

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074007.D
 Acq On : 18 Aug 2022 16:12
 Operator : JC\MD
 Sample : N4241-09 25X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1632

Quant Time: Aug 18 21:51:59 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)

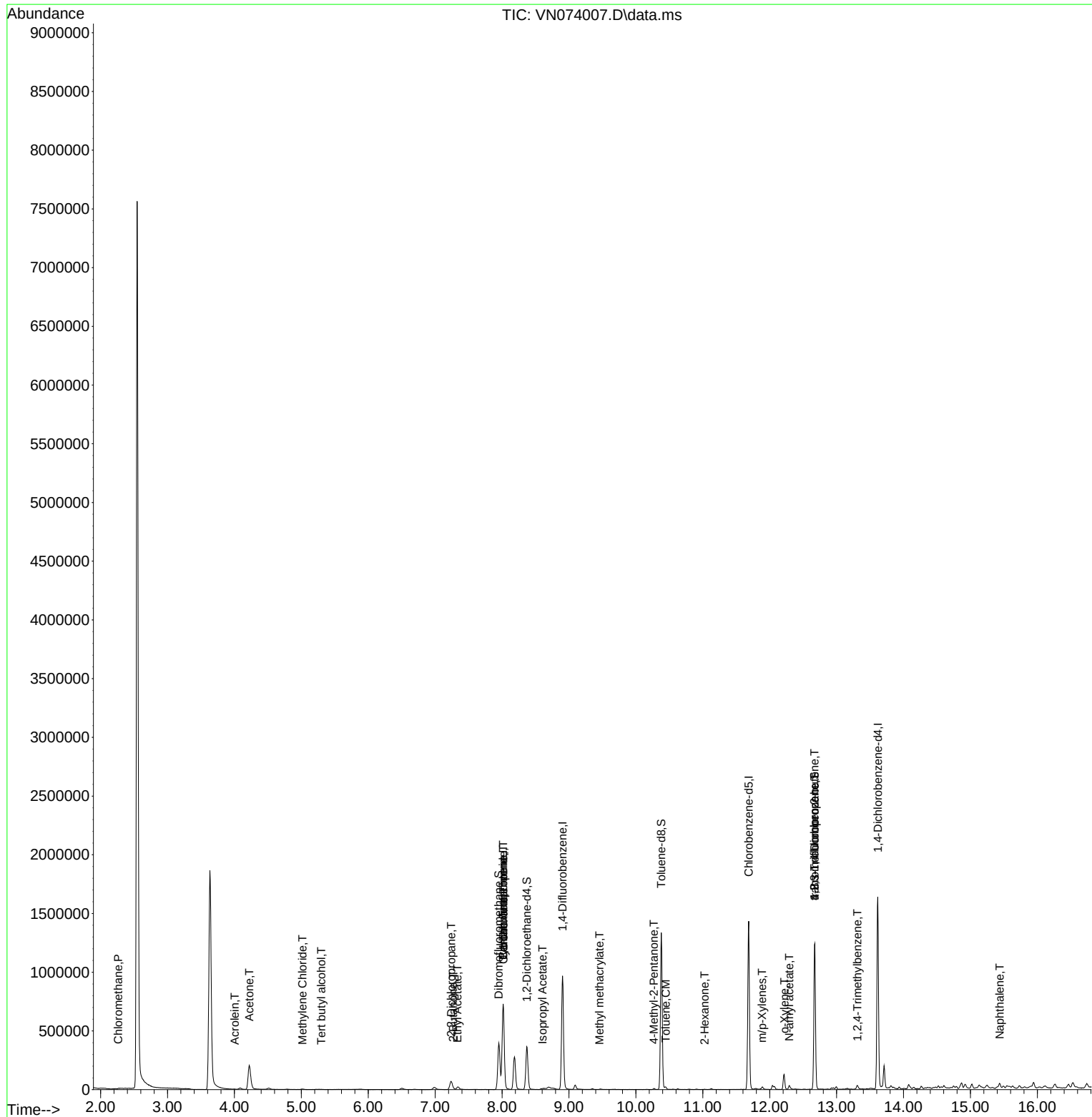
Internal Standards						
1) Pentafluorobenzene	8.016	168	623105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	914213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	875956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	489761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	304032	50.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 100.200%		
35) Dibromofluoromethane	7.951	113	289064	53.465	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 106.940%		
50) Toluene-d8	10.380	98	959676	45.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 91.660%		
62) 4-Bromofluorobenzene	12.669	95	422335	60.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 121.540%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	1150	0.209	ug/l	99
11) Tert butyl alcohol	5.298	59	3785	2.788	ug/l #	82
13) Acrolein	4.004	56	970	1.021	ug/l #	47
16) Acetone	4.222	43	377210	131.740	ug/l	100
18) Methyl Acetate	4.781	43	5373	Below Cal		90
20) Methylene Chloride	5.016	84	3482	0.576	ug/l #	80
25) 2-Butanone	7.269	43	9513	2.095	ug/l	91
26) 2,2-Dichloropropane	7.239	77	5031	0.557	ug/l #	53
31) Cyclohexane	8.022	56	10428	1.233	ug/l #	26
36) 1,1-Dichloropropene	8.016	75	39855	5.307	ug/l #	50
37) Ethyl Acetate	7.334	43	31569	3.470	ug/l	98
38) Carbon Tetrachloride	8.016	117	54943	6.401	ug/l #	16
43) Isopropyl Acetate	8.604	43	9500	0.733	ug/l #	53
48) Methyl methacrylate	9.457	41	1399	0.252	ug/l #	24
51) 4-Methyl-2-Pentanone	10.269	43	6020	0.687	ug/l	93
52) Toluene	10.445	92	7536	0.464	ug/l	98
59) 2-Hexanone	11.028	43	1811	0.269	ug/l	72
68) m/p-Xylenes	11.886	106	5797	0.461	ug/l	98
69) o-Xylene	12.222	106	3719	0.295	ug/l	90
74) N-amyl acetate	12.292	43	19581	1.452	ug/l #	46
76) 1,2,3-Trichloropropane	12.669	75	203186	19.960	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	203186	56.770	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.310	105	20926	0.722	ug/l	89
95) Naphthalene	15.439	128	31270	0.912	ug/l	96

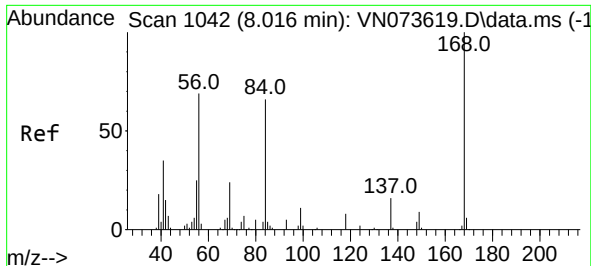
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration

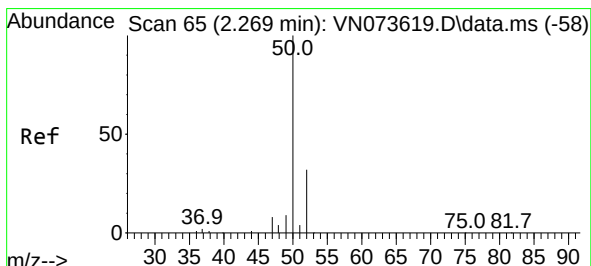
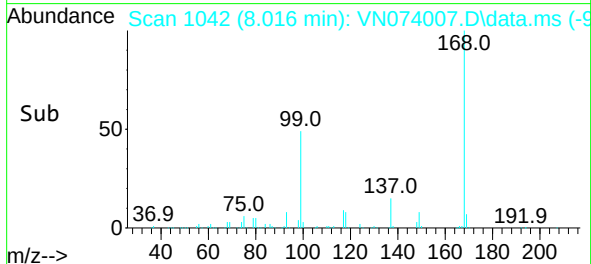
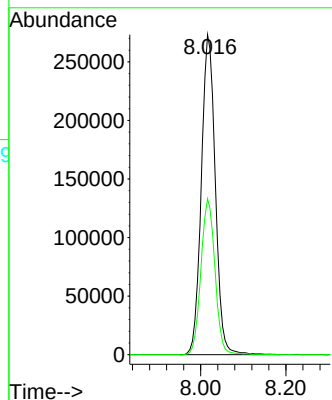
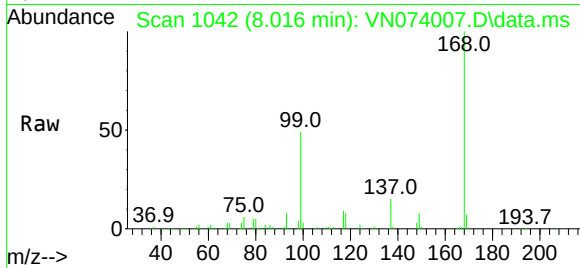




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

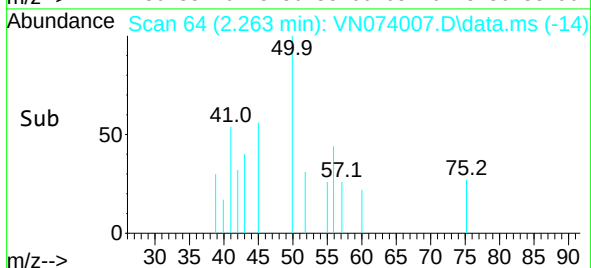
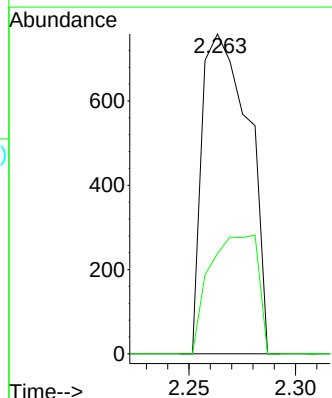
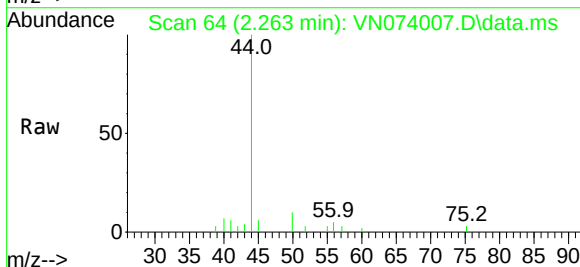
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

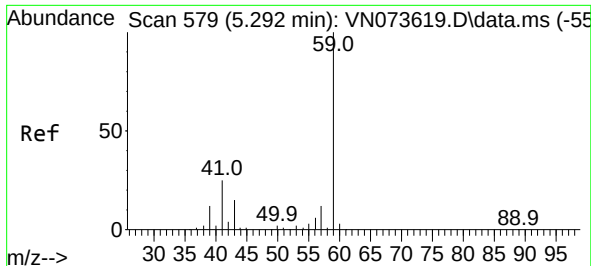
Tgt Ion:168 Resp: 623105
Ion Ratio Lower Upper
168 100
99 48.7 42.3 63.5



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 50 Resp: 1150
Ion Ratio Lower Upper
50 100
52 31.4 25.7 38.5

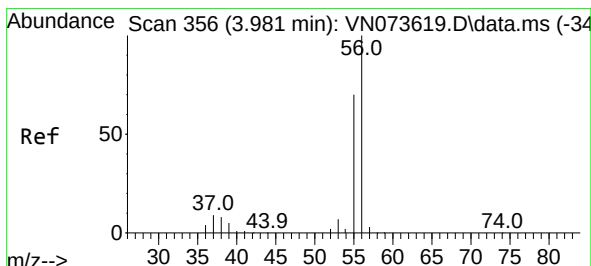
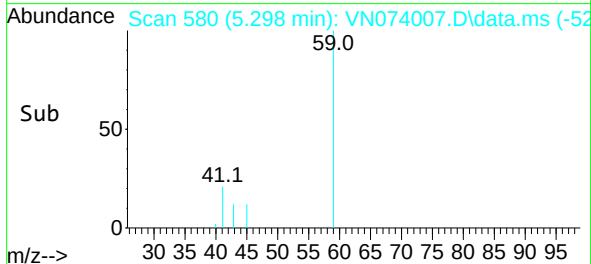
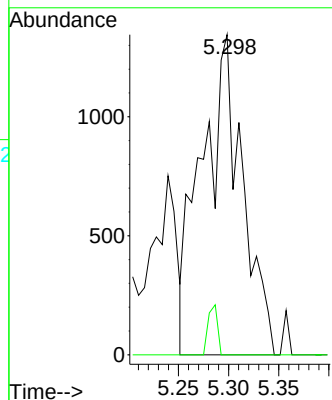
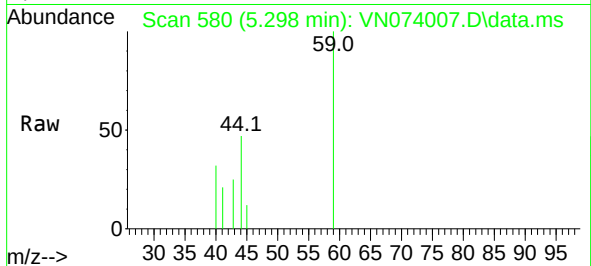




#11
Tert butyl alcohol
Concen: 2.788 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

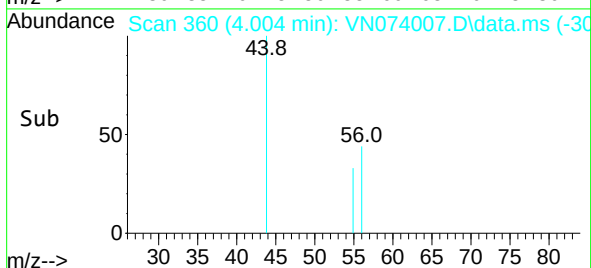
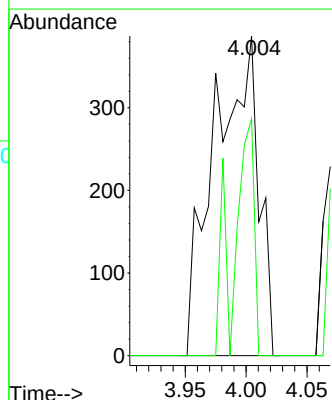
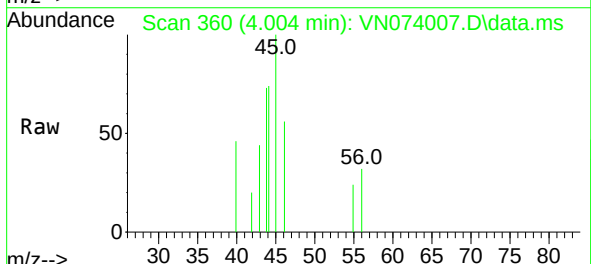
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

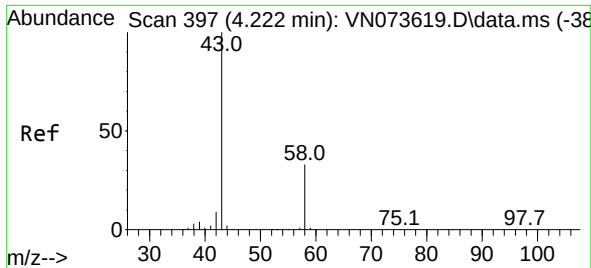
Tgt Ion: 59 Resp: 3785
Ion Ratio Lower Upper
59 100
57 3.6 8.3 12.5#



#13
Acrolein
Concen: 1.021 ug/l
RT: 4.004 min Scan# 360
Delta R.T. 0.023 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 56 Resp: 970
Ion Ratio Lower Upper
56 100
55 25.4 54.8 82.2#

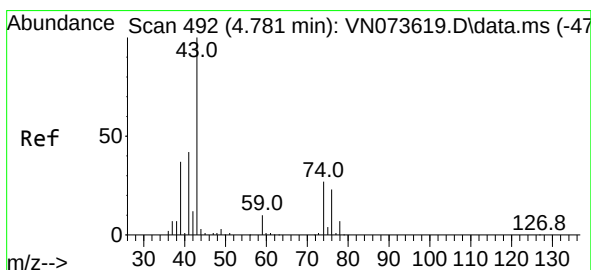
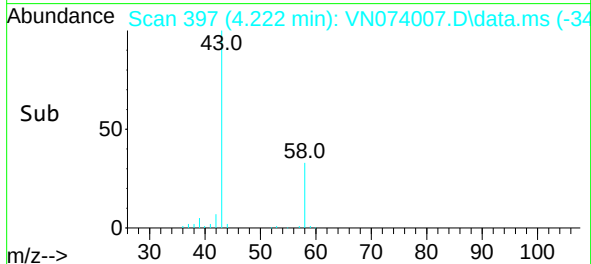
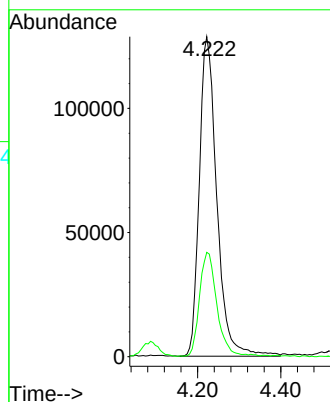
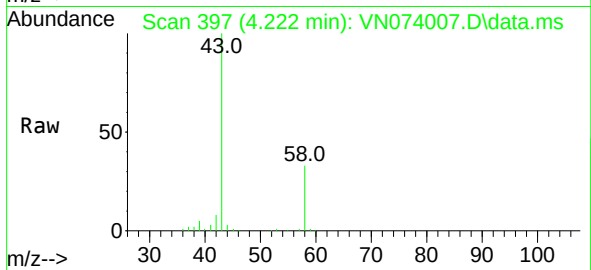




#16
Acetone
Concen: 131.740 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

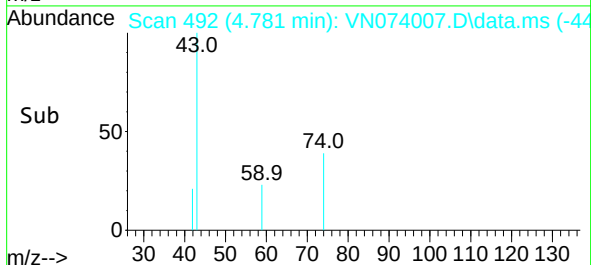
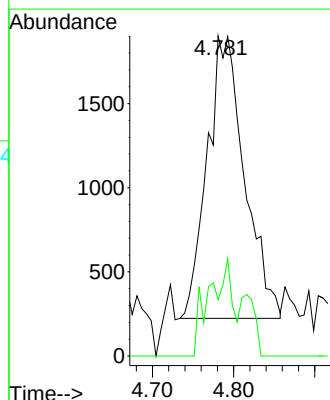
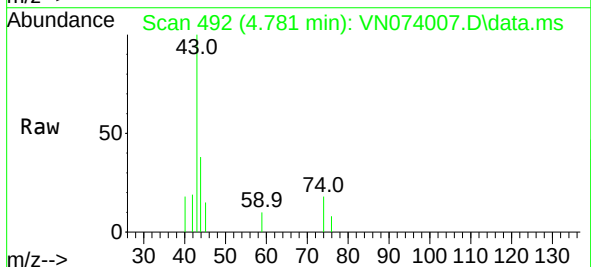
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

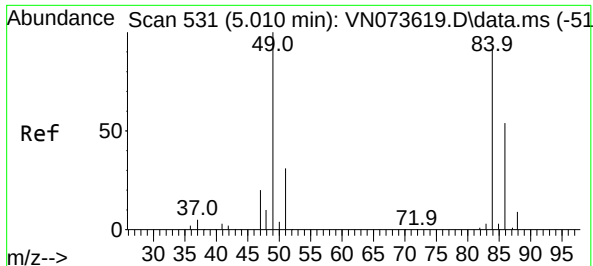
Tgt Ion: 43 Resp: 377210
Ion Ratio Lower Upper
43 100
58 32.4 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 43 Resp: 5373
Ion Ratio Lower Upper
43 100
74 21.6 21.6 32.4



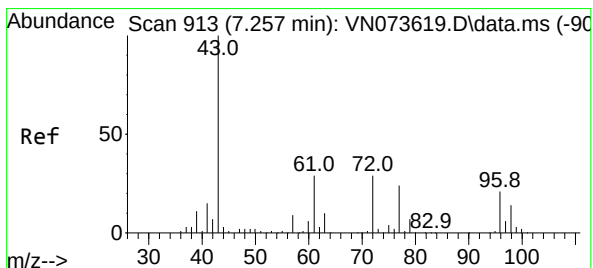
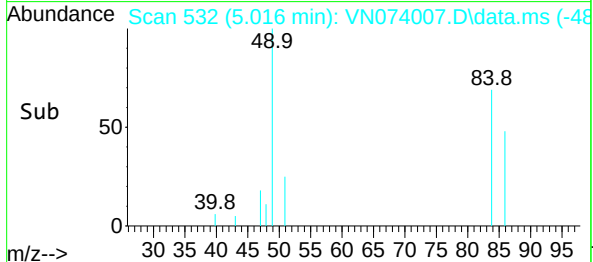
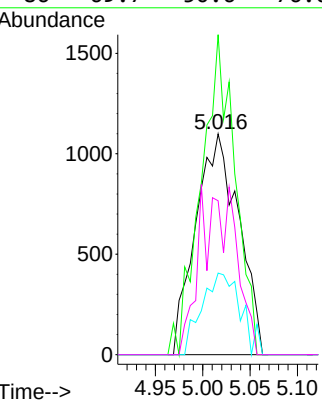
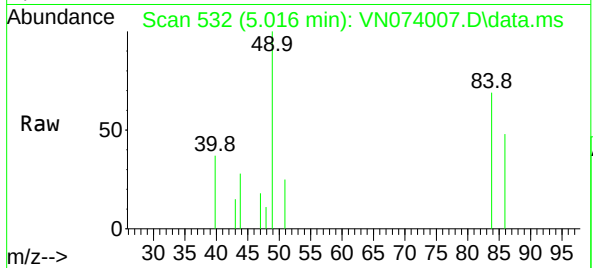


#20
Methylene Chloride
Concen: 0.576 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

Tgt Ion: 84 Resp: 3482

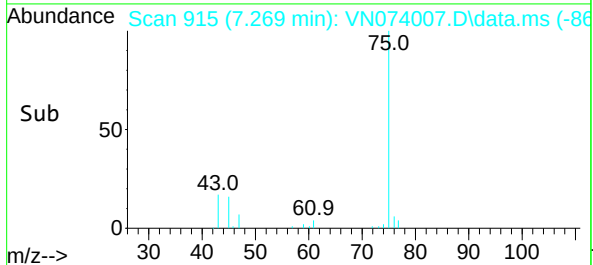
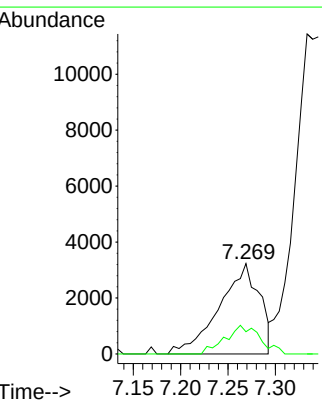
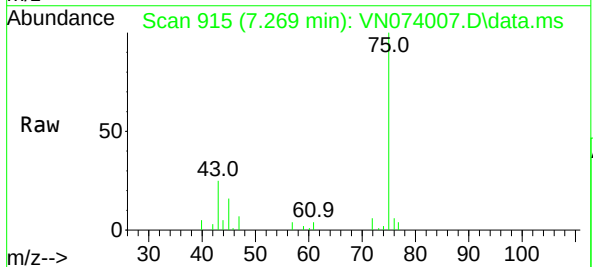
Ion	Ratio	Lower	Upper
84	100		
49	144.9	88.3	132.5#
51	36.9	28.2	42.2
86	69.7	50.6	76.0

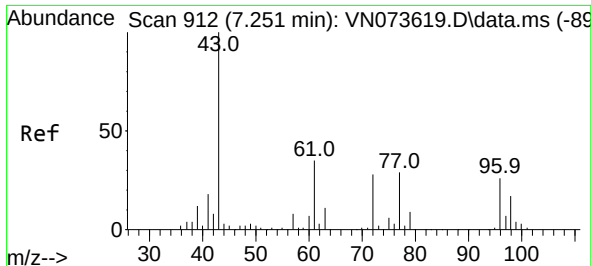


#25
2-Butanone
Concen: 2.095 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 43 Resp: 9513

Ion	Ratio	Lower	Upper
43	100		
72	24.6	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.557 ug/l

RT: 7.239 min Scan# 912

Delta R.T. -0.012 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

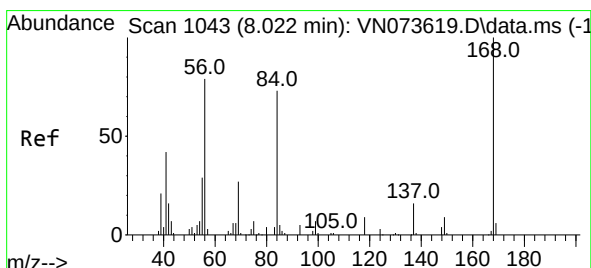
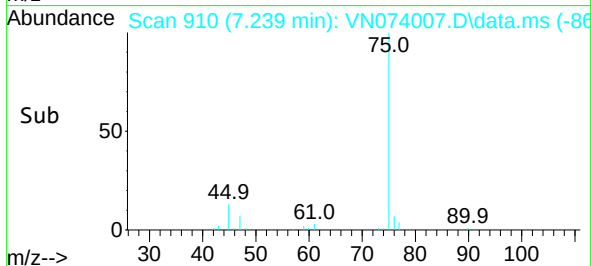
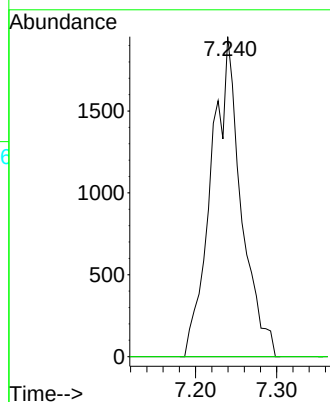
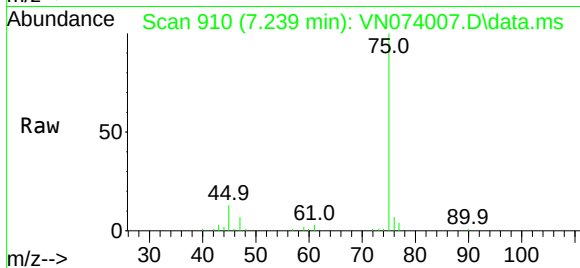
TRE-1632

Tgt Ion: 77 Resp: 5031

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

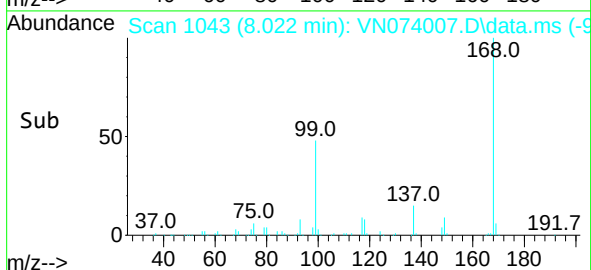
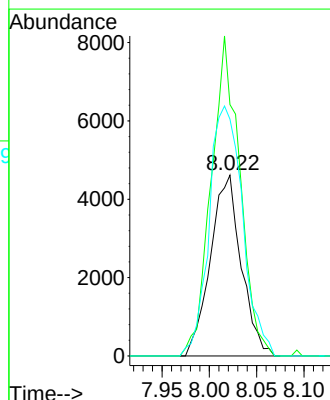
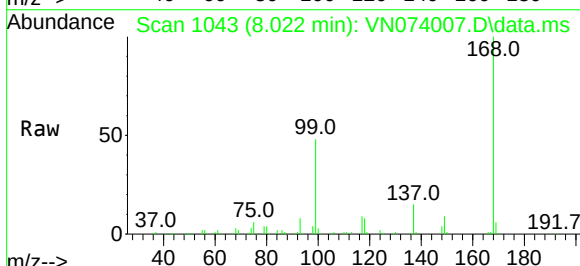
Tgt Ion: 56 Resp: 10428

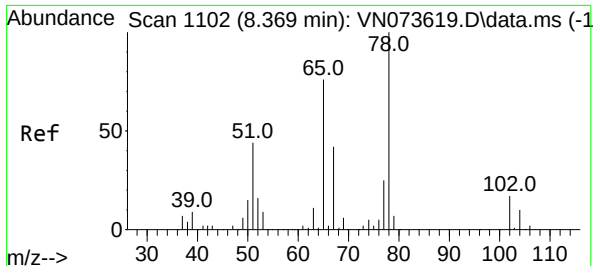
Ion Ratio Lower Upper

56 100

69 139.1 27.8 41.8#

84 131.0 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.096 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

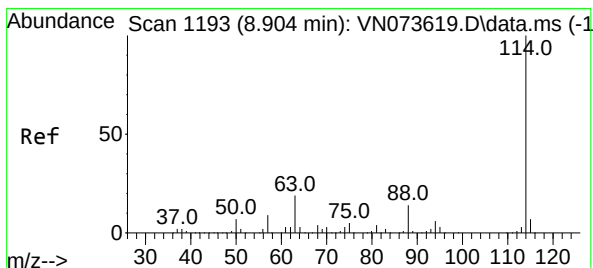
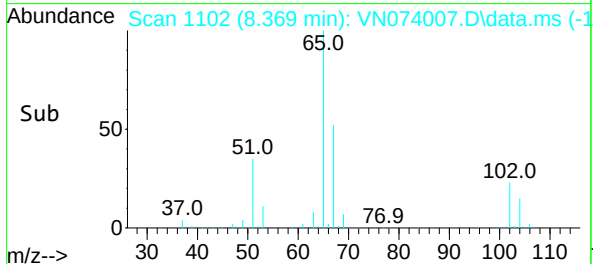
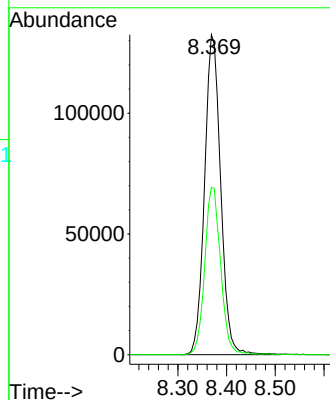
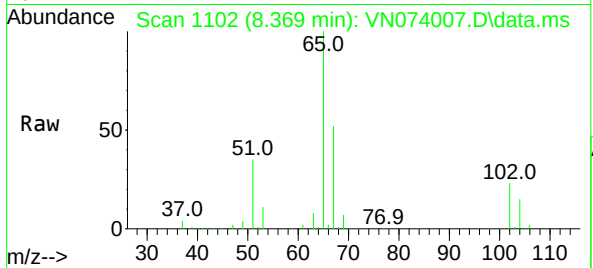
TRE-1632

Tgt Ion: 65 Resp: 304032

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

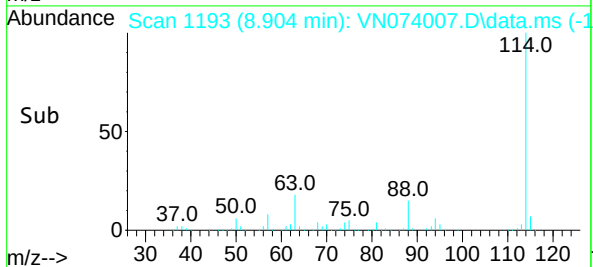
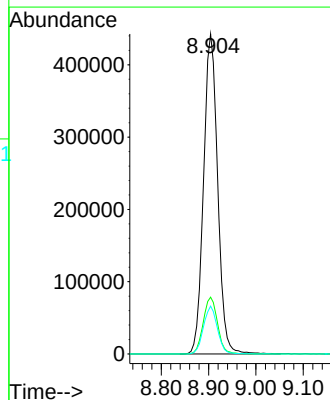
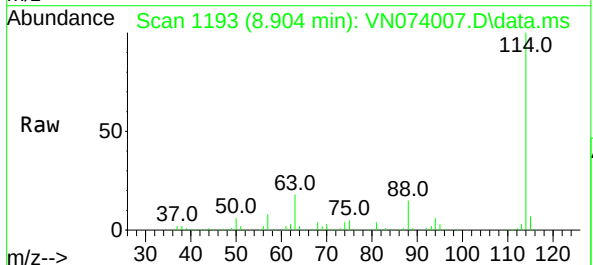
Tgt Ion: 114 Resp: 914213

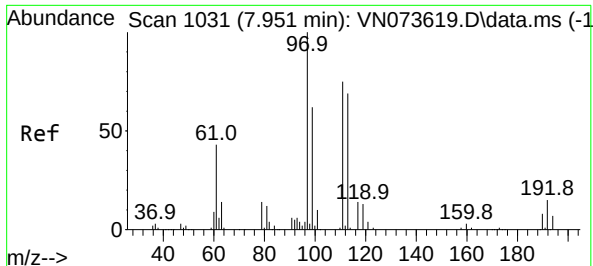
Ion Ratio Lower Upper

114 100

63 17.7 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.465 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

Instrument :

MSVOA_N

ClientSampleId :

TRE-1632

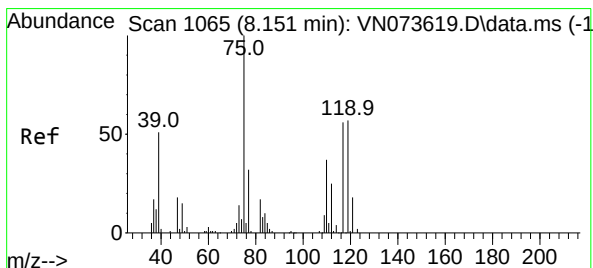
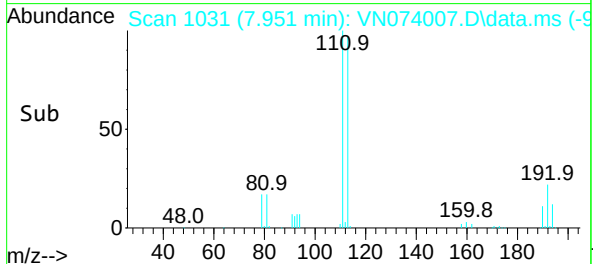
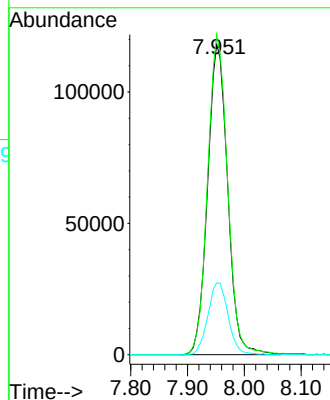
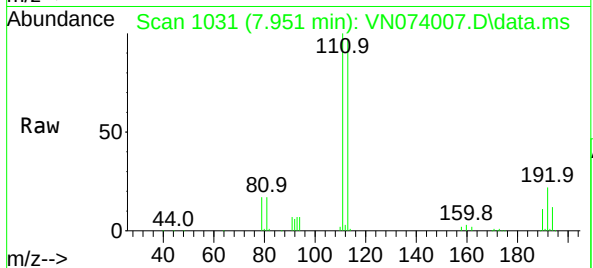
Tgt Ion:113 Resp: 289064

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 23.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.307 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

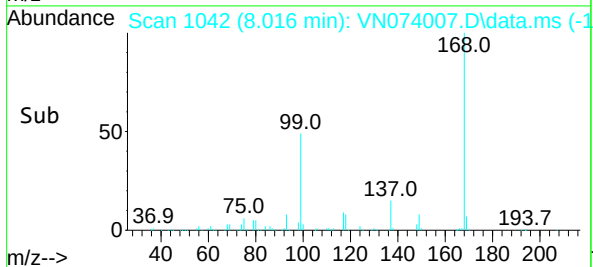
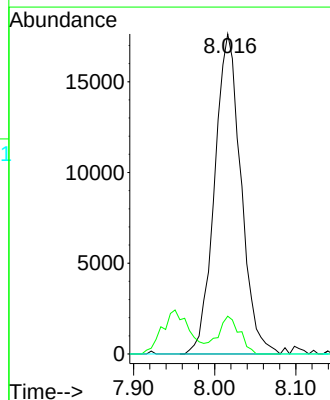
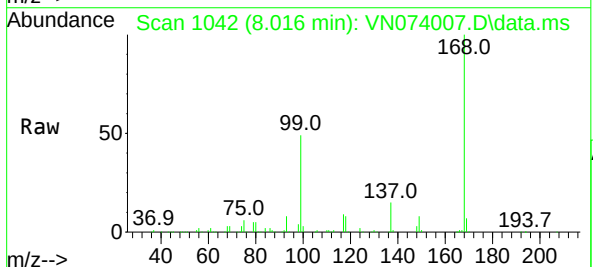
Tgt Ion: 75 Resp: 39855

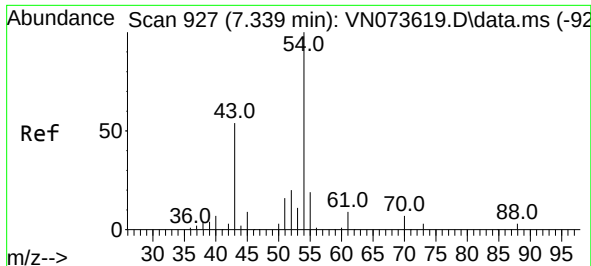
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 25.1 37.7#

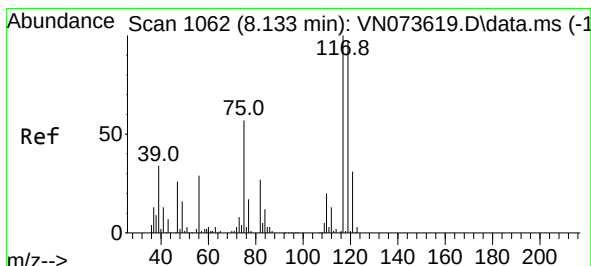
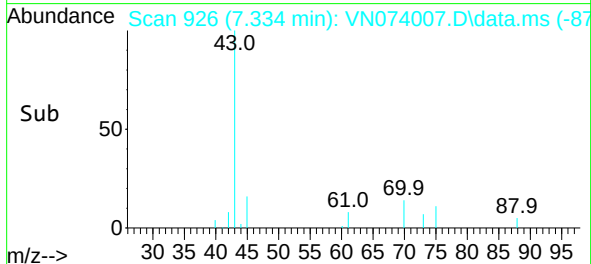
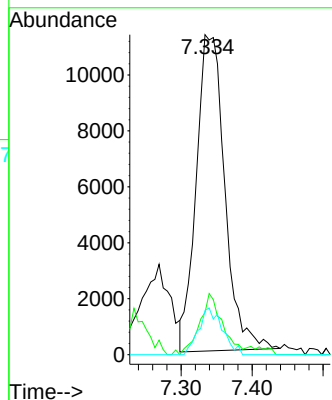
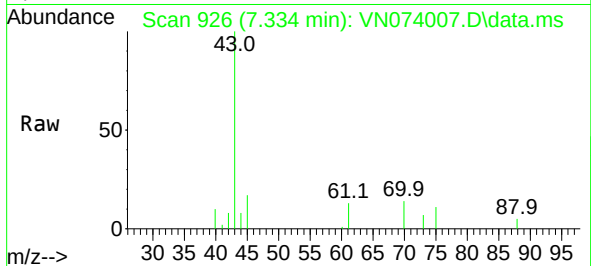




#37
Ethyl Acetate
Concen: 3.470 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

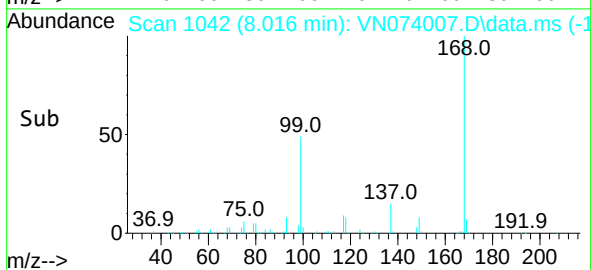
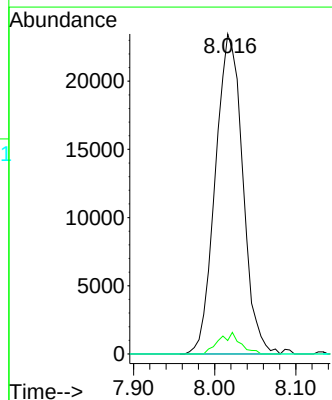
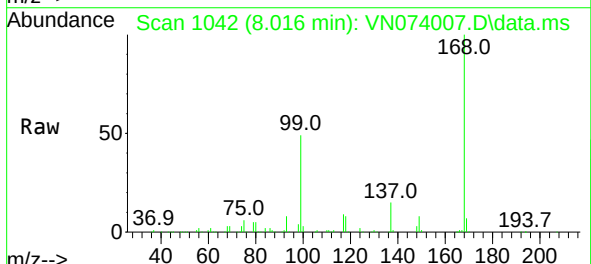
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

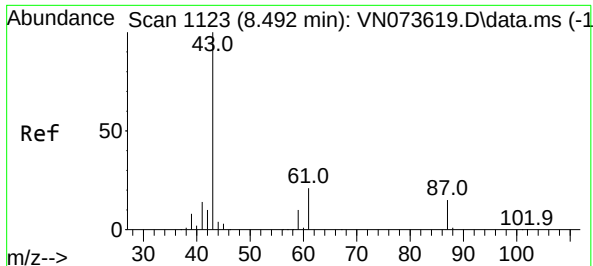
Tgt Ion: 43 Resp: 31569
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 12.3 9.3 13.9



#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.117 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 117 Resp: 54943
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.733 ug/l

RT: 8.604 min Scan# 1123

Delta R.T. 0.112 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

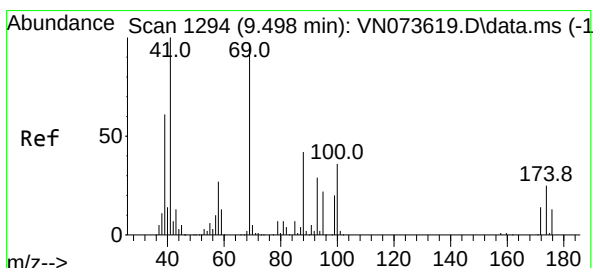
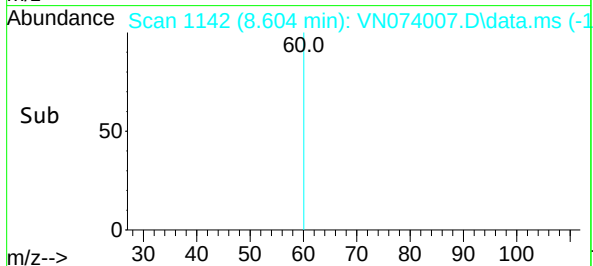
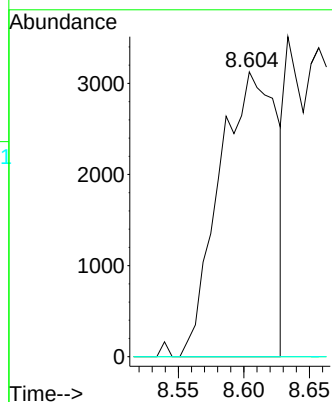
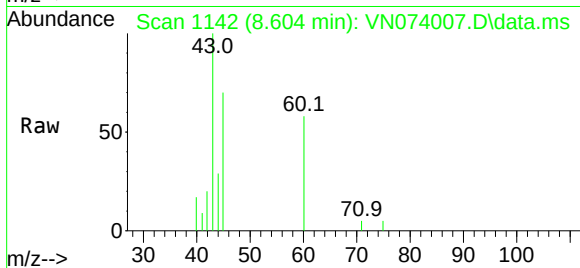
Instrument :

MSVOA_N

ClientSampleId :

TRE-1632

Tgt Ion:	43	Resp:	9500
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#48

Methyl methacrylate

Concen: 0.252 ug/l

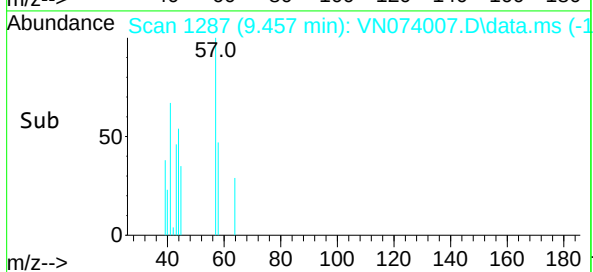
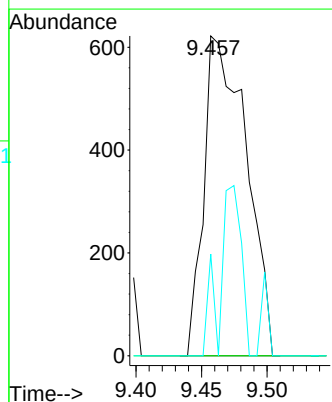
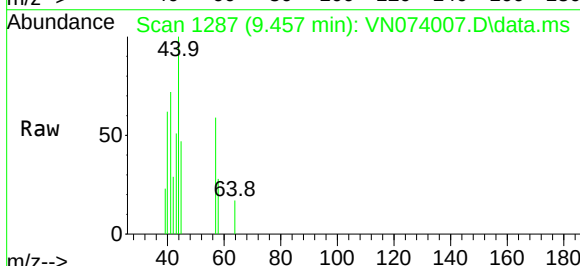
RT: 9.457 min Scan# 1287

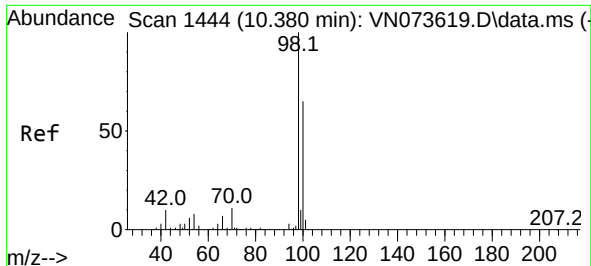
Delta R.T. -0.041 min

Lab File: VN074007.D

Acq: 18 Aug 2022 16:12

Tgt Ion:	41	Resp:	1399
Ion	Ratio	Lower	Upper
41	100		
69	0.0	74.7	112.1#
39	26.9	45.6	68.4#

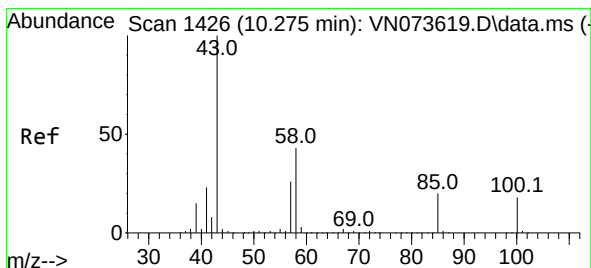
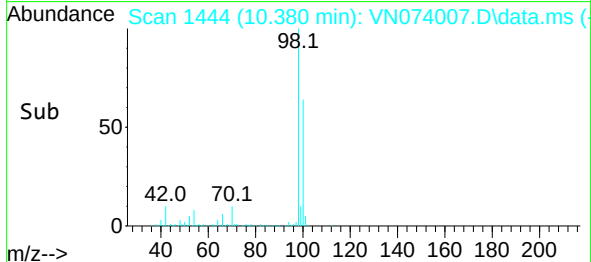
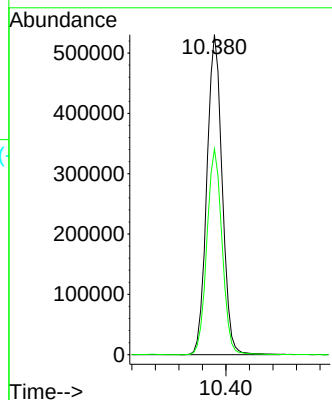
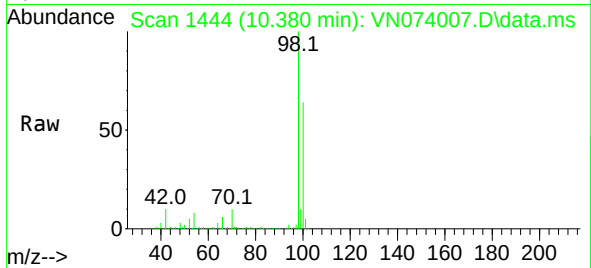




#50
Toluene-d8
Concen: 45.832 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

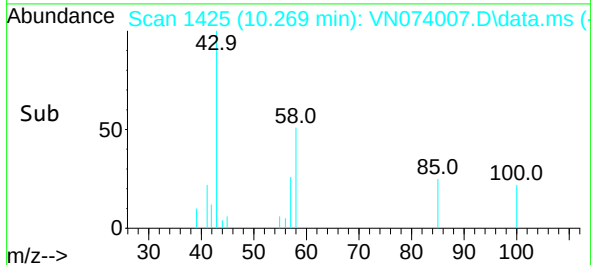
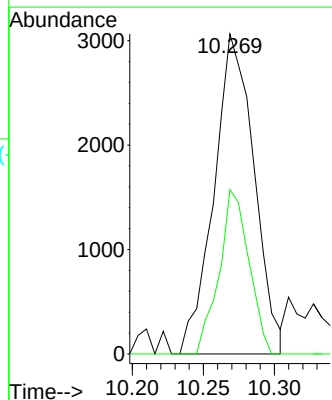
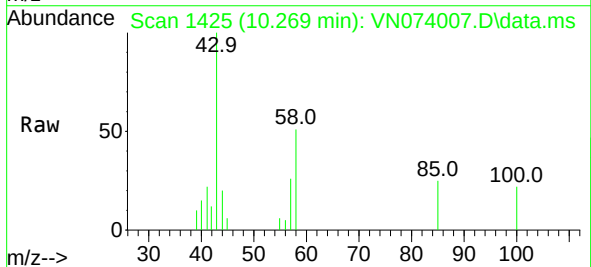
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

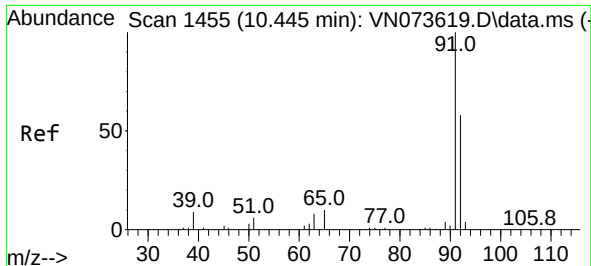
Tgt Ion: 98 Resp: 959676
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.687 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 43 Resp: 6020
Ion Ratio Lower Upper
43 100
58 38.1 34.1 51.1

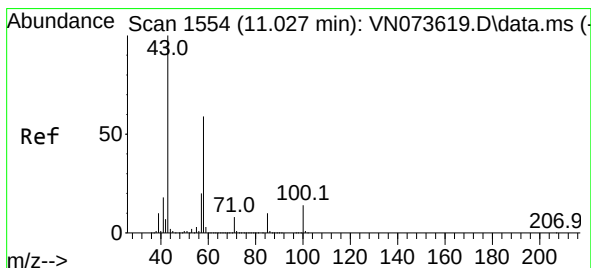
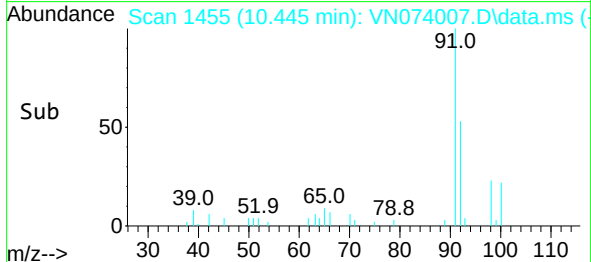
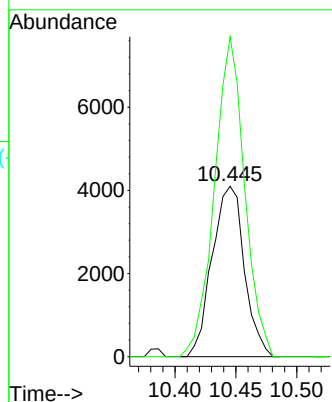
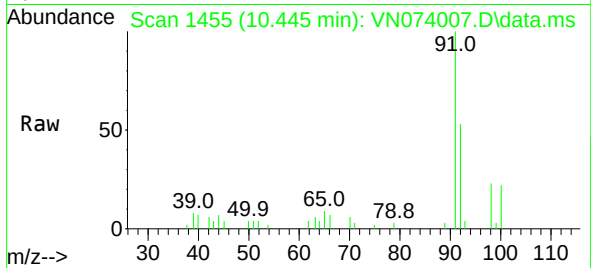




#52
Toluene
Concen: 0.464 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

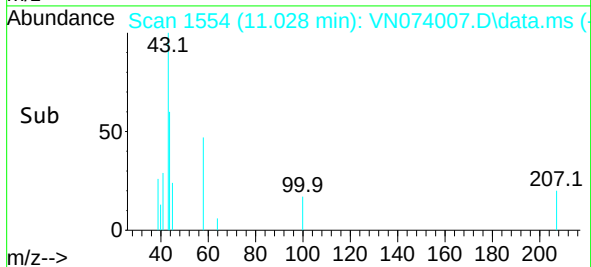
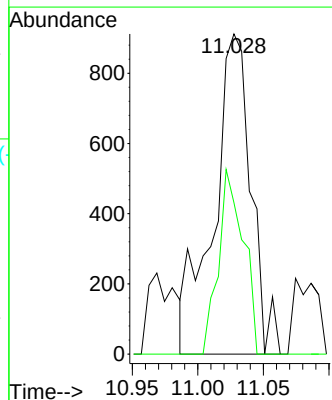
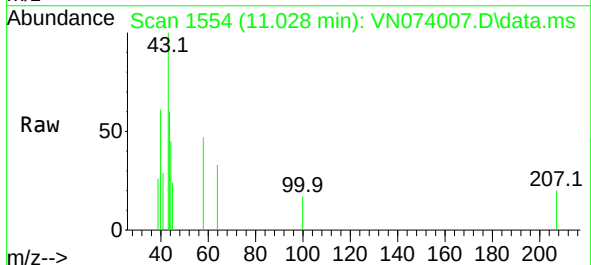
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

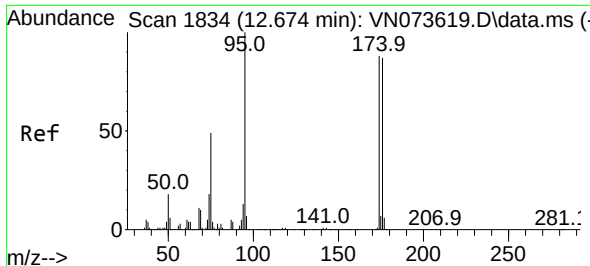
Tgt Ion: 92 Resp: 7536
Ion Ratio Lower Upper
92 100
91 176.1 138.6 207.8



#59
2-Hexanone
Concen: 0.269 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.001 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 43 Resp: 1811
Ion Ratio Lower Upper
43 100
58 38.3 29.7 89.1

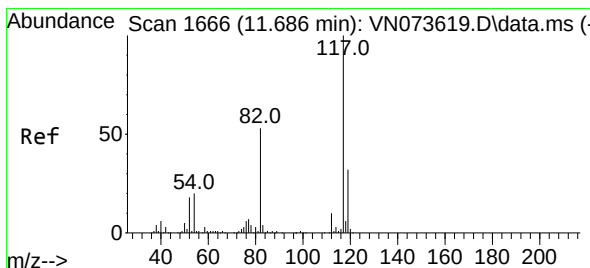
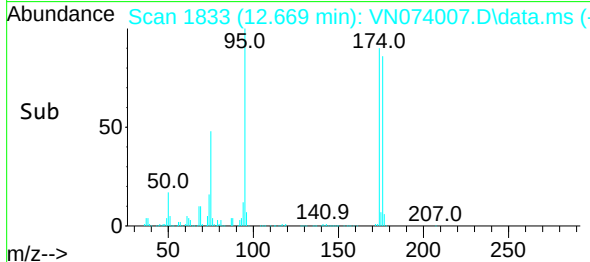
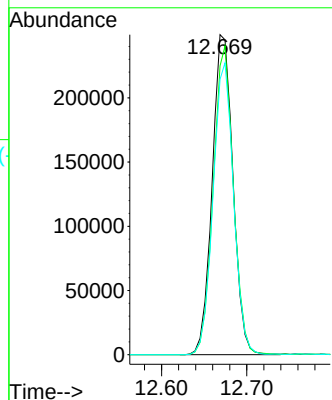
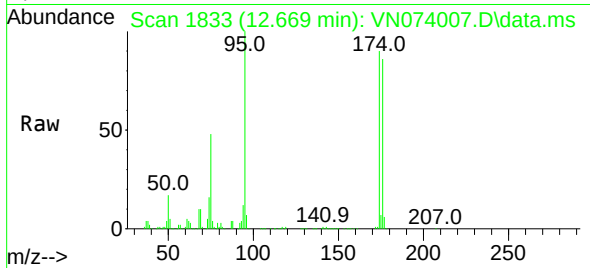




#62
4-Bromofluorobenzene
Concen: 60.774 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

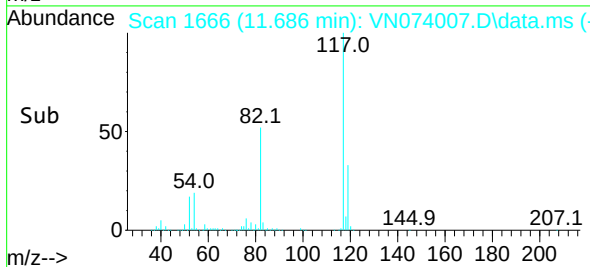
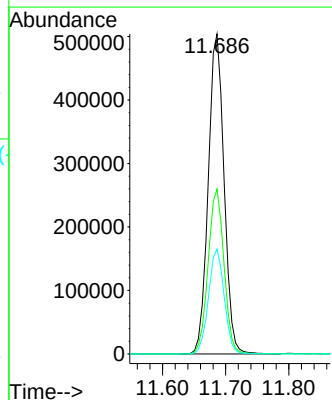
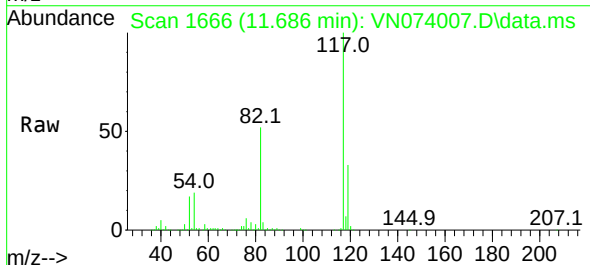
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

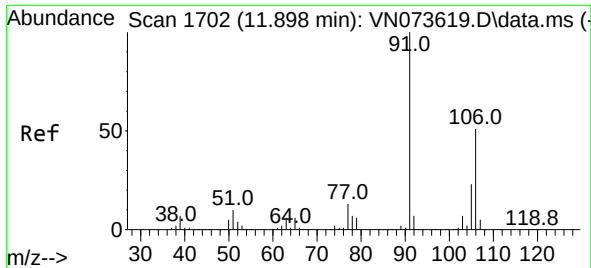
Tgt Ion: 95 Resp: 422335
Ion Ratio Lower Upper
95 100
174 93.4 0.0 167.6
176 89.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 117 Resp: 875956
Ion Ratio Lower Upper
117 100
82 51.5 44.2 66.2
119 32.8 25.4 38.0

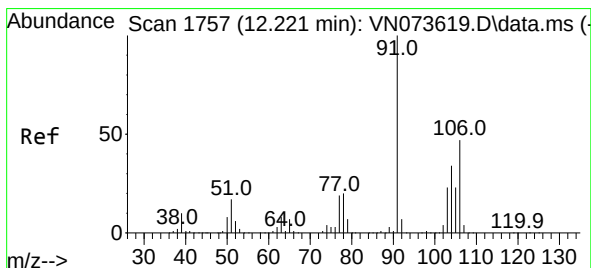
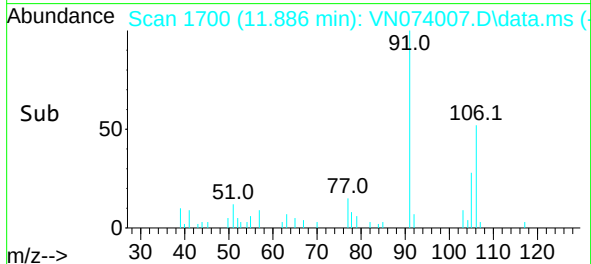
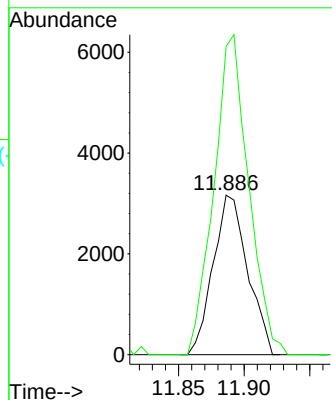
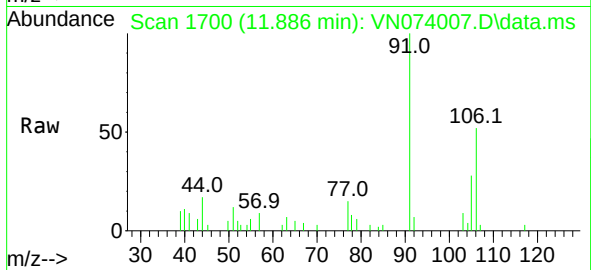




#68
m/p-Xylenes
Concen: 0.461 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

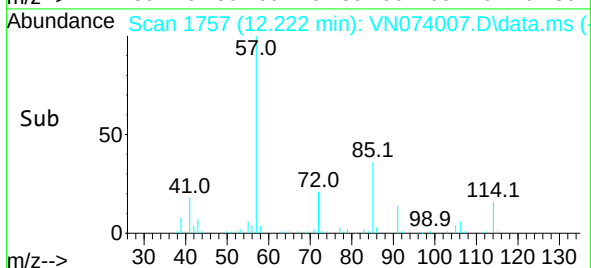
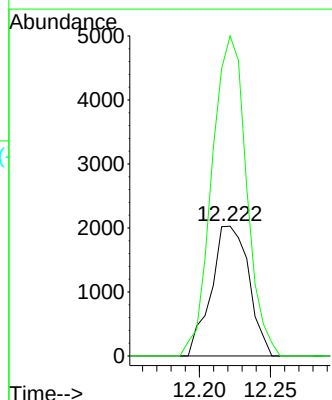
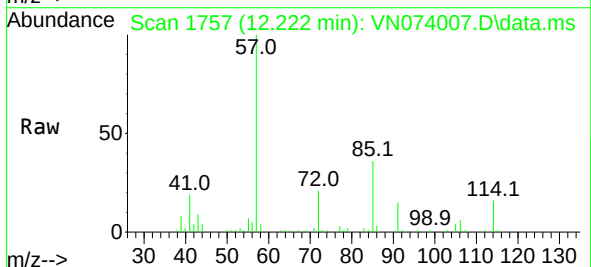
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

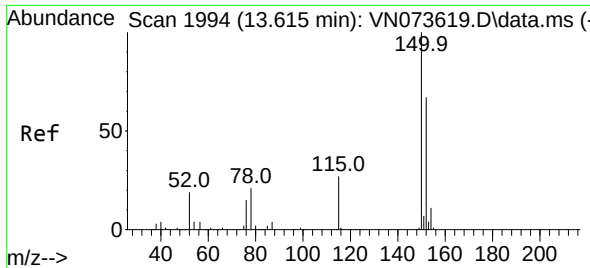
Tgt Ion:106 Resp: 5797
Ion Ratio Lower Upper
106 100
91 201.9 158.9 238.3



#69
o-Xylene
Concen: 0.295 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion:106 Resp: 3719
Ion Ratio Lower Upper
106 100
91 227.3 106.0 318.0

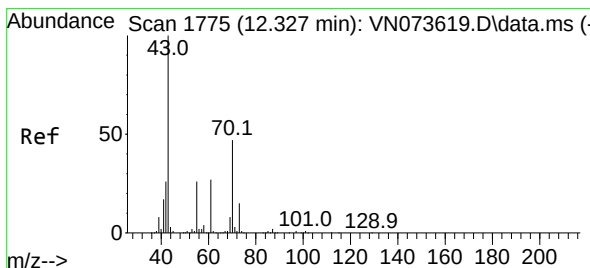
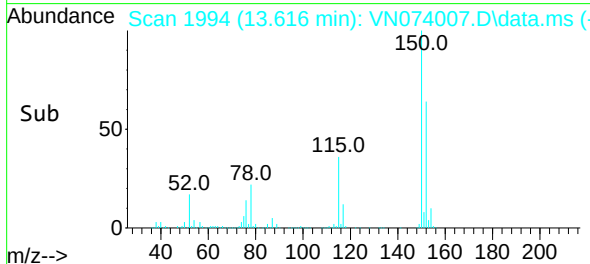
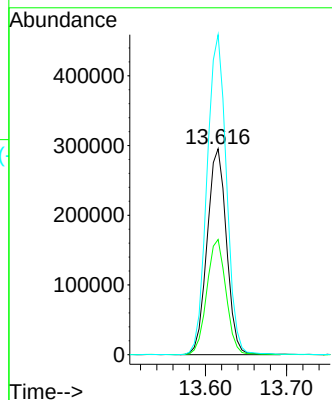
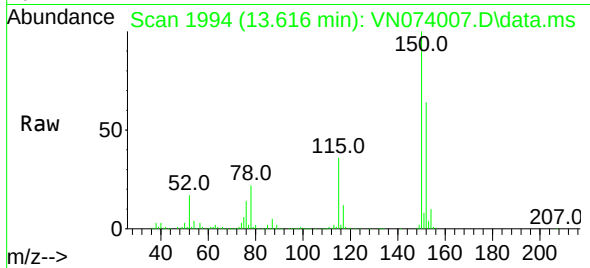




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

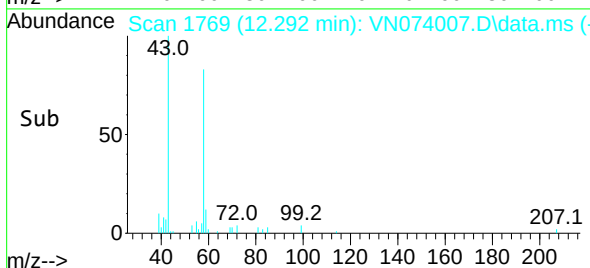
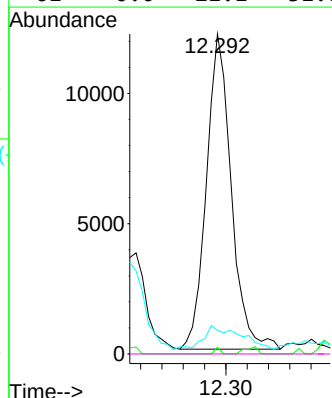
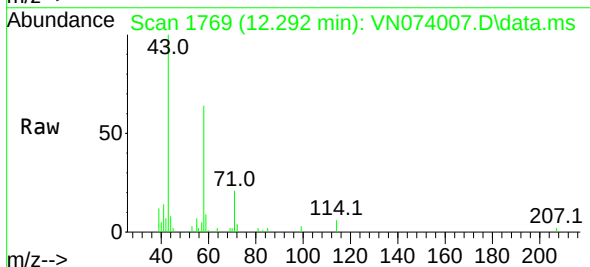
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

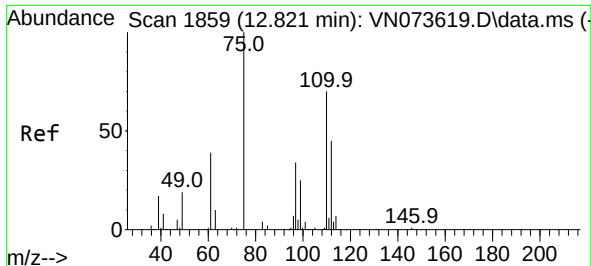
Tgt Ion:152 Resp: 489761
Ion Ratio Lower Upper
152 100
115 55.1 28.9 86.7
150 155.6 0.0 356.2



#74
N-ethyl acetate
Concen: 1.452 ug/l
RT: 12.292 min Scan# 1769
Delta R.T. -0.035 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 43 Resp: 19581
Ion Ratio Lower Upper
43 100
70 0.5 39.0 58.4#
55 13.4 21.1 31.7#
61 0.0 21.1 31.7#

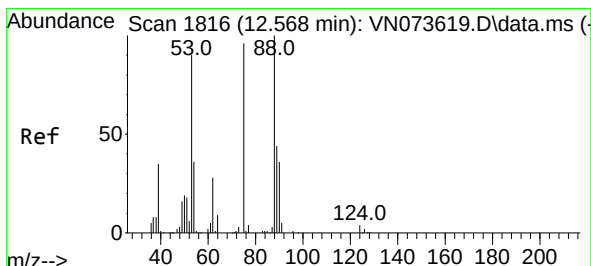
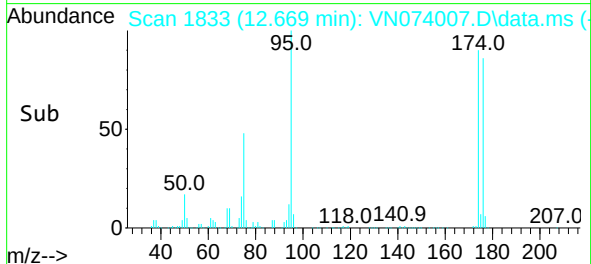
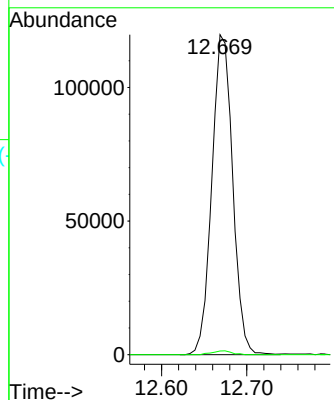
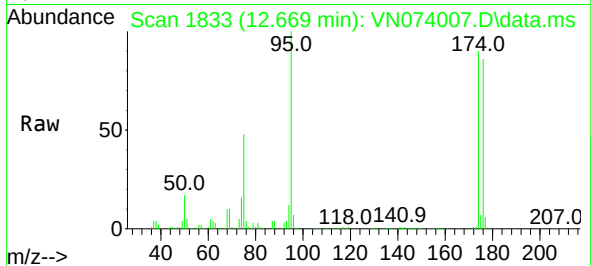




#76
1,2,3-Trichloropropane
Concen: 19.960 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

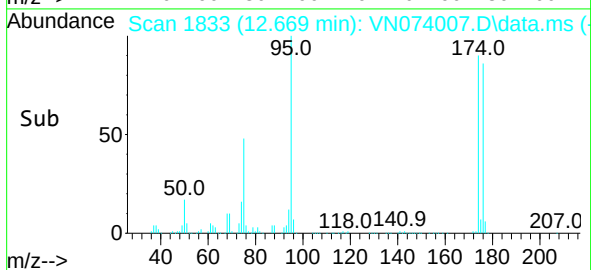
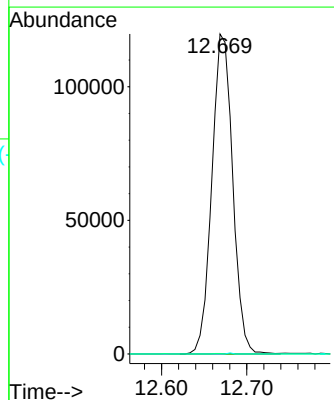
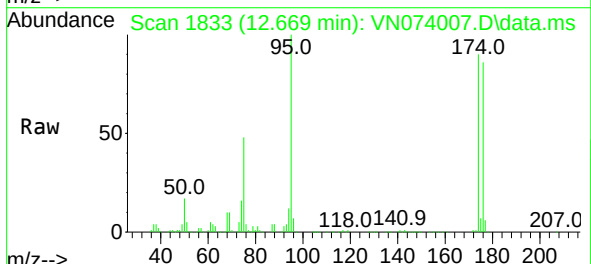
Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

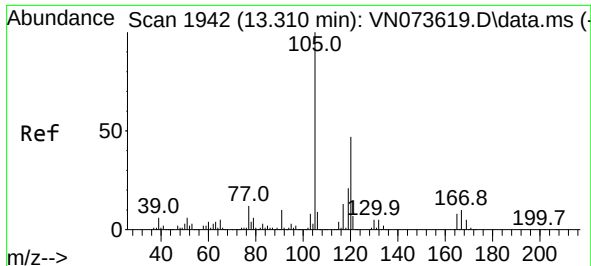
Tgt Ion: 75 Resp: 203186
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.770 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.101 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion: 75 Resp: 203186
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

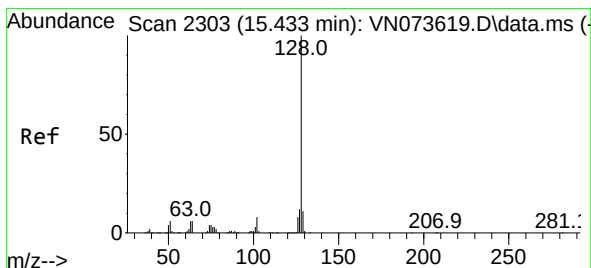
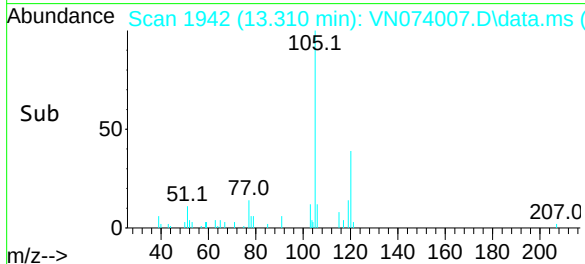
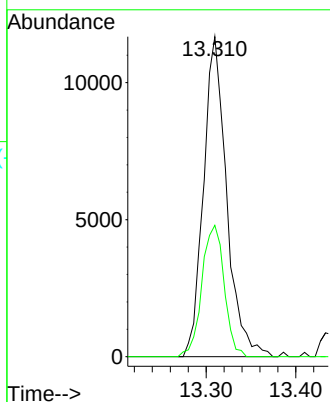
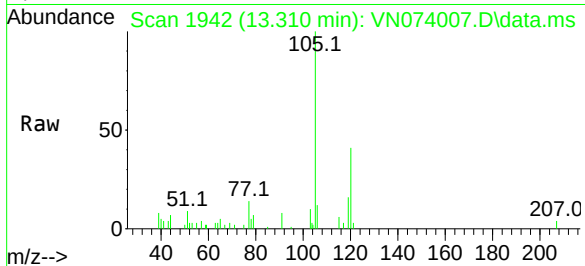




#84
1,2,4-Trimethylbenzene
Concen: 0.722 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Instrument :
MSVOA_N
ClientSampleId :
TRE-1632

Tgt Ion:105 Resp: 20926
Ion Ratio Lower Upper
105 100
120 39.5 23.3 69.8



#95
Naphthalene
Concen: 0.912 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN074007.D
Acq: 18 Aug 2022 16:12

Tgt Ion:128 Resp: 31270
Ion Ratio Lower Upper
128 100
127 14.0 10.3 15.5
129 12.7 8.6 13.0

