

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074008.D
 Acq On : 18 Aug 2022 16:37
 Operator : JC\MD
 Sample : N4241-10 25X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1633

Quant Time: Aug 18 21:52:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

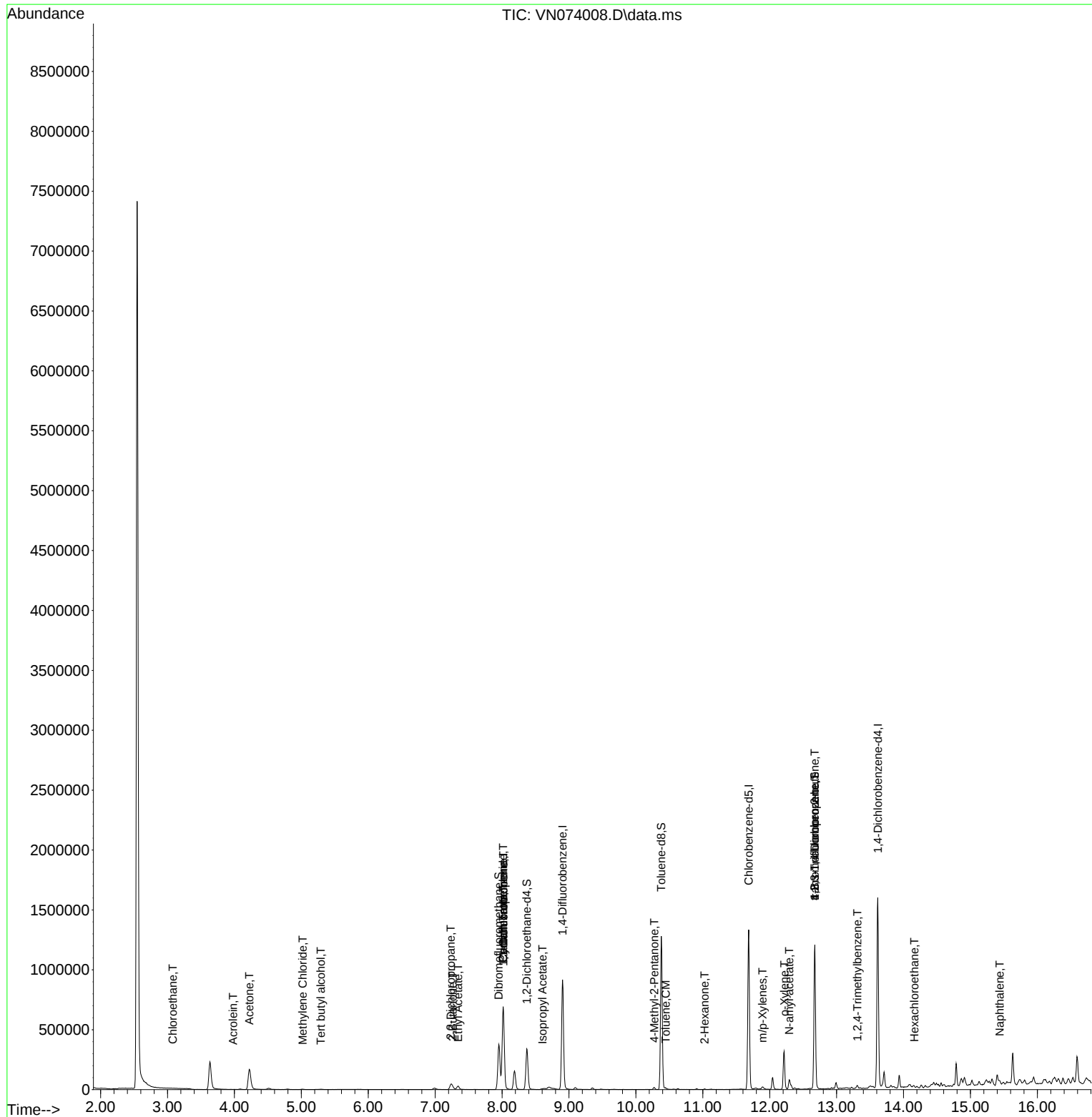
Internal Standards						
1) Pentafluorobenzene	8.016	168	586447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	862012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	831979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	473176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	283621	49.654	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.300%
35) Dibromofluoromethane	7.951	113	274359	53.819	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.640%
50) Toluene-d8	10.380	98	913537	46.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.674	95	399984	61.043	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	122.080%
Target Compounds						
					Qvalue	
6) Chloroethane	3.081	64	1568	0.334	ug/l	89
11) Tert butyl alcohol	5.292	59	5400	4.226	ug/l #	82
13) Acrolein	3.981	56	292	0.327	ug/l #	1
16) Acetone	4.222	43	311100	115.443	ug/l	99
18) Methyl Acetate	4.792	43	9267	Below Cal	#	86
20) Methylene Chloride	5.022	84	2601	0.457	ug/l #	57
25) 2-Butanone	7.263	43	19225	4.499	ug/l	93
26) 2,2-Dichloropropane	7.233	77	3058	0.360	ug/l #	53
31) Cyclohexane	8.016	56	9325	1.171	ug/l #	5
36) 1,1-Dichloropropene	8.022	75	37626	5.314	ug/l #	49
37) Ethyl Acetate	7.345	43	42737	4.982	ug/l	98
38) Carbon Tetrachloride	8.016	117	51126	6.317	ug/l #	18
43) Isopropyl Acetate	8.604	43	4628	0.379	ug/l #	53
51) 4-Methyl-2-Pentanone	10.274	43	12887	1.560	ug/l	96
52) Toluene	10.445	92	3806	0.248	ug/l	92
59) 2-Hexanone	11.027	43	3759	0.591	ug/l	80
68) m/p-Xylenes	11.892	106	4034	0.338	ug/l	86
69) o-Xylene	12.221	106	3328	0.278	ug/l	98
74) N-amyl acetate	12.292	43	48973	3.760	ug/l #	45
76) 1,2,3-Trichloropropane	12.674	75	194357	19.762	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	194357	56.207	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.310	105	17235	0.616	ug/l	91
90) Hexachloroethane	14.162	117	1328	0.255	ug/l #	9
95) Naphthalene	15.439	128	30392	0.917	ug/l #	89

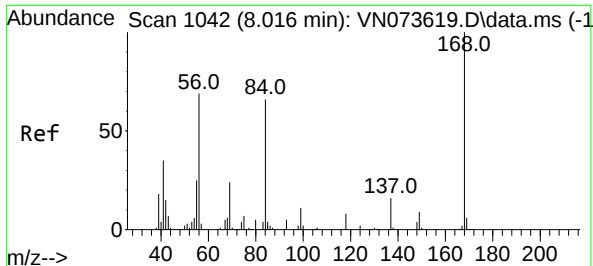
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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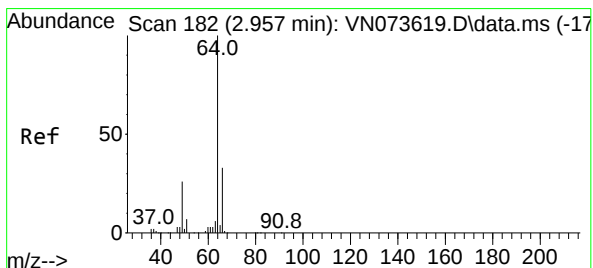
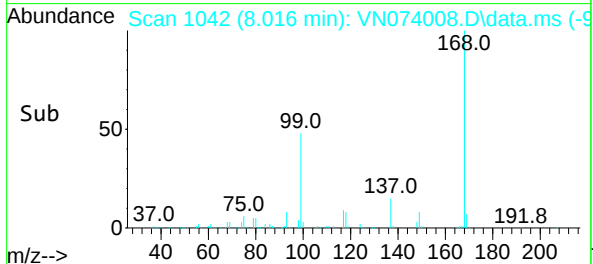
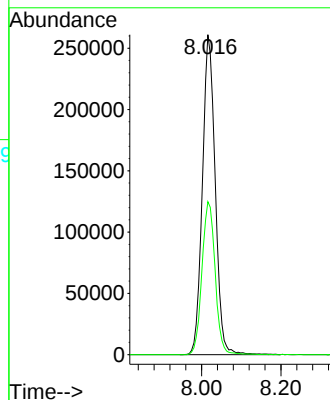
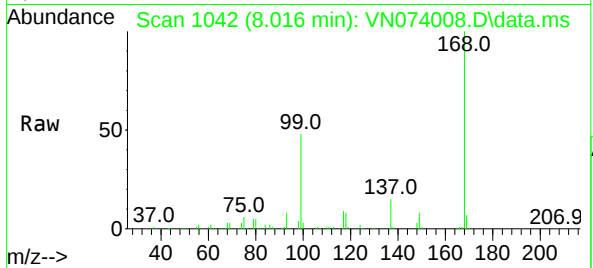




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

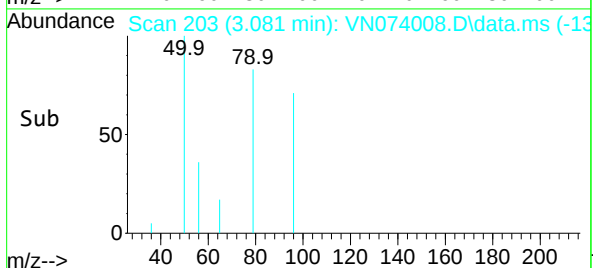
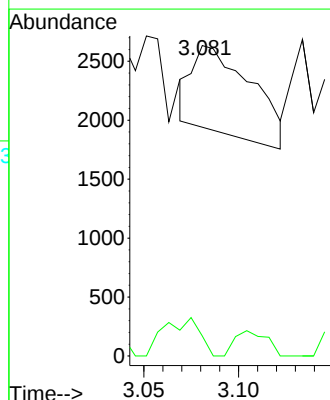
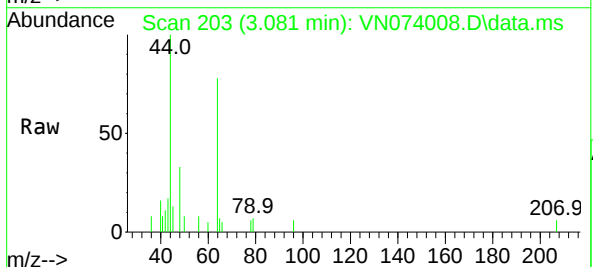
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

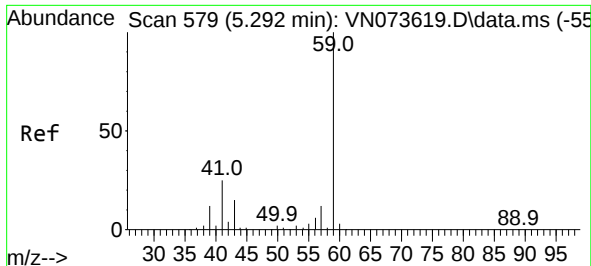
Tgt Ion:168 Resp: 586447
Ion Ratio Lower Upper
168 100
99 47.8 42.3 63.5



#6
Chloroethane
Concen: 0.334 ug/l
RT: 3.081 min Scan# 203
Delta R.T. 0.124 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 64 Resp: 1568
Ion Ratio Lower Upper
64 100
66 26.6 26.2 39.4

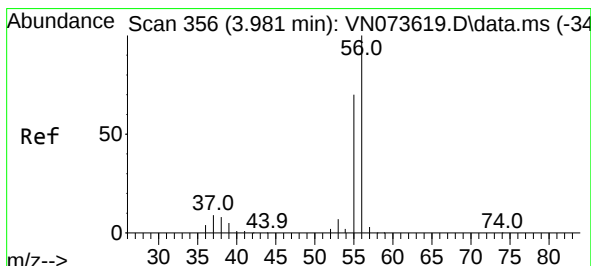
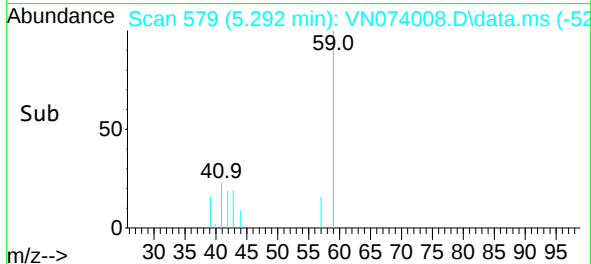
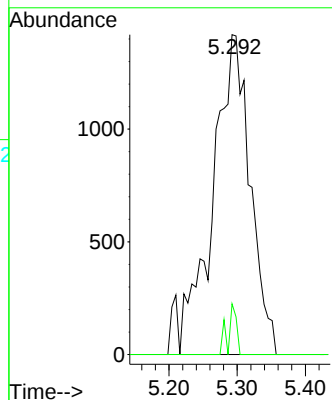
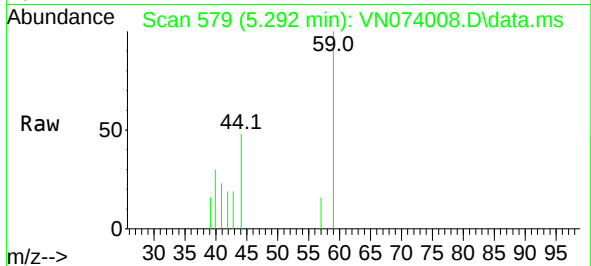




#11
Tert butyl alcohol
Concen: 4.226 ug/l
RT: 5.292 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

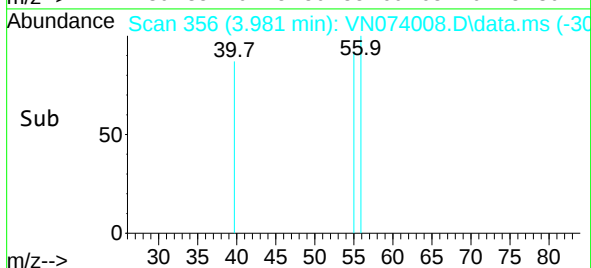
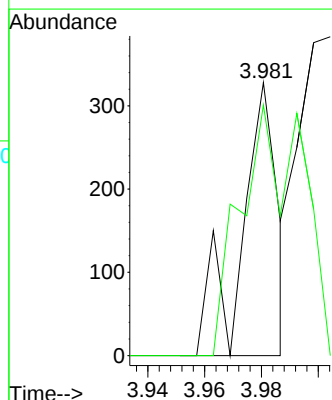
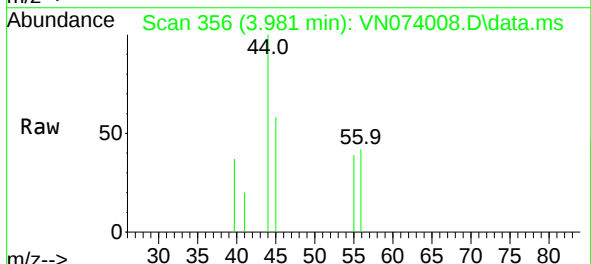
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

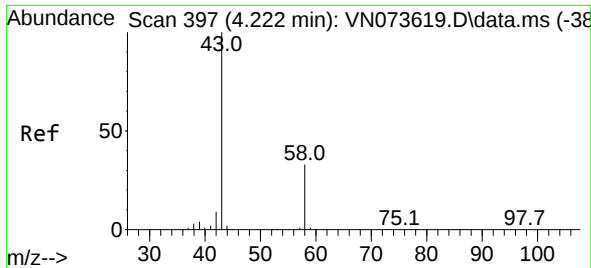
Tgt Ion: 59 Resp: 5400
Ion Ratio Lower Upper
59 100
57 3.6 8.3 12.5#



#13
Acrolein
Concen: 0.327 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 56 Resp: 292
Ion Ratio Lower Upper
56 100
55 155.5 54.8 82.2#





#16

Acetone

Concen: 115.443 ug/l

RT: 4.222 min Scan# 397

Delta R.T. -0.000 min

Lab File: VN074008.D

Acq: 18 Aug 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :

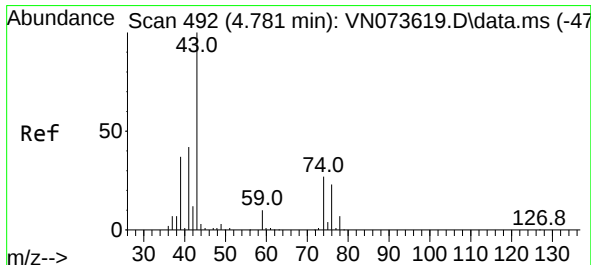
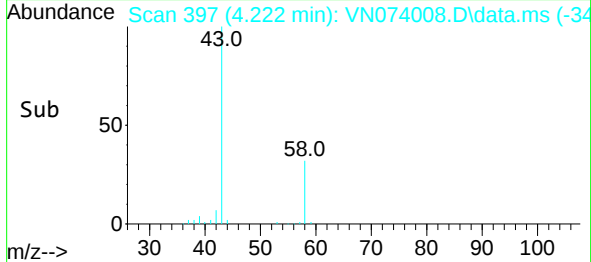
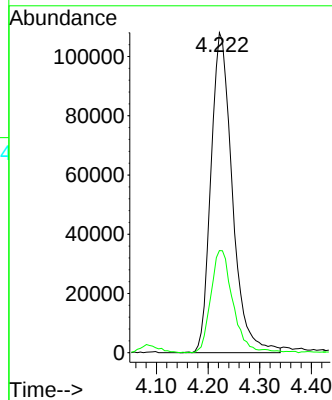
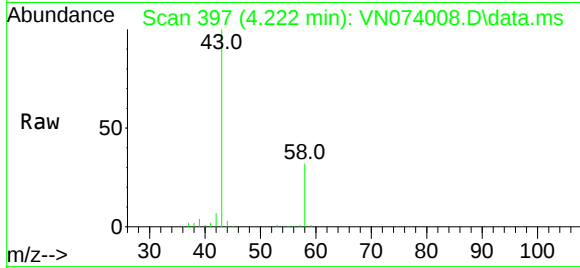
TRE-1633

Tgt Ion: 43 Resp: 311100

Ion Ratio Lower Upper

43 100

58 31.9 26.0 39.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.792 min Scan# 494

Delta R.T. 0.011 min

Lab File: VN074008.D

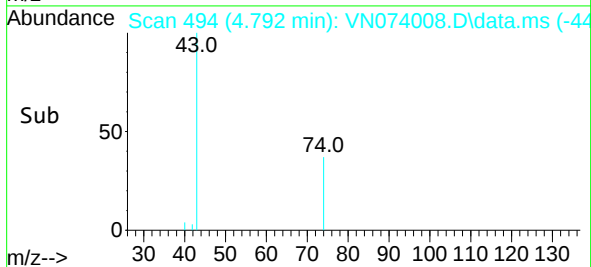
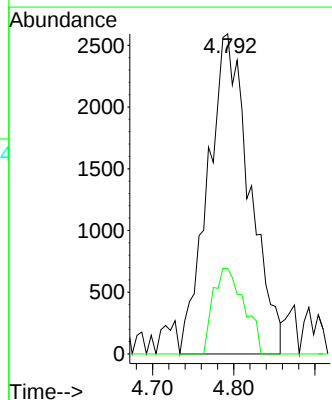
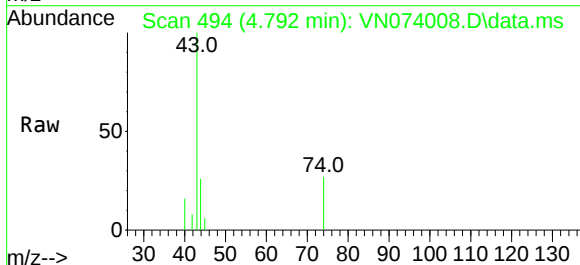
Acq: 18 Aug 2022 16:37

Tgt Ion: 43 Resp: 9267

Ion Ratio Lower Upper

43 100

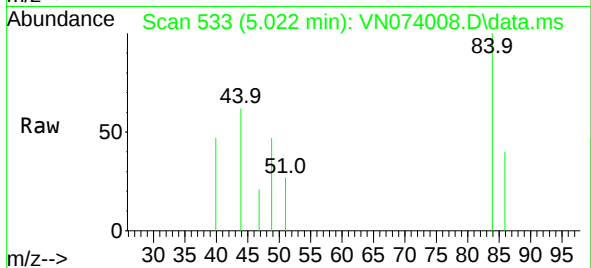
74 19.7 21.6 32.4#





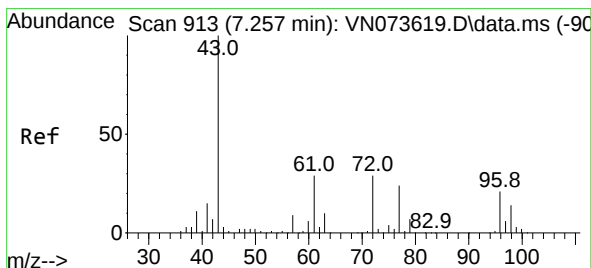
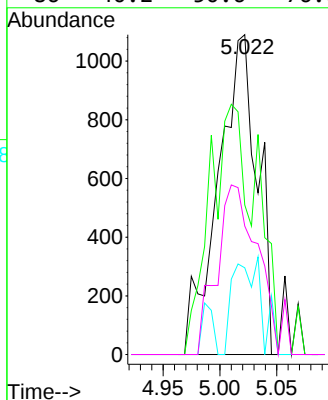
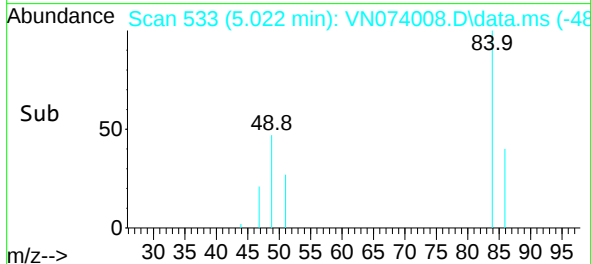
#20
Methylene Chloride
Concen: 0.457 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

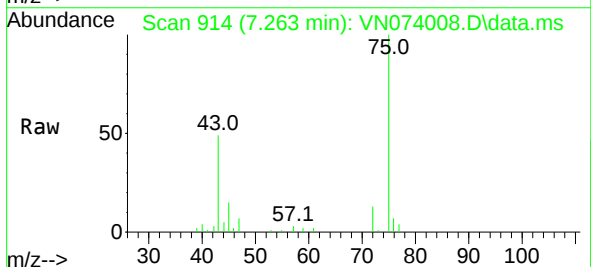


Tgt Ion: 84 Resp: 2601

Ion	Ratio	Lower	Upper
84	100		
49	46.8	88.3	132.5#
51	27.2	28.2	42.2#
86	40.2	50.6	76.0#

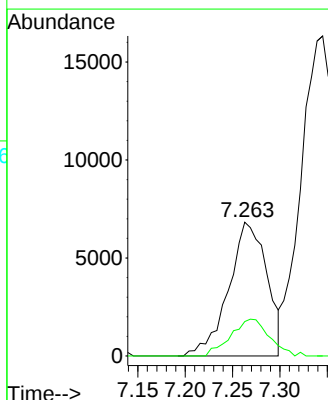
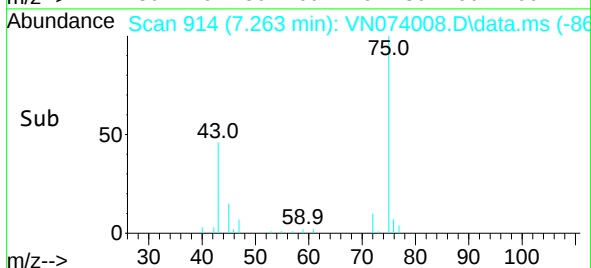


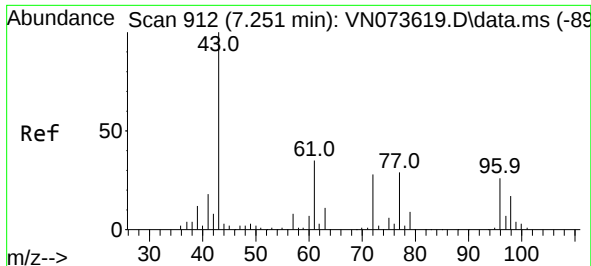
#25
2-Butanone
Concen: 4.499 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37



Tgt Ion: 43 Resp: 19225

Ion	Ratio	Lower	Upper
43	100		
72	25.7	23.7	35.5

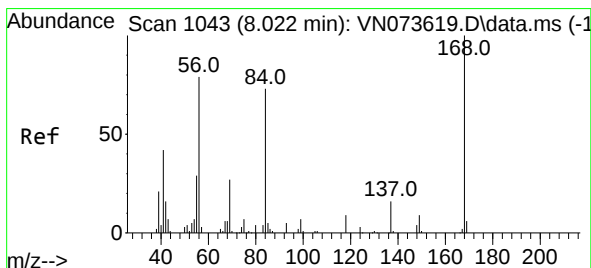
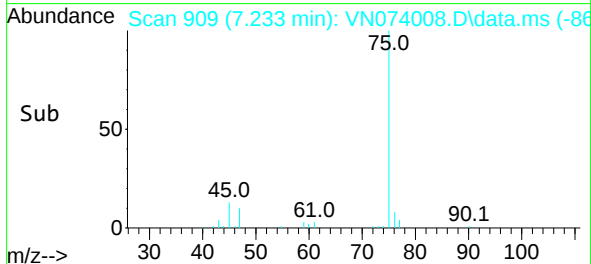
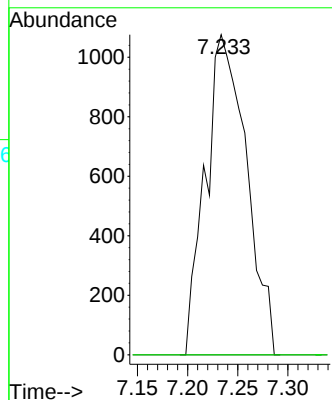
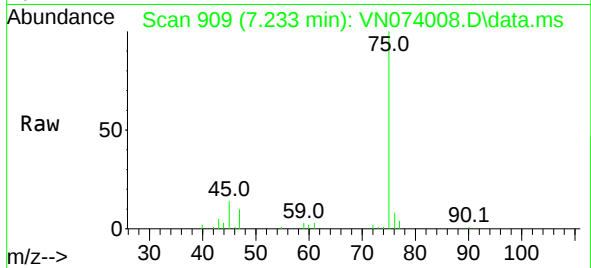




#26
2,2-Dichloropropane
Concen: 0.360 ug/l
RT: 7.233 min Scan# 909
Delta R.T. -0.018 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

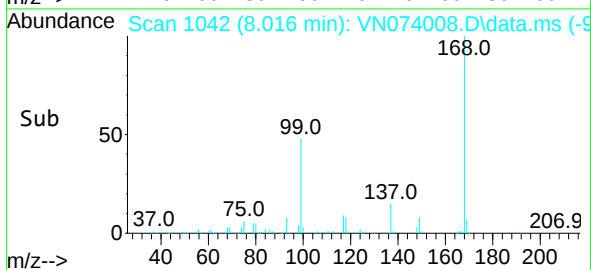
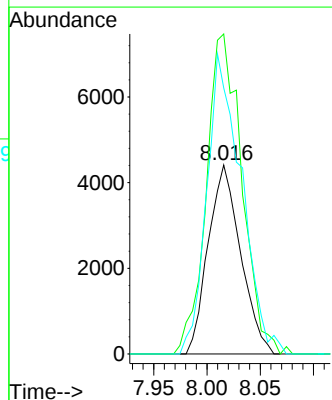
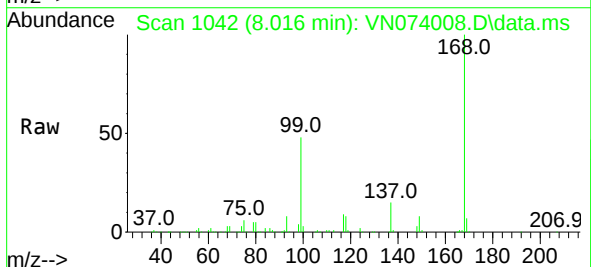
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

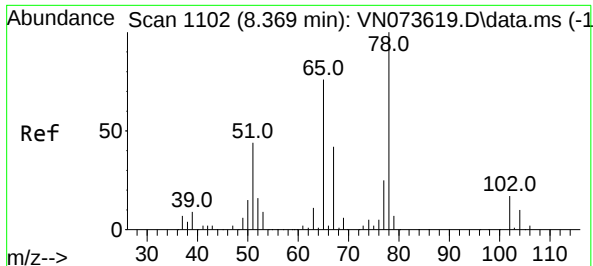
Tgt Ion: 77 Resp: 3058
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#31
Cyclohexane
Concen: 1.171 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 56 Resp: 9325
Ion Ratio Lower Upper
56 100
69 169.3 27.8 41.8#
84 140.8 76.9 115.3#

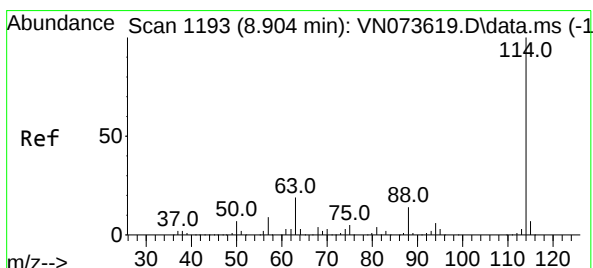
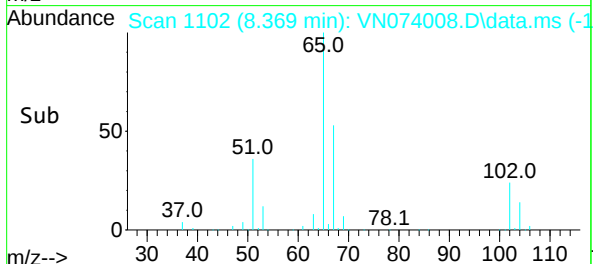
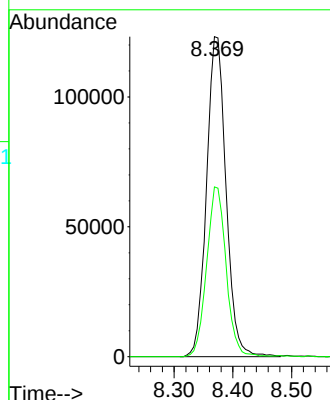
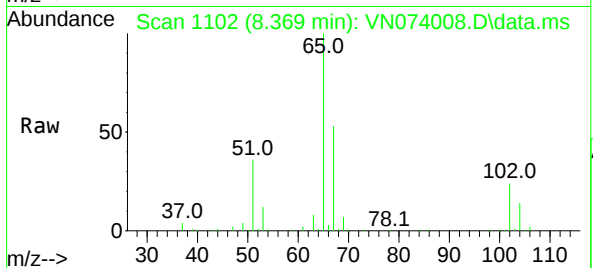




#33
1,2-Dichloroethane-d4
Concen: 49.654 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

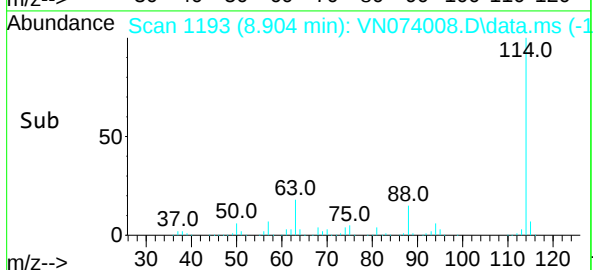
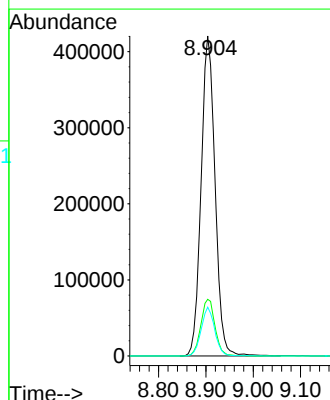
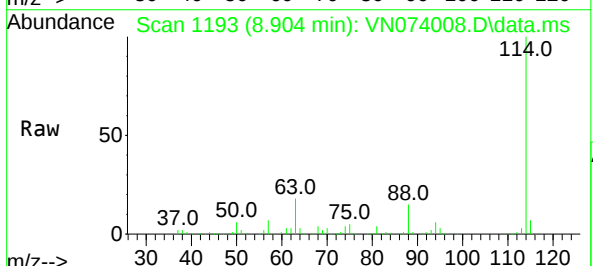
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TRE-1633

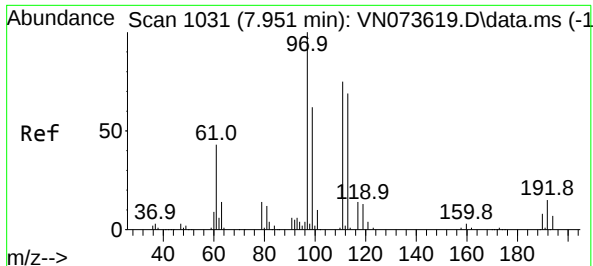
Tgt Ion: 65 Resp: 283621
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 114 Resp: 862012
Ion Ratio Lower Upper
114 100
63 17.7 0.0 40.0
88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.819 ug/l

RT: 7.951 min Scan# 1043

Delta R.T. 0.000 min

Lab File: VN074008.D

Acq: 18 Aug 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :

TRE-1633

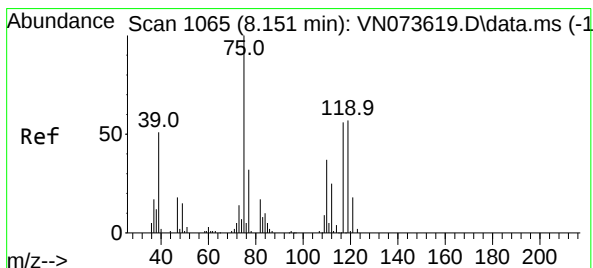
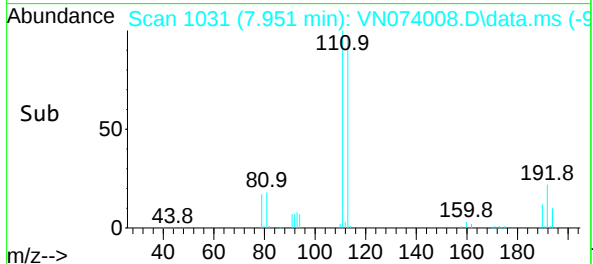
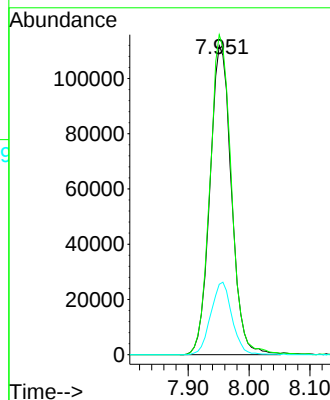
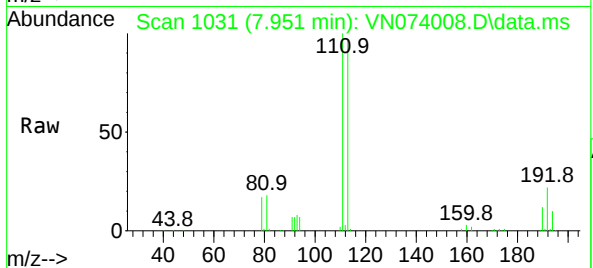
Tgt Ion:113 Resp: 274359

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 23.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.314 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074008.D

Acq: 18 Aug 2022 16:37

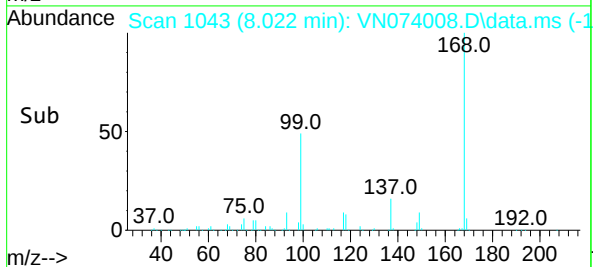
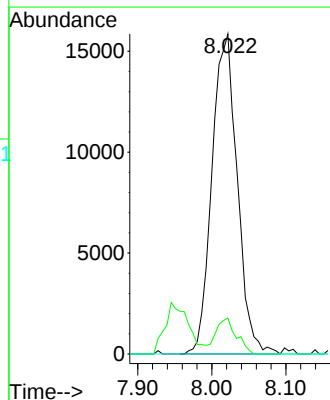
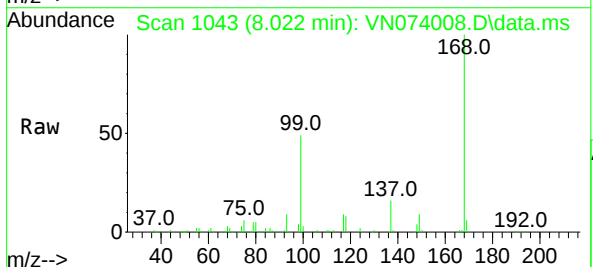
Tgt Ion: 75 Resp: 37626

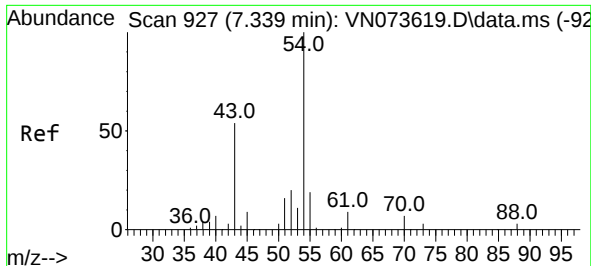
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#

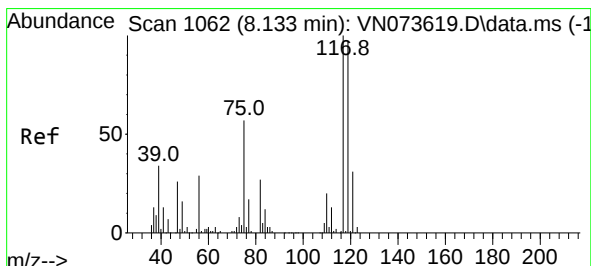
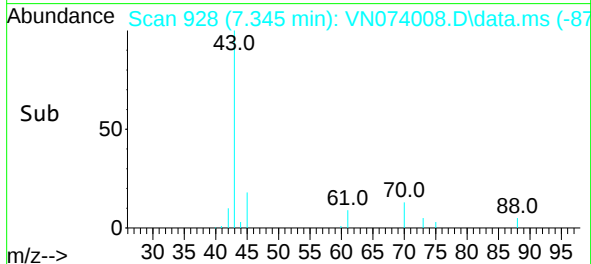
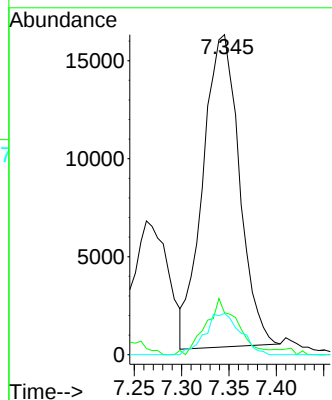
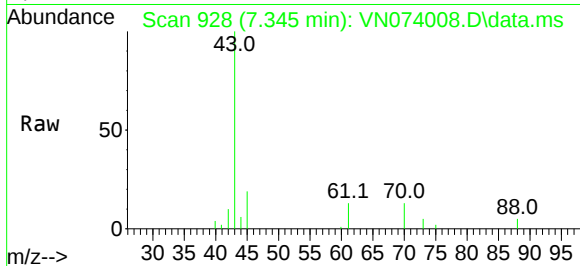




#37
Ethyl Acetate
Concen: 4.982 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

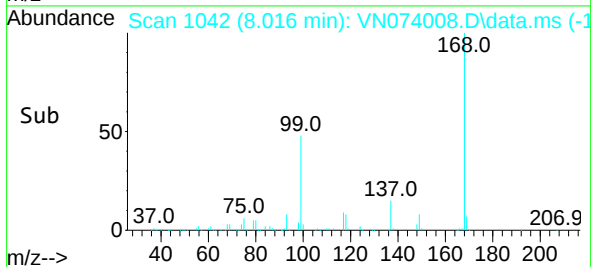
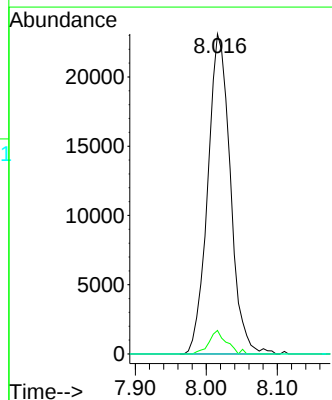
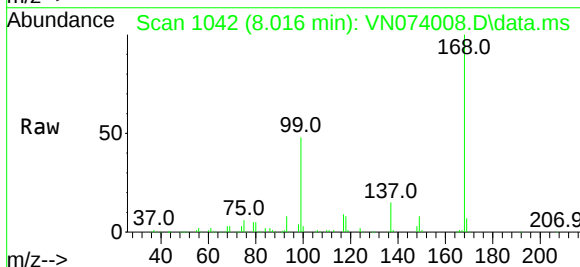
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

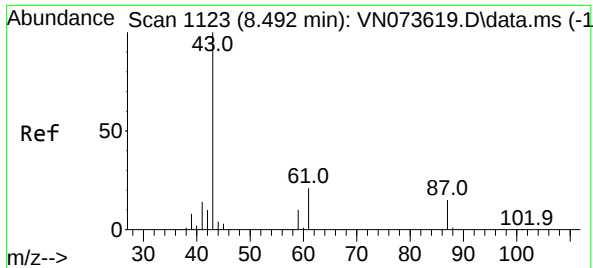
Tgt Ion: 43 Resp: 42737
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 12.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.317 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 117 Resp: 51126
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.8#
121 0.0 24.6 37.0#

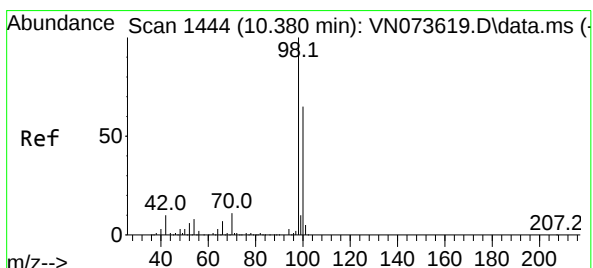
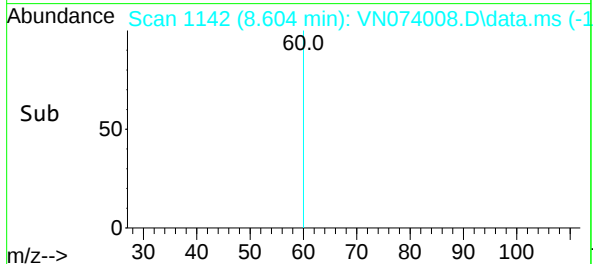
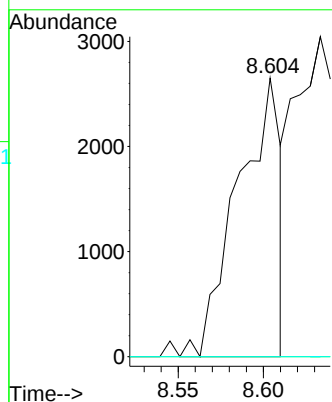
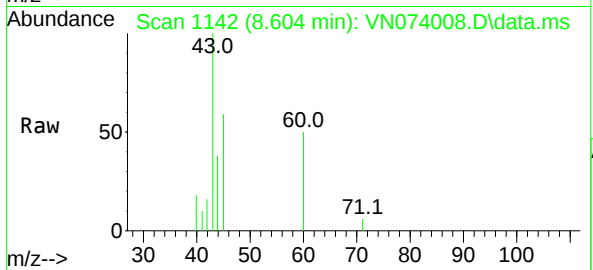




#43
Isopropyl Acetate
Concen: 0.379 ug/l
RT: 8.604 min Scan# 1123
Delta R.T. 0.112 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

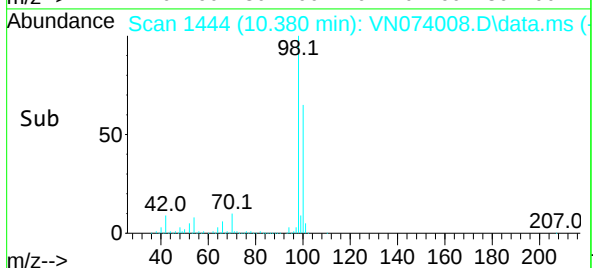
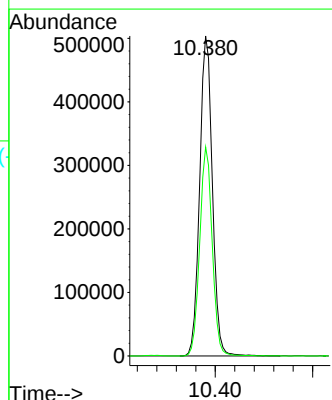
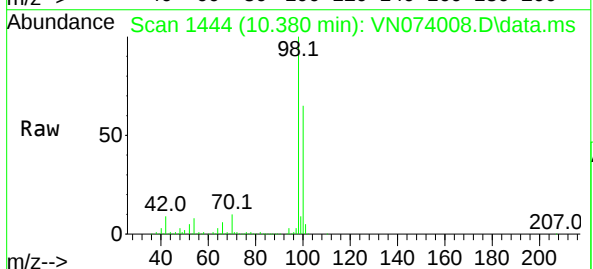
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

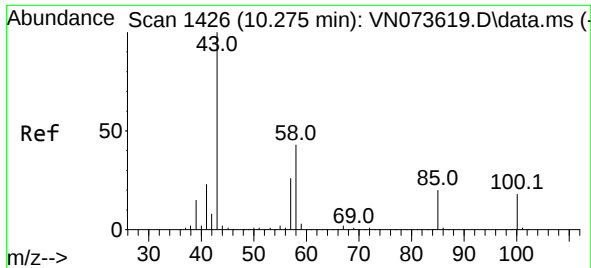
Tgt Ion: 43 Resp: 4628
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 46.270 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 98 Resp: 913537
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

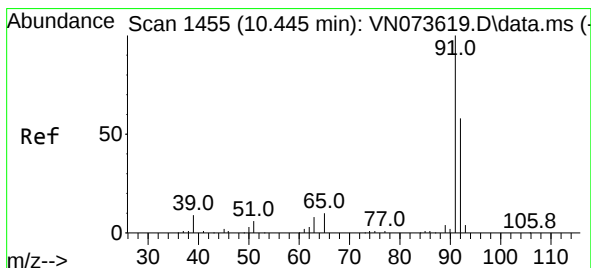
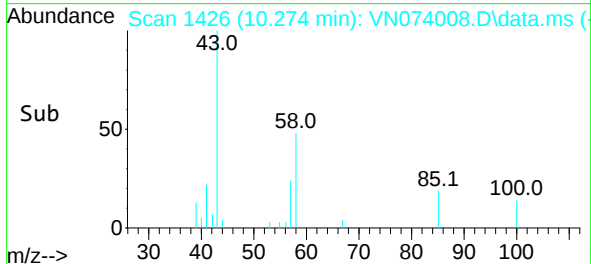
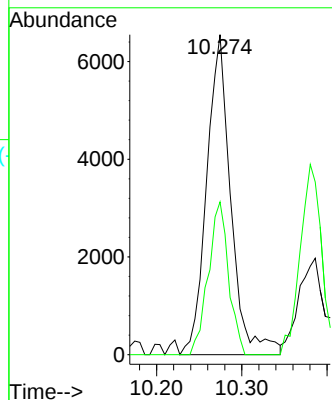
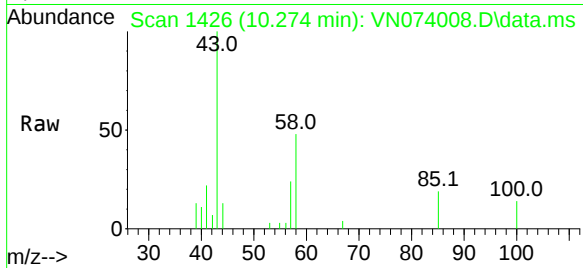




#51
4-Methyl-2-Pentanone
Concen: 1.560 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

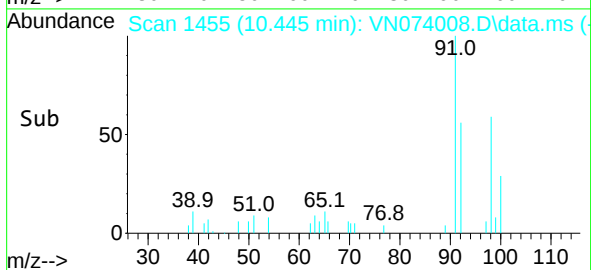
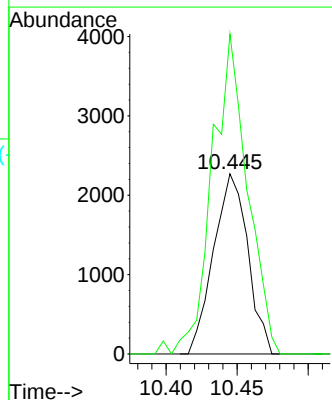
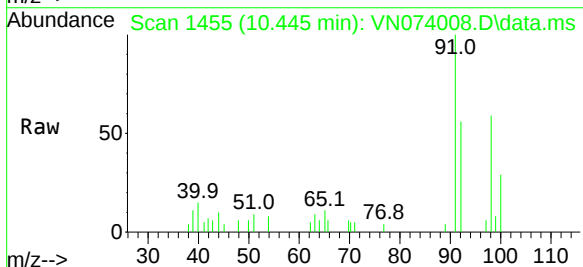
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

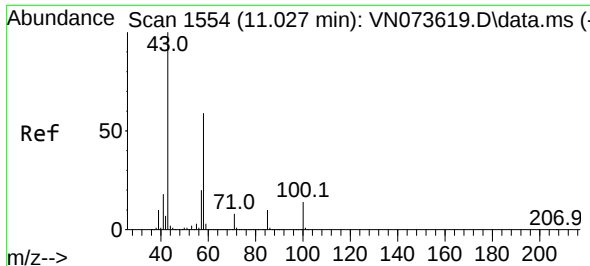
Tgt Ion: 43 Resp: 12887
Ion Ratio Lower Upper
43 100
58 40.1 34.1 51.1



#52
Toluene
Concen: 0.248 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 92 Resp: 3806
Ion Ratio Lower Upper
92 100
91 184.2 138.6 207.8

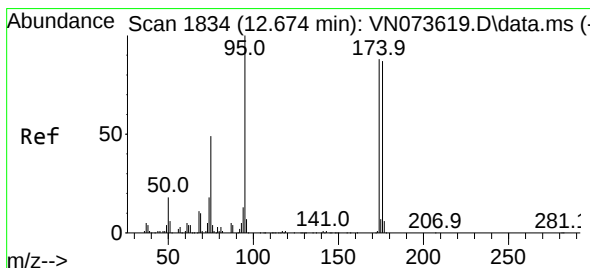
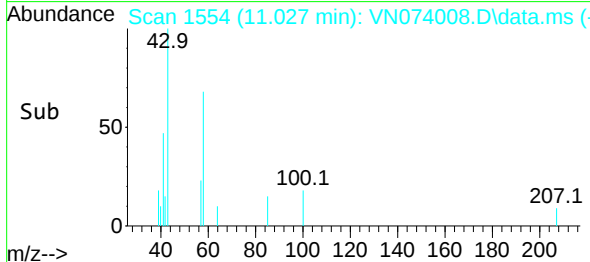
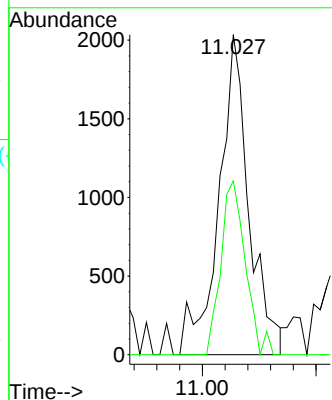
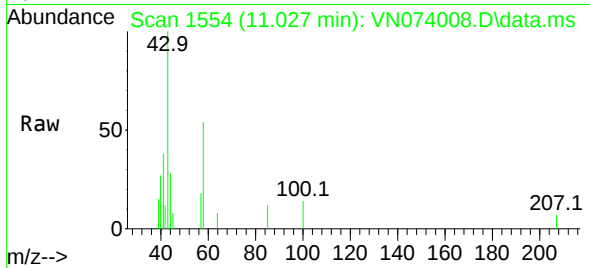




#59
2-Hexanone
Concen: 0.591 ug/l
RT: 11.027 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

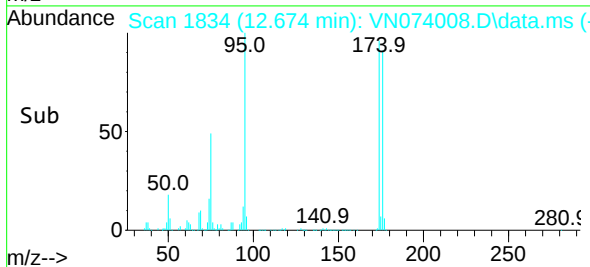
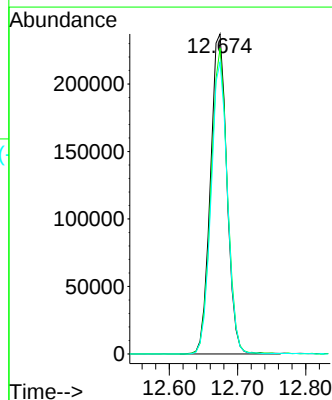
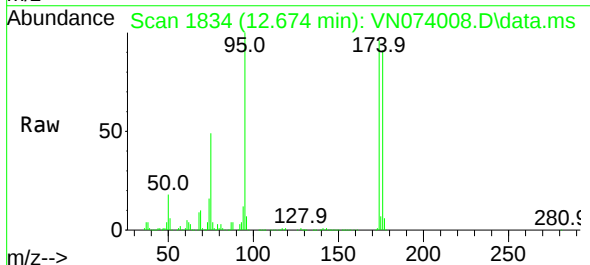
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

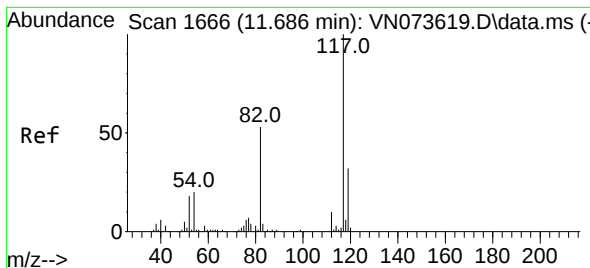
Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
58 44.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 61.043 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 95 Resp: 399984
Ion Ratio Lower Upper
95 100
174 94.5 0.0 167.6
176 90.7 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074008.D

Acq: 18 Aug 2022 16:37

Instrument :

MSVOA_N

ClientSampleId :

TRE-1633

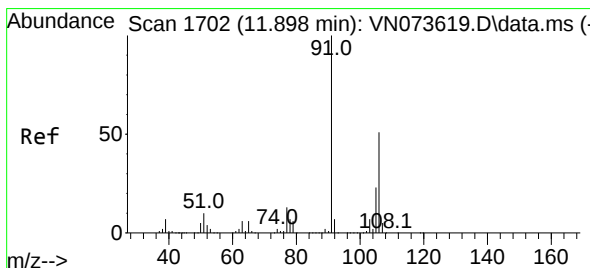
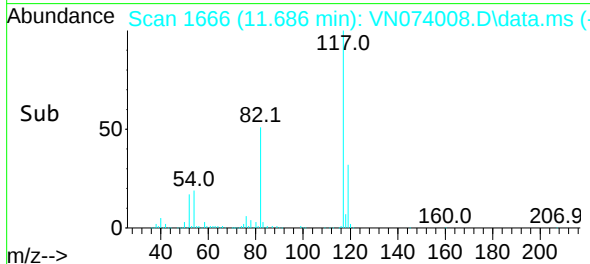
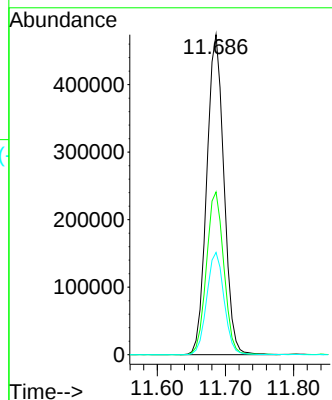
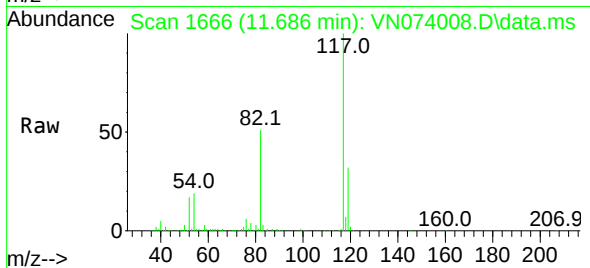
Tgt Ion:117 Resp: 831979

Ion Ratio Lower Upper

117 100

82 50.9 44.2 66.2

119 32.0 25.4 38.0



#68

m/p-Xylenes

Concen: 0.338 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. -0.006 min

Lab File: VN074008.D

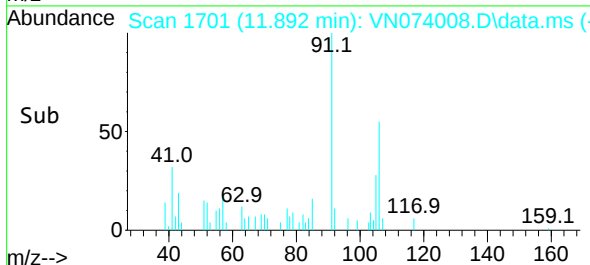
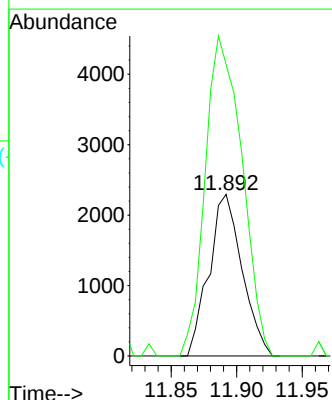
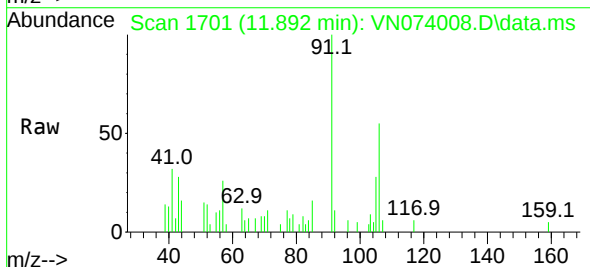
Acq: 18 Aug 2022 16:37

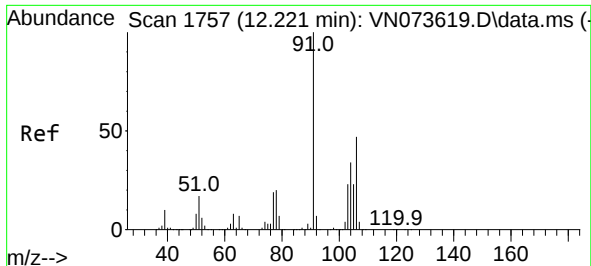
Tgt Ion:106 Resp: 4034

Ion Ratio Lower Upper

106 100

91 219.8 158.9 238.3

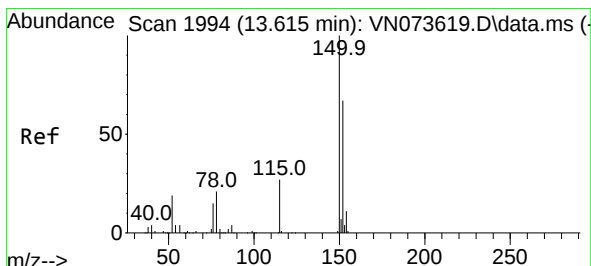
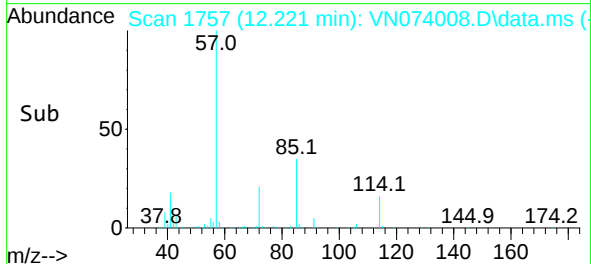
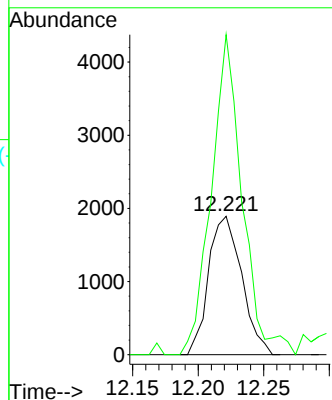
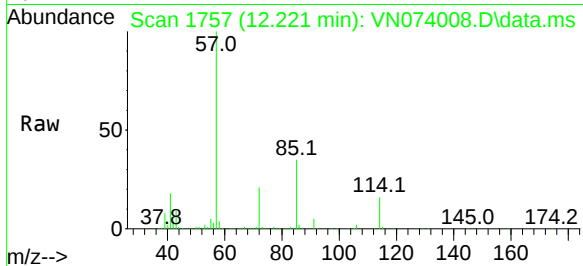




#69
o-Xylene
Concen: 0.278 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

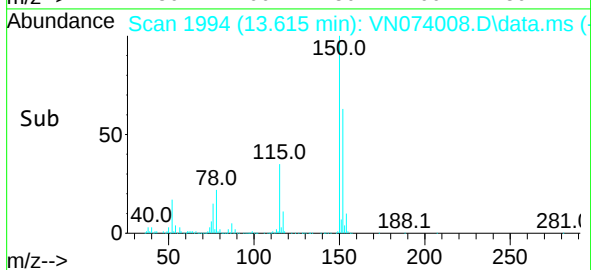
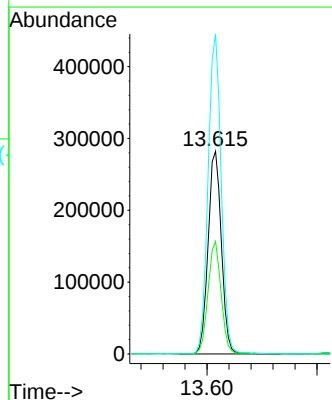
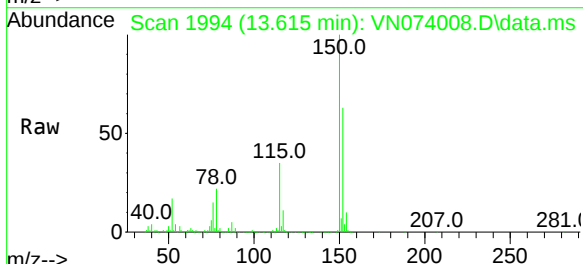
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

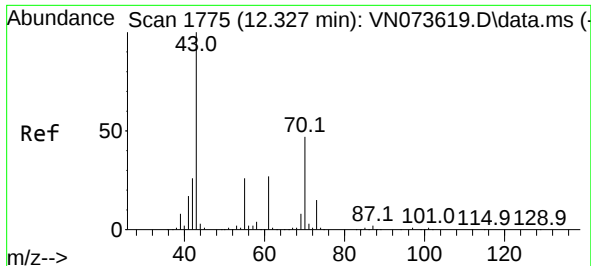
Tgt Ion:106 Resp: 3328
Ion Ratio Lower Upper
106 100
91 214.7 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion:152 Resp: 473176
Ion Ratio Lower Upper
152 100
115 54.4 28.9 86.7
150 155.8 0.0 356.2

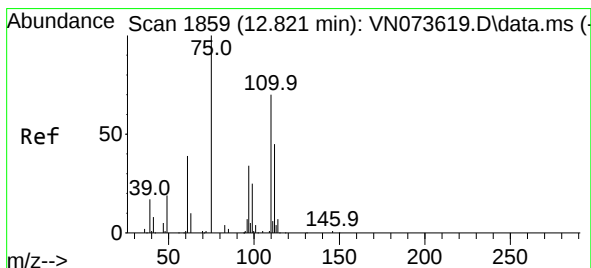
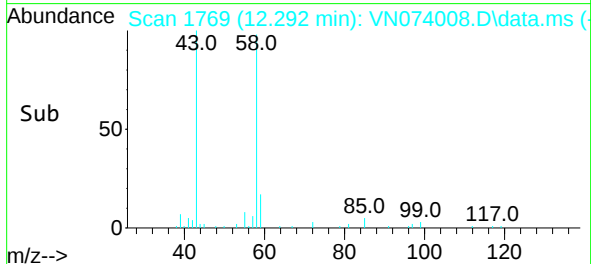
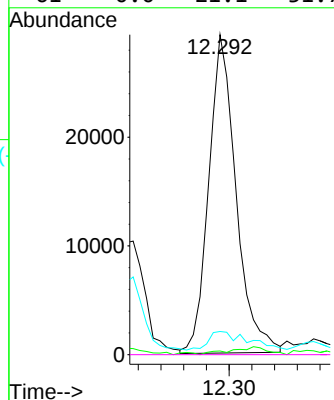
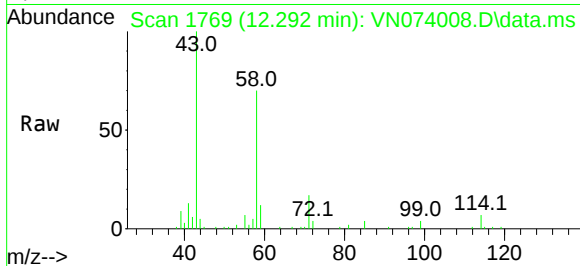




#74
N-amy1 acetate
Concen: 3.760 ug/l
RT: 12.292 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

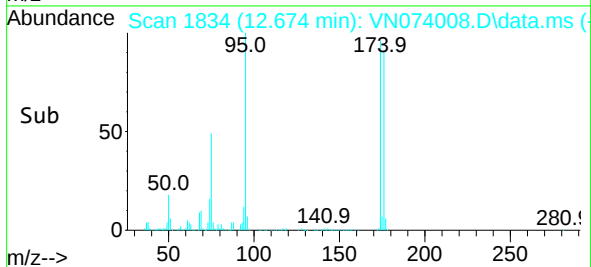
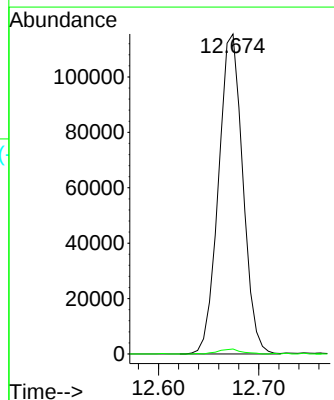
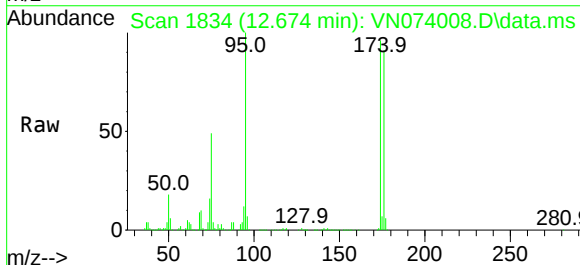
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

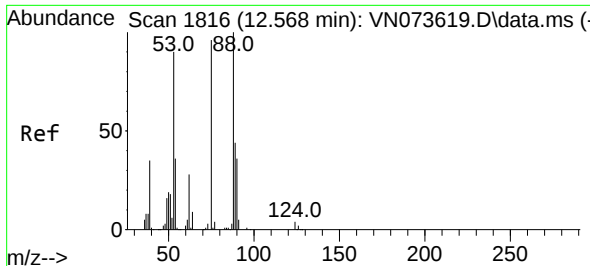
Tgt Ion: 43 Resp: 48973
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 11.2 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 19.762 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 75 Resp: 194357
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#

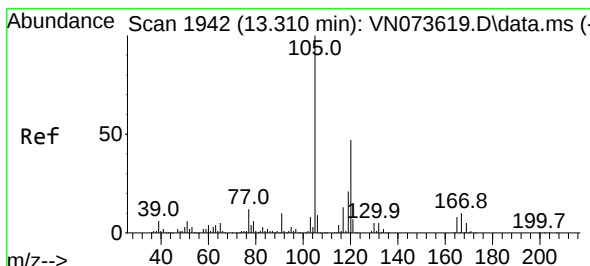
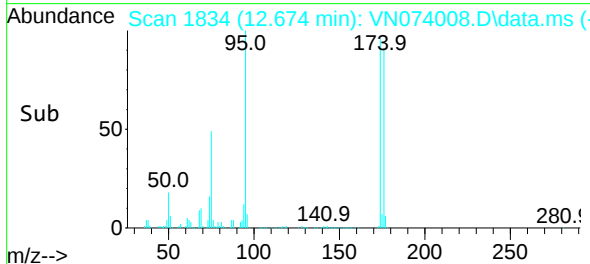
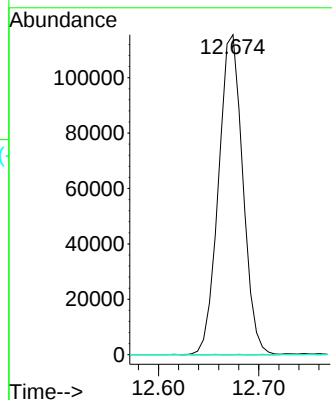
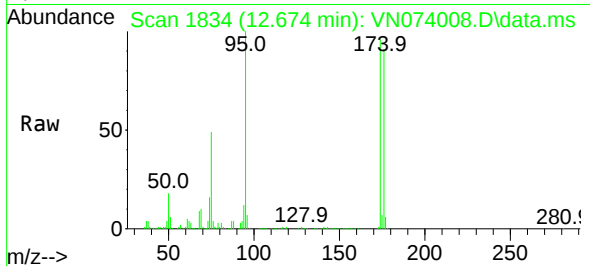




#81
trans-1,4-Dichloro-2-butene
Concen: 56.207 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

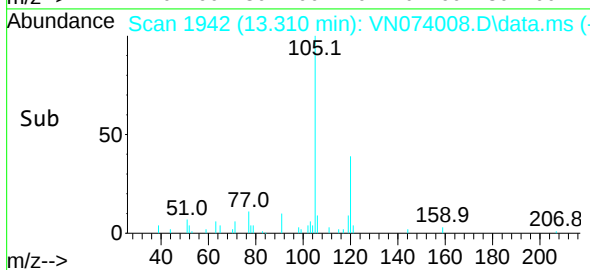
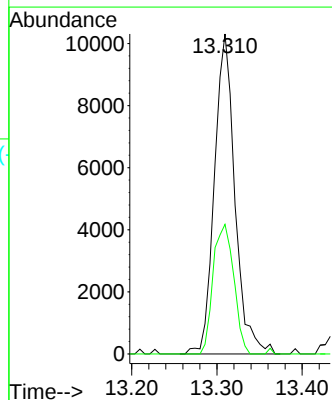
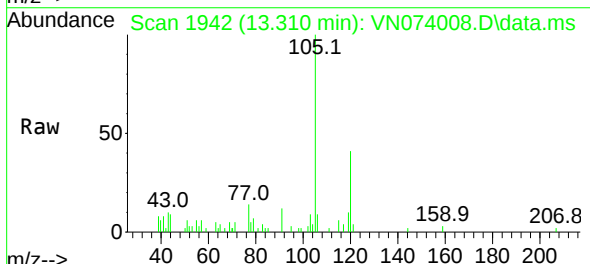
Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

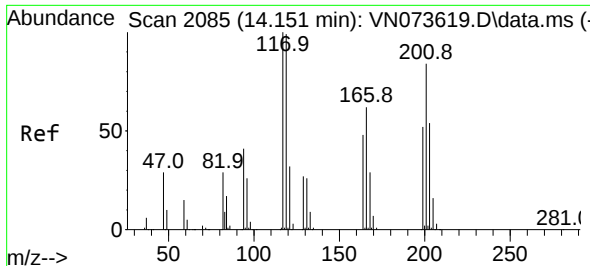
Tgt Ion: 75 Resp: 194357
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.616 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion: 105 Resp: 17235
Ion Ratio Lower Upper
105 100
120 40.6 23.3 69.8

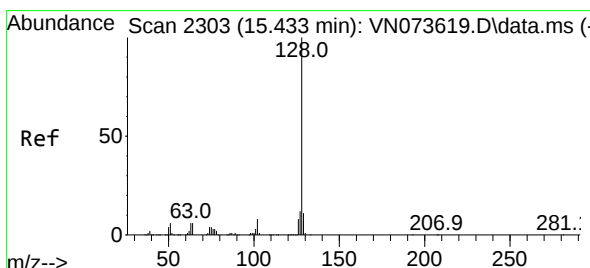
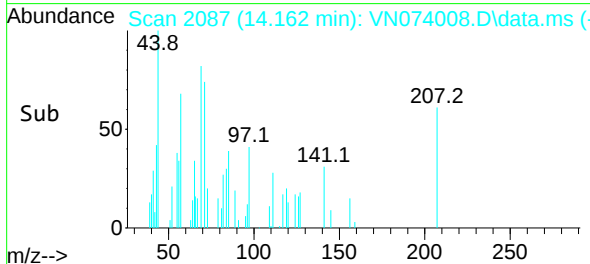
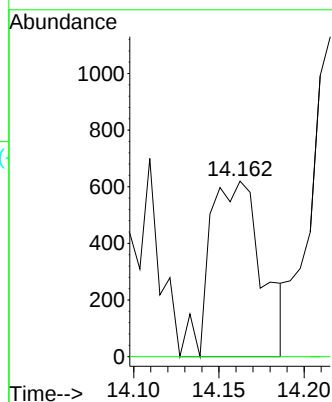
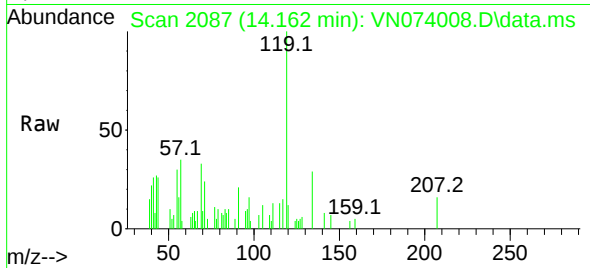




#90
Hexachloroethane
Concen: 0.255 ug/l
RT: 14.162 min Scan# 2087
Delta R.T. 0.011 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Instrument :
MSVOA_N
ClientSampleId :
TRE-1633

Tgt Ion:117 Resp: 1328
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.917 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN074008.D
Acq: 18 Aug 2022 16:37

Tgt Ion:128 Resp: 30392
Ion Ratio Lower Upper
128 100
127 19.4 10.3 15.5#
129 12.5 8.6 13.0

