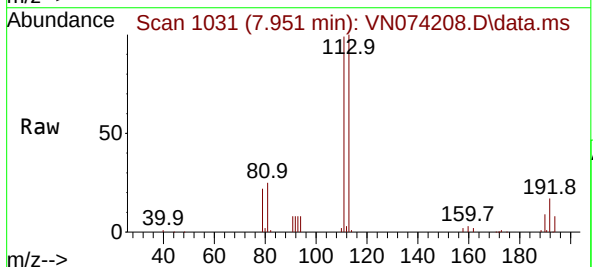
Tgt Ion:113 Resp: 118459

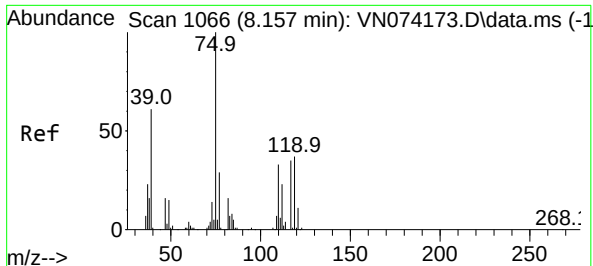
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 17.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.269 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074208.D

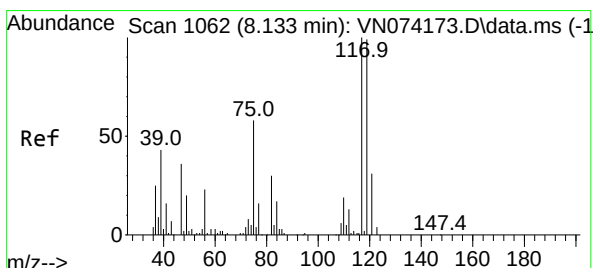
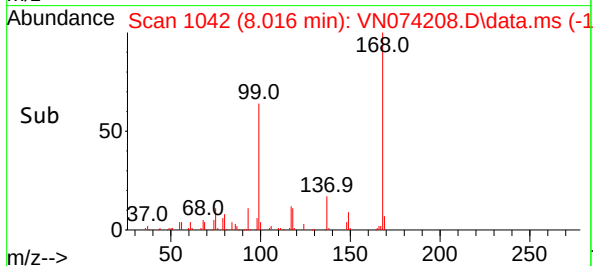
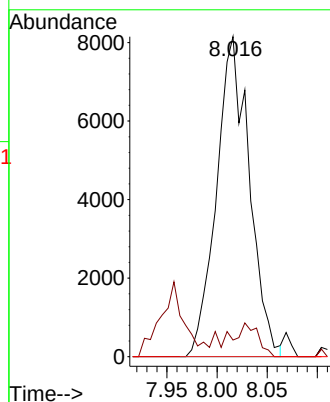
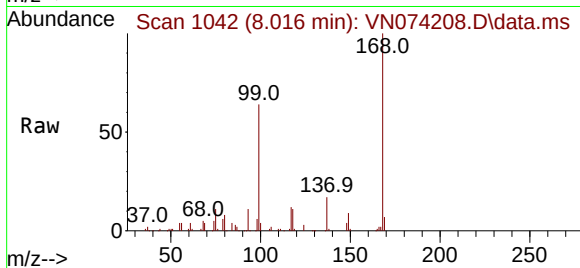
Acq: 31 Aug 2022 12:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18541
Ion Ratio	Lower	Upper	
75	100		
110	8.0	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.227 ug/l

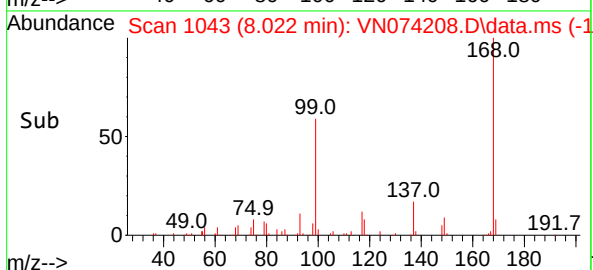
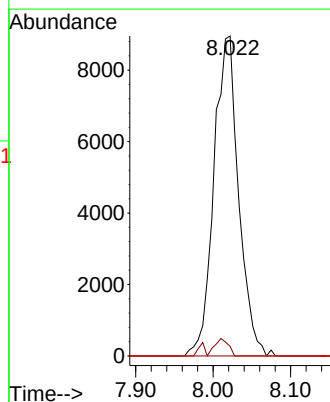
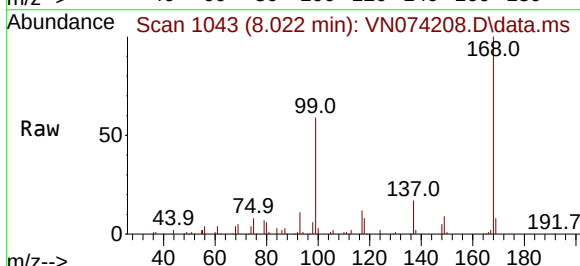
RT: 8.022 min Scan# 1043

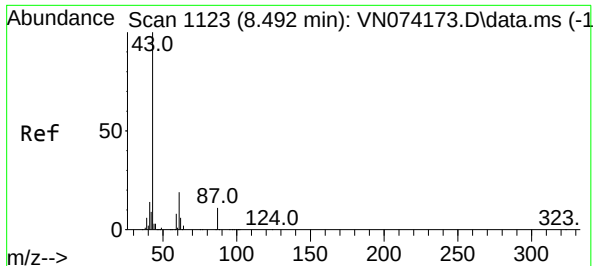
Delta R.T. -0.111 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

Tgt Ion:	117	Resp:	19902
Ion Ratio	Lower	Upper	
117	100		
119	3.0	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 1.154 ug/l

RT: 8.616 min Scan# 1123

Delta R.T. 0.124 min

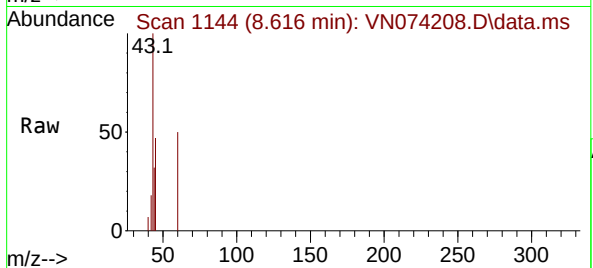
Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

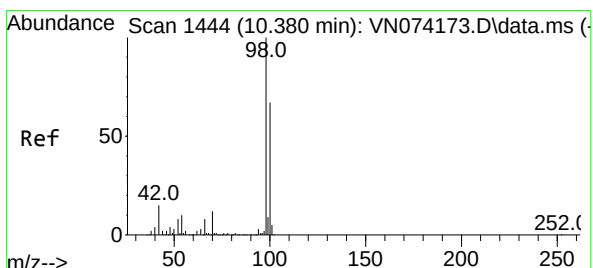
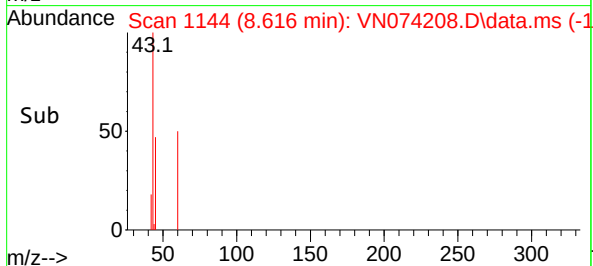
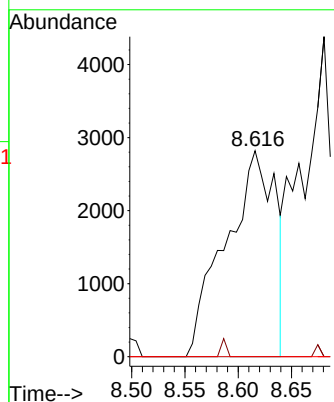
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 9132
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 44.739 ug/l

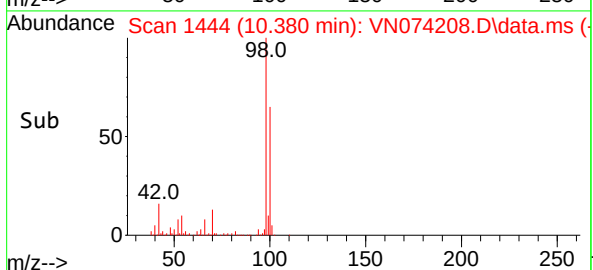
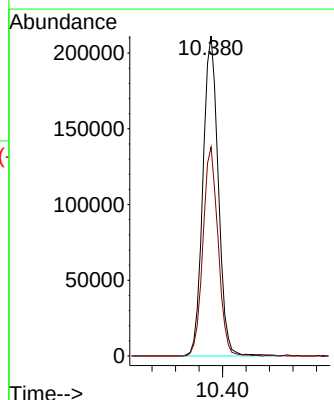
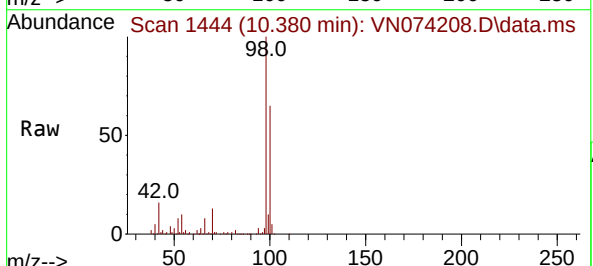
RT: 10.380 min Scan# 1444

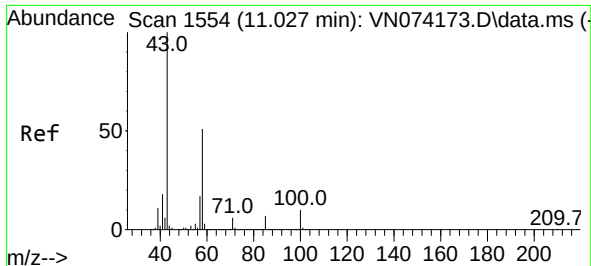
Delta R.T. 0.000 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

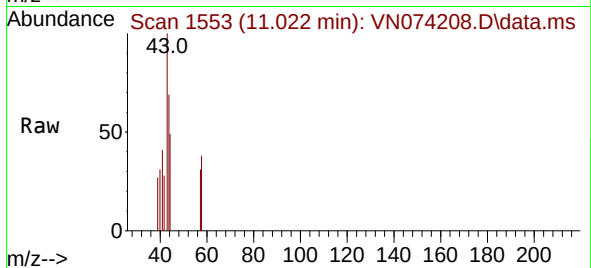
Tgt Ion: 98	Resp: 382111
Ion Ratio	Lower Upper
98	100
100	64.4 52.6 78.8



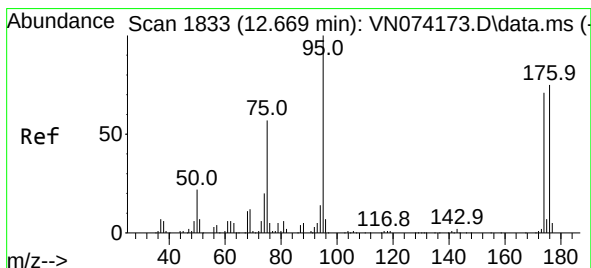
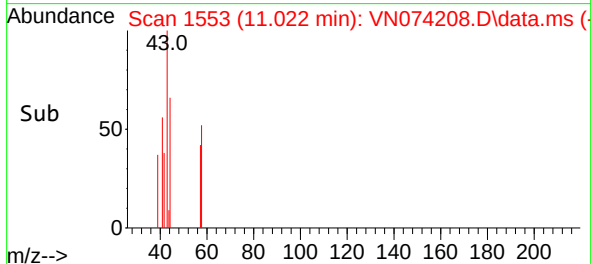
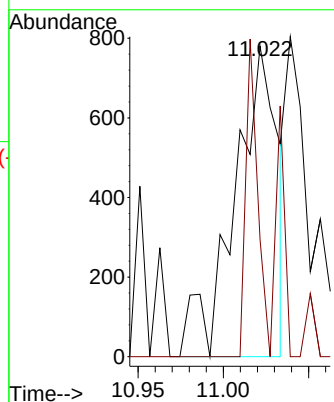


#59
2-Hexanone
Concen: 0.315 ug/l
RT: 11.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Instrument :
MSVOA_N
ClientSampleId :

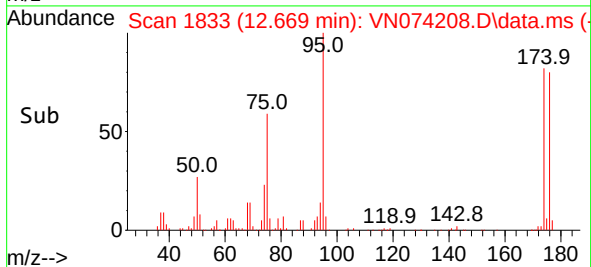
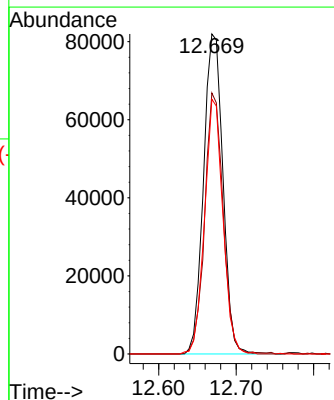
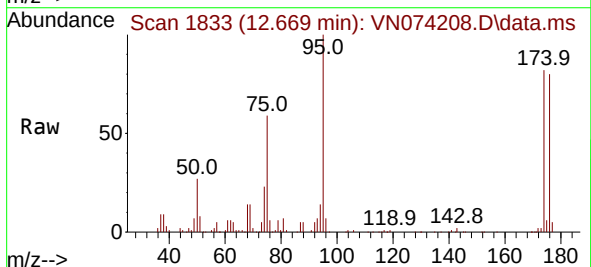


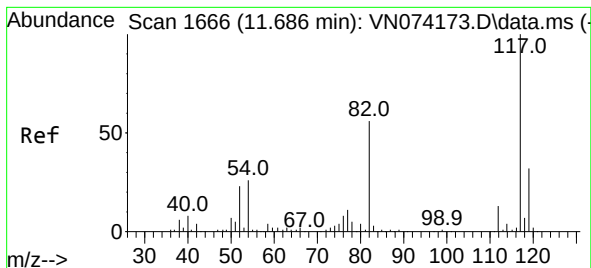
Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
58 28.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 54.733 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion: 95 Resp: 142159
Ion Ratio Lower Upper
95 100
174 77.4 0.0 167.6
176 75.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

Instrument :

MSVOA_N

ClientSampleId :

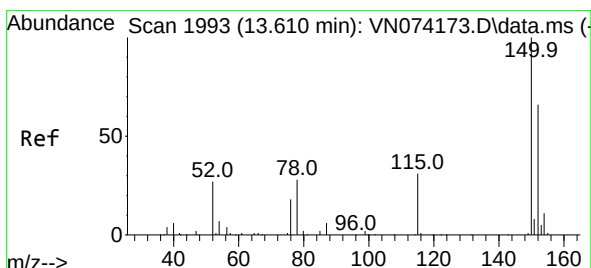
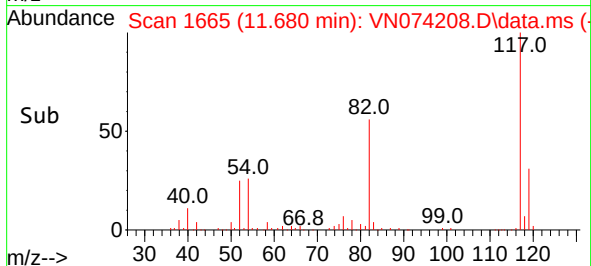
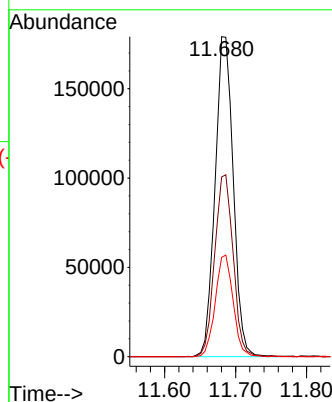
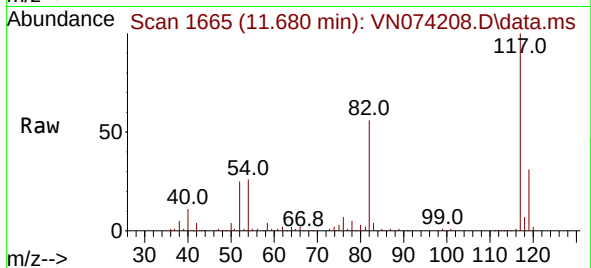
Tgt Ion:117 Resp: 318516

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.2

119 31.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074208.D

Acq: 31 Aug 2022 12:42

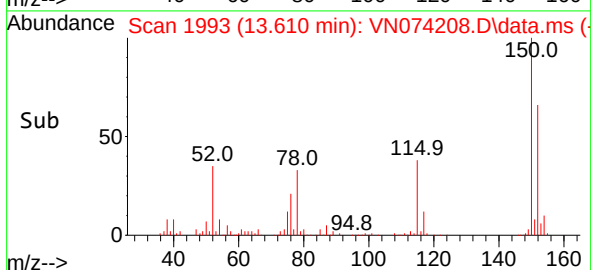
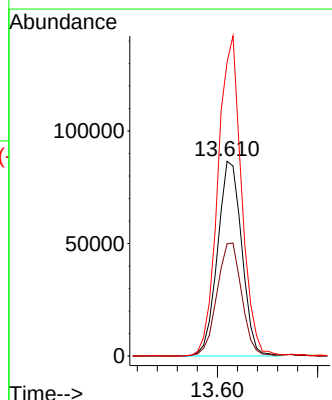
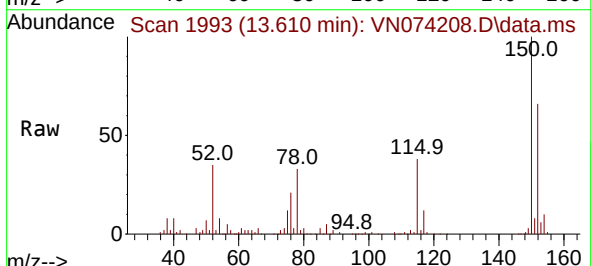
Tgt Ion:152 Resp: 144871

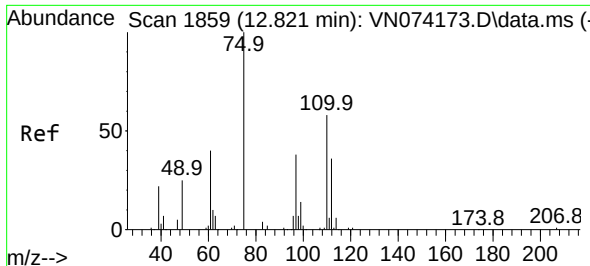
Ion Ratio Lower Upper

152 100

115 59.1 28.9 86.7

150 159.6 0.0 356.2

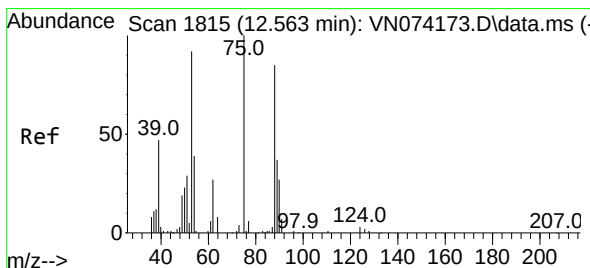
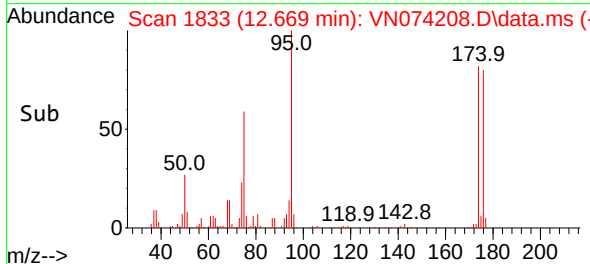
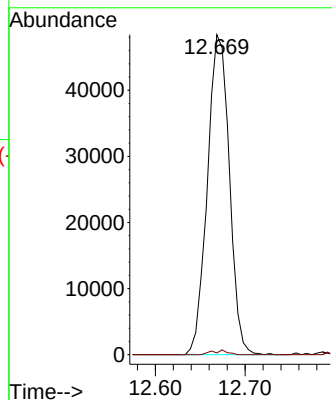
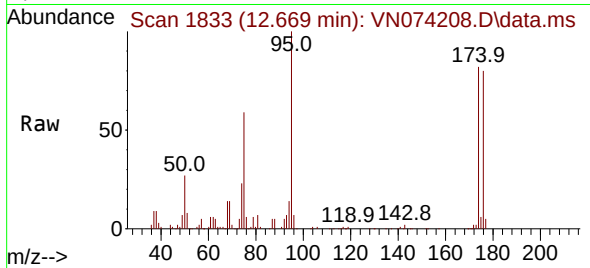




#76
1,2,3-Trichloropropane
Concen: 22.684 ug/l
RT: 12.669 min Scan# 1859
Delta R.T. -0.152 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

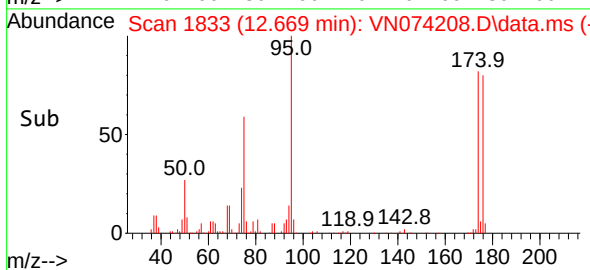
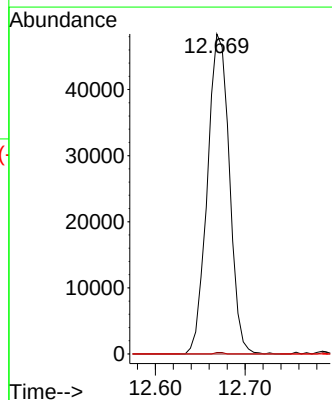
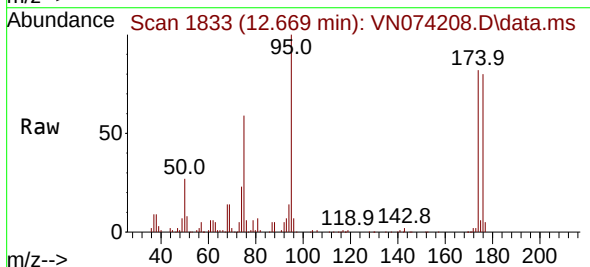
Instrument :
MSVOA_N
ClientSampleId :

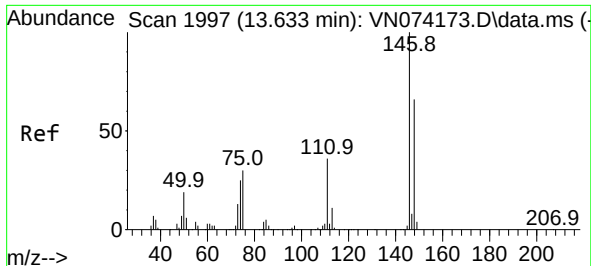
Tgt Ion: 75 Resp: 82343
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.997 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

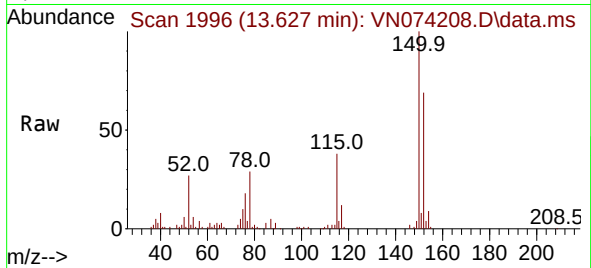
Tgt Ion: 75 Resp: 82343
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



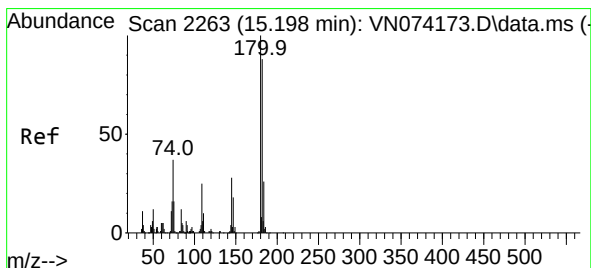
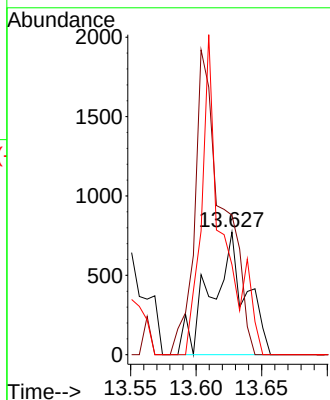
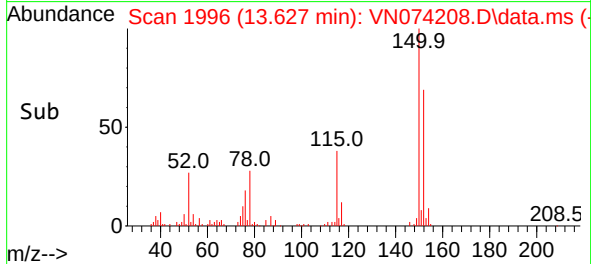


#88
1,4-Dichlorobenzene
Concen: 0.264 ug/l
RT: 13.627 min Scan# 1997
Delta R.T. -0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Instrument :
MSVOA_N
ClientSampleId :

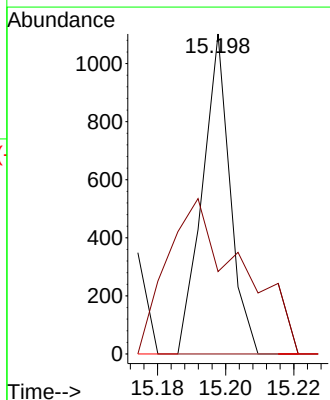
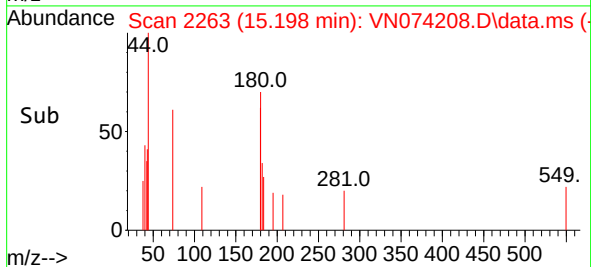
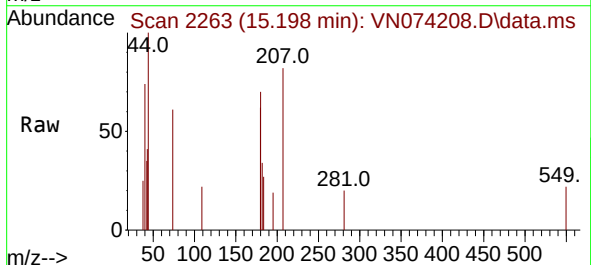


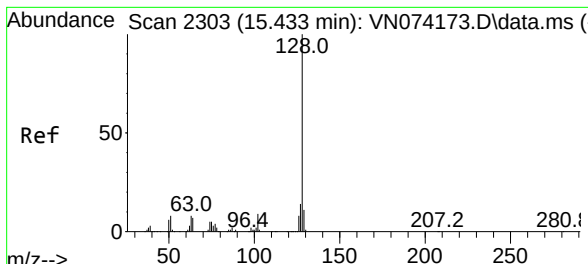
Tgt Ion:146 Resp: 1413
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 0.0 31.4 94.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.233 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.000 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion:180 Resp: 622
Ion Ratio Lower Upper
180 100
182 130.2 47.5 142.5
145 0.0 14.5 43.5#

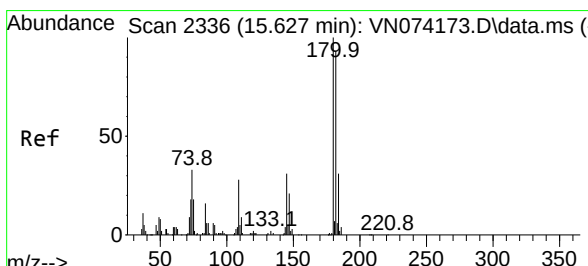
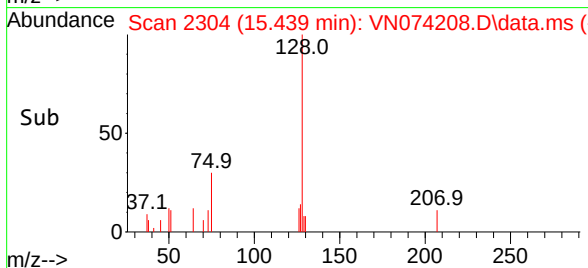
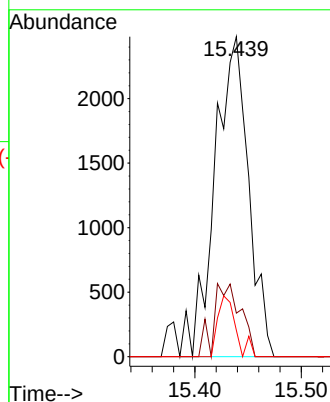
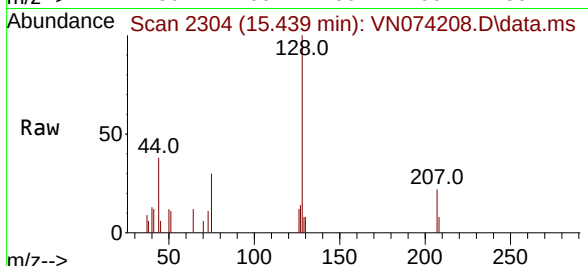




#95
Naphthalene
Concen: 1.638 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 5478
Ion Ratio Lower Upper
128 100
127 18.3 10.3 15.5#
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.468 ug/l
RT: 15.615 min Scan# 2334
Delta R.T. -0.012 min
Lab File: VN074208.D
Acq: 31 Aug 2022 12:42

Tgt Ion:180 Resp: 1294
Ion Ratio Lower Upper
180 100
182 30.6 47.8 143.3#
145 32.1 15.5 46.5

