

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074431.D
 Acq On : 13 Sep 2022 01:24
 Operator : JC\MD
 Sample : PB147484TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-083122

Quant Time: Sep 13 06:55:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

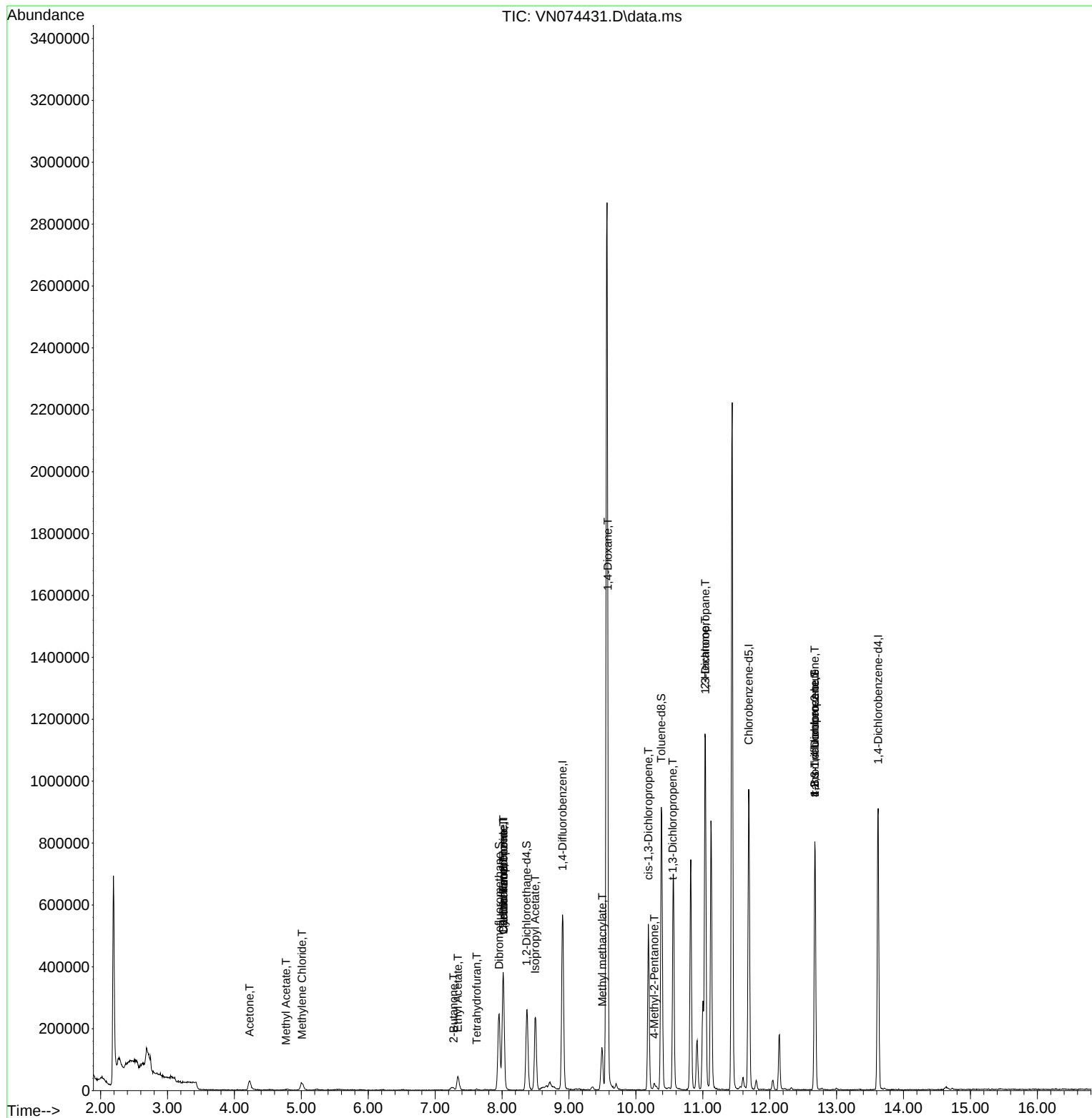
Internal Standards						
1) Pentafluorobenzene	8.016	168	265389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	465121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	491769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	213529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	205345	44.722	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.440%		
35) Dibromofluoromethane	7.957	113	165358	52.661	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.320%		
50) Toluene-d8	10.380	98	583403	47.683	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.360%		
62) 4-Bromofluorobenzene	12.674	95	237068	53.369	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.740%		
Target Compounds						Qvalue
3) Chloromethane	2.257	50	3889	Below Cal		89
6) Chloroethane	3.157	64	2525	Below Cal	#	42
16) Acetone	4.228	43	53794	21.701	ug/l	95
18) Methyl Acetate	4.769	43	2229	0.305	ug/l	# 82
20) Methylene Chloride	5.010	84	15714	2.903	ug/l	# 87
25) 2-Butanone	7.275	43	10577	2.542	ug/l	94
28) Bromochloromethane	7.628	49	55	Below Cal	#	20
29) Tetrahydrofuran	7.622	42	2269	0.825	ug/l	# 78
31) Cyclohexane	8.022	56	9791	1.341	ug/l	# 81
36) 1,1-Dichloropropene	8.022	75	23887	4.618	ug/l	# 52
37) Ethyl Acetate	7.339	43	69767	9.297	ug/l	97
38) Carbon Tetrachloride	8.022	117	28772	5.388	ug/l	# 15
43) Isopropyl Acetate	8.492	43	282569	23.025	ug/l	# 91
48) Methyl methacrylate	9.498	41	8810	1.629	ug/l	# 47
49) 1,4-Dioxane	9.580	88	254	2.229	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.274	43	20997	2.616	ug/l	# 80
53) t-1,3-Dichloropropene	10.551	75	1863	0.294	ug/l	# 76
54) cis-1,3-Dichloropropene	10.186	75	80560	11.938	ug/l	# 66
57) 1,3-Dichloropropane	11.039	76	12040	1.706	ug/l	# 44
59) 2-Hexanone	11.033	43	165588	26.737	ug/l	# 55
74) N-amyl acetate	12.327	43	2810	Below Cal	#	53
76) 1,2,3-Trichloropropane	12.674	75	146233	26.197	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	146233	58.393	ug/l	# 9
92) 1,2-Dibromo-3-Chloropr...	14.515	75	60	Below Cal	#	8

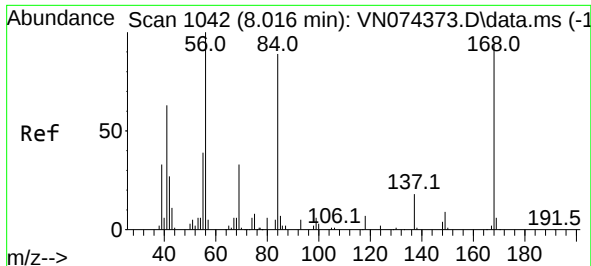
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
Data File : VN074431.D
Acq On : 13 Sep 2022 01:24
Operator : JC\MD
Sample : PB147484TB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

Quant Time: Sep 13 06:55:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
Response via : Initial Calibration

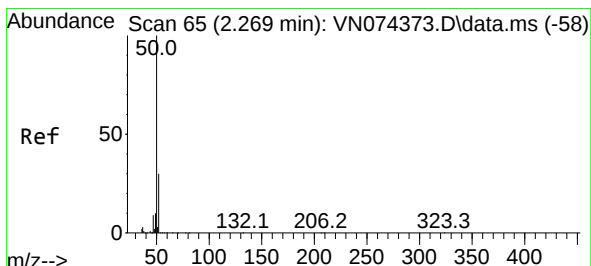
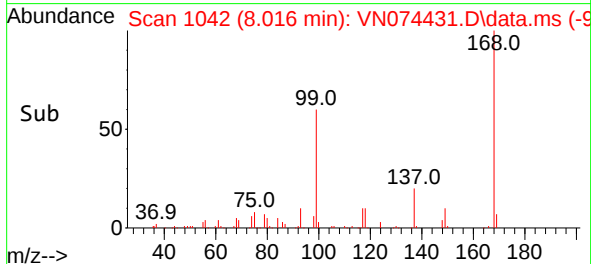
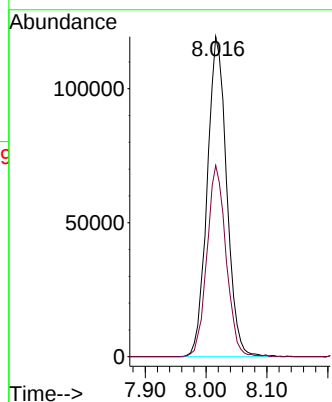
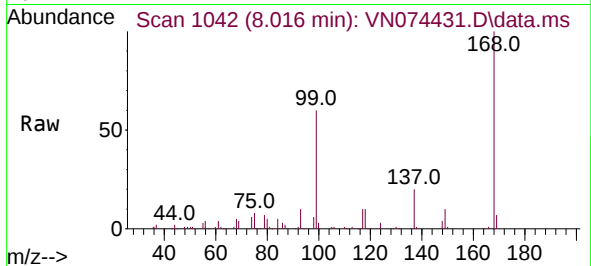




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

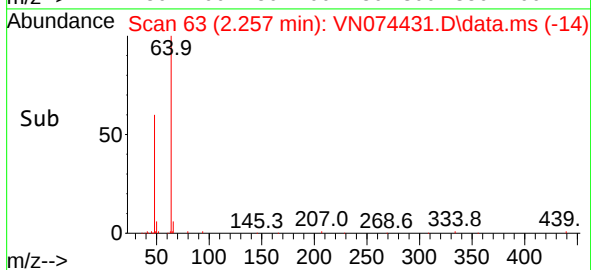
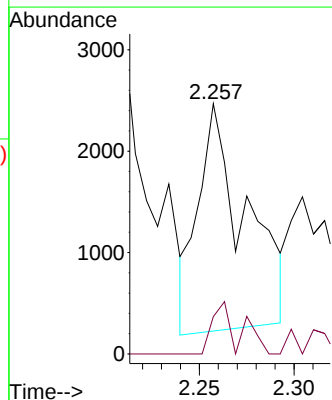
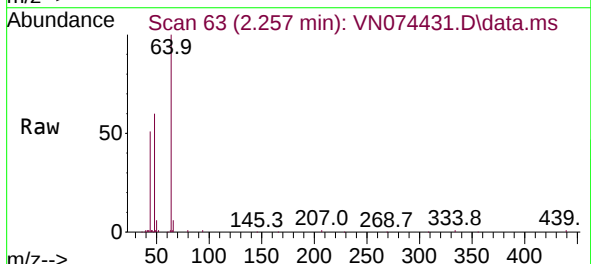
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

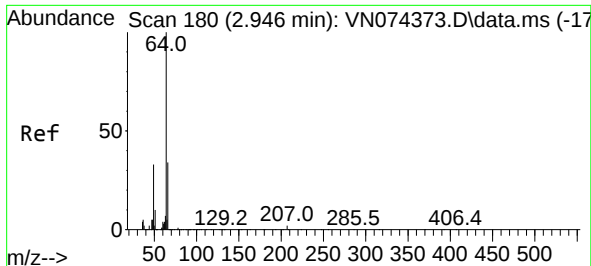
Tgt Ion:168 Resp: 265389
Ion Ratio Lower Upper
168 100
99 59.7 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.257 min Scan# 63
Delta R.T. -0.012 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 50 Resp: 3889
Ion Ratio Lower Upper
50 100
52 24.3 24.1 36.1

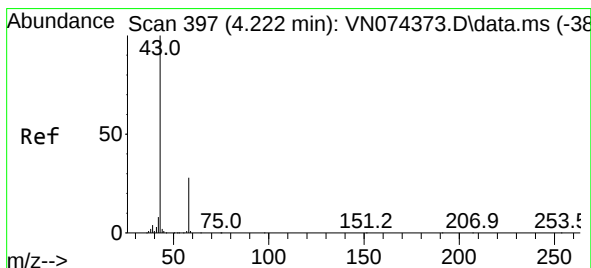
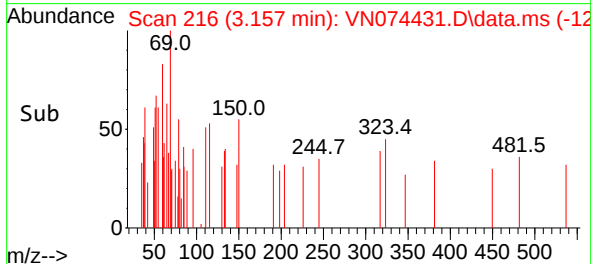
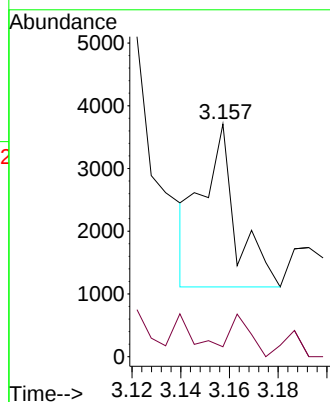
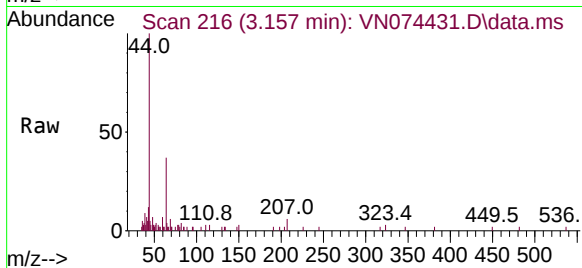




#6
Chloroethane
Concen: Below Cal
RT: 3.157 min Scan# 216
Delta R.T. 0.211 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

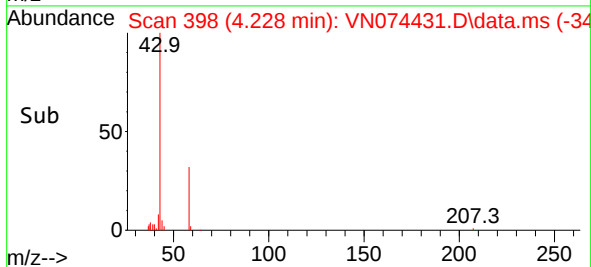
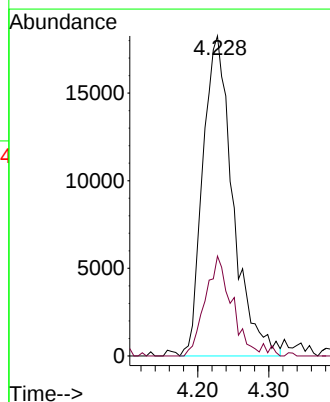
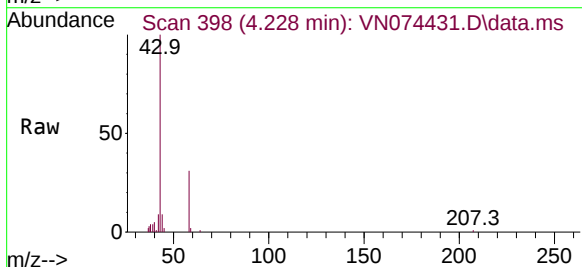
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

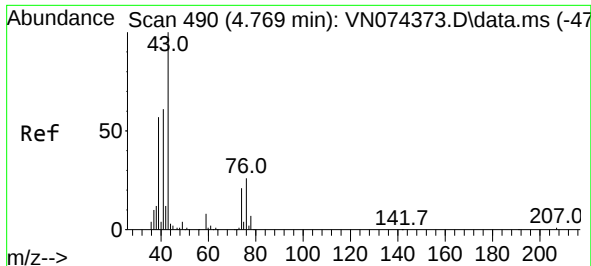
Tgt Ion: 64 Resp: 2525
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#



#16
Acetone
Concen: 21.701 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 43 Resp: 53794
Ion Ratio Lower Upper
43 100
58 31.2 22.7 34.1

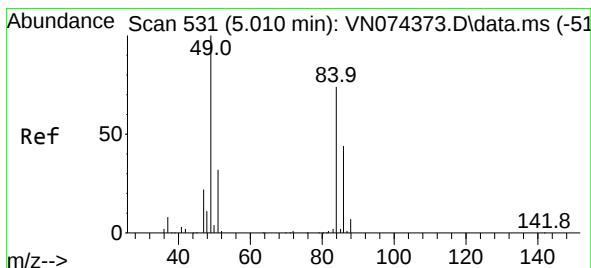
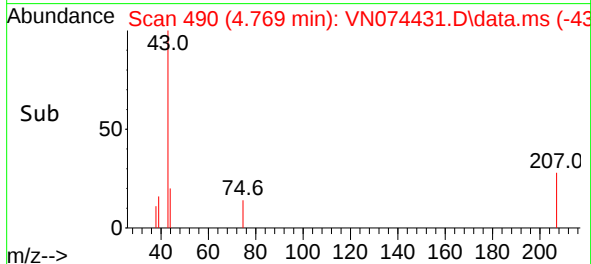
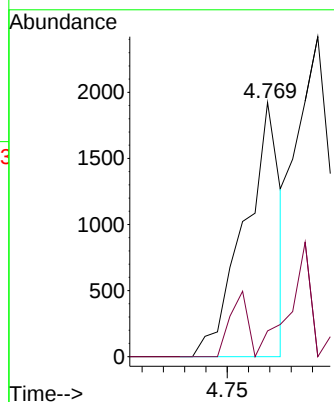
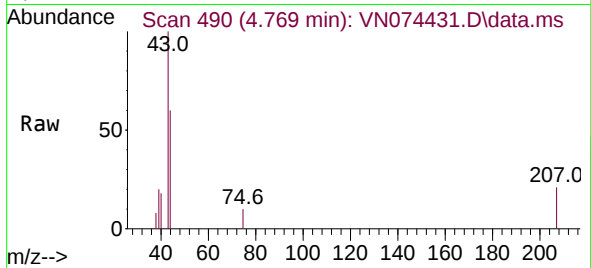




#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 4.769 min Scan# 490
Delta R.T. -0.000 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

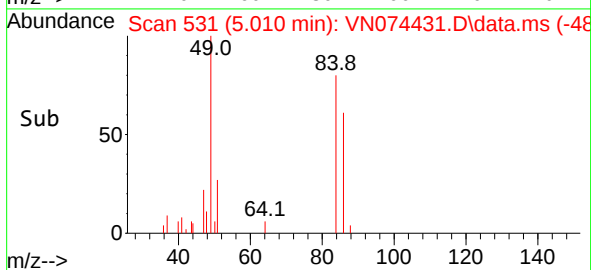
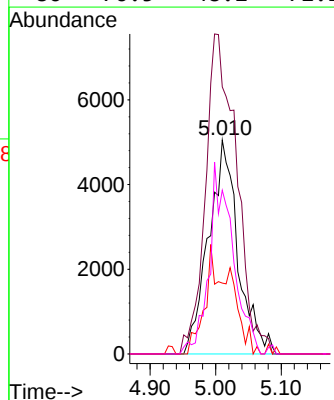
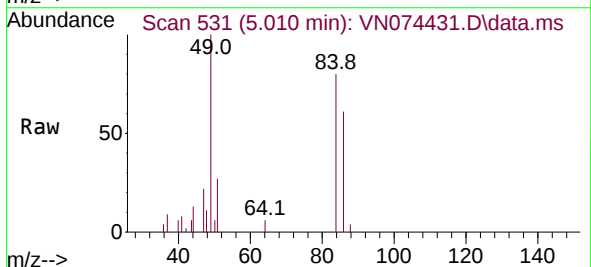
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

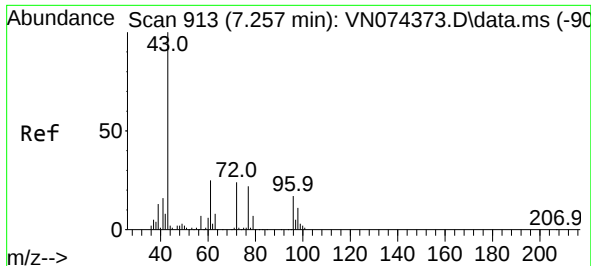
Tgt Ion: 43 Resp: 2229
Ion Ratio Lower Upper
43 100
74 12.7 16.7 25.1#



#20
Methylene Chloride
Concen: 2.903 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 84 Resp: 15714
Ion Ratio Lower Upper
84 100
49 124.8 108.2 162.4
51 33.1 34.3 51.5#
86 76.5 48.2 72.2#

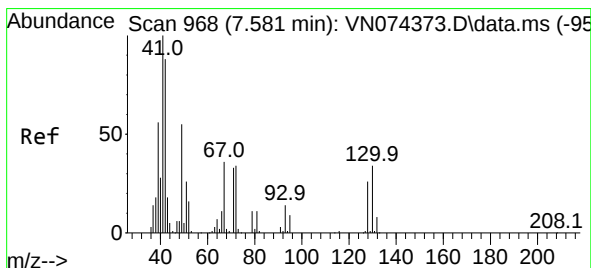
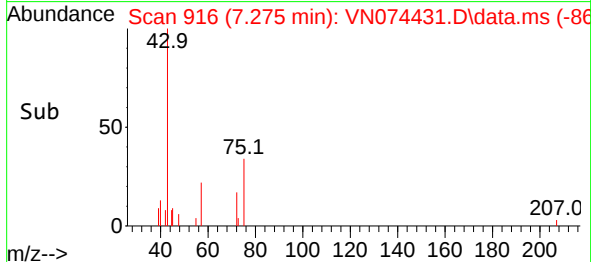
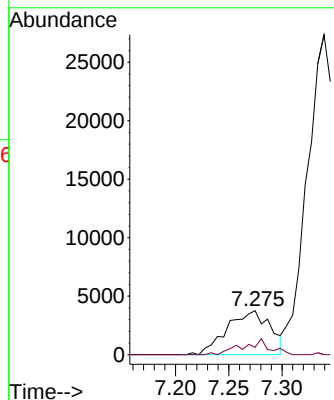
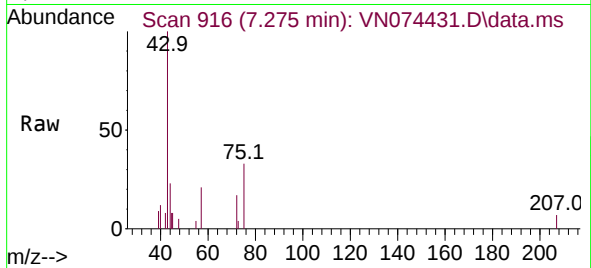




#25
2-Butanone
Concen: 2.542 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

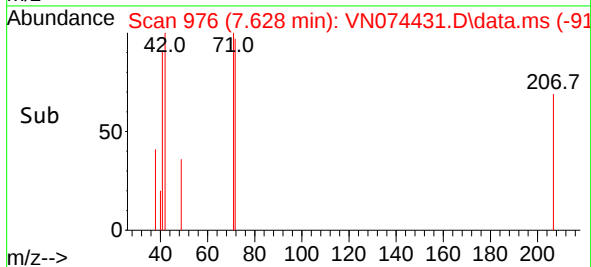
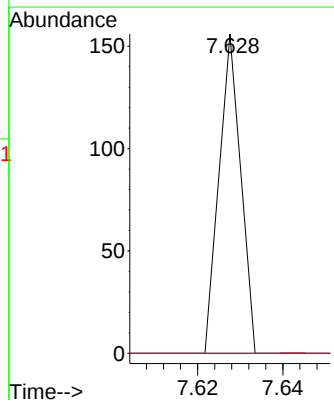
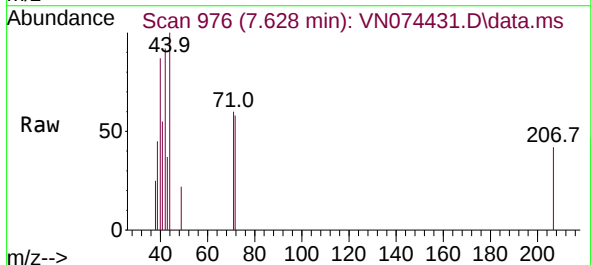
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

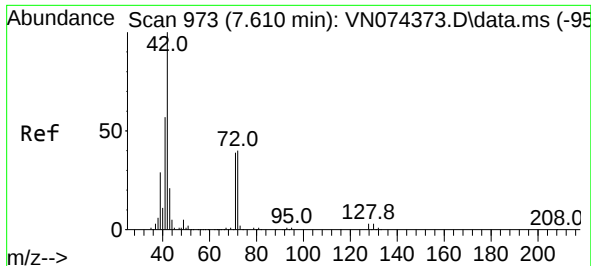
Tgt Ion: 43 Resp: 10577
Ion Ratio Lower Upper
43 100
72 20.6 18.9 28.3



#28
Bromochloromethane
Concen: Below Cal
RT: 7.628 min Scan# 976
Delta R.T. 0.047 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#





#29

Tetrahydrofuran

Concen: 0.825 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074431.D

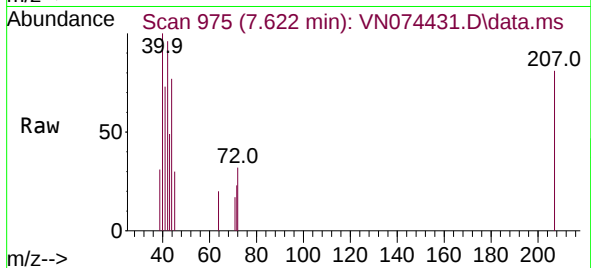
Acq: 13 Sep 2022 01:24

Instrument :

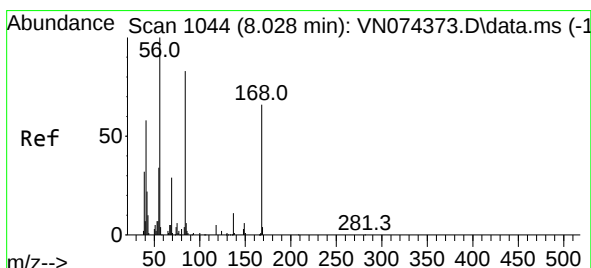
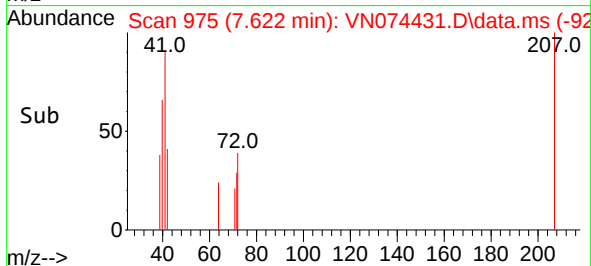
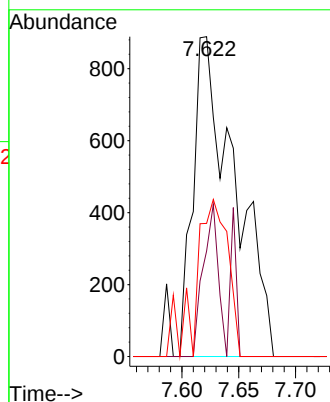
MSVOA_N

ClientSampleId :

TB01-083122



Tgt Ion:	42	Resp:	2269
Ion	Ratio	Lower	Upper
42	100		
72	17.1	32.7	49.1#
71	35.3	31.0	46.6



#31

Cyclohexane

Concen: 1.341 ug/l

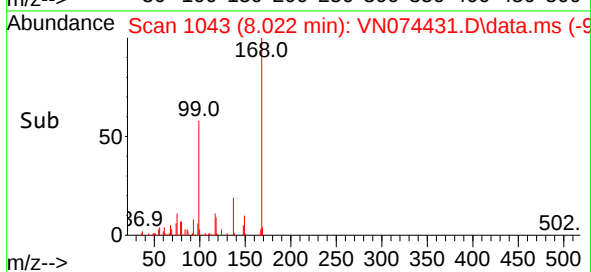
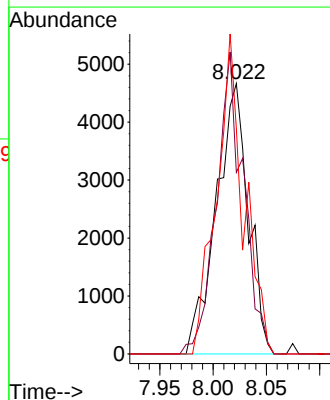
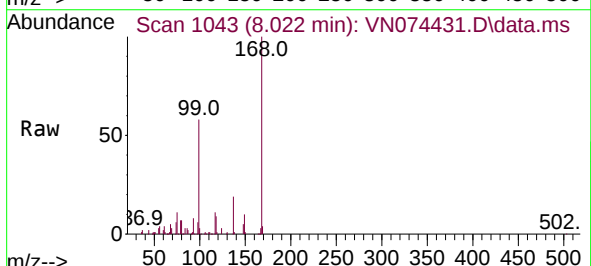
RT: 8.022 min Scan# 1043

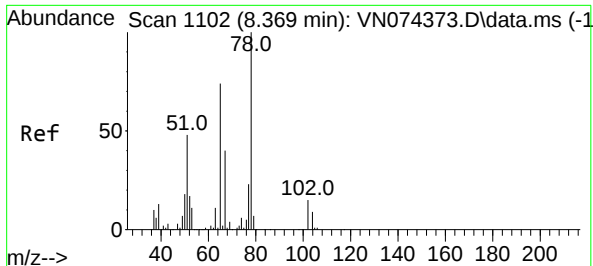
Delta R.T. -0.006 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Tgt Ion:	56	Resp:	9791
Ion	Ratio	Lower	Upper
56	100		
69	67.2	23.0	34.4#
84	83.3	66.3	99.5





#33

1,2-Dichloroethane-d4

Concen: 44.722 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

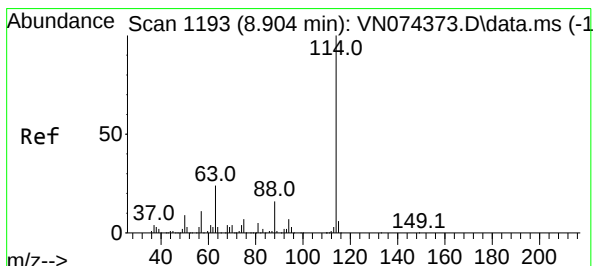
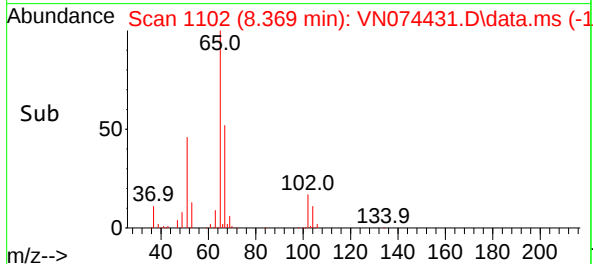
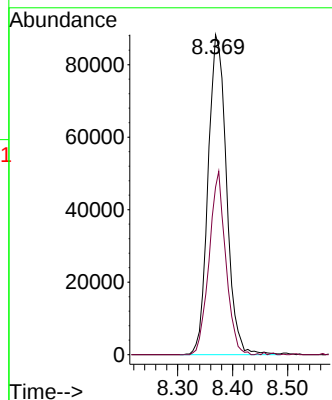
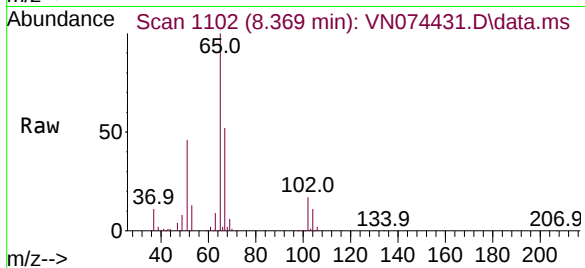
TB01-083122

Tgt Ion: 65 Resp: 205345

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

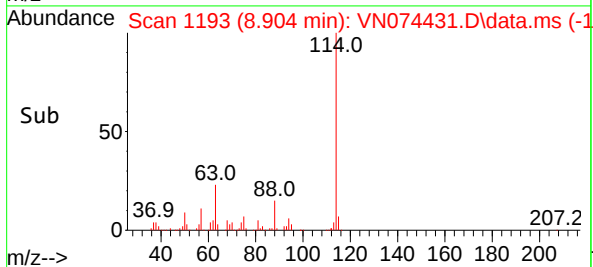
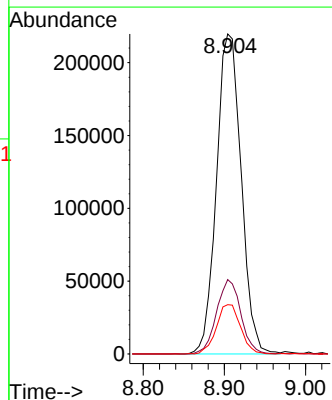
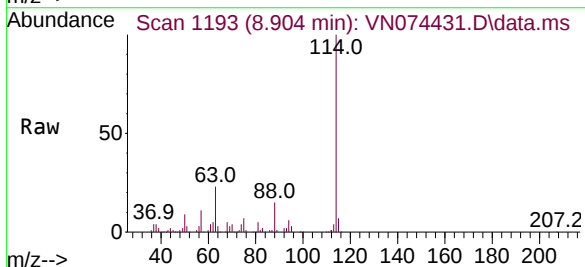
Tgt Ion: 114 Resp: 465121

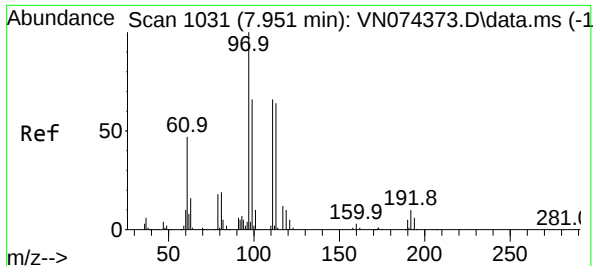
Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.6

88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.661 ug/l

RT: 7.957 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

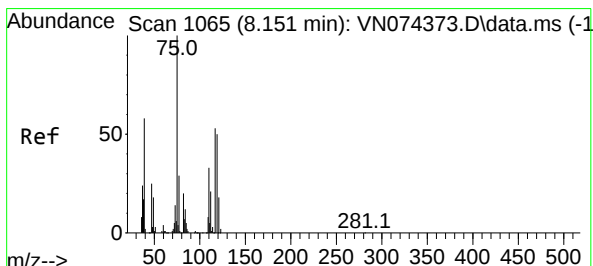
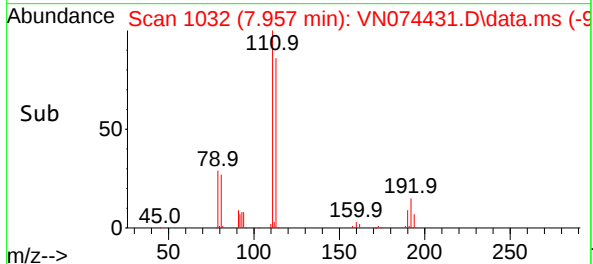
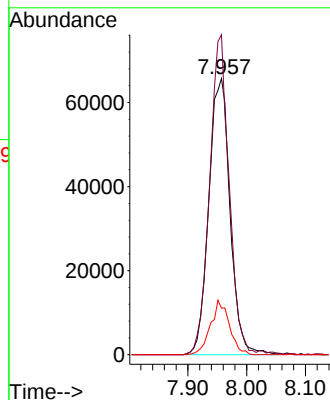
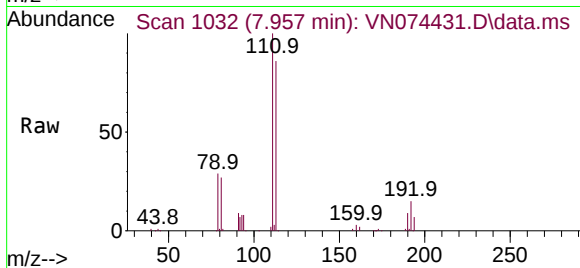
Tgt Ion:113 Resp: 165358

Ion Ratio Lower Upper

113 100

111 105.6 83.0 124.4

192 17.4 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

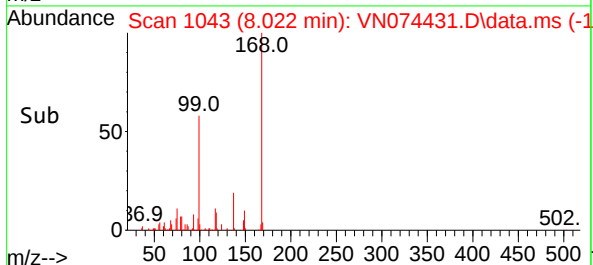
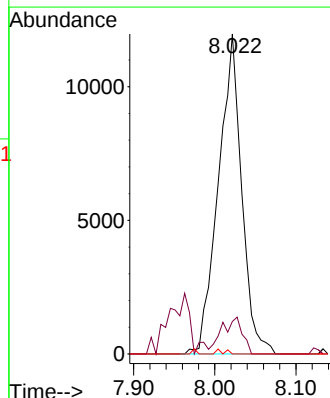
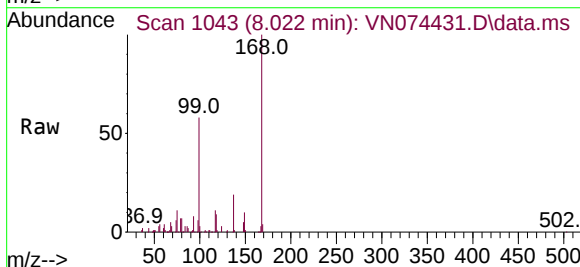
Tgt Ion: 75 Resp: 23887

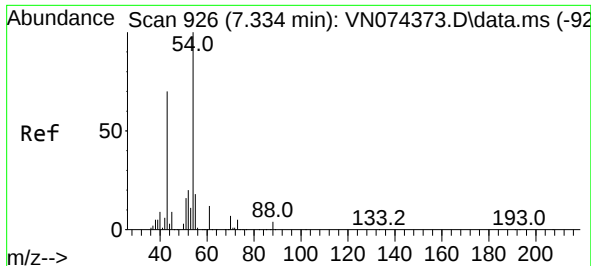
Ion Ratio Lower Upper

75 100

110 10.2 16.4 49.1#

77 0.0 25.4 38.2#

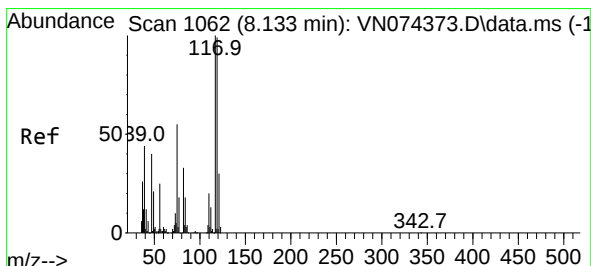
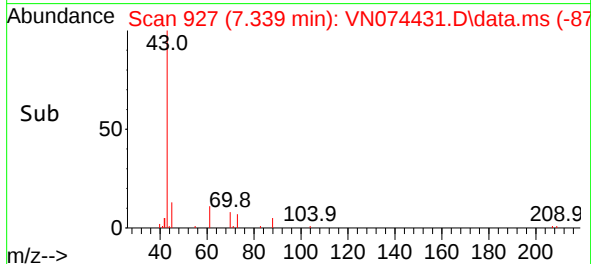
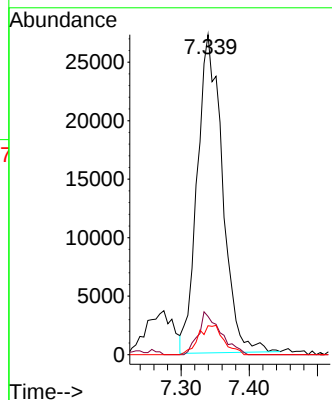
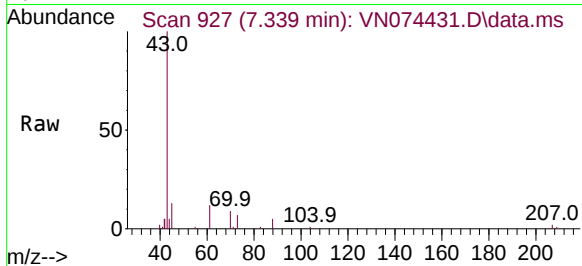




#37
Ethyl Acetate
Concen: 9.297 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

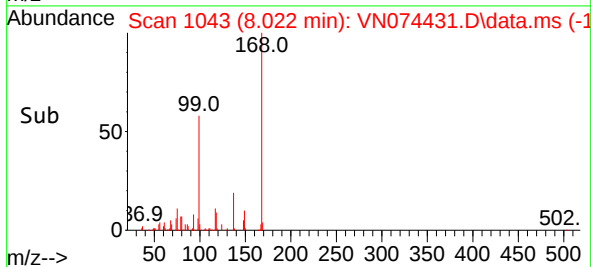
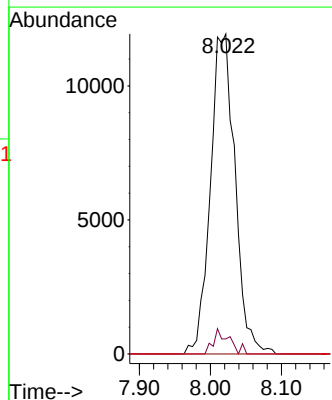
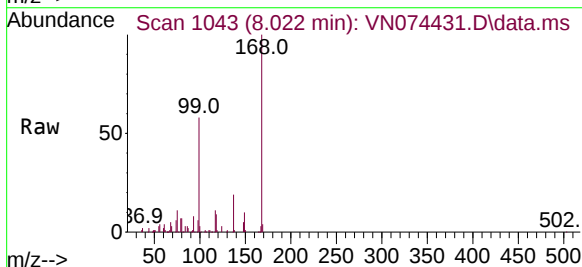
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

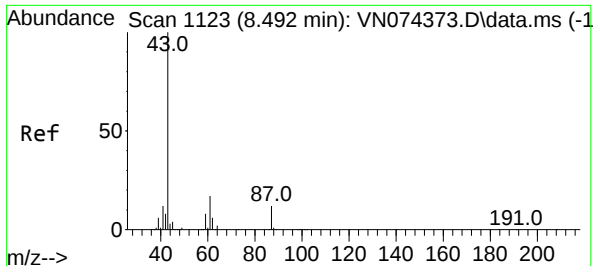
Tgt Ion: 43 Resp: 69767
Ion Ratio Lower Upper
43 100
61 11.9 11.1 16.7
70 9.3 7.2 10.8



#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 117 Resp: 28772
Ion Ratio Lower Upper
117 100
119 4.7 78.8 118.2#
121 0.0 24.1 36.1#





#43

Isopropyl Acetate

Concen: 23.025 ug/l

RT: 8.492 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

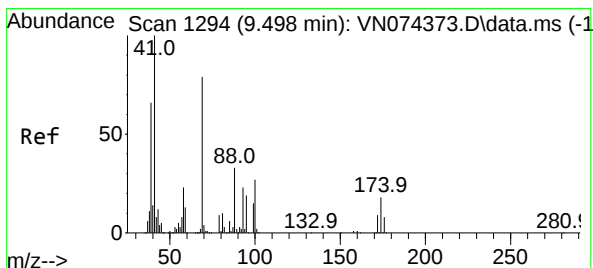
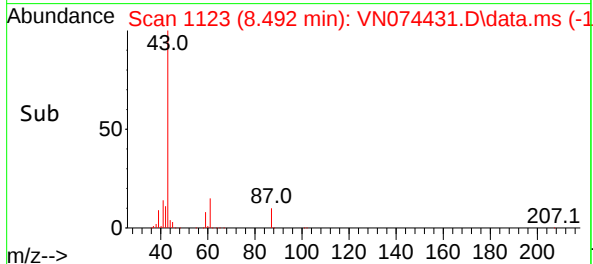
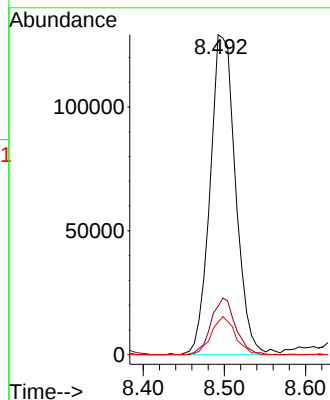
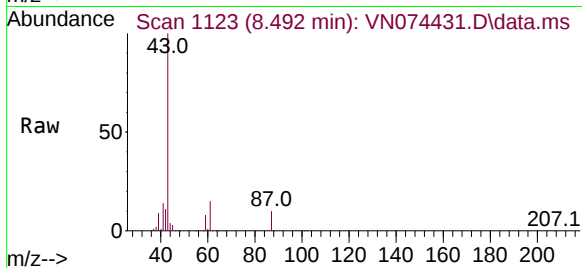
Tgt Ion: 43 Resp: 282569

Ion Ratio Lower Upper

43 100

61 16.9 18.6 27.8#

87 11.1 9.4 14.2



#48

Methyl methacrylate

Concen: 1.629 ug/l

RT: 9.498 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

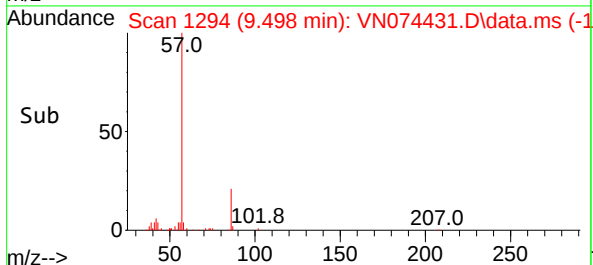
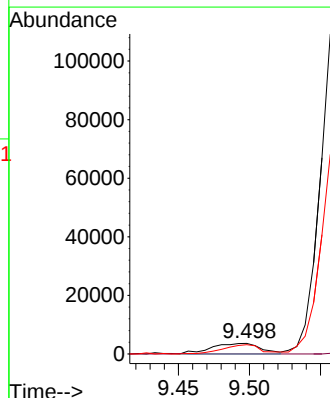
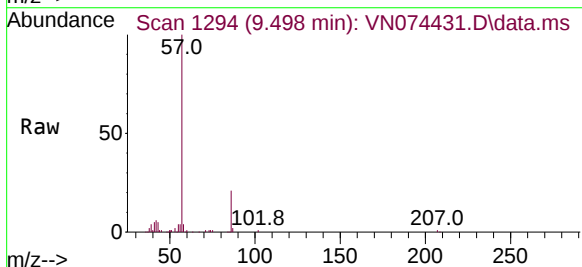
Tgt Ion: 41 Resp: 8810

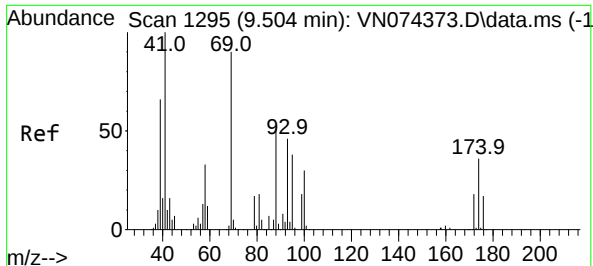
Ion Ratio Lower Upper

41 100

69 0.0 67.6 101.4#

39 67.3 58.2 87.4

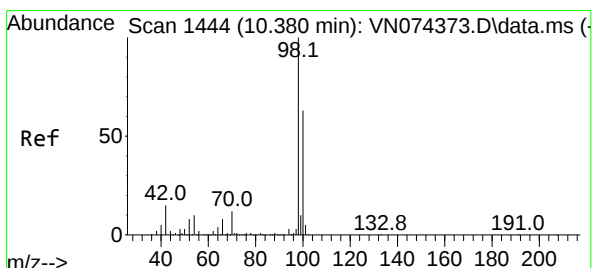
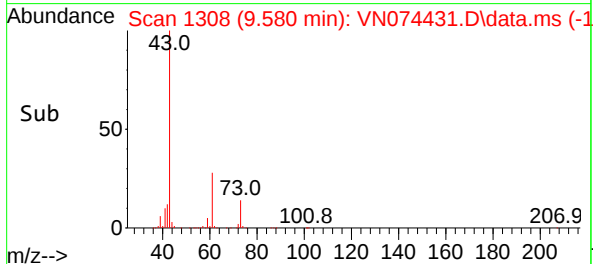
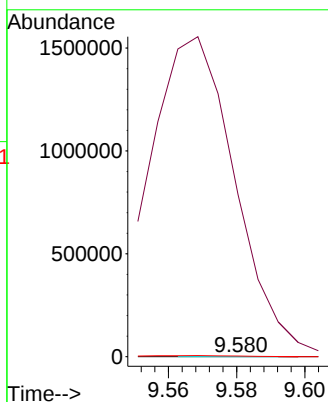
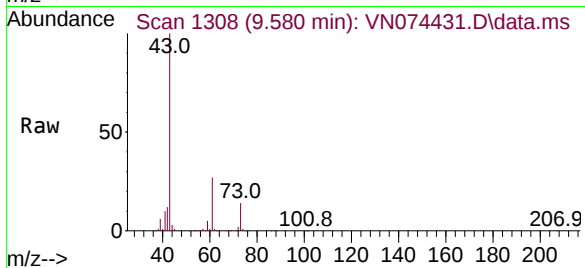




#49
1,4-Dioxane
Concen: 2.229 ug/l
RT: 9.580 min Scan# 11
Delta R.T. 0.076 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

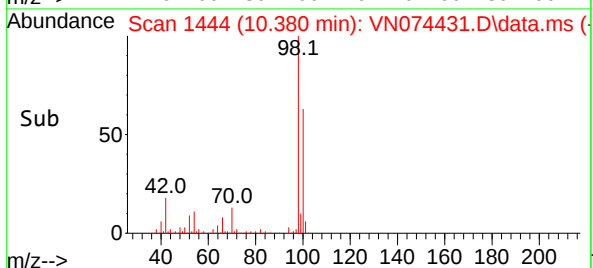
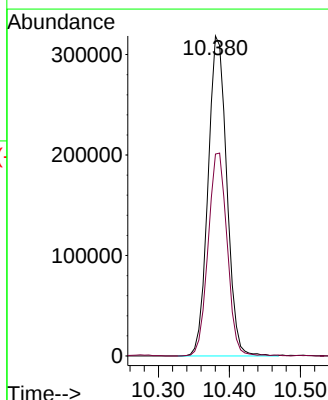
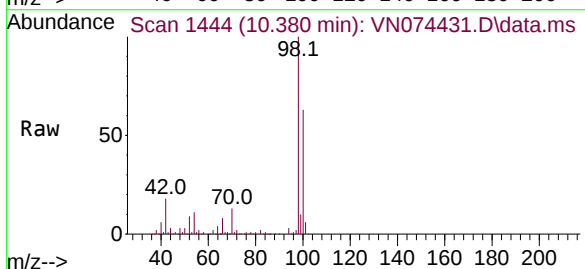
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

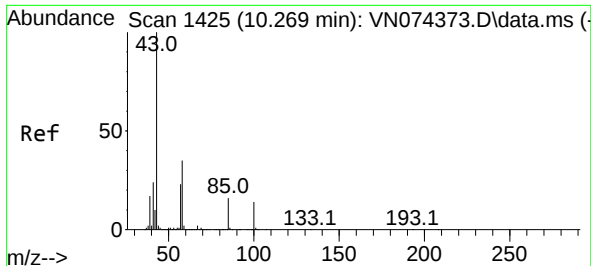
Tgt Ion: 88 Resp: 254
Ion Ratio Lower Upper
88 100
43 1117186.6 26.9 40.3#
58 4063.0 52.7 79.1#



#50
Toluene-d8
Concen: 47.683 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 98 Resp: 583403
Ion Ratio Lower Upper
98 100
100 64.2 50.6 76.0





#51

4-Methyl-2-Pentanone

Concen: 2.616 ug/l

RT: 10.274 min Scan# 1425

Delta R.T. 0.006 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

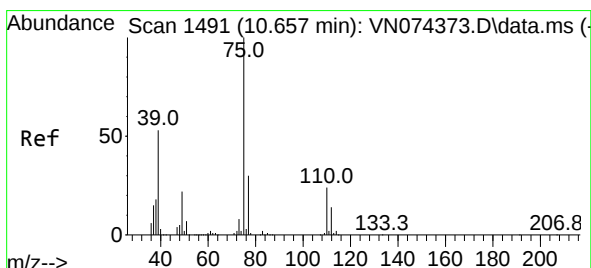
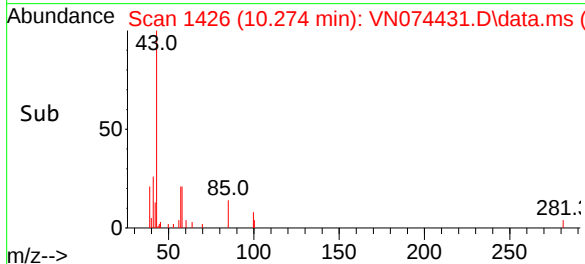
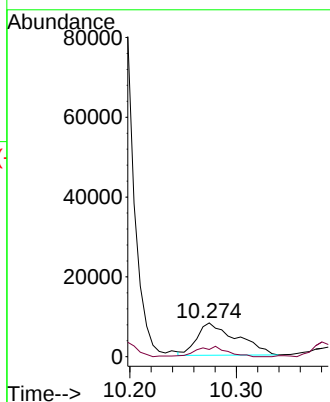
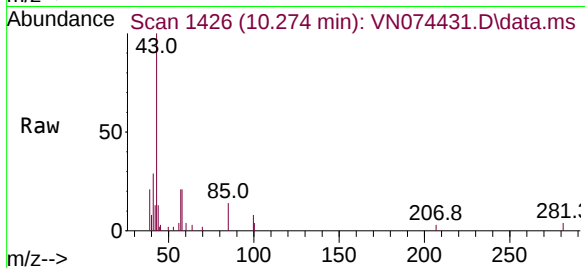
TB01-083122

Tgt Ion: 43 Resp: 20997

Ion Ratio Lower Upper

43 100

58 24.4 29.0 43.6#



#53

t-1,3-Dichloropropene

Concen: 0.294 ug/l

RT: 10.551 min Scan# 1473

Delta R.T. -0.106 min

Lab File: VN074431.D

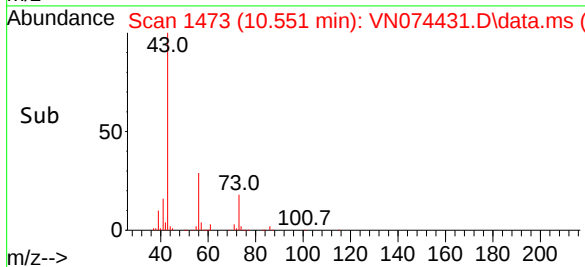
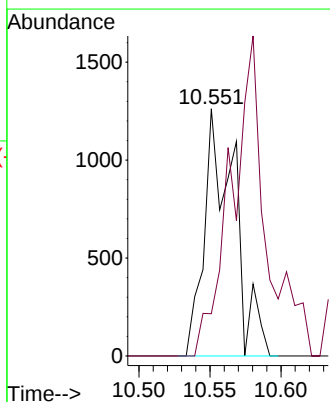
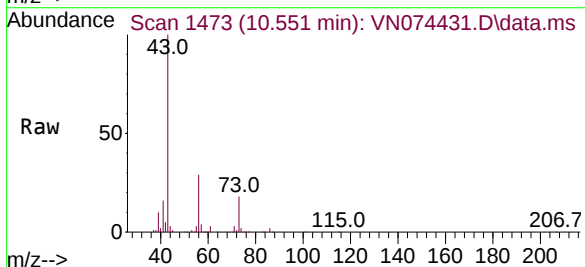
Acq: 13 Sep 2022 01:24

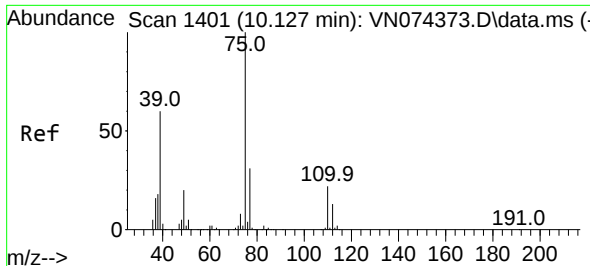
Tgt Ion: 75 Resp: 1863

Ion Ratio Lower Upper

75 100

77 17.1 23.9 35.9#

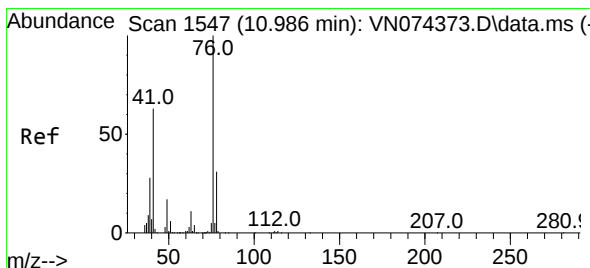
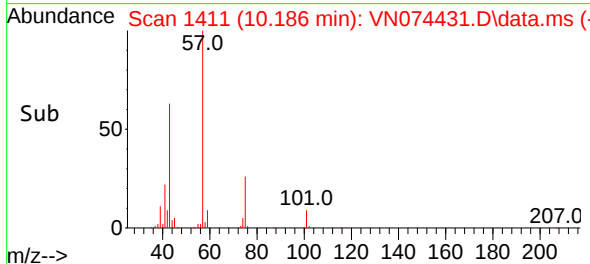
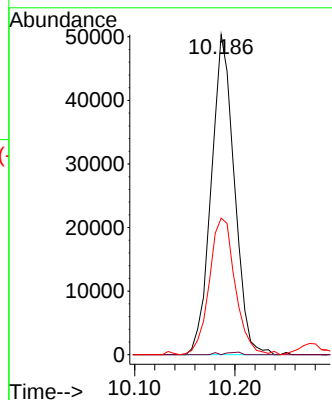
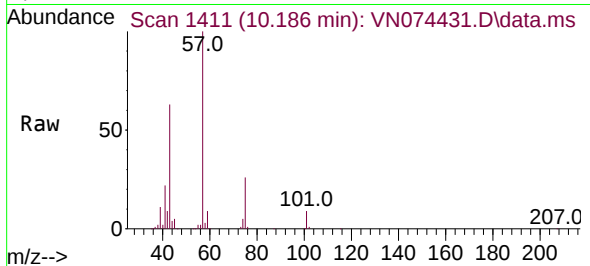




#54
 cis-1,3-Dichloropropene
 Concen: 11.938 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.059 min
 Lab File: VN074431.D
 Acq: 13 Sep 2022 01:24

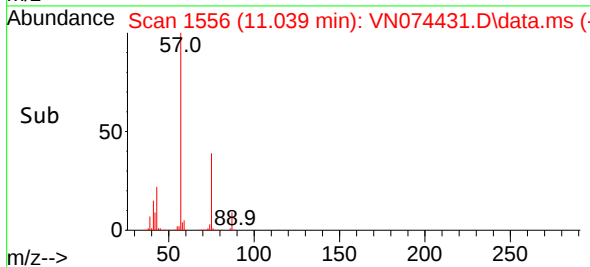
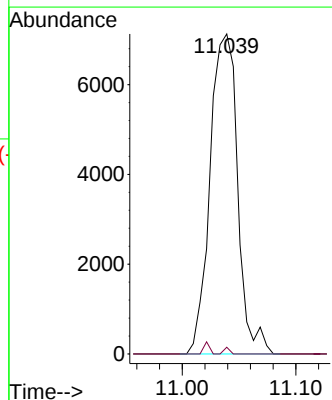
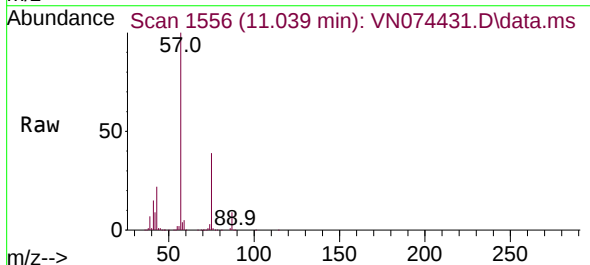
Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-083122

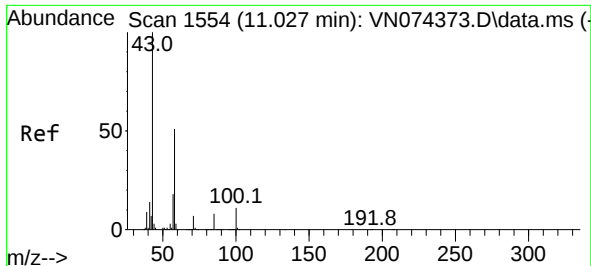
Tgt Ion: 75 Resp: 80560
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.5 36.7#
 39 42.7 48.0 72.0#



#57
 1,3-Dichloropropane
 Concen: 1.706 ug/l
 RT: 11.039 min Scan# 1556
 Delta R.T. 0.053 min
 Lab File: VN074431.D
 Acq: 13 Sep 2022 01:24

Tgt Ion: 76 Resp: 12040
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.0 37.4#

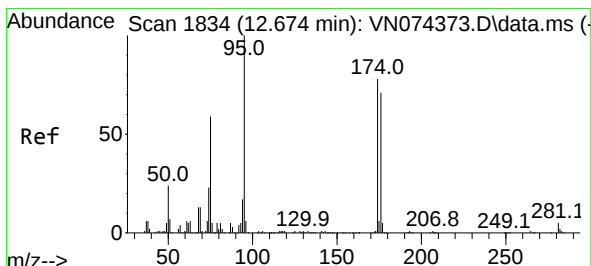
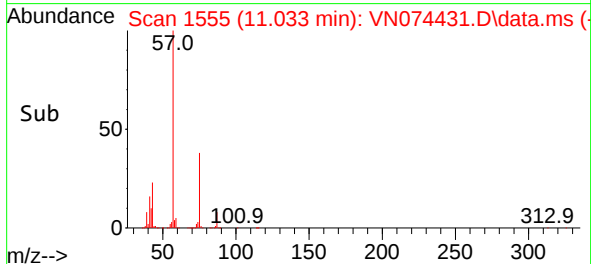
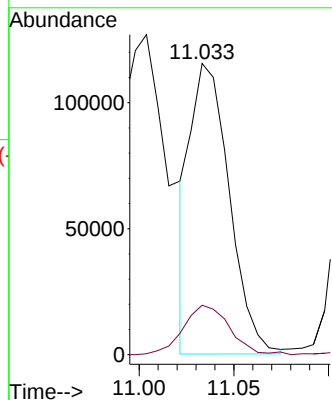
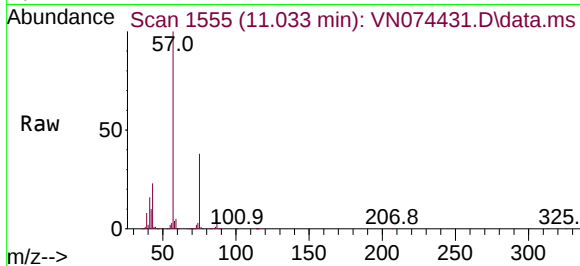




#59
2-Hexanone
Concen: 26.737 ug/l
RT: 11.033 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

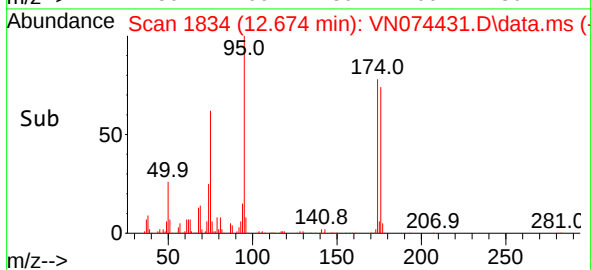
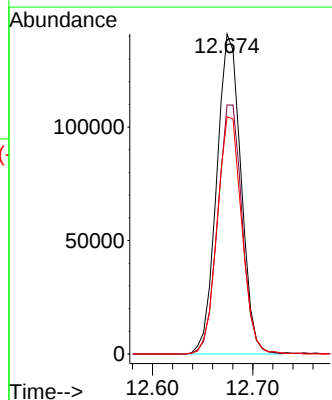
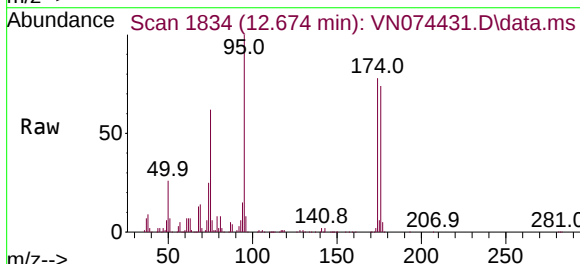
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

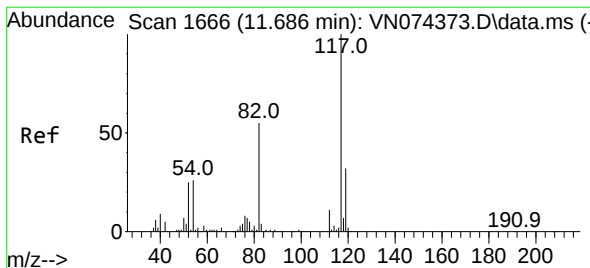
Tgt Ion: 43 Resp: 165588
Ion Ratio Lower Upper
43 100
58 20.3 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 53.369 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 95 Resp: 237068
Ion Ratio Lower Upper
95 100
174 78.1 0.0 150.6
176 75.3 0.0 143.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

Instrument :

MSVOA_N

ClientSampleId :

TB01-083122

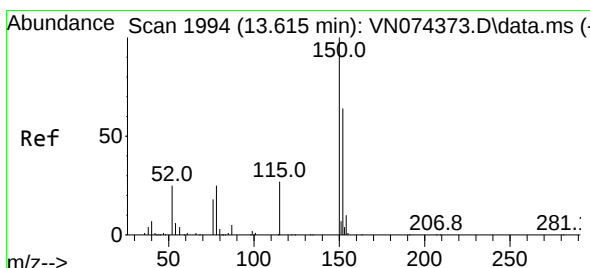
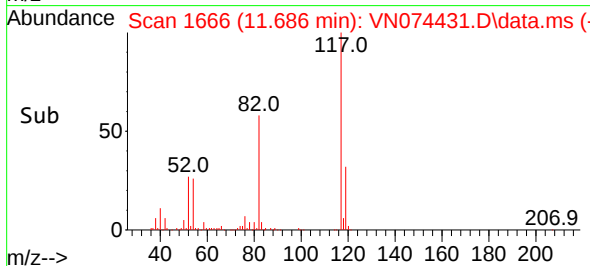
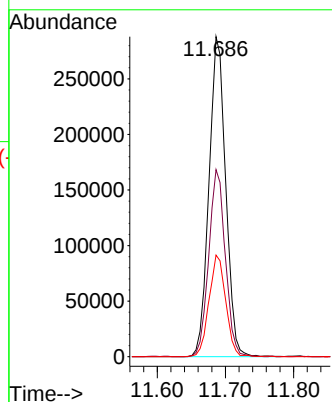
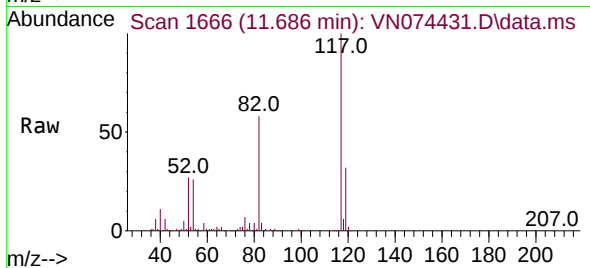
Tgt Ion:117 Resp: 491769

Ion Ratio Lower Upper

117 100

82 58.4 44.3 66.5

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.621 min Scan# 1995

Delta R.T. 0.006 min

Lab File: VN074431.D

Acq: 13 Sep 2022 01:24

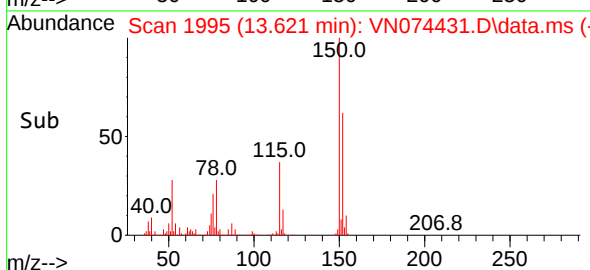
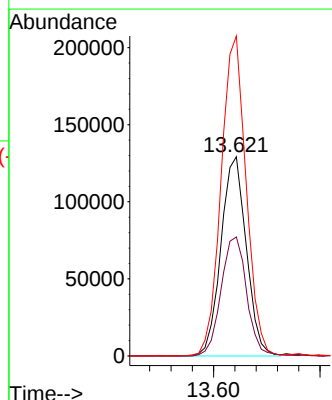
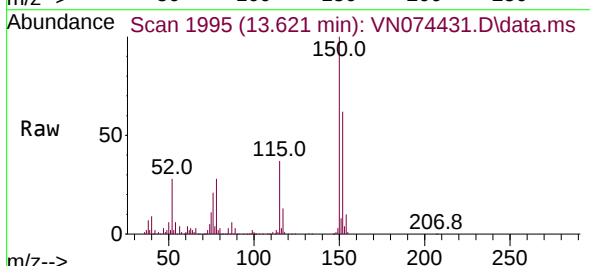
Tgt Ion:152 Resp: 213529

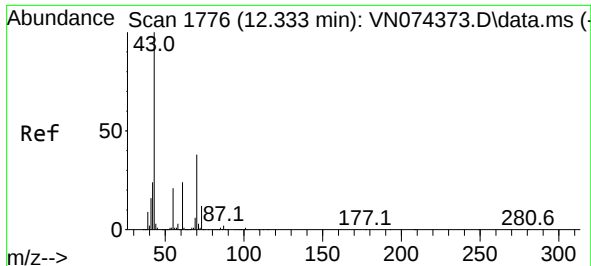
Ion Ratio Lower Upper

152 100

115 60.2 32.0 96.0

150 158.3 0.0 359.6

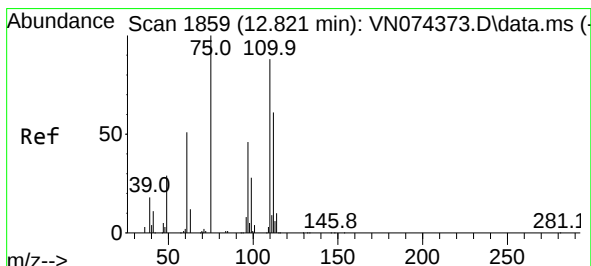
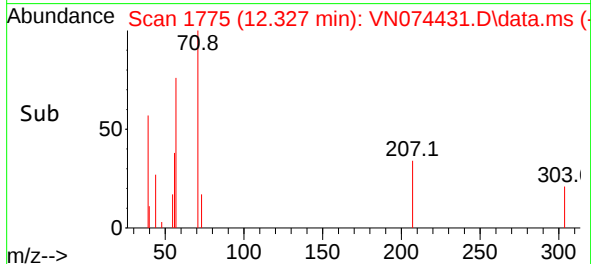
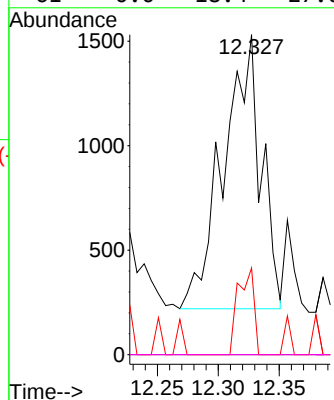
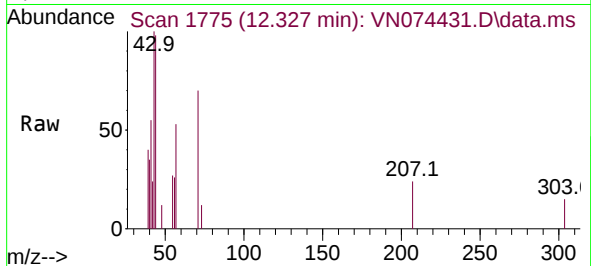




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

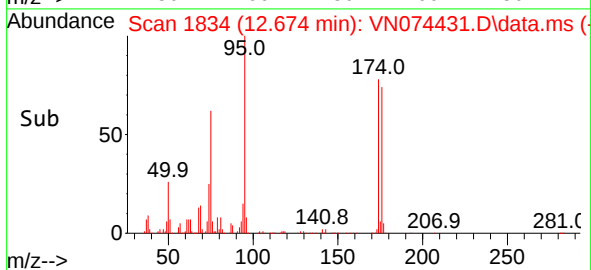
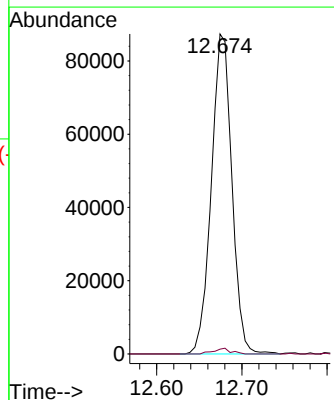
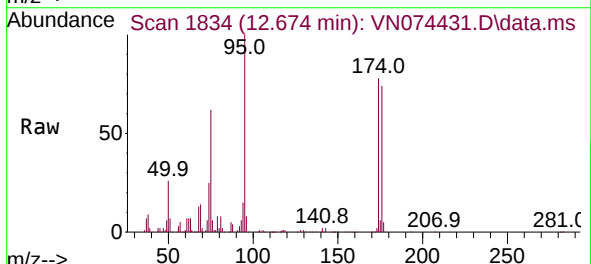
Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

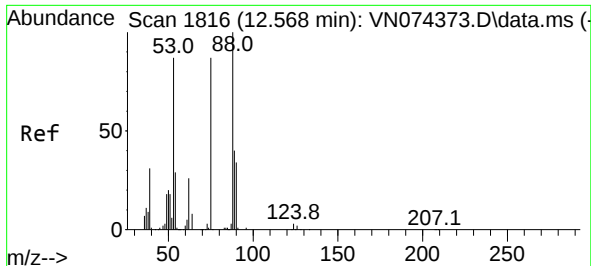
Tgt Ion: 43 Resp: 2810
Ion Ratio Lower Upper
43 100
70 0.0 31.4 47.0#
55 13.4 17.0 25.6#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 26.197 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 75 Resp: 146233
Ion Ratio Lower Upper
75 100
77 1.5 78.9 236.7#

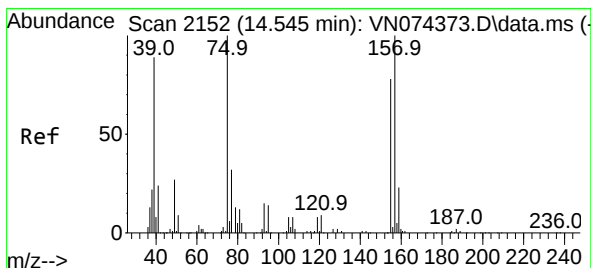
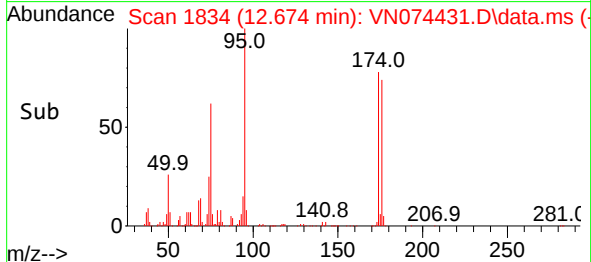
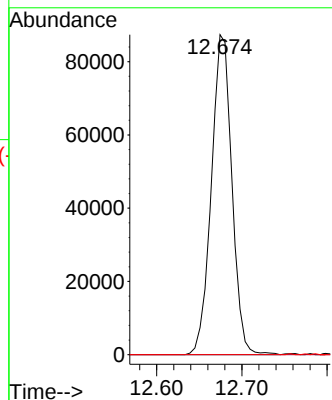
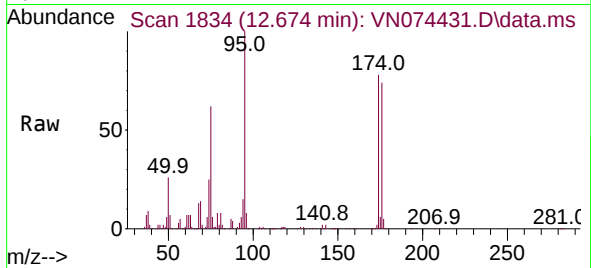




#81
trans-1,4-Dichloro-2-butene
Concen: 58.393 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Instrument :
MSVOA_N
ClientSampleId :
TB01-083122

Tgt Ion: 75 Resp: 146233
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.515 min Scan# 2147
Delta R.T. -0.030 min
Lab File: VN074431.D
Acq: 13 Sep 2022 01:24

Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 46.2 138.5#

