

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074189.D
 Acq On : 31 Aug 2022 01:22
 Operator : JC\MD
 Sample : PB147340ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB147340ZHE#08

Quant Time: Aug 31 07:06:39 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)

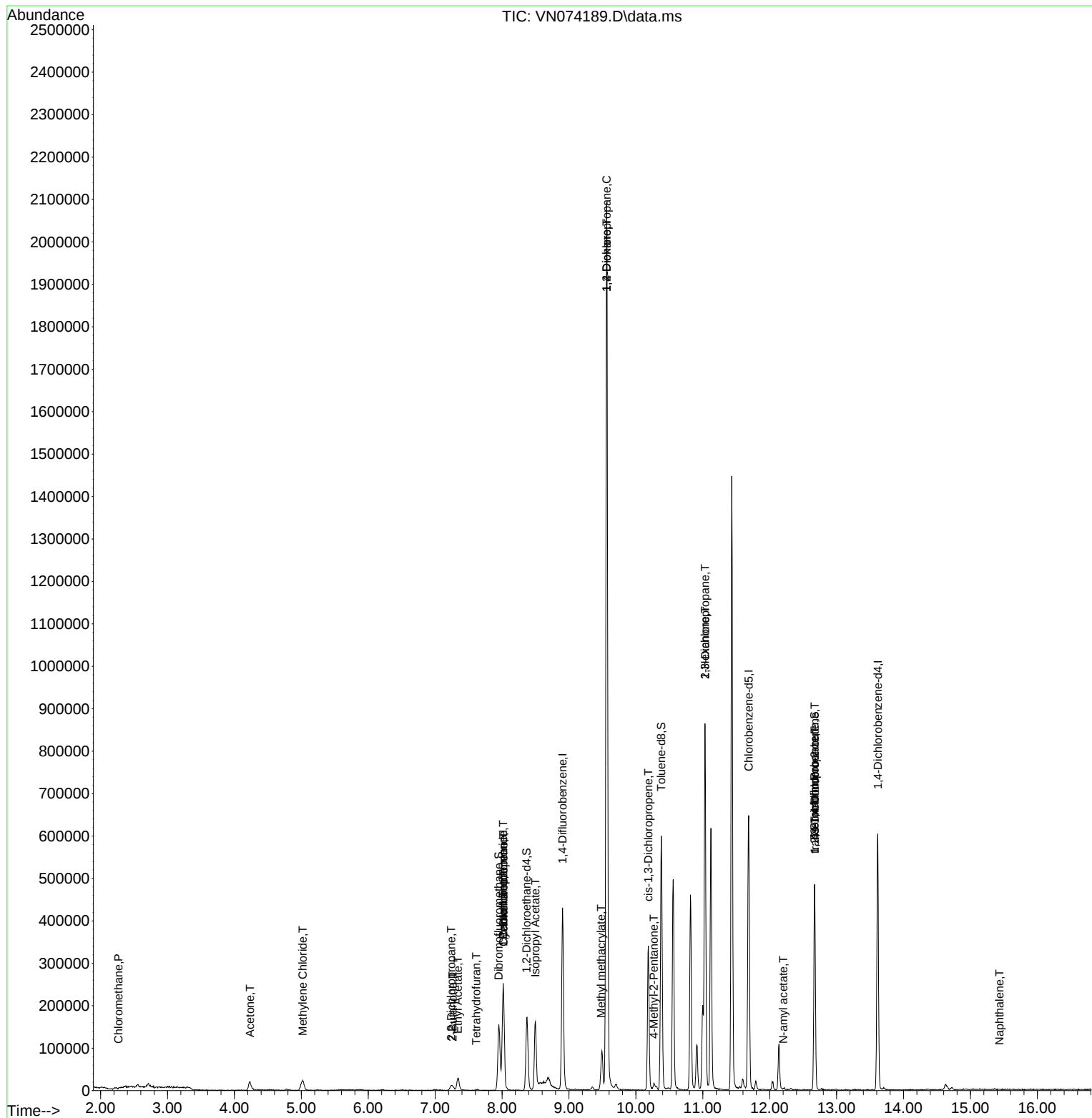
Internal Standards						
1) Pentafluorobenzene	8.016	168	172979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	333726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	350037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	147983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	132959	49.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.100%		
35) Dibromofluoromethane	7.951	113	110366	50.822	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.640%		
50) Toluene-d8	10.380	98	390225	45.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.260%		
62) 4-Bromofluorobenzene	12.668	95	146589	56.364	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	112.720%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	583	0.231	ug/l #	87
6) Chloroethane	2.945	64	330	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	183	Below Cal	#	72
16) Acetone	4.234	43	38192	21.300	ug/l #	85
18) Methyl Acetate	4.781	43	6162	Below Cal	#	74
20) Methylene Chloride	5.022	84	17413	5.267	ug/l	84
25) 2-Butanone	7.263	43	8287	2.889	ug/l	98
26) 2,2-Dichloropropane	7.239	77	879	0.566	ug/l #	53
29) Tetrahydrofuran	7.616	42	926	0.507	ug/l #	56
31) Cyclohexane	8.022	56	5365	1.210	ug/l #	38
36) 1,1-Dichloropropene	8.022	75	18025	5.116	ug/l #	44
37) Ethyl Acetate	7.339	43	46611	7.910	ug/l	97
38) Carbon Tetrachloride	8.016	117	19462	6.082	ug/l #	15
43) Isopropyl Acetate	8.498	43	197492	24.931	ug/l #	82
45) 1,2-Dichloropropane	9.563	63	2946	0.986	ug/l #	44
48) Methyl methacrylate	9.480	41	6984	1.856	ug/l #	10
49) 1,4-Dioxane	9.563	88	62	0.764	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9314	1.620	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	53847	12.975	ug/l #	76
57) 1,3-Dichloropropane	11.033	76	8998	1.836	ug/l #	42
59) 2-Hexanone	11.033	43	129824	29.756	ug/l #	46
71) Bromoform	12.668	173	2078	0.876	ug/l #	28
74) N-amyl acetate	12.204	43	1497	0.209	ug/l #	47
76) 1,2,3-Trichloropropane	12.674	75	85284	23.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	85284	59.820	ug/l #	10
95) Naphthalene	15.433	128	449	1.190	ug/l #	69

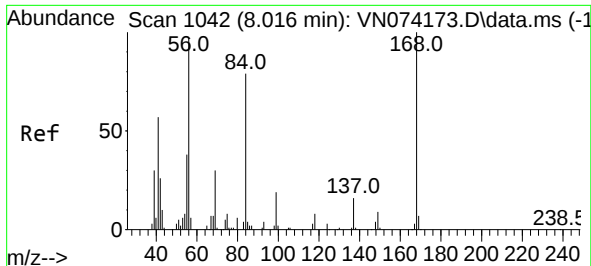
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
Data File : VN074189.D
Acq On : 31 Aug 2022 01:22
Operator : JC\MD
Sample : PB147340ZHE#08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

Quant Time: Aug 31 07:06:39 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

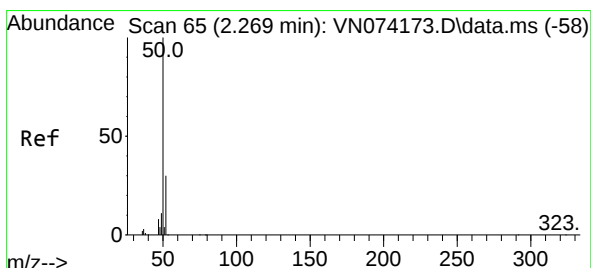
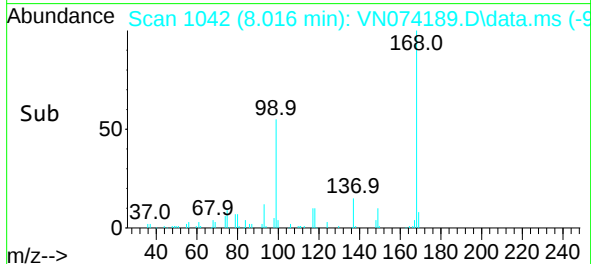
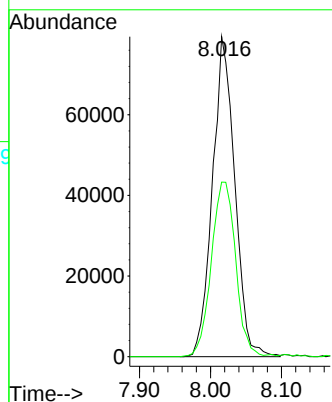
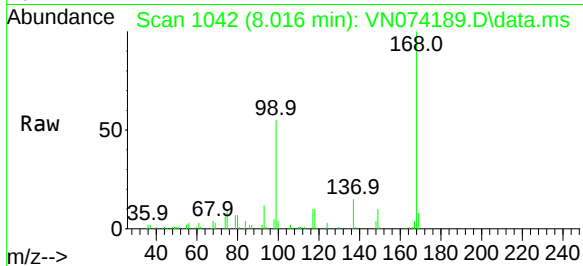




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

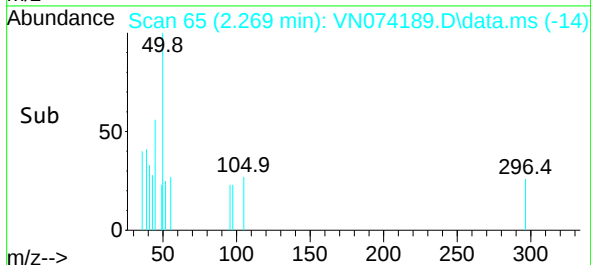
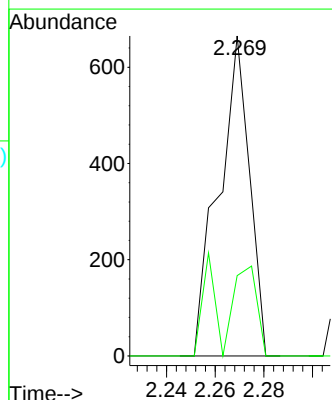
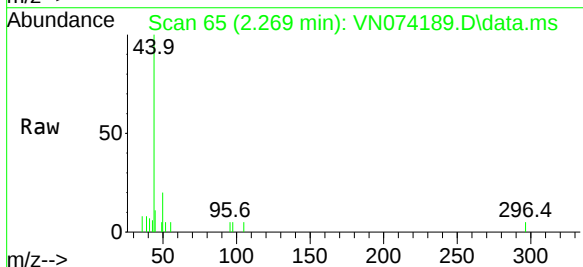
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

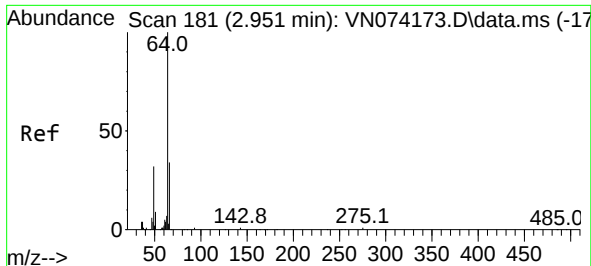
Tgt Ion:168 Resp: 172979
Ion Ratio Lower Upper
168 100
99 54.6 42.3 63.5



#3
Chloromethane
Concen: 0.231 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 25.1 25.7 38.5#

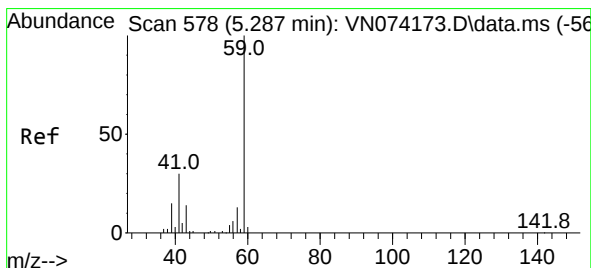
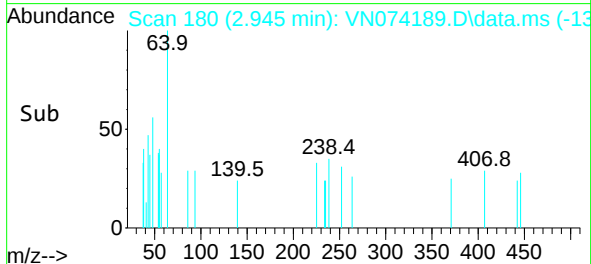
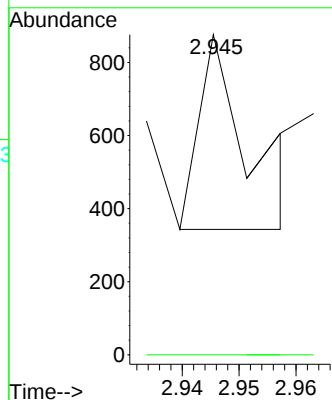
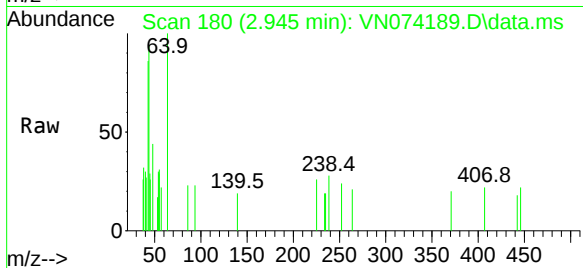




#6
Chloroethane
Concen: Below Cal
RT: 2.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

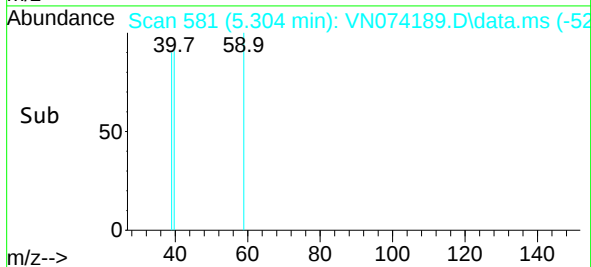
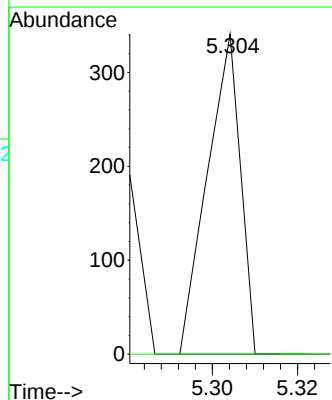
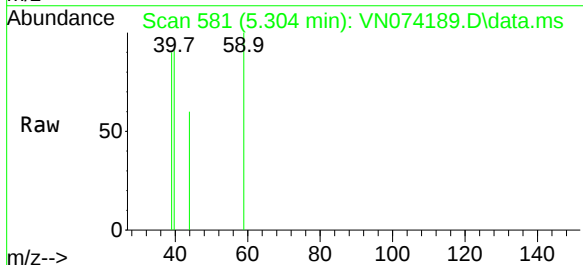
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

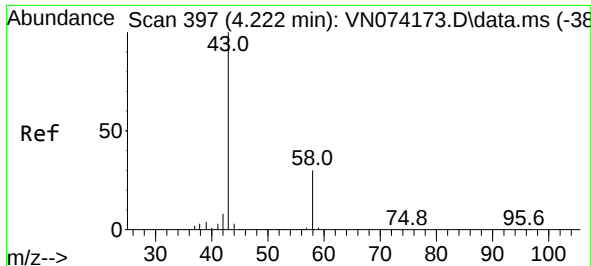
Tgt Ion: 64 Resp: 330
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.304 min Scan# 581
Delta R.T. 0.017 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 59 Resp: 183
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 21.300 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

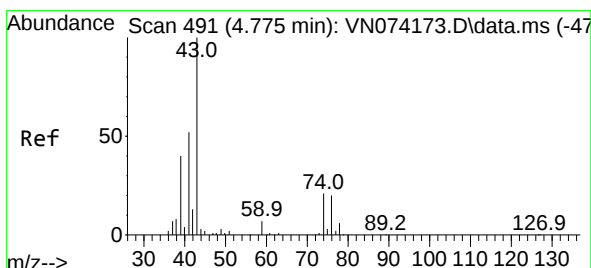
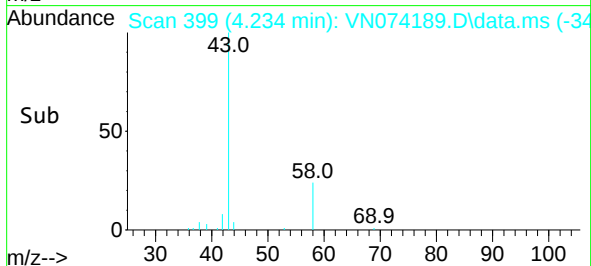
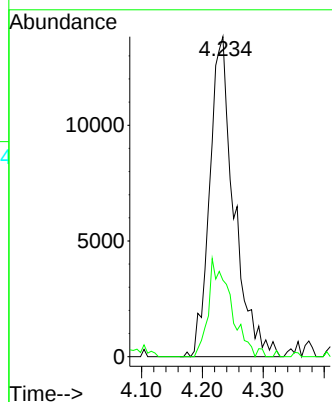
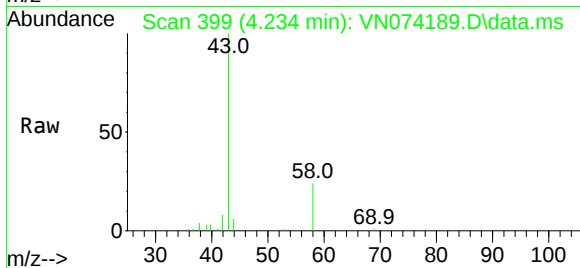
PB147340ZHE#08

Tgt Ion: 43 Resp: 38192

Ion Ratio Lower Upper

43 100

58 23.9 26.0 39.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.781 min Scan# 492

Delta R.T. 0.006 min

Lab File: VN074189.D

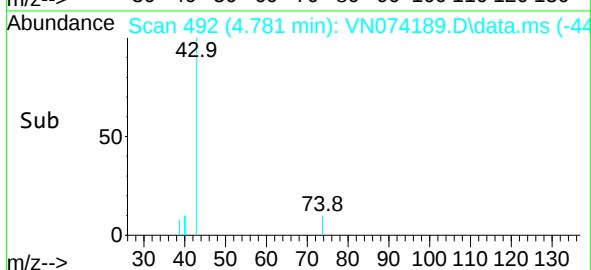
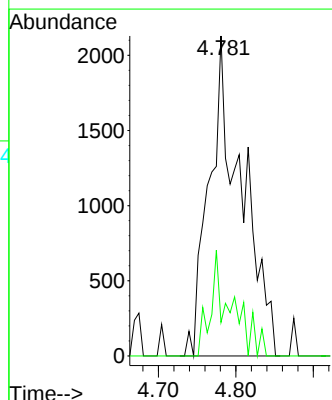
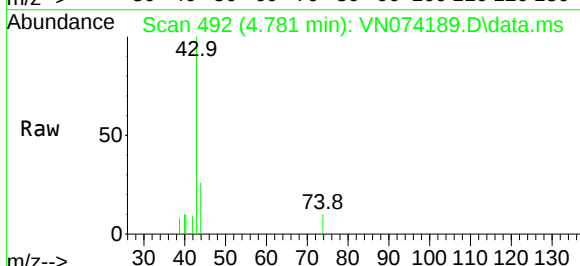
Acq: 31 Aug 2022 01:22

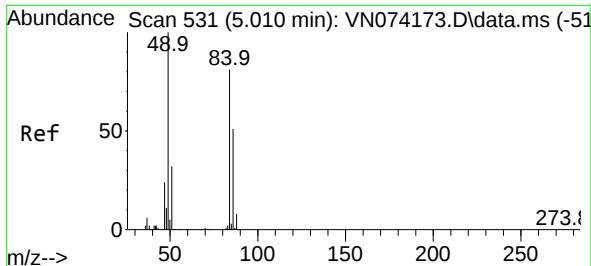
Tgt Ion: 43 Resp: 6162

Ion Ratio Lower Upper

43 100

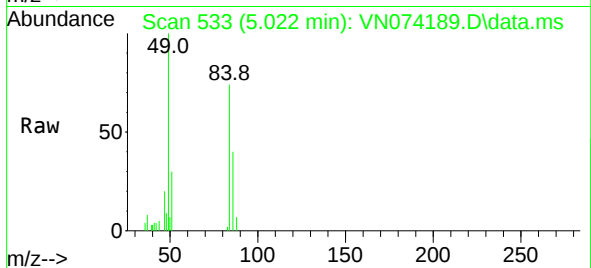
74 13.3 21.6 32.4#



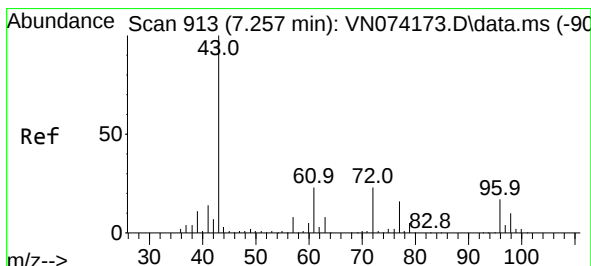
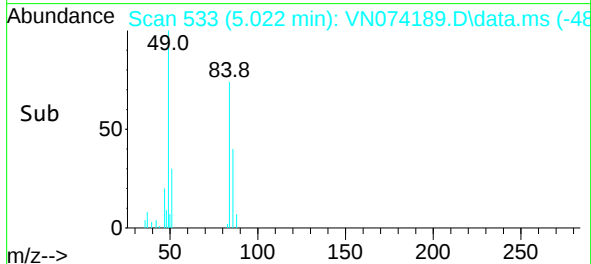
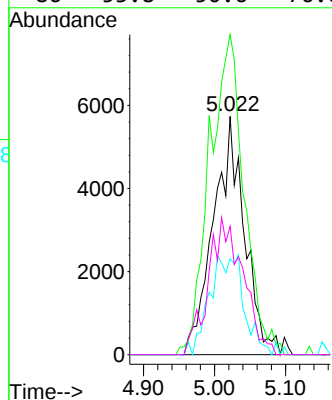


#20
Methylene Chloride
Concen: 5.267 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

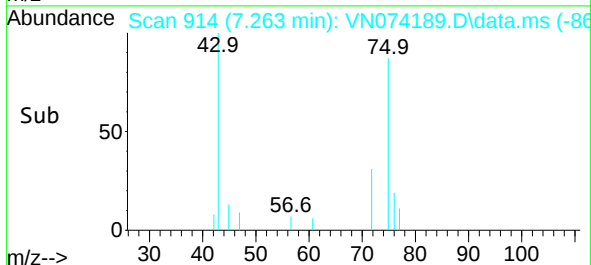
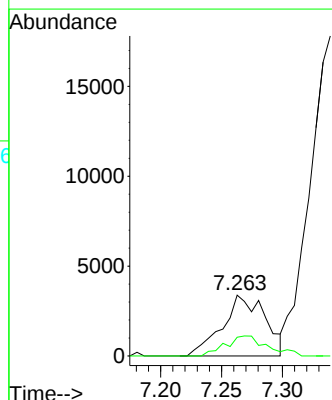
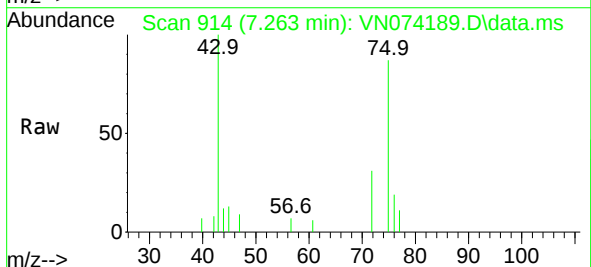


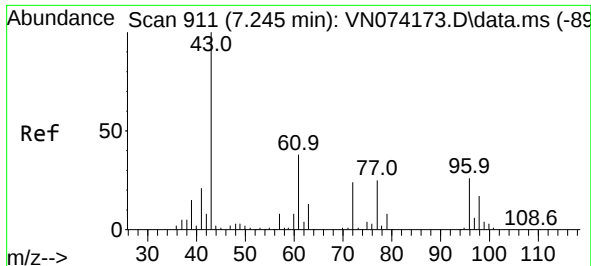
Tgt Ion: 84 Resp: 17413
Ion Ratio Lower Upper
84 100
49 131.2 88.3 132.5
51 40.3 28.2 42.2
86 53.8 50.6 76.0



#25
2-Butanone
Concen: 2.889 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 43 Resp: 8287
Ion Ratio Lower Upper
43 100
72 30.8 23.7 35.5

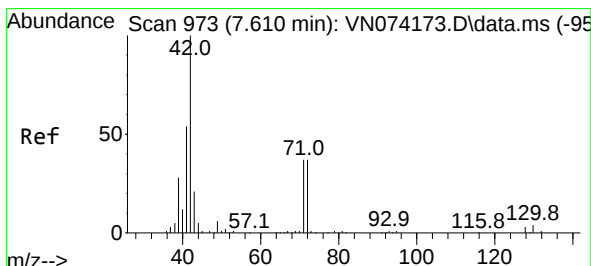
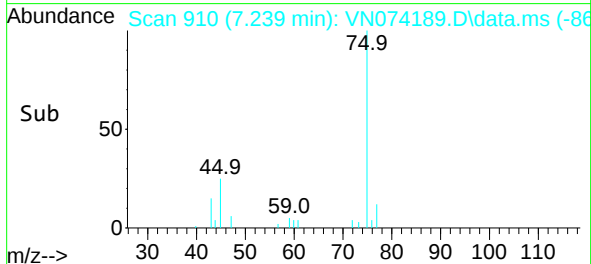
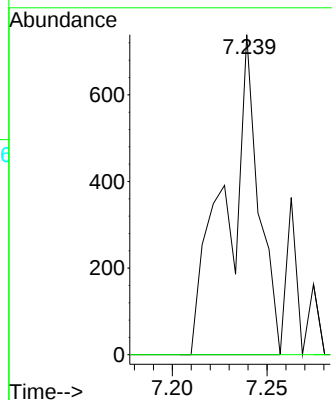
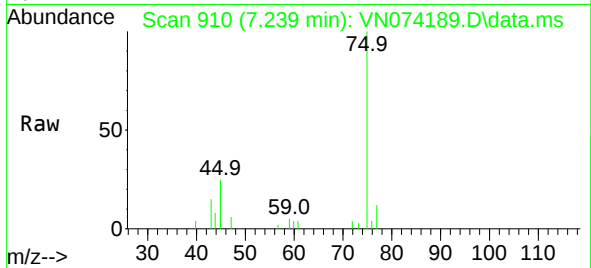




#26
2,2-Dichloropropane
Concen: 0.566 ug/l
RT: 7.239 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

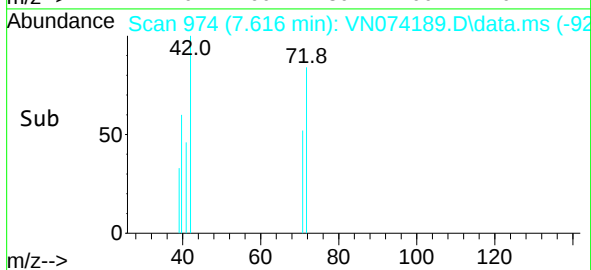
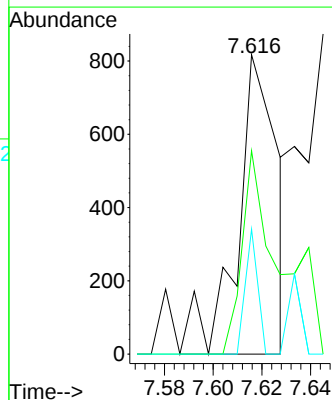
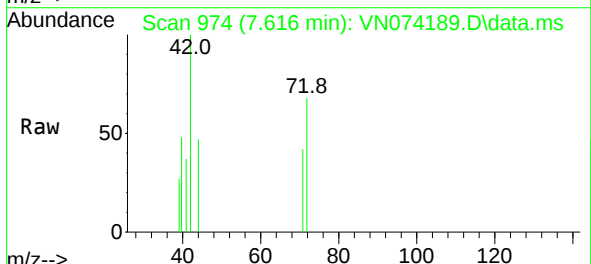
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

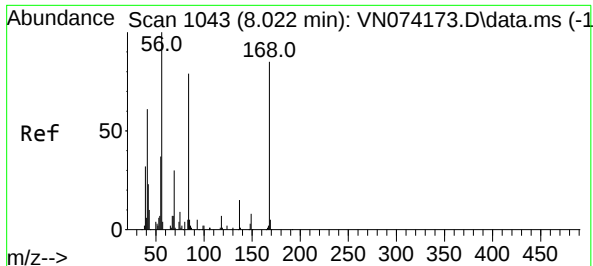
Tgt Ion: 77 Resp: 879
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.507 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 42 Resp: 926
Ion Ratio Lower Upper
42 100
72 76.3 39.7 59.5#
71 13.0 36.6 55.0#

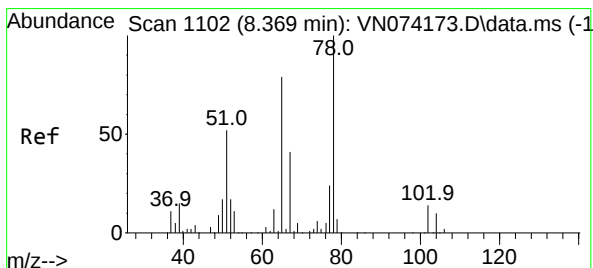
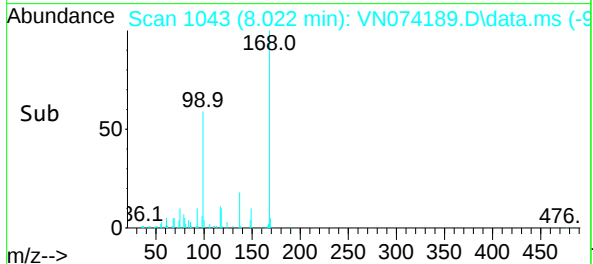
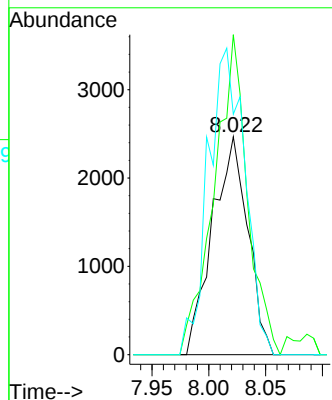
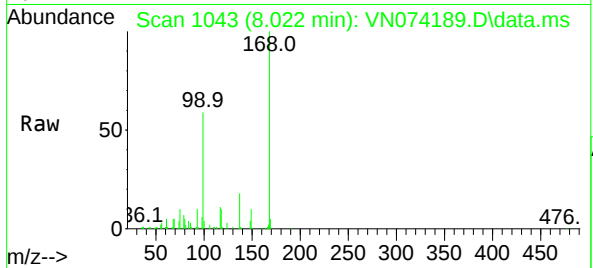




#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

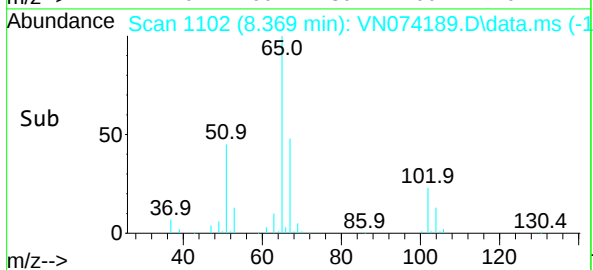
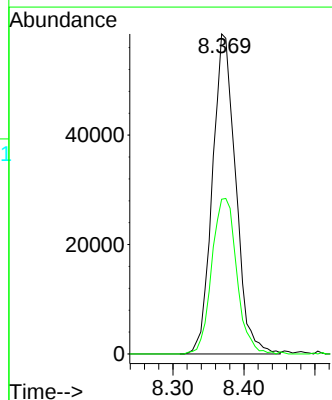
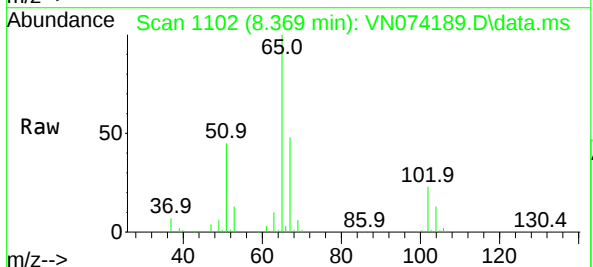
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

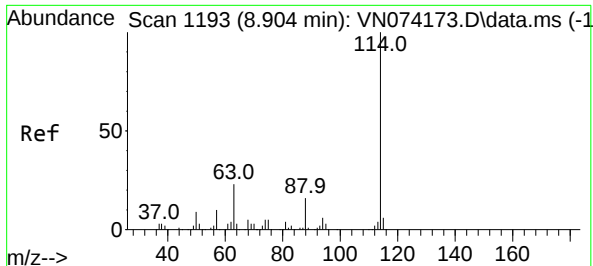
Tgt Ion: 56 Resp: 5365
Ion Ratio Lower Upper
56 100
69 146.9 27.8 41.8#
84 110.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 49.550 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 65 Resp: 132959
Ion Ratio Lower Upper
65 100
67 52.1 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: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#08

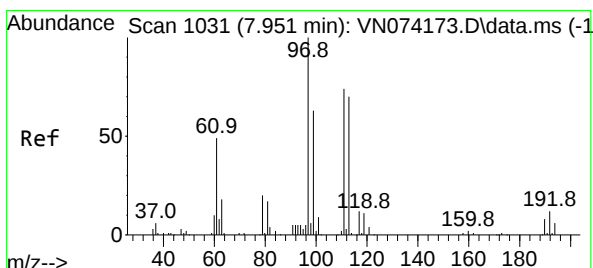
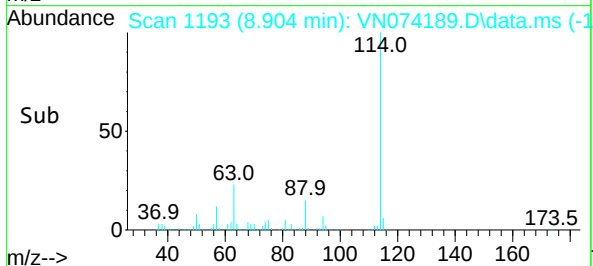
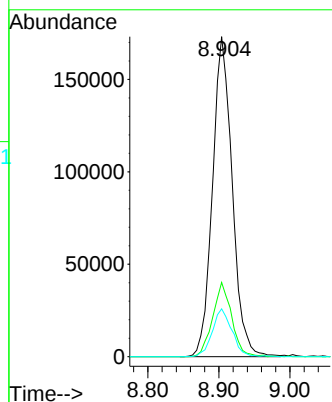
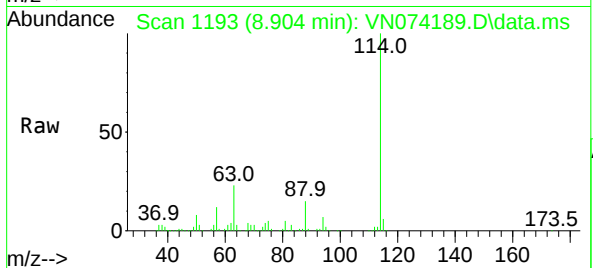
Tgt Ion:114 Resp: 333726

Ion Ratio Lower Upper

114 100

63 23.2 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.822 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

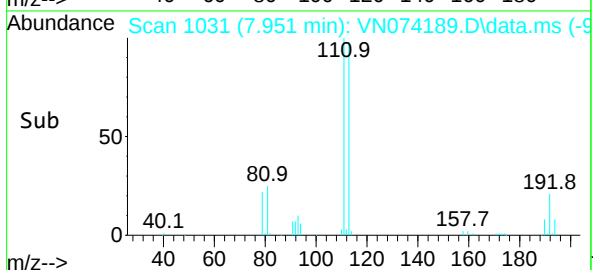
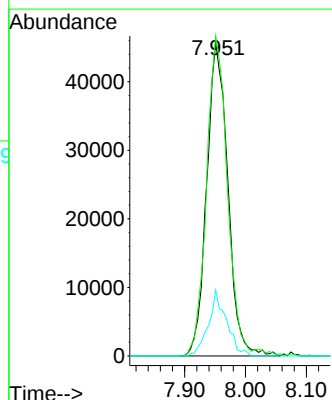
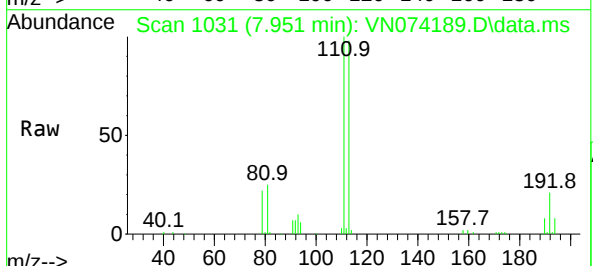
Tgt Ion:113 Resp: 110366

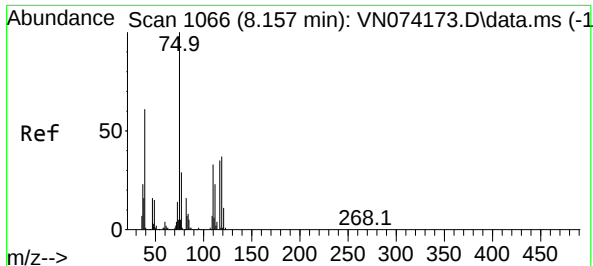
Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 17.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.116 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#08

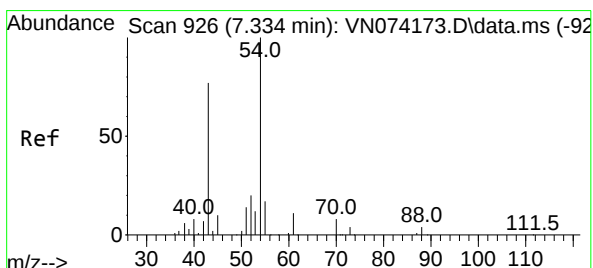
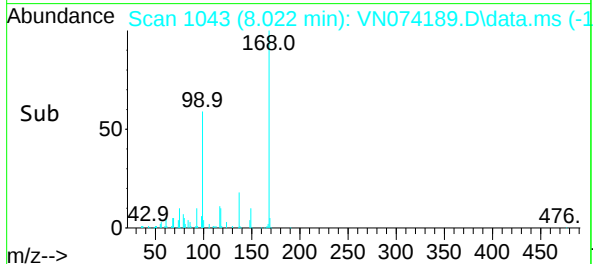
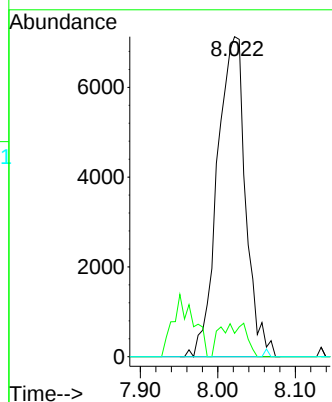
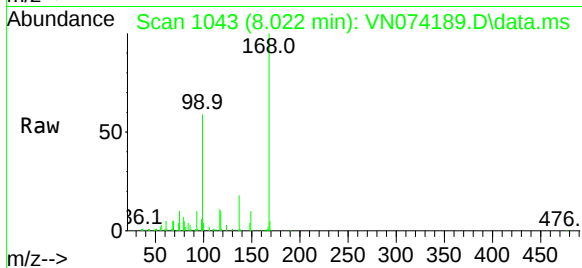
Tgt Ion: 75 Resp: 18025

Ion Ratio Lower Upper

75 100

110 3.5 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 7.910 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.006 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

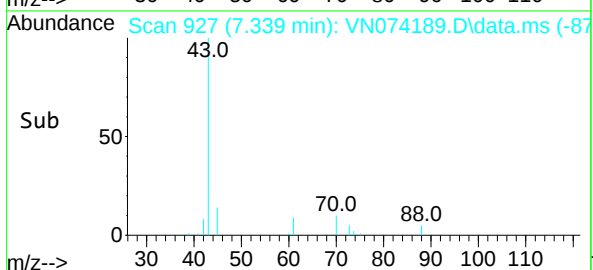
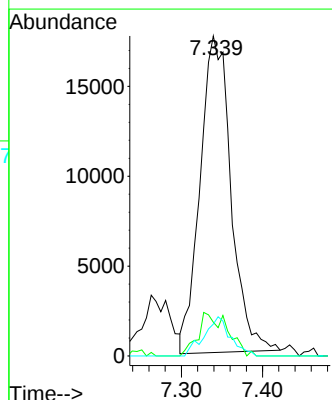
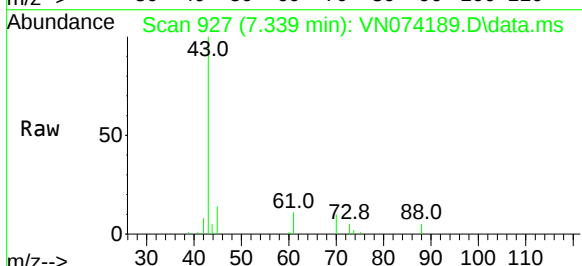
Tgt Ion: 43 Resp: 46611

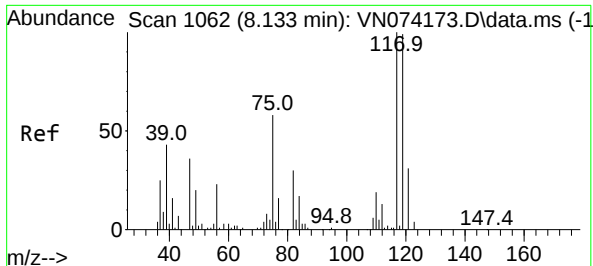
Ion Ratio Lower Upper

43 100

61 13.1 11.8 17.6

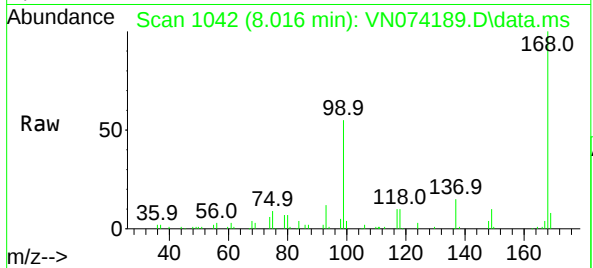
70 10.6 9.3 13.9



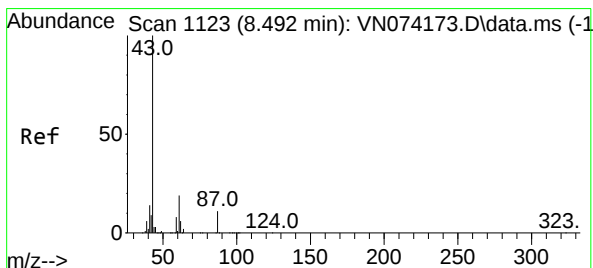
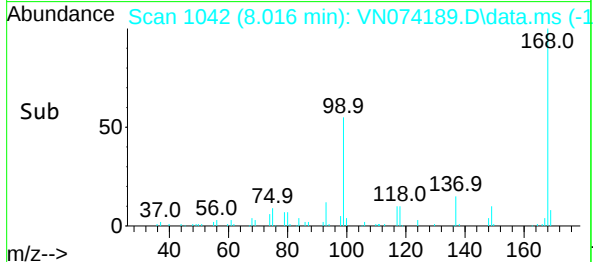
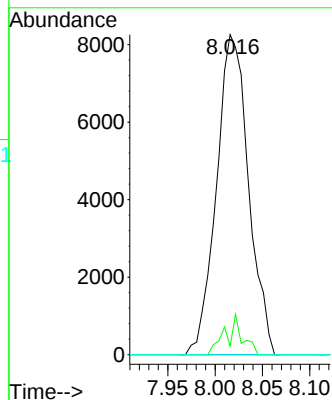


#38
Carbon Tetrachloride
Concen: 6.082 ug/l
RT: 8.016 min Scan# 110
Delta R.T. -0.117 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

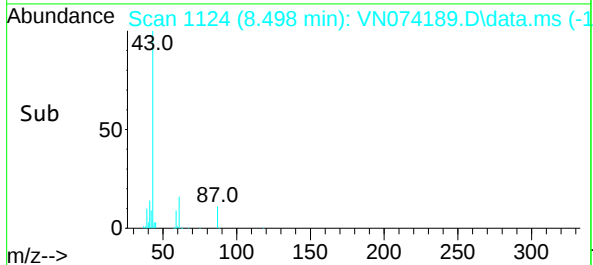
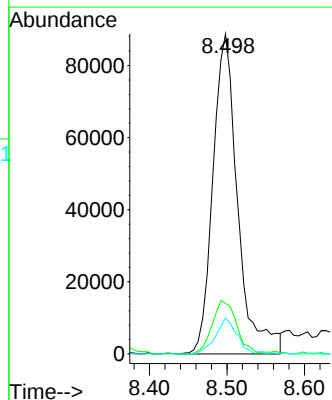
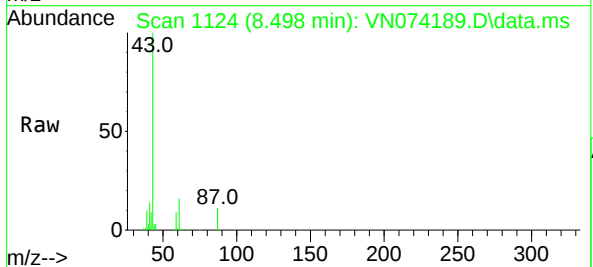


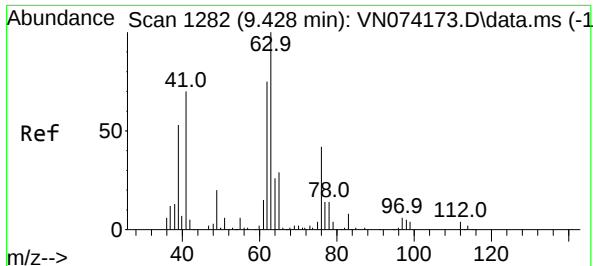
Tgt Ion:117 Resp: 19462
Ion Ratio Lower Upper
117 100
119 2.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 24.931 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 43 Resp: 197492
Ion Ratio Lower Upper
43 100
61 16.5 21.9 32.9#
87 9.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.986 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.135 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

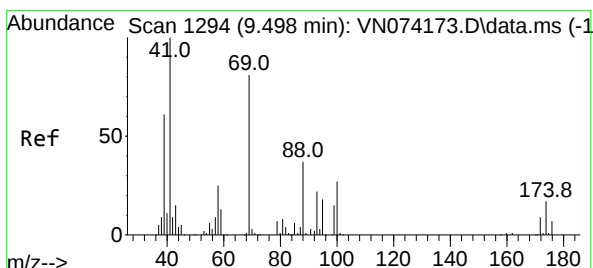
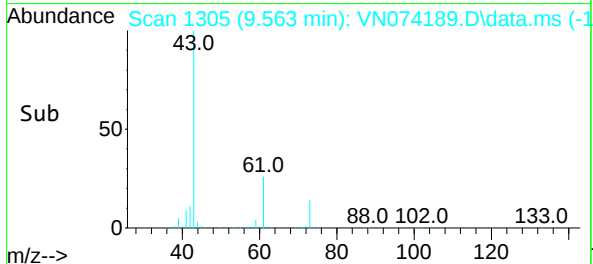
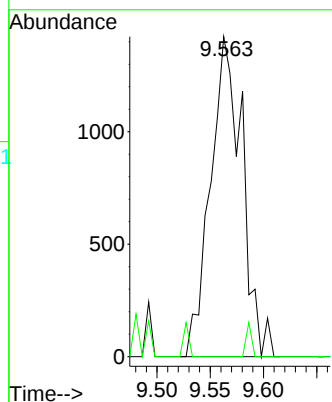
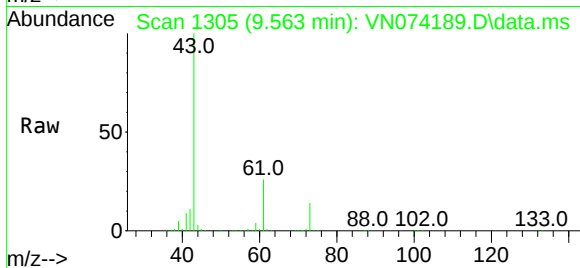
PB147340ZHE#08

Tgt Ion: 63 Resp: 2946

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.856 ug/l

RT: 9.480 min Scan# 1291

Delta R.T. -0.018 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

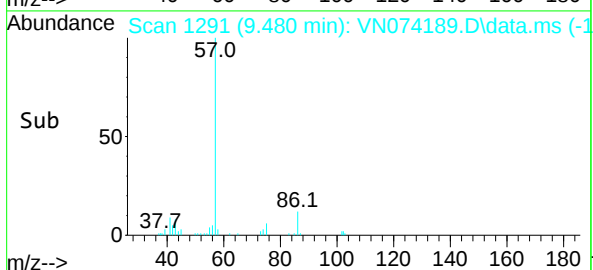
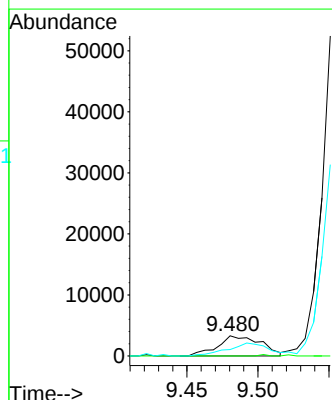
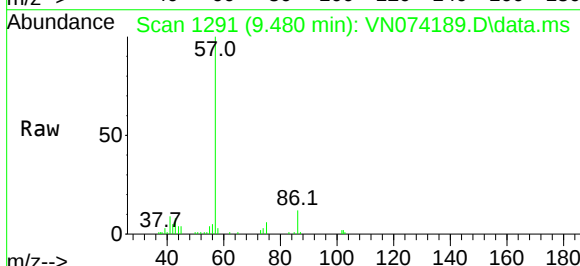
Tgt Ion: 41 Resp: 6984

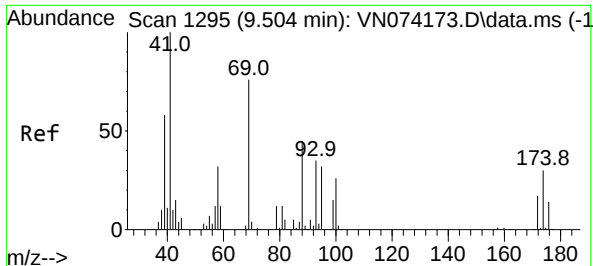
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#





#49

1,4-Dioxane

Concen: 0.764 ug/l

RT: 9.563 min Scan# 11

Delta R.T. 0.059 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

PB147340ZHE#08

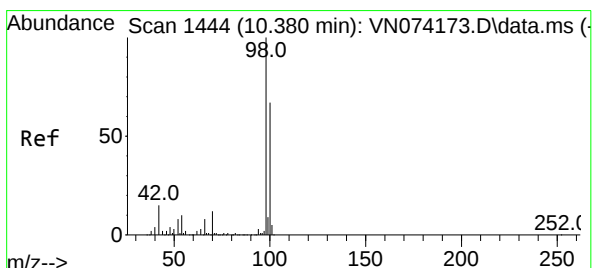
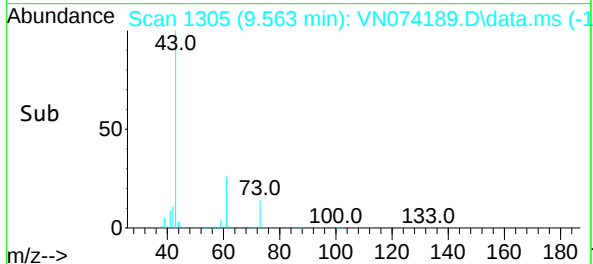
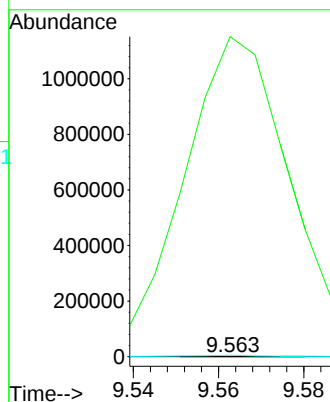
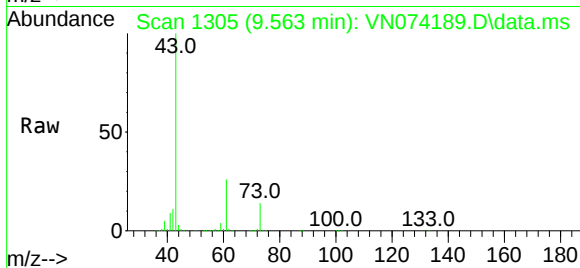
Tgt Ion: 88 Resp: 62

Ion Ratio Lower Upper

88 100

43 3342941.9 20.2 30.4#

58 13911.3 54.2 81.4#



#50

Toluene-d8

Concen: 45.629 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN074189.D

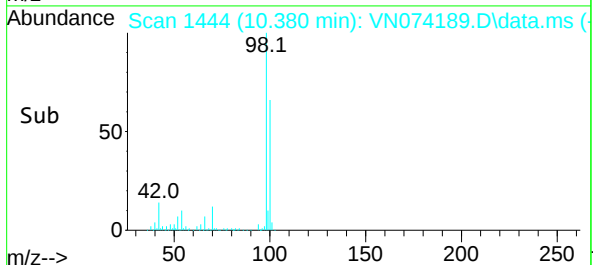
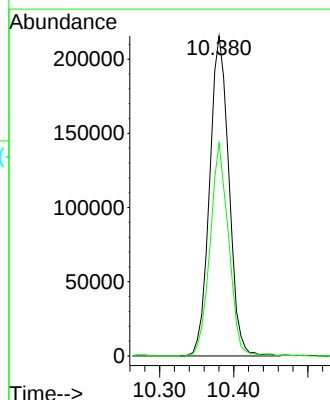
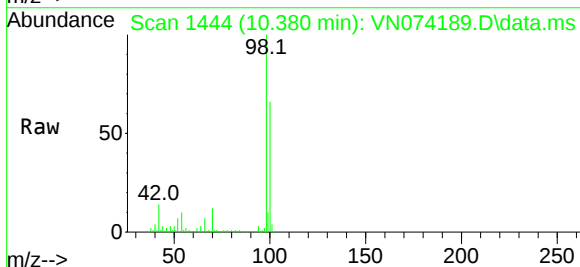
Acq: 31 Aug 2022 01:22

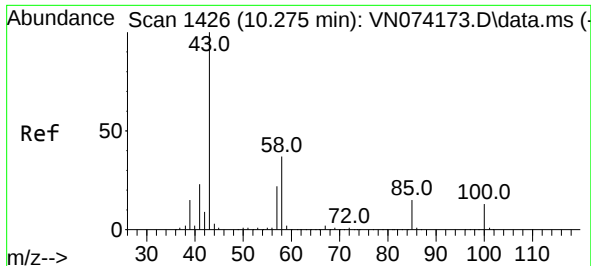
Tgt Ion: 98 Resp: 390225

Ion Ratio Lower Upper

98 100

100 63.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.620 ug/l

RT: 10.269 min Scan# 1410

Delta R.T. -0.006 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

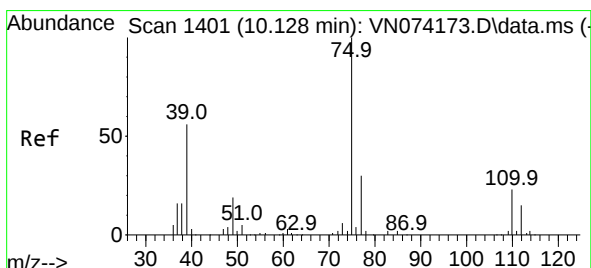
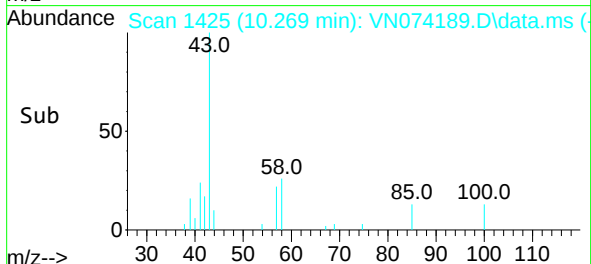
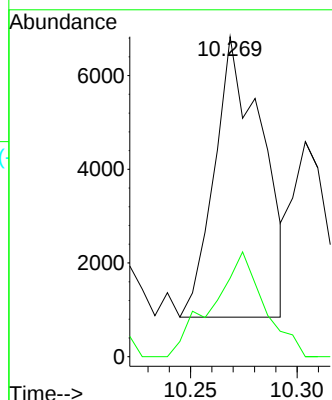
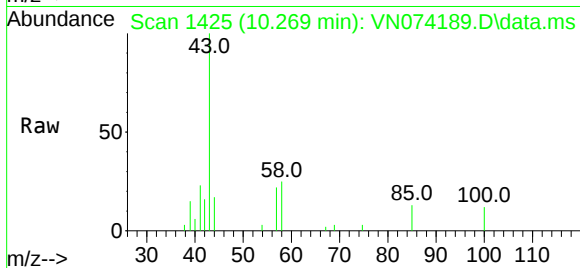
PB147340ZHE#08

Tgt Ion: 43 Resp: 9314

Ion Ratio Lower Upper

43 100

58 40.6 34.1 51.1



#54

cis-1,3-Dichloropropene

Concen: 12.975 ug/l

RT: 10.186 min Scan# 1411

Delta R.T. 0.059 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

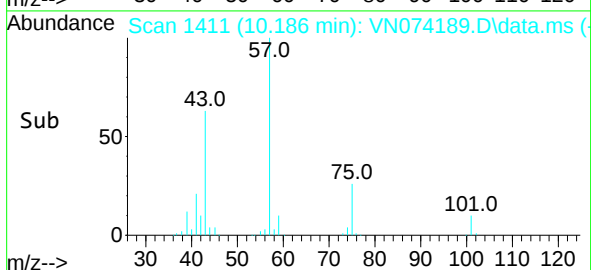
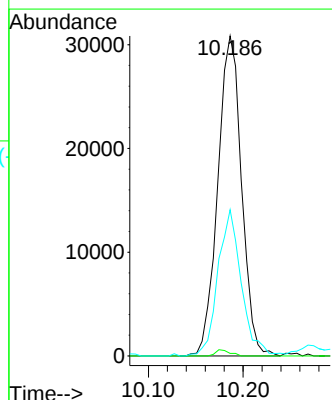
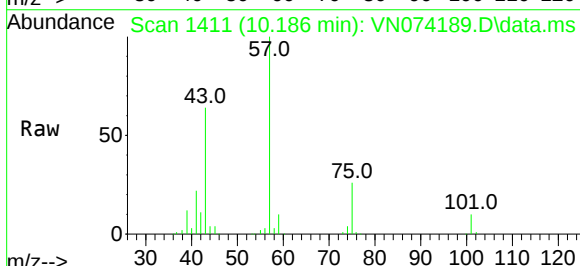
Tgt Ion: 75 Resp: 53847

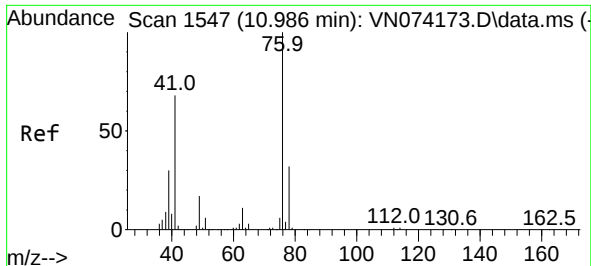
Ion Ratio Lower Upper

75 100

77 0.8 25.2 37.8#

39 45.7 35.7 53.5





#57

1,3-Dichloropropane

Concen: 1.836 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074189.D

Acq: 31 Aug 2022 01:22

Instrument :

MSVOA_N

ClientSampleId :

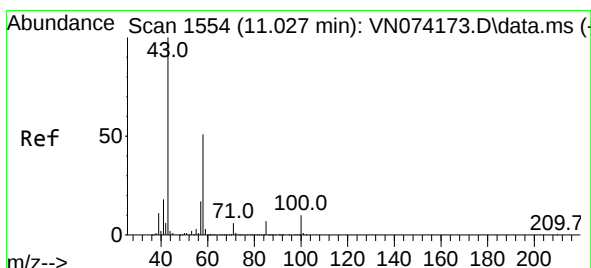
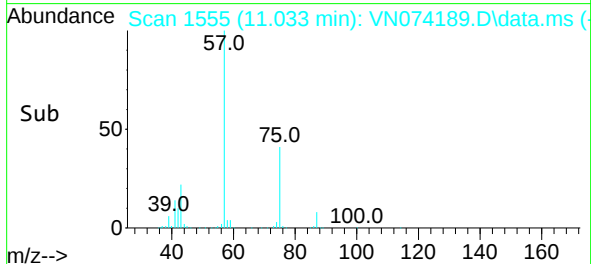
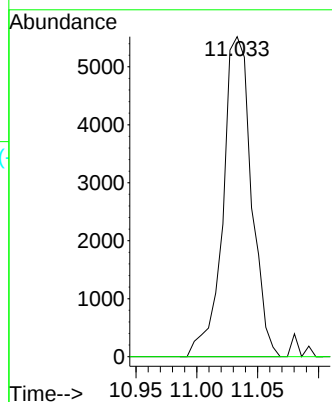
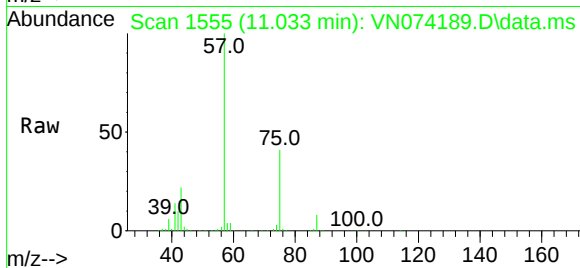
PB147340ZHE#08

Tgt Ion: 76 Resp: 8998

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 29.756 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074189.D

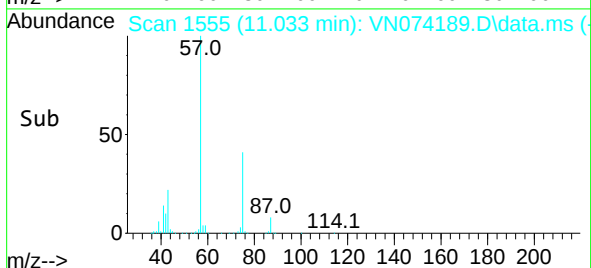
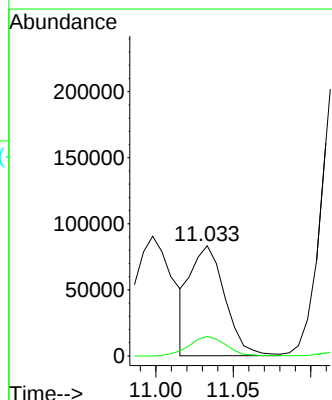
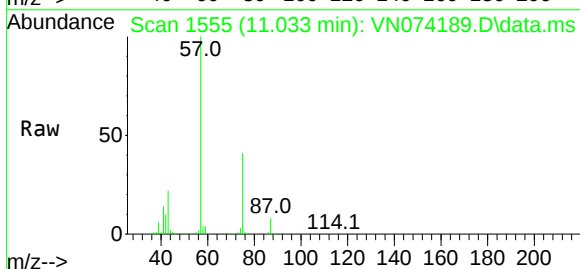
Acq: 31 Aug 2022 01:22

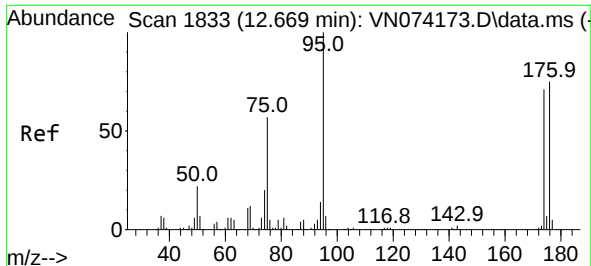
Tgt Ion: 43 Resp: 129824

Ion Ratio Lower Upper

43 100

58 18.9 29.7 89.1#

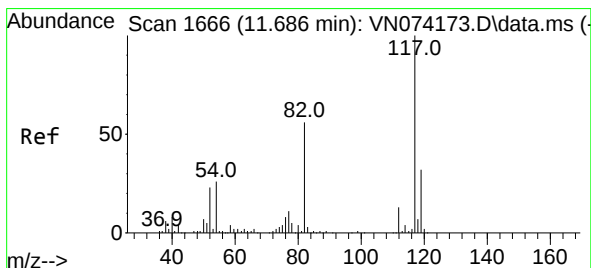
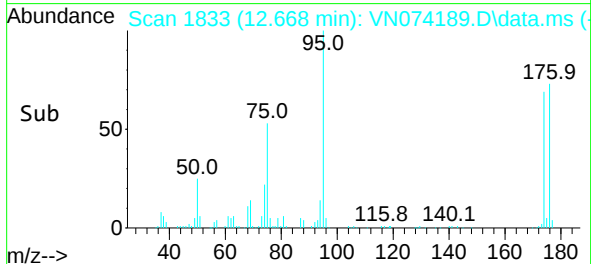
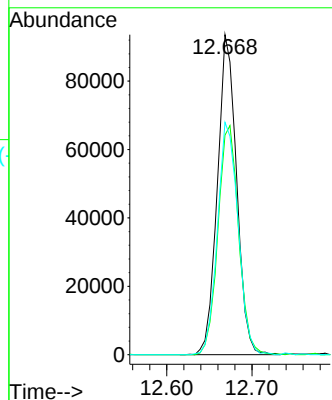
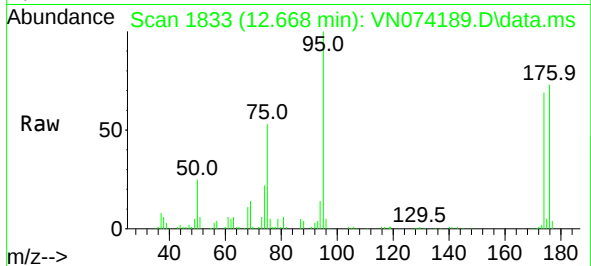




#62
4-Bromofluorobenzene
Concen: 56.364 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

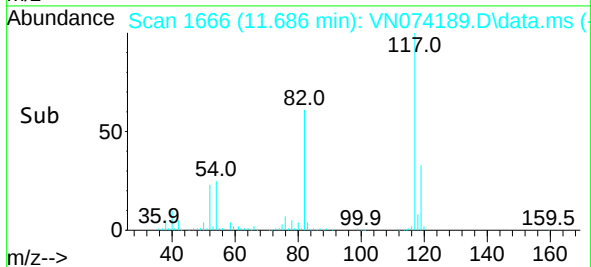
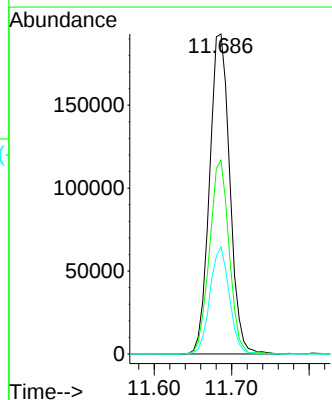
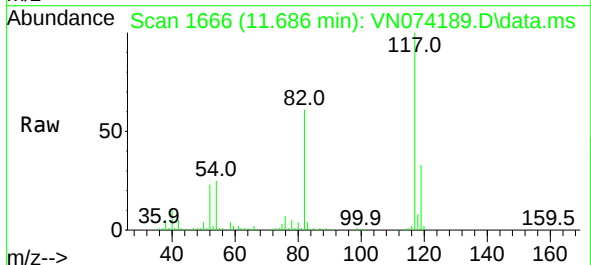
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

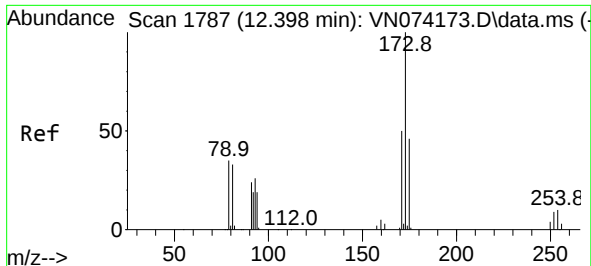
Tgt Ion: 95 Resp: 146589
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 77.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 117 Resp: 350037
Ion Ratio Lower Upper
117 100
82 60.6 44.2 66.2
119 33.4 25.4 38.0

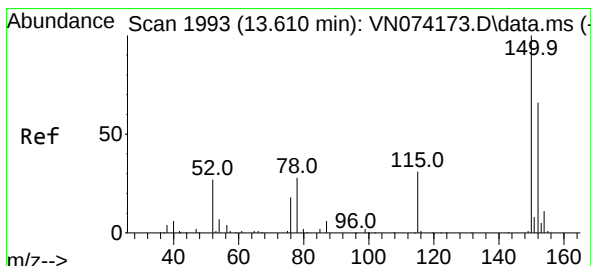
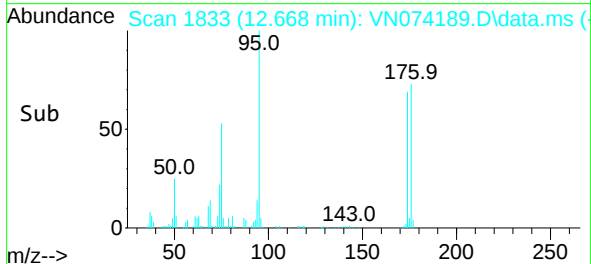
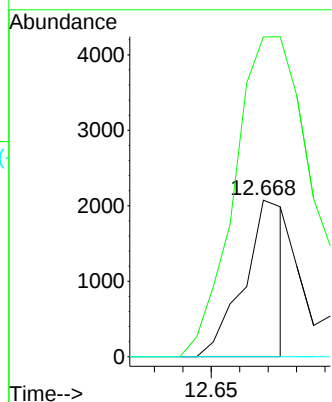
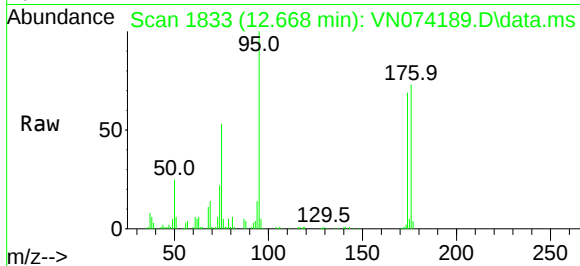




#71
Bromoform
Concen: 0.876 ug/l
RT: 12.668 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

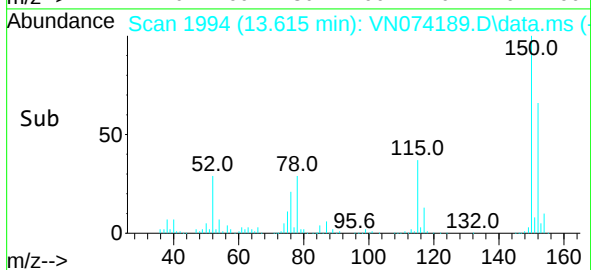
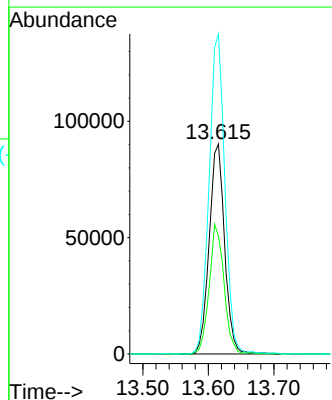
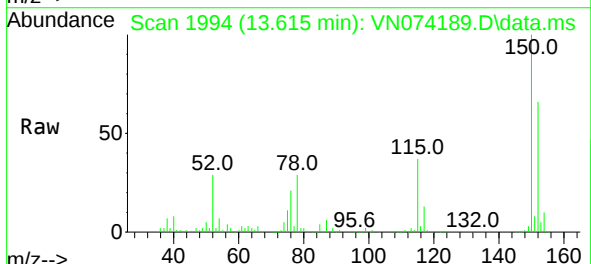
Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

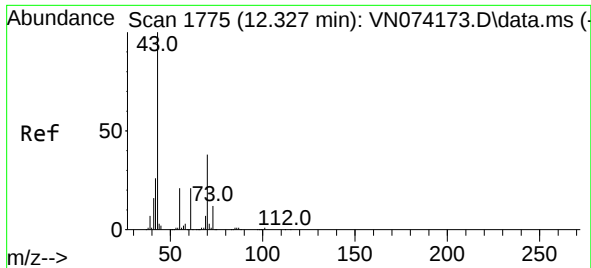
Tgt Ion:173 Resp: 2078
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

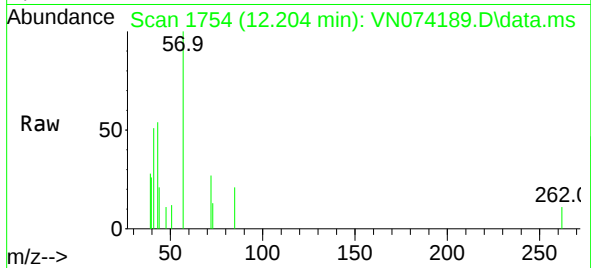
Tgt Ion:152 Resp: 147983
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 155.5 0.0 356.2



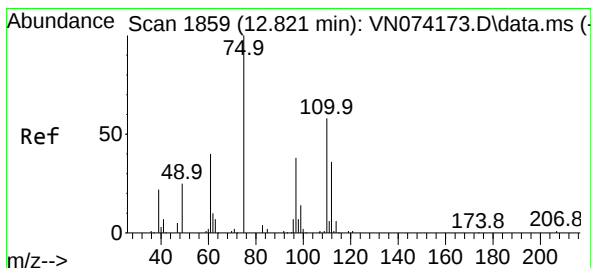
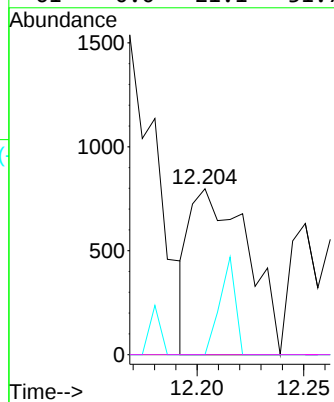
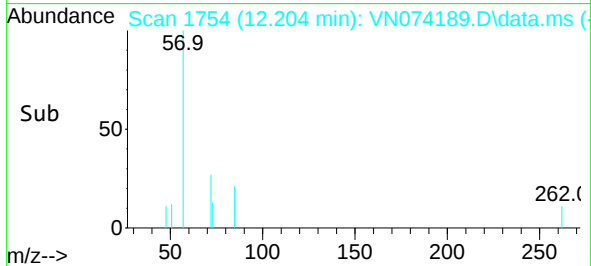


#74
N-amy1 acetate
Concen: 0.209 ug/l
RT: 12.204 min Scan# 1754
Delta R.T. -0.124 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

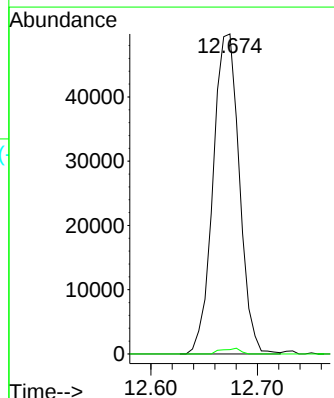
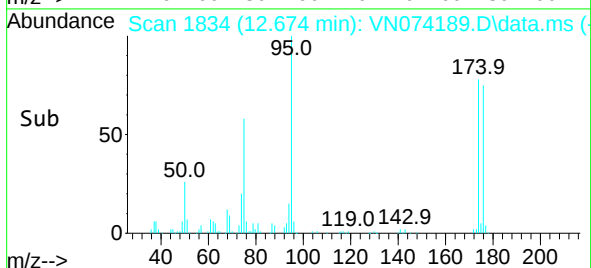
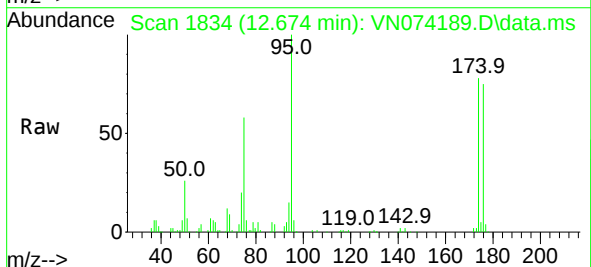


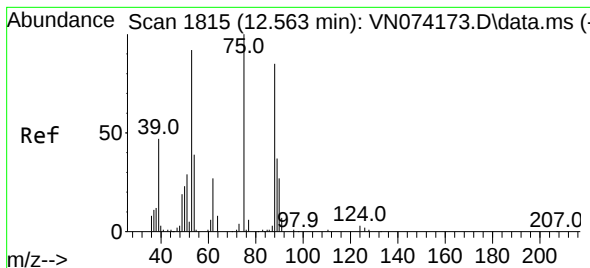
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 15.9 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 23.031 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 75 Resp: 85284
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

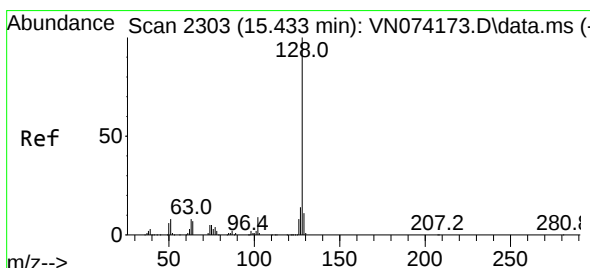
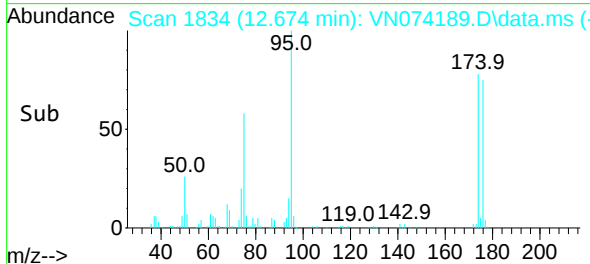
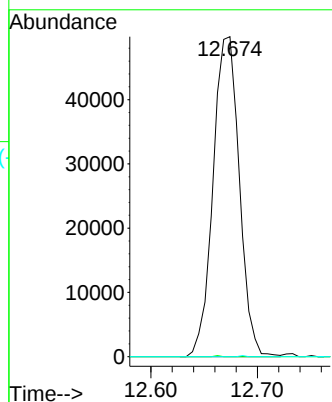
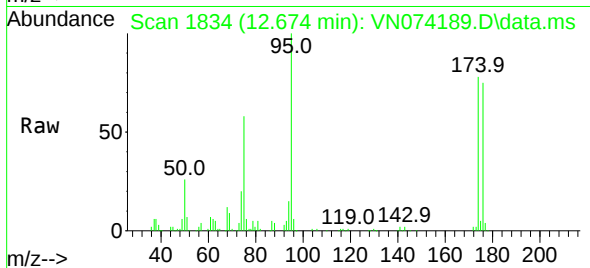




#81
trans-1,4-Dichloro-2-butene
Concen: 59.820 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Instrument :
MSVOA_N
ClientSampleId :
PB147340ZHE#08

Tgt Ion: 75 Resp: 85284
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.190 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN074189.D
Acq: 31 Aug 2022 01:22

Tgt Ion: 128 Resp: 449
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

