

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062922\
 Data File : VN073242.D
 Acq On : 29 Jun 2022 14:52
 Operator : JC\MD
 Sample : N3504-01DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1613DL

Quant Time: Jun 29 15:44:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

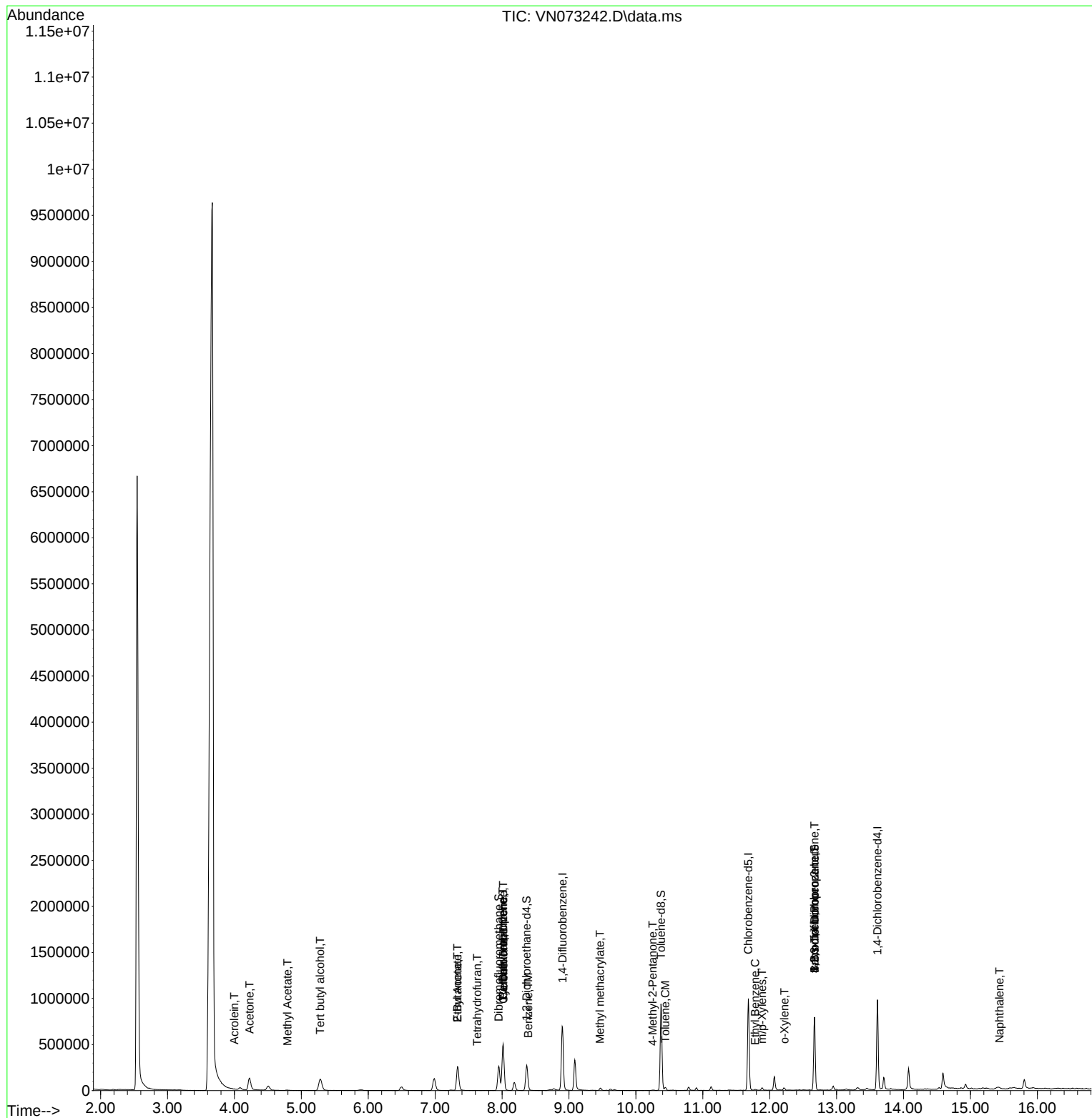
Internal Standards						
1) Pentafluorobenzene	8.016	168	386583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	628605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	561099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	264188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	226714	40.624	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	81.240%		
35) Dibromofluoromethane	7.951	113	195462	46.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	10.375	98	654077	44.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.060%		
62) 4-Bromofluorobenzene	12.669	95	281075	49.240	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.480%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.281	59	241367	178.538	ug/l	99
13) Acrolein	3.999	56	933	1.092	ug/l	90
16) Acetone	4.228	43	237868	75.934	ug/l	93
18) Methyl Acetate	4.793	43	9276	1.057	ug/l #	74
25) 2-Butanone	7.334	43	420733	84.359	ug/l #	45
29) Tetrahydrofuran	7.628	42	882	0.258	ug/l #	34
31) Cyclohexane	8.022	56	8639	0.945	ug/l #	37
36) 1,1-Dichloropropene	8.010	75	30184	4.690	ug/l #	49
37) Ethyl Acetate	7.334	43	420733	43.270	ug/l	97
38) Carbon Tetrachloride	8.016	117	37749	5.672	ug/l #	15
40) Benzene	8.392	78	9464	0.477	ug/l	95
48) Methyl methacrylate	9.463	41	4278	0.661	ug/l #	37
51) 4-Methyl-2-Pentanone	10.251	43	4100	0.463	ug/l #	60
52) Toluene	10.439	92	12376	1.008	ug/l	88
67) Ethyl Benzene	11.780	91	6242	0.271	ug/l #	87
68) m/p-Xylenes	11.886	106	7954	0.915	ug/l	99
69) o-Xylene	12.222	106	4981	0.561	ug/l	95
71) Bromoform	12.669	173	1809	0.530	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	141204	20.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	141204	56.058	ug/l #	10
95) Naphthalene	15.433	128	9435	0.463	ug/l #	96

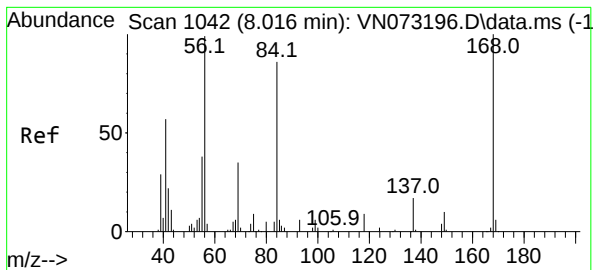
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

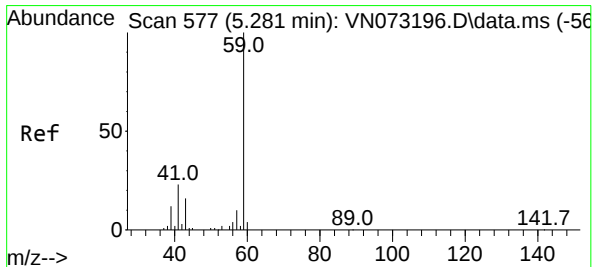
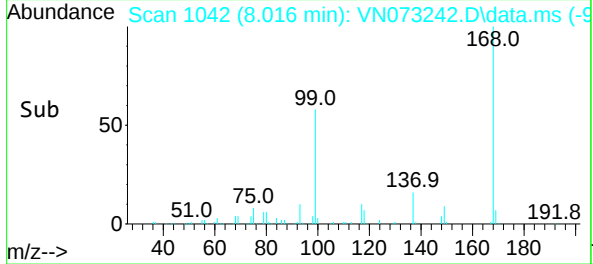
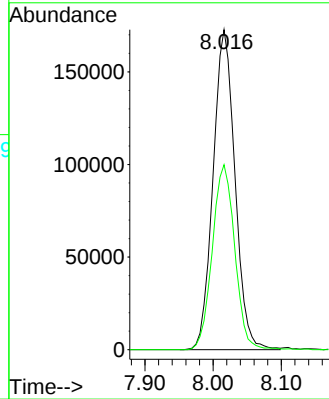
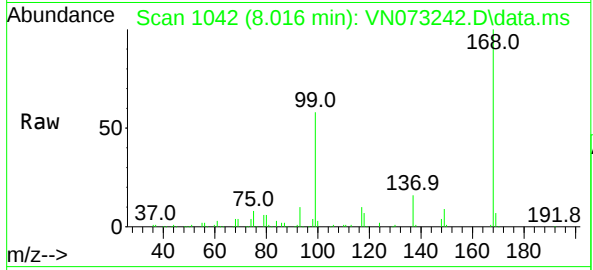




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

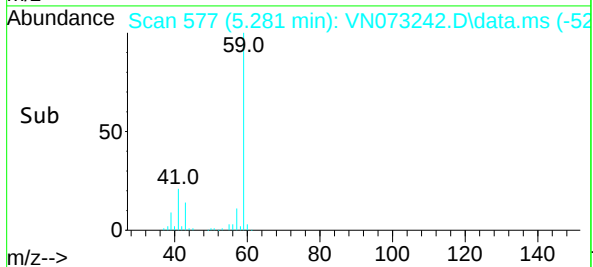
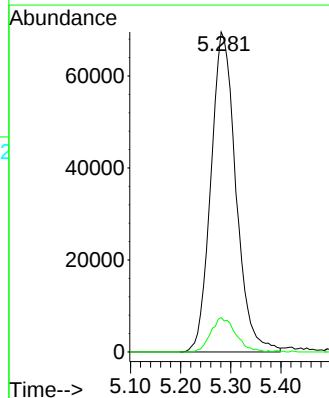
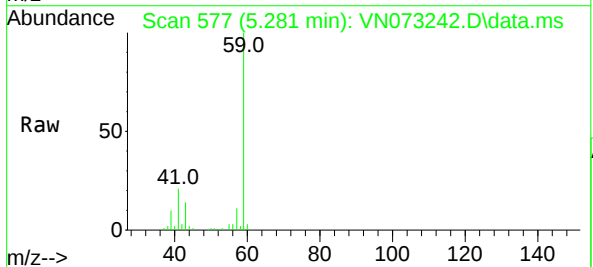
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

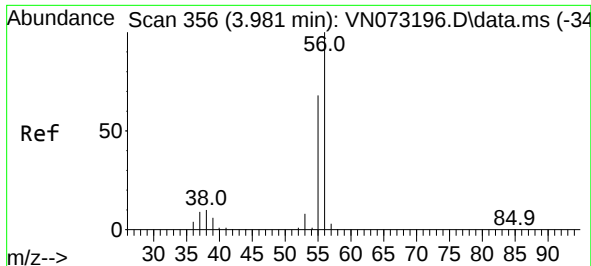
Tgt Ion:168 Resp: 386583
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#11
Tert butyl alcohol
Concen: 178.538 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 59 Resp: 241367
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

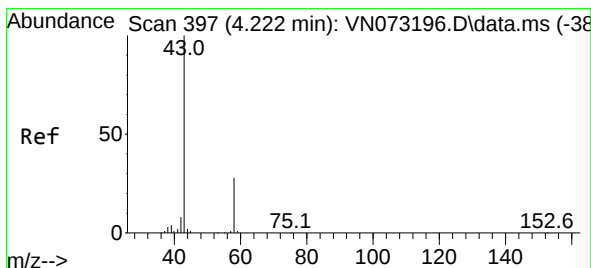
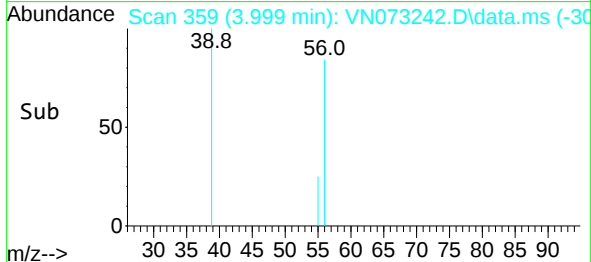
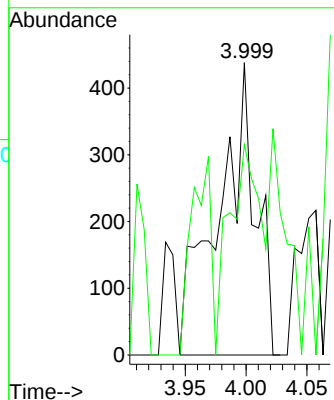
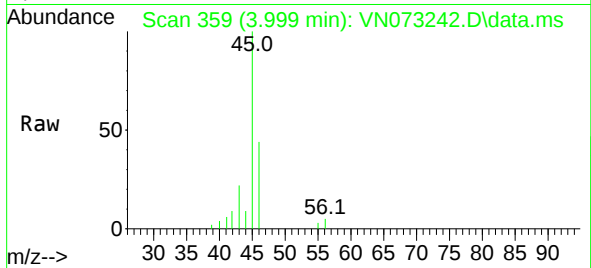




#13
Acrolein
Concen: 1.092 ug/l
RT: 3.999 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

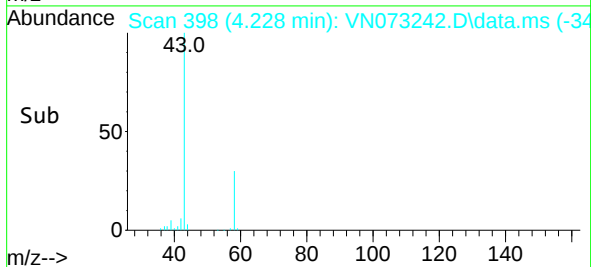
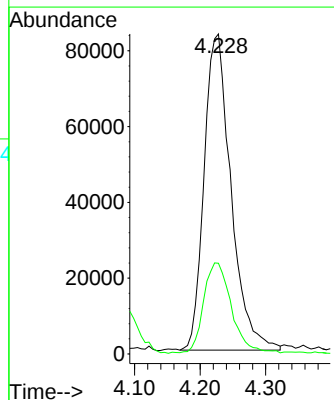
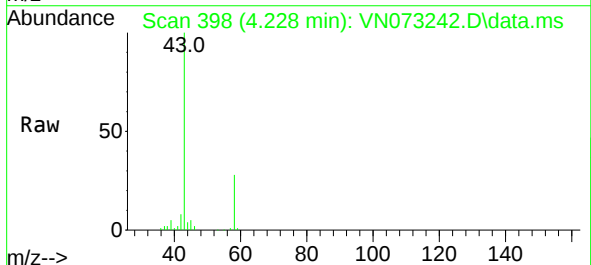
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

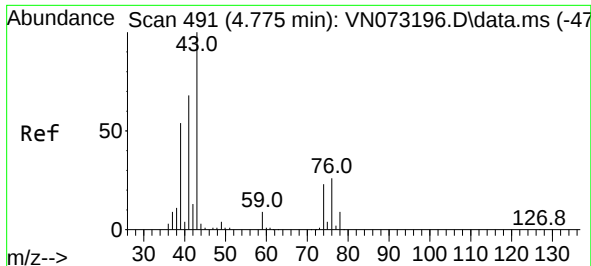
Tgt Ion: 56 Resp: 933
Ion Ratio Lower Upper
56 100
55 60.3 54.8 82.2



#16
Acetone
Concen: 75.934 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 43 Resp: 237868
Ion Ratio Lower Upper
43 100
58 28.3 26.0 39.0

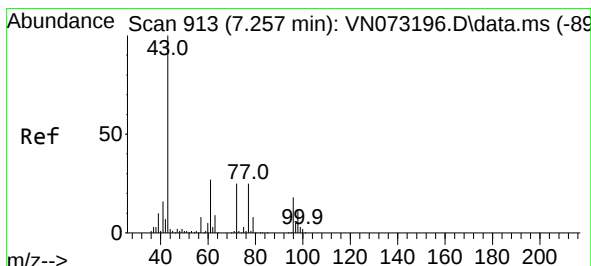
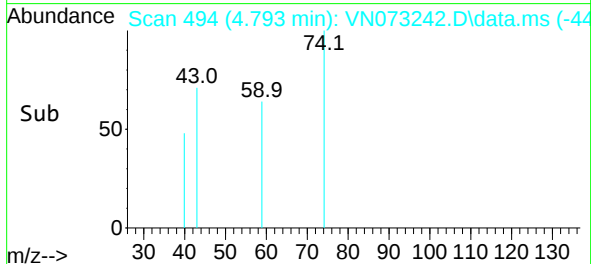
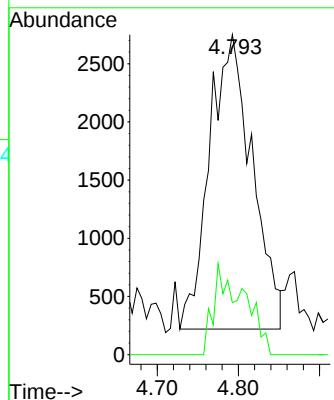
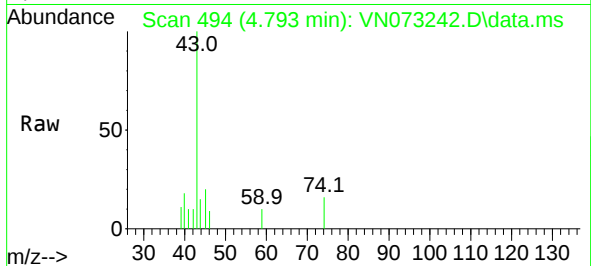




#18
Methyl Acetate
Concen: 1.057 ug/l
RT: 4.793 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

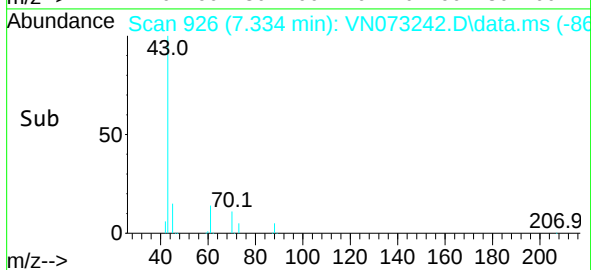
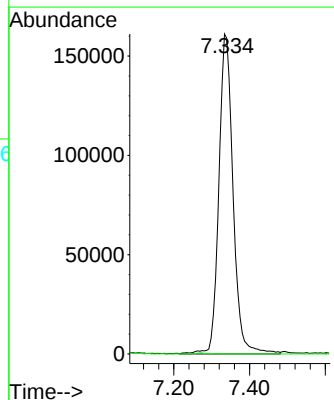
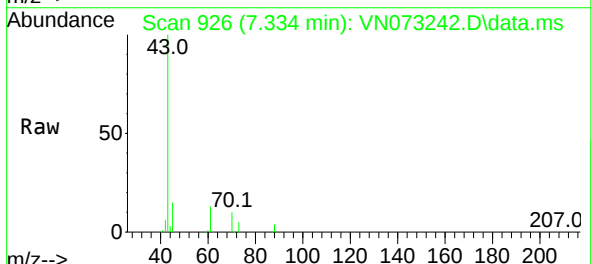
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

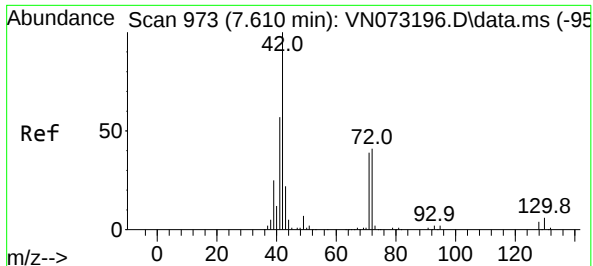
Tgt Ion: 43 Resp: 9276
Ion Ratio Lower Upper
43 100
74 13.3 21.6 32.4#



#25
2-Butanone
Concen: 84.359 ug/l
RT: 7.334 min Scan# 926
Delta R.T. 0.077 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 43 Resp: 420733
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.258 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

TRE-1613DL

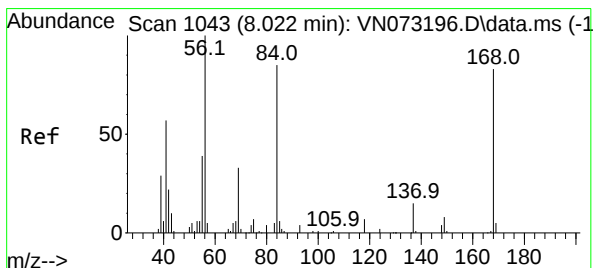
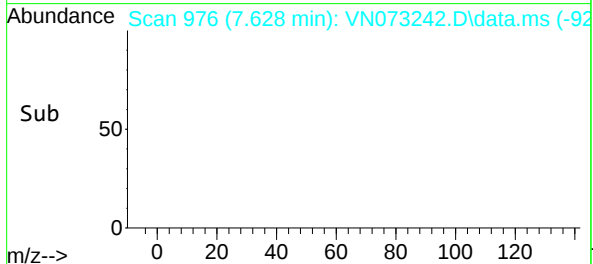
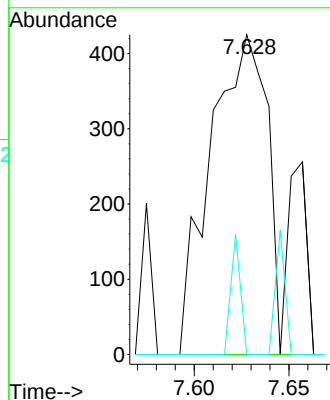
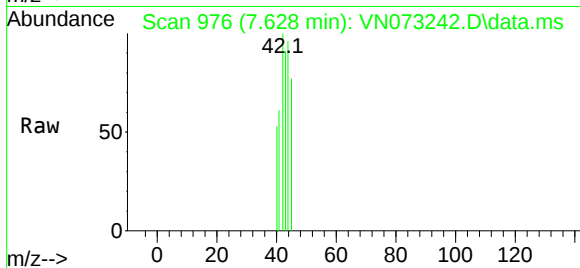
Tgt Ion: 42 Resp: 882

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 6.3 36.6 55.0#



#31

Cyclohexane

Concen: 0.945 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

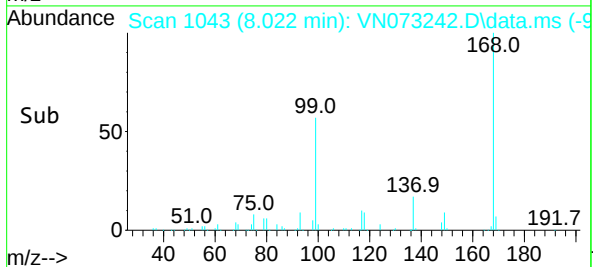
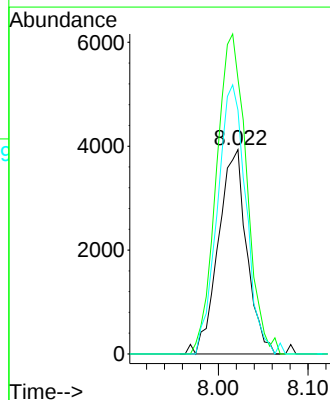
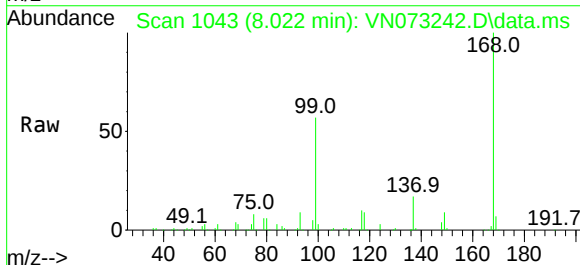
Tgt Ion: 56 Resp: 8639

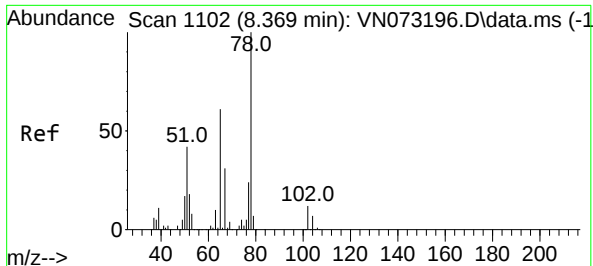
Ion Ratio Lower Upper

56 100

69 134.7 27.8 41.8#

84 119.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 40.624 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

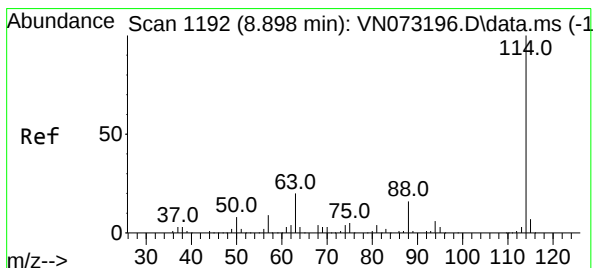
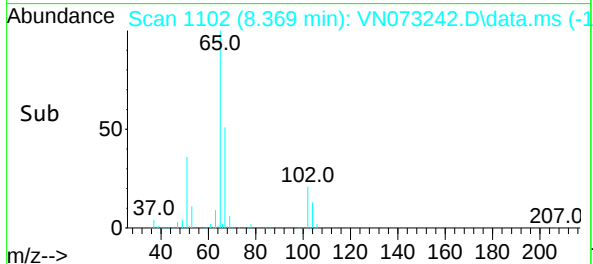
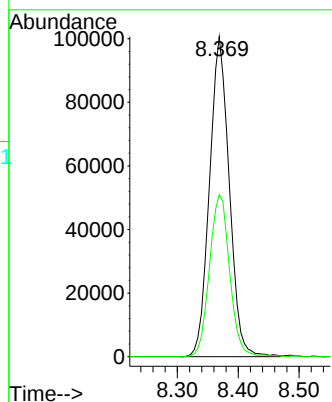
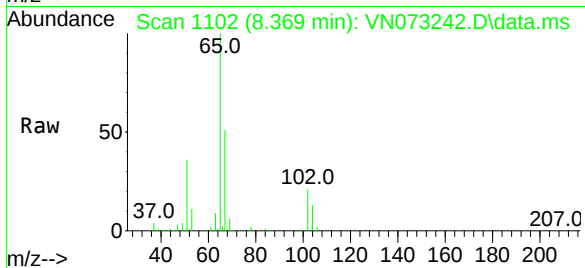
TRE-1613DL

Tgt Ion: 65 Resp: 226714

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

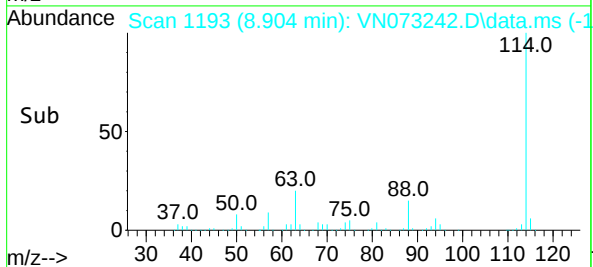
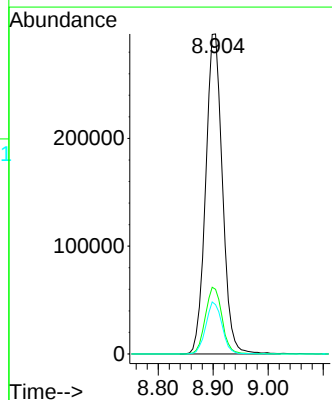
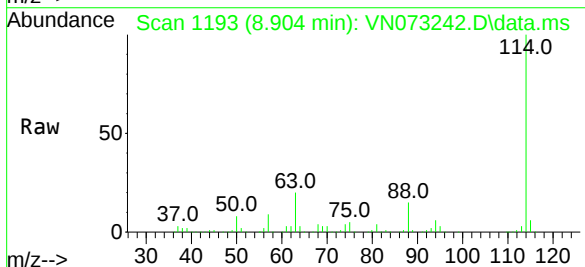
Tgt Ion: 114 Resp: 628605

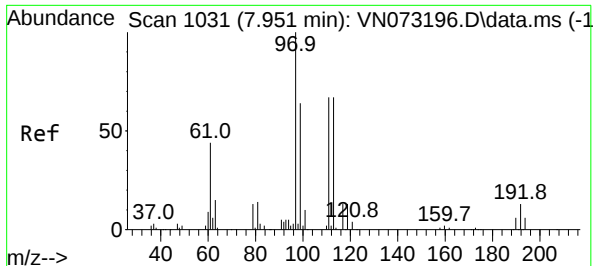
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.4 0.0 32.6

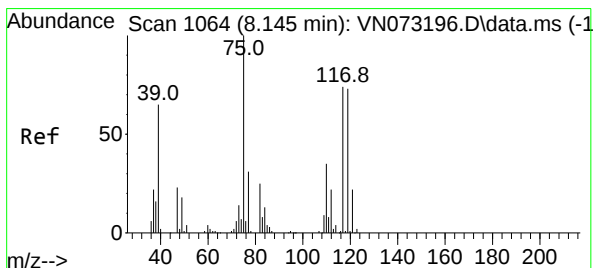
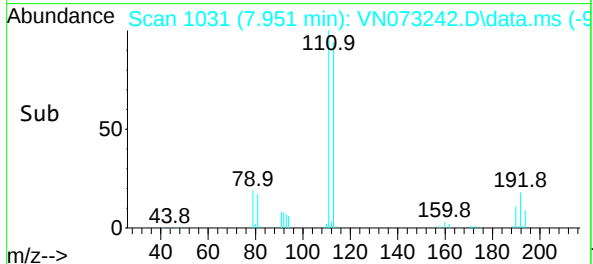
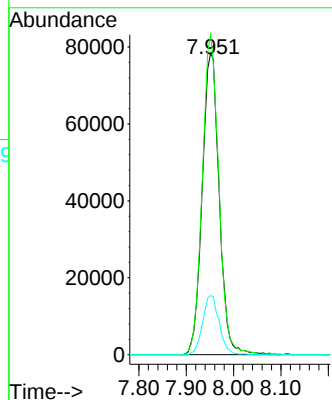
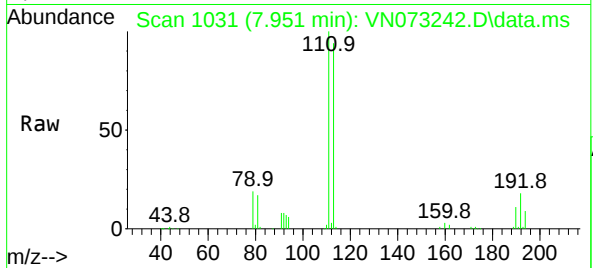




#35
Dibromofluoromethane
Concen: 46.737 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

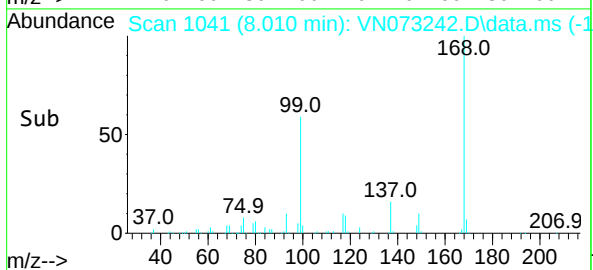
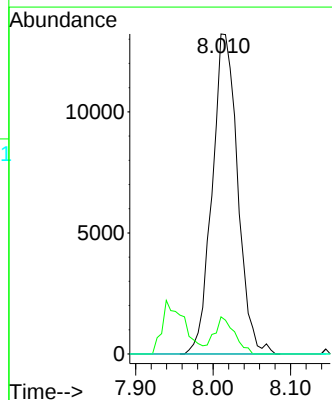
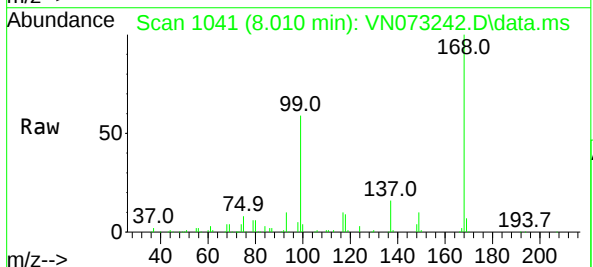
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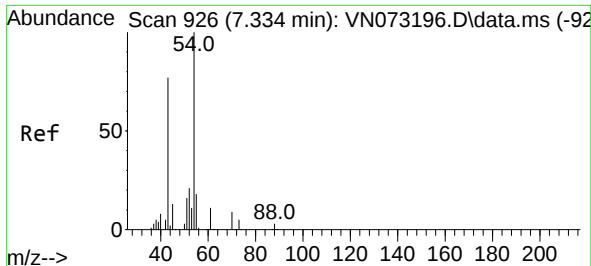
Tgt Ion:113 Resp: 195462
Ion Ratio Lower Upper
113 100
111 103.0 81.4 122.0
192 19.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 75 Resp: 30184
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 25.1 37.7#

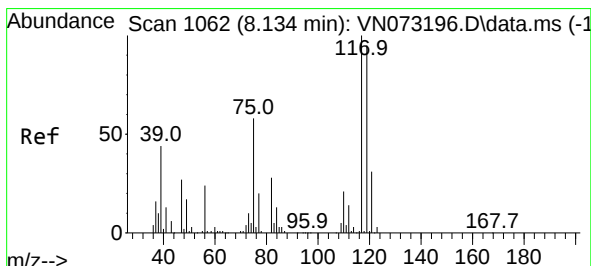
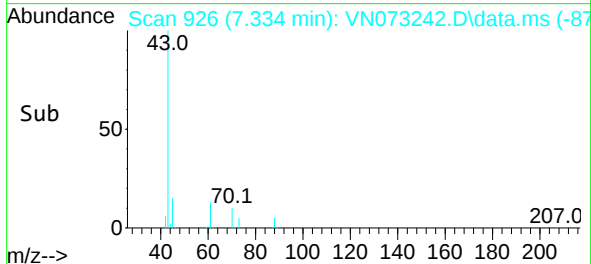
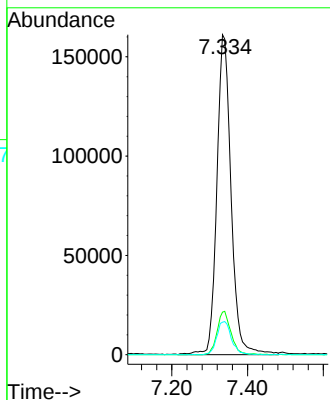
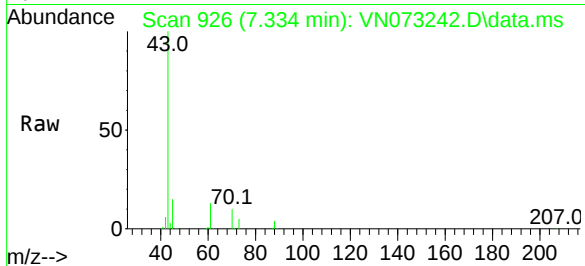




#37
Ethyl Acetate
Concen: 43.270 ug/l
RT: 7.334 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

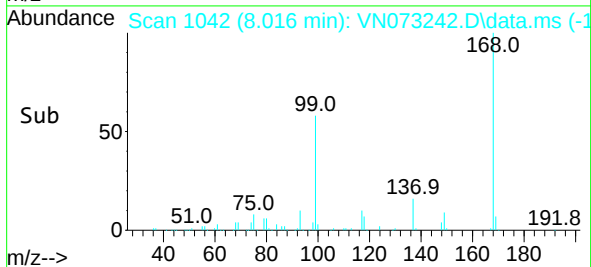
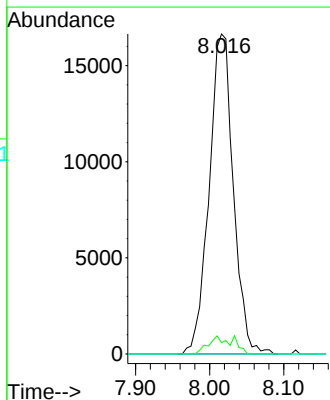
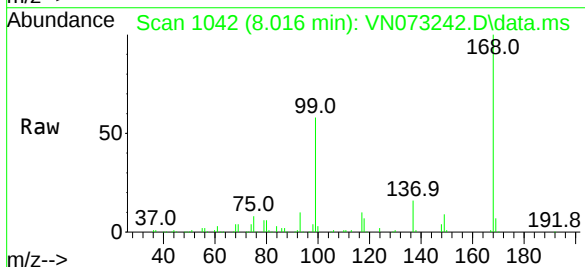
Instrument :
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ClientSampleId :
TRE-1613DL

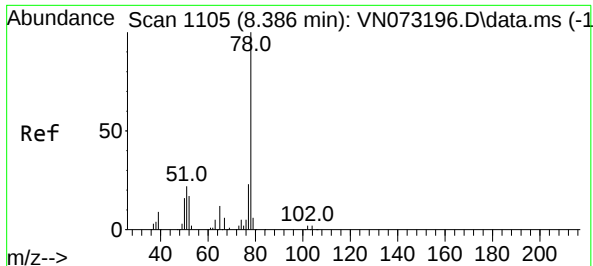
Tgt Ion: 43 Resp: 420733
Ion Ratio Lower Upper
43 100
61 13.0 11.8 17.6
70 10.6 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.672 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 117 Resp: 37749
Ion Ratio Lower Upper
117 100
119 3.5 75.8 113.8#
121 0.0 24.6 37.0#





#40

Benzene

Concen: 0.477 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

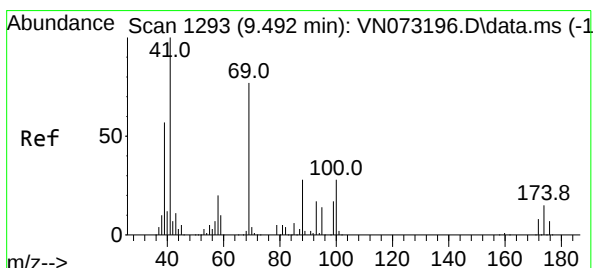
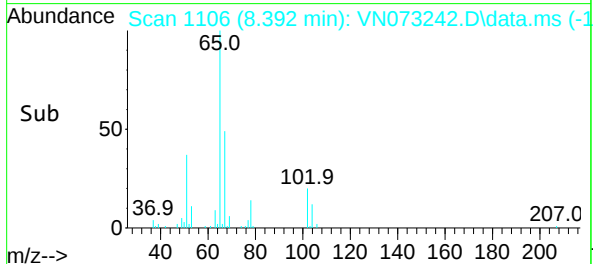
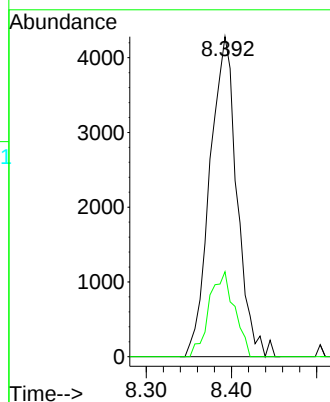
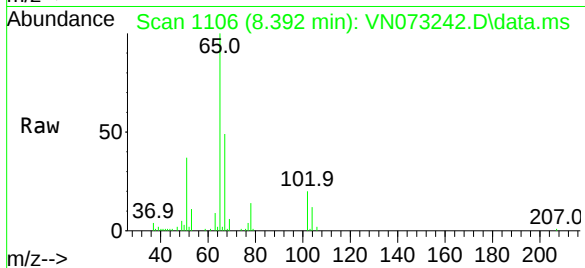
TRE-1613DL

Tgt Ion: 78 Resp: 9464

Ion Ratio Lower Upper

78 100

77 26.5 19.4 29.0



#48

Methyl methacrylate

Concen: 0.661 ug/l

RT: 9.463 min Scan# 1288

Delta R.T. -0.029 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

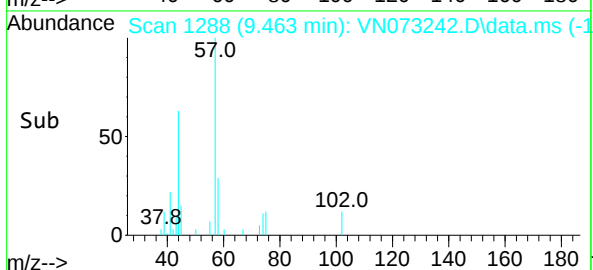
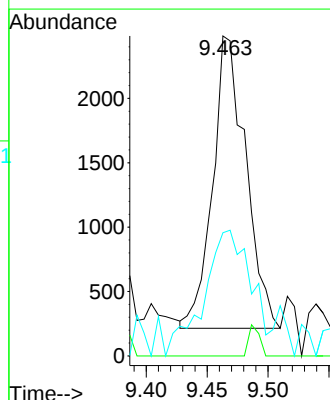
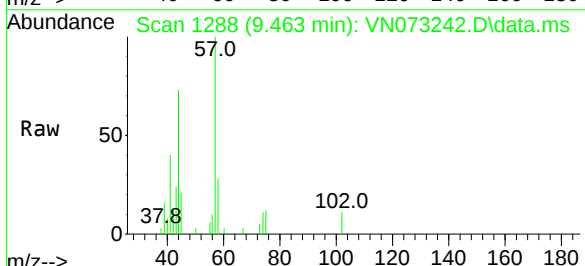
Tgt Ion: 41 Resp: 4278

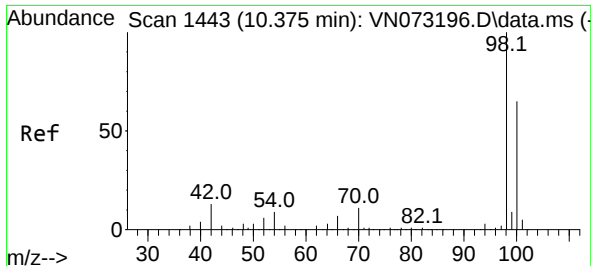
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 62.5 45.6 68.4

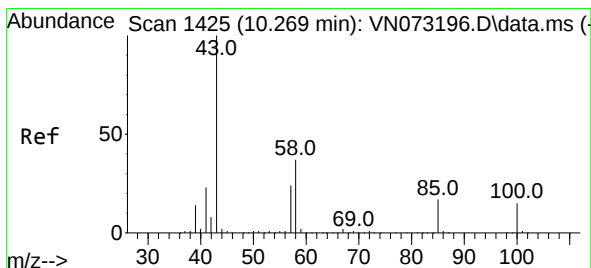
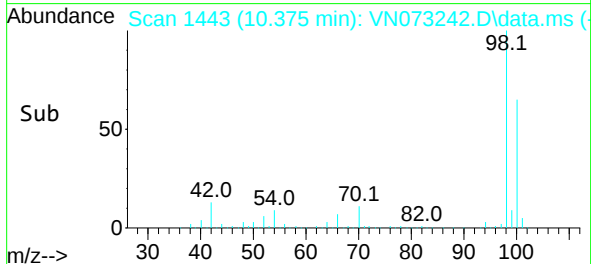
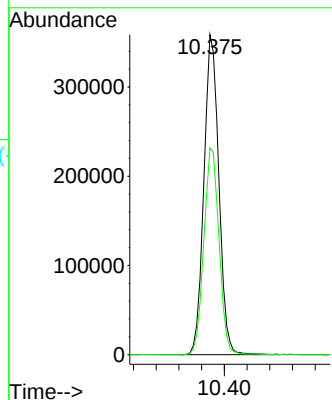
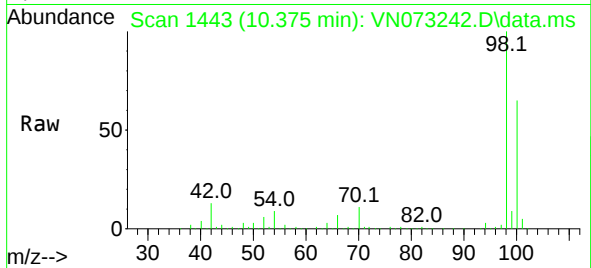




#50
Toluene-d8
Concen: 44.034 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

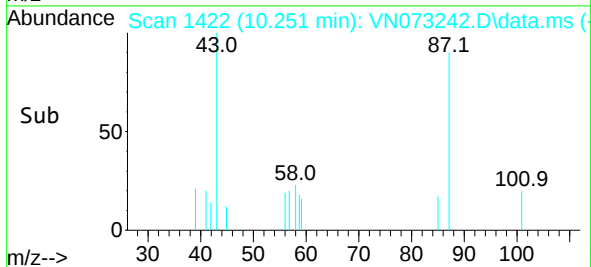
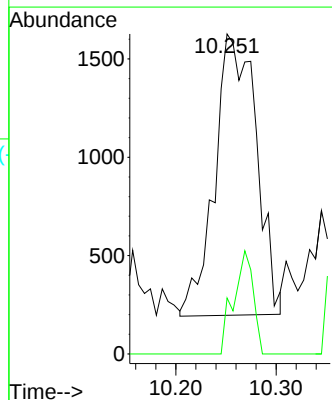
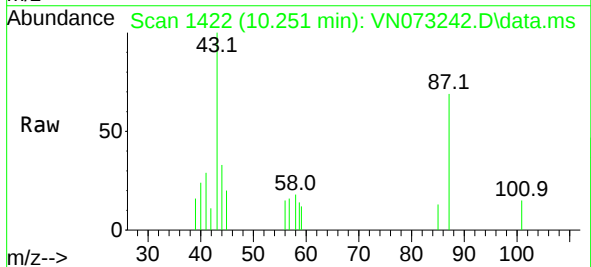
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

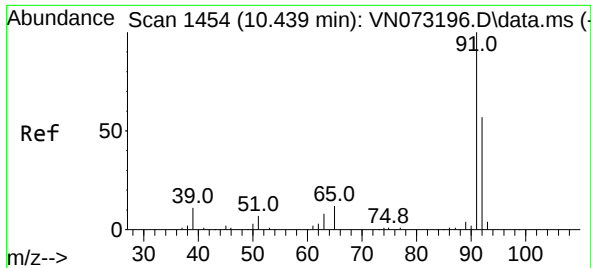
Tgt Ion: 98 Resp: 654077
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 10.251 min Scan# 1422
Delta R.T. -0.018 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
58 17.4 34.1 51.1#

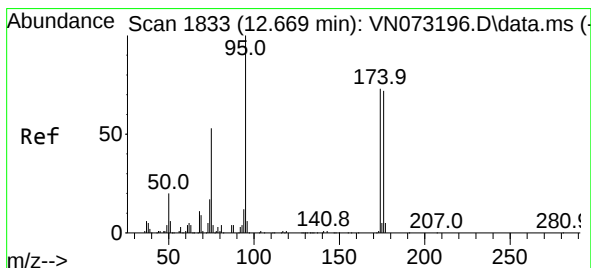
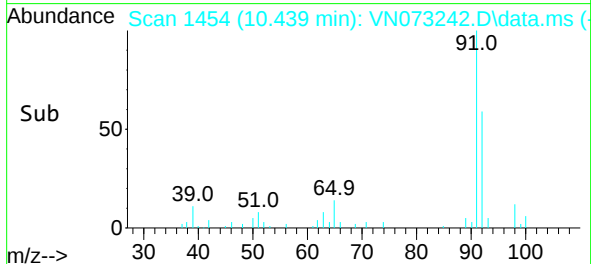
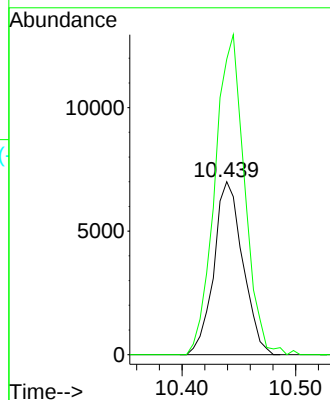
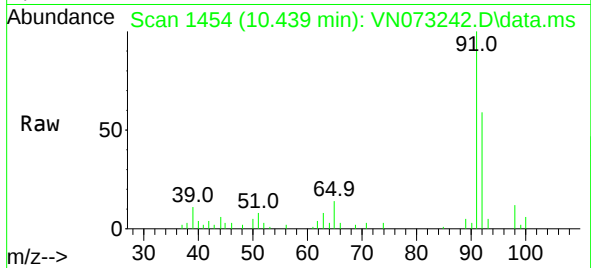




#52
Toluene
Concen: 1.008 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

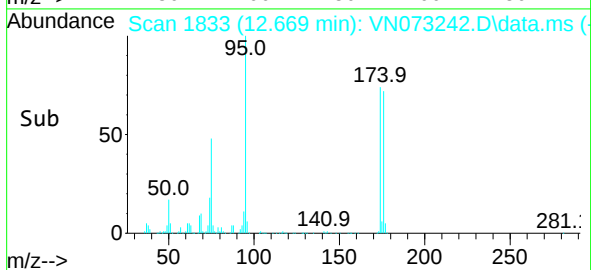
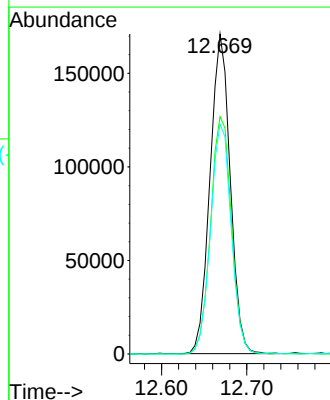
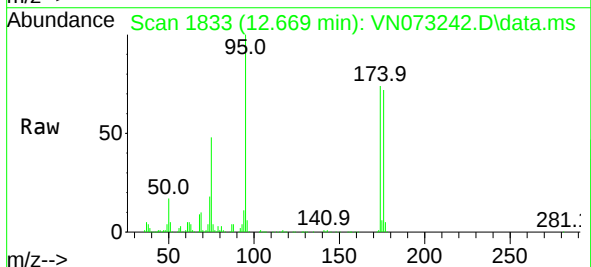
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

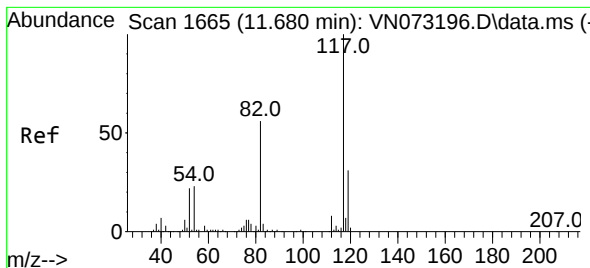
Tgt Ion: 92 Resp: 12376
Ion Ratio Lower Upper
92 100
91 190.1 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.240 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion: 95 Resp: 281075
Ion Ratio Lower Upper
95 100
174 76.7 0.0 167.6
176 73.8 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

TRE-1613DL

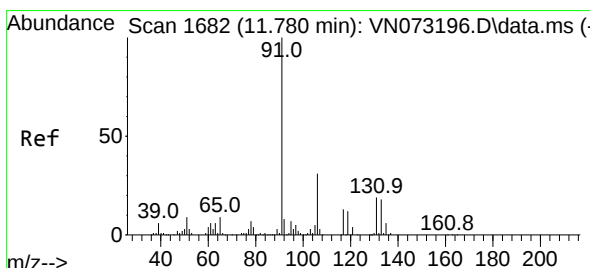
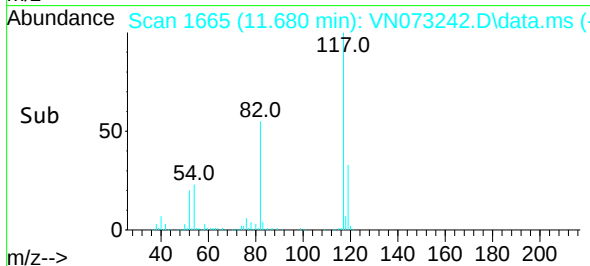
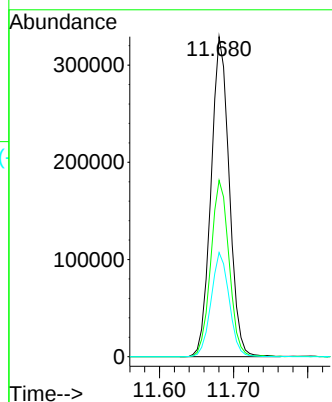
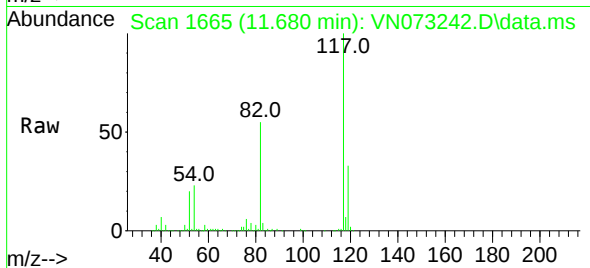
Tgt Ion:117 Resp: 561099

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

119 32.6 25.4 38.0



#67

Ethyl Benzene

Concen: 0.271 ug/l

RT: 11.780 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN073242.D

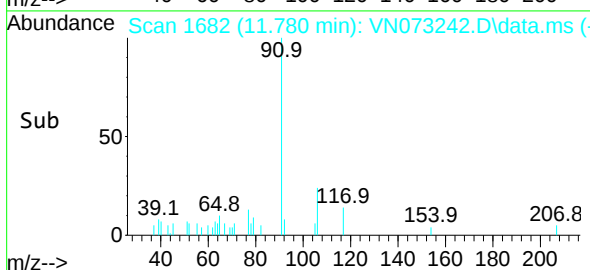
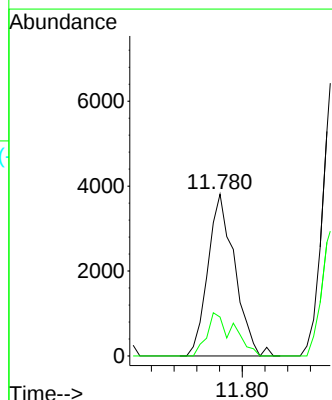
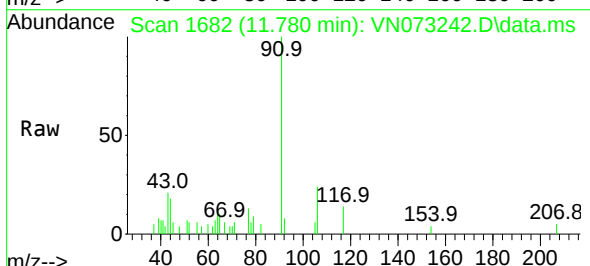
Acq: 29 Jun 2022 14:52

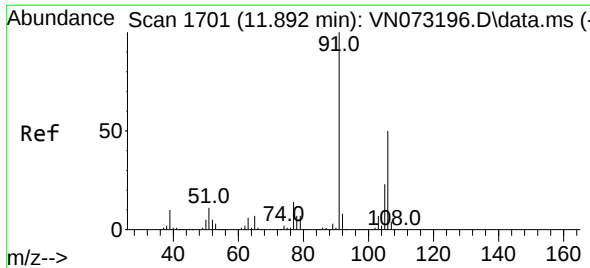
Tgt Ion: 91 Resp: 6242

Ion Ratio Lower Upper

91 100

106 24.0 24.9 37.3#

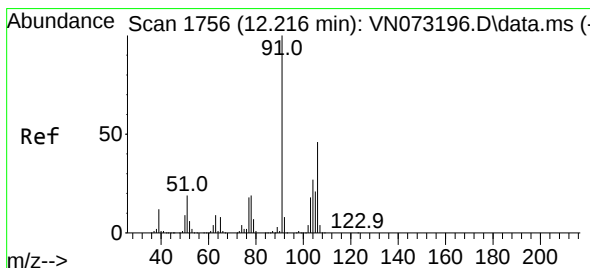
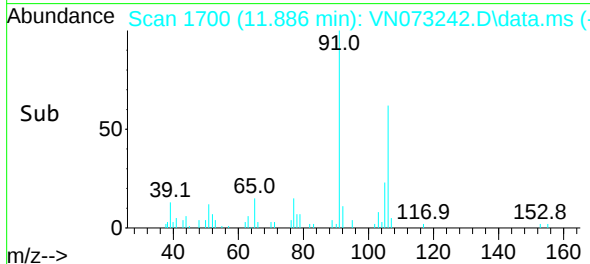
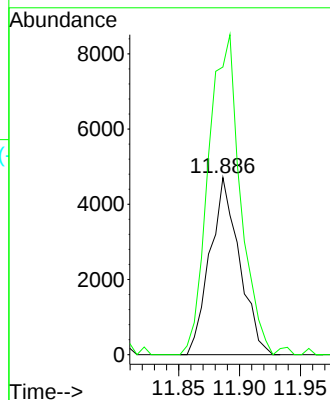
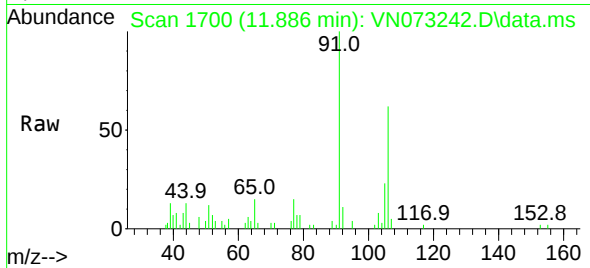




#68
m/p-Xylenes
Concen: 0.915 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

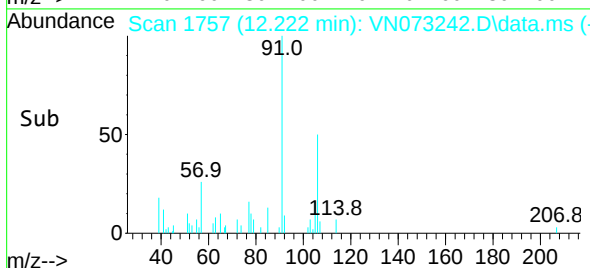
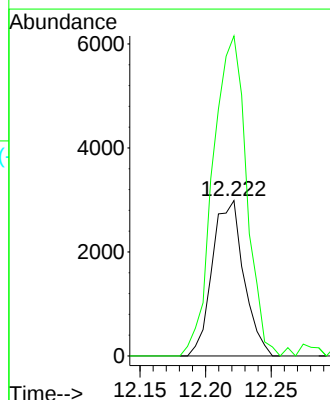
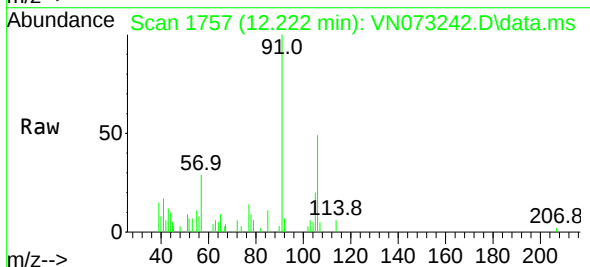
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

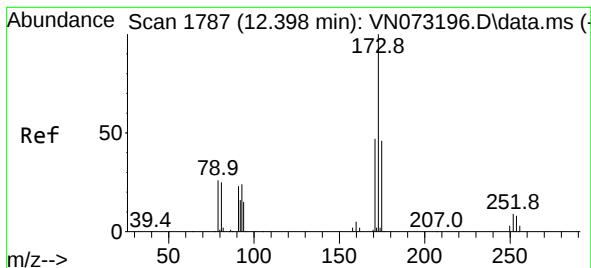
Tgt Ion:106 Resp: 7954
Ion Ratio Lower Upper
106 100
91 197.0 158.9 238.3



#69
o-Xylene
Concen: 0.561 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Tgt Ion:106 Resp: 4981
Ion Ratio Lower Upper
106 100
91 219.8 106.0 318.0





#71

Bromoform

Concen: 0.530 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

TRE-1613DL

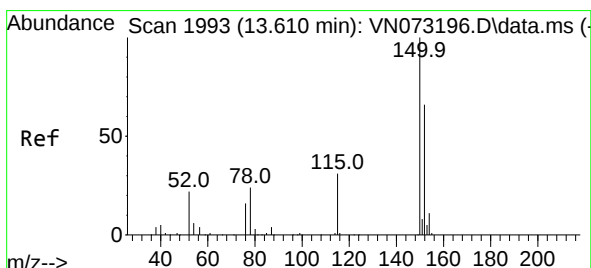
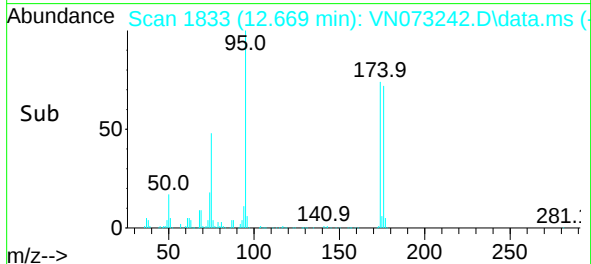
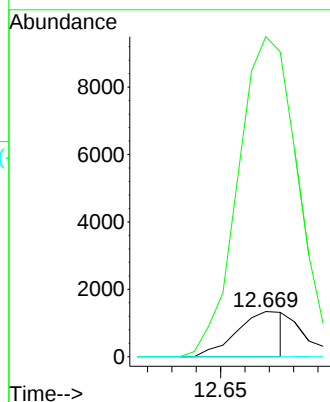
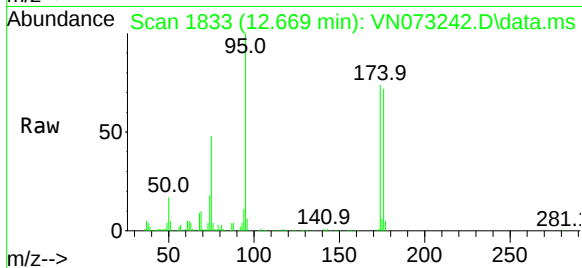
Tgt Ion:173 Resp: 1809

Ion Ratio Lower Upper

173 100

175 685.7 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073242.D

Acq: 29 Jun 2022 14:52

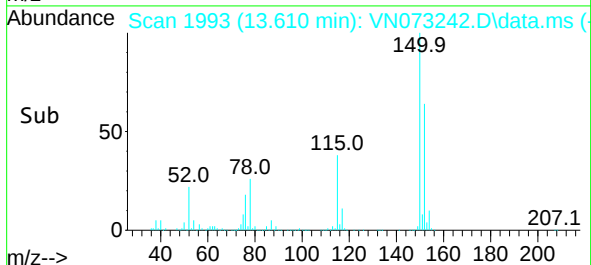
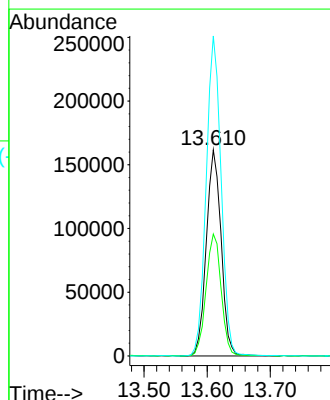
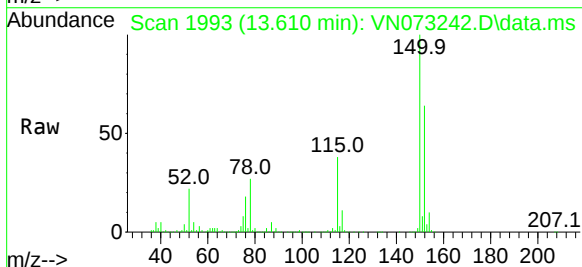
Tgt Ion:152 Resp: 264188

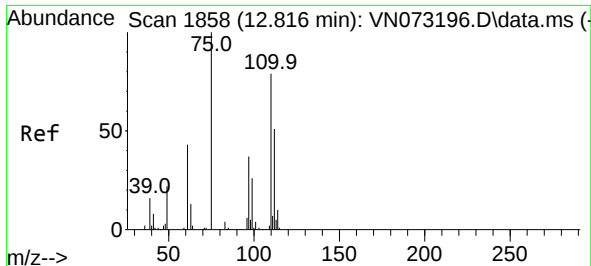
Ion Ratio Lower Upper

152 100

115 60.6 28.9 86.7

150 156.1 0.0 356.2

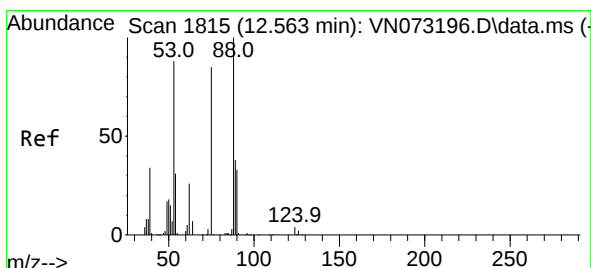
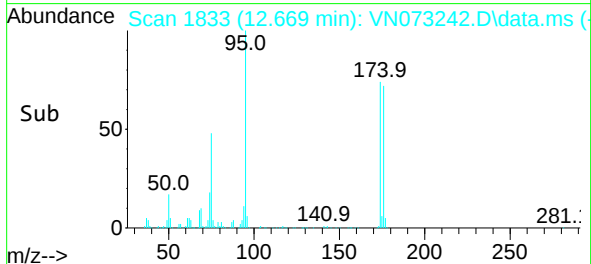
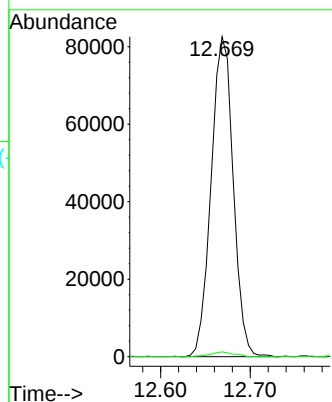
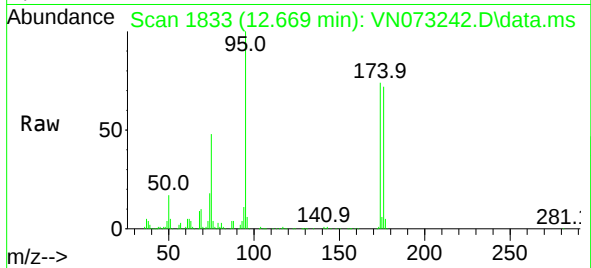




#76
1,2,3-Trichloropropane
Concen: 20.441 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

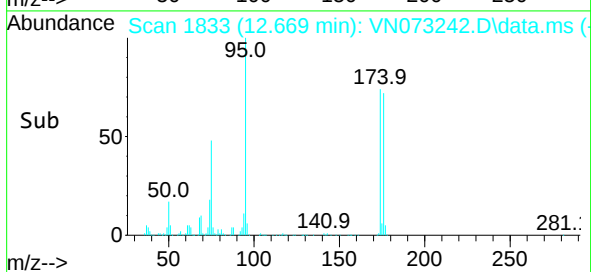
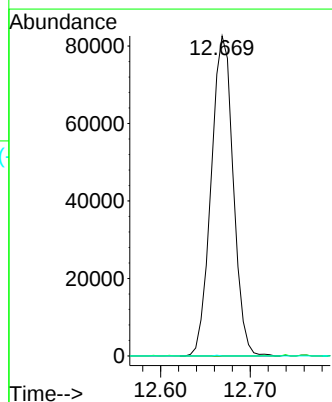
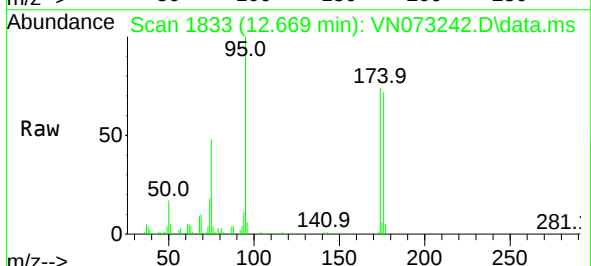
Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL

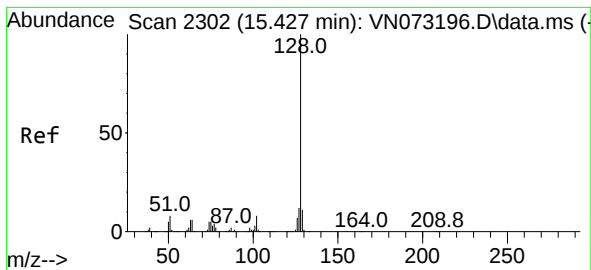
Tgt Ion: 75 Resp: 141204
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.058 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

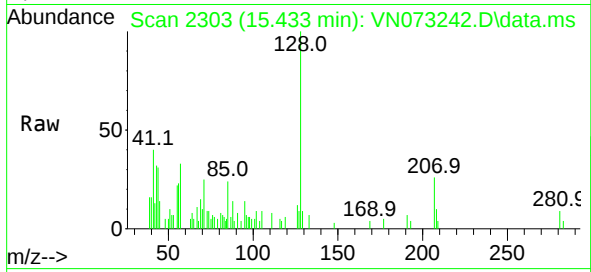
Tgt Ion: 75 Resp: 141204
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.463 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073242.D
Acq: 29 Jun 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :
TRE-1613DL



Tgt Ion:128 Resp: 9435
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 13.6 8.6 13.0#

