

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN073997.D
 Acq On : 18 Aug 2022 12:07
 Operator : JC\MD
 Sample : N4241-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1630

Quant Time: Aug 18 21:48:12 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)

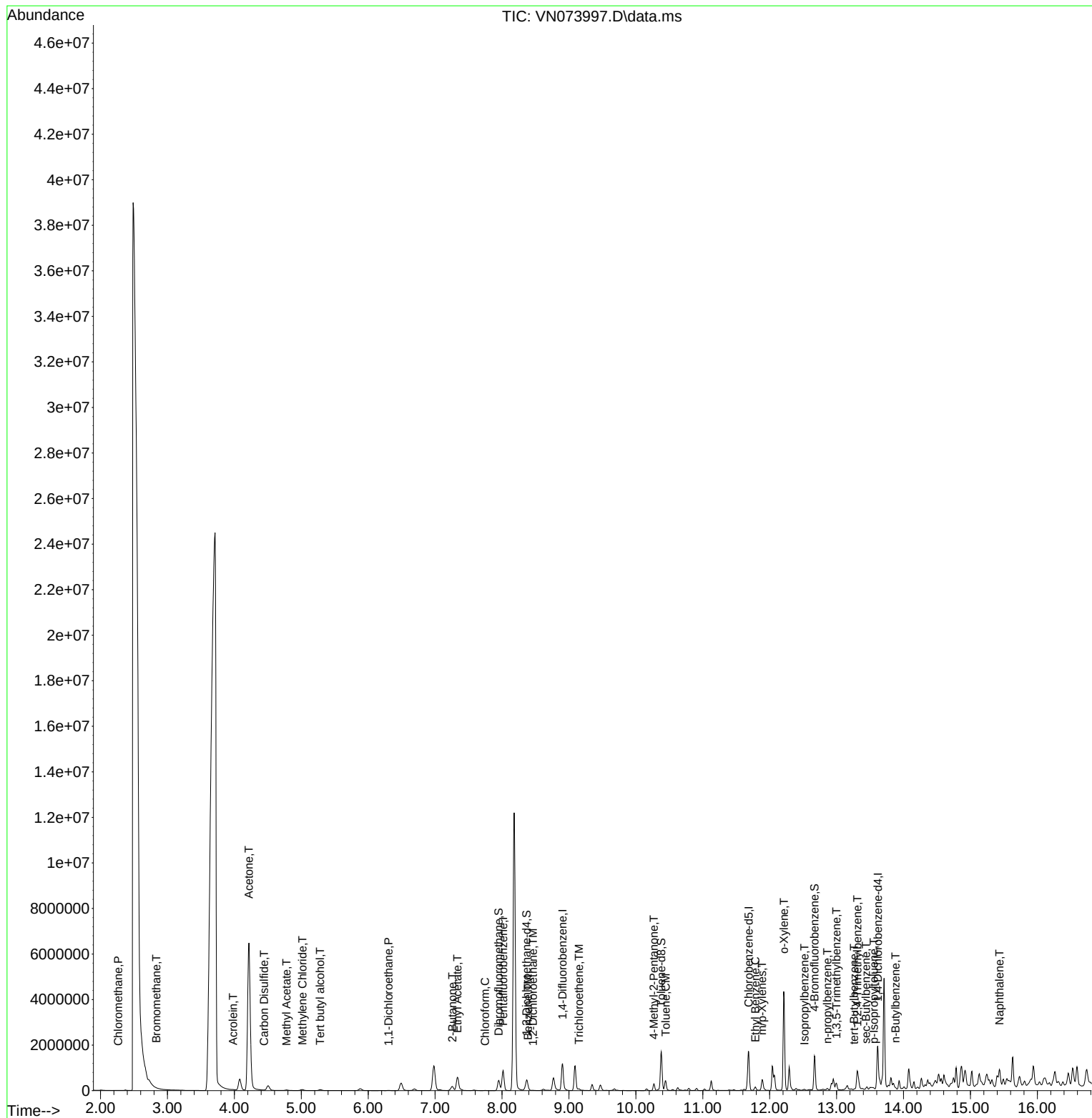
Internal Standards						
1) Pentafluorobenzene	8.016	168	739845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1094917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	1068081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	587470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	341897	47.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.900%		
35) Dibromofluoromethane	7.951	113	331886	51.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.500%		
50) Toluene-d8	10.381	98	1180357	47.067	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.140%		
62) 4-Bromofluorobenzene	12.669	95	506885	60.902	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	121.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1737	0.266	ug/l	91
5) Bromomethane	2.834	94	2271	0.434	ug/l #	70
11) Tert butyl alcohol	5.281	59	75821	47.039	ug/l	99
13) Acrolein	3.981	56	14982	13.279	ug/l	99
16) Acetone	4.216	43	11459299	3370.651	ug/l	95
17) Carbon Disulfide	4.446	76	8052	0.580	ug/l	99
18) Methyl Acetate	4.781	43	57807	4.488	ug/l	98
20) Methylene Chloride	5.016	84	39831	5.552	ug/l	96
24) 1,1-Dichloroethane	6.304	63	11870	1.040	ug/l	95
25) 2-Butanone	7.257	43	253208	46.972	ug/l	99
30) Chloroform	7.745	83	6783	0.531	ug/l #	72
37) Ethyl Acetate	7.334	43	922665	84.679	ug/l	96
40) Benzene	8.387	78	65196	2.297	ug/l	99
42) 1,2-Dichloroethane	8.463	62	4964	0.509	ug/l	87
44) Trichloroethene	9.151	130	8055	0.982	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	190007	18.105	ug/l	99
52) Toluene	10.445	92	196439	10.092	ug/l	98
67) Ethyl Benzene	11.786	91	88159	2.335	ug/l	100
68) m/p-Xylenes	11.886	106	148796	9.701	ug/l	100
69) o-Xylene	12.216	106	112594	7.320	ug/l	98
73) Isopropylbenzene	12.522	105	22408	0.524	ug/l	97
78) n-propylbenzene	12.863	91	50935	1.117	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	97313	2.797	ug/l	100
83) tert-Butylbenzene	13.263	119	10608	0.331	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	577344	16.616	ug/l	80
85) sec-Butylbenzene	13.439	105	26044	0.628	ug/l	89
86) p-Isopropyltoluene	13.557	119	35352	1.000	ug/l	94
89) n-Butylbenzene	13.880	91	29550	1.055	ug/l #	74
95) Naphthalene	15.433	128	600620	14.598	ug/l	99

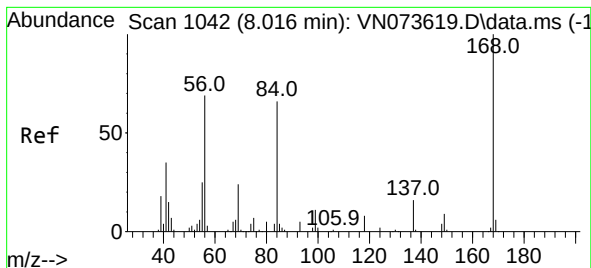
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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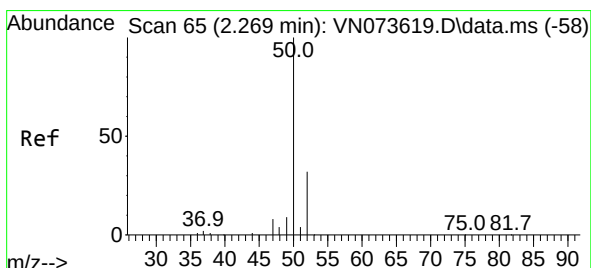
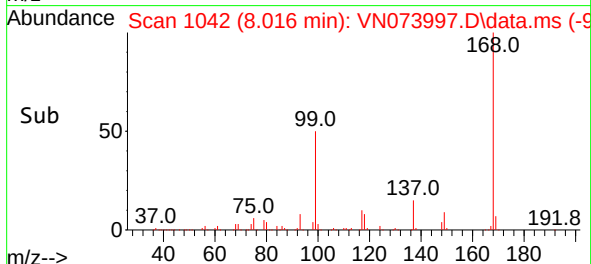
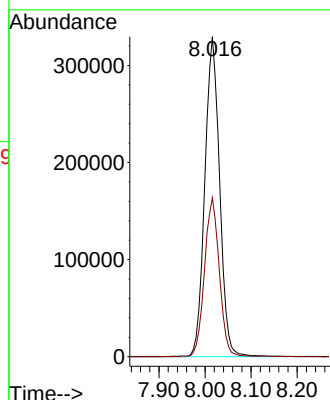
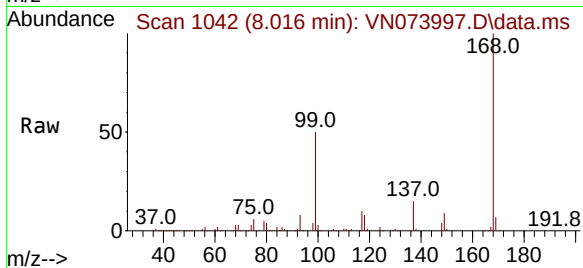




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

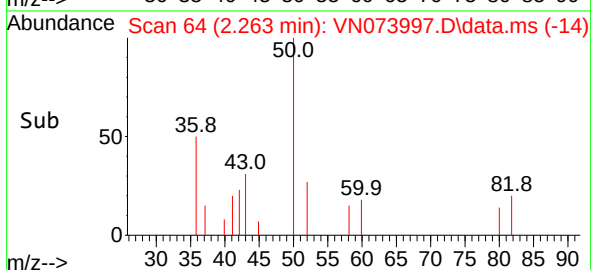
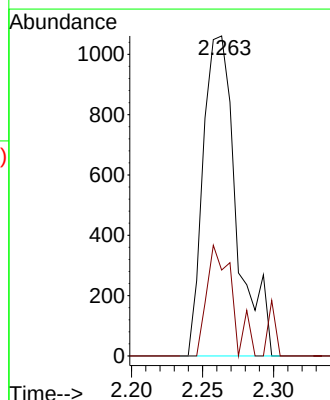
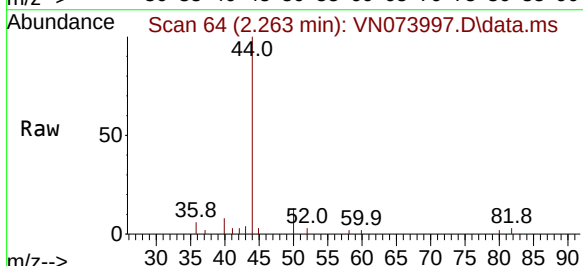
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

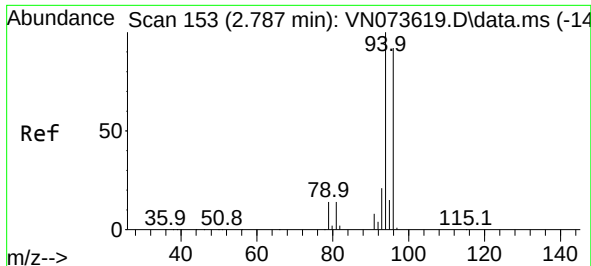
Tgt Ion:168 Resp: 739845
Ion Ratio Lower Upper
168 100
99 49.6 42.3 63.5



#3
Chloromethane
Concen: 0.266 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 50 Resp: 1737
Ion Ratio Lower Upper
50 100
52 26.9 25.7 38.5

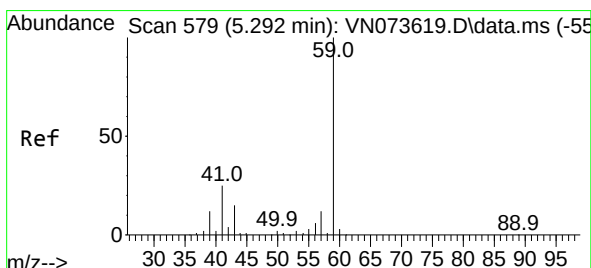
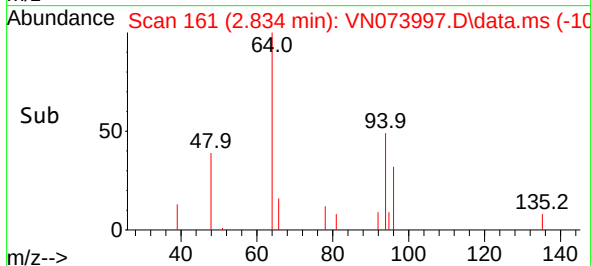
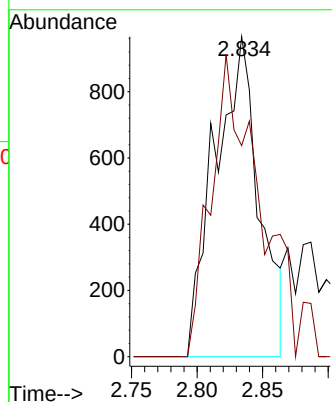
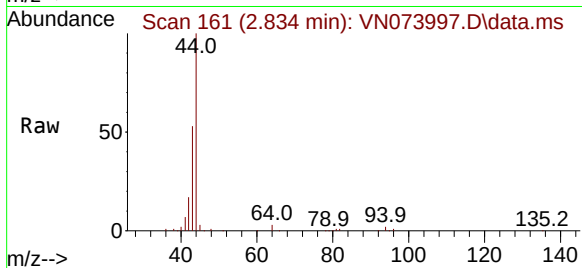




#5
Bromomethane
Concen: 0.434 ug/l
RT: 2.834 min Scan# 1
Delta R.T. 0.047 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

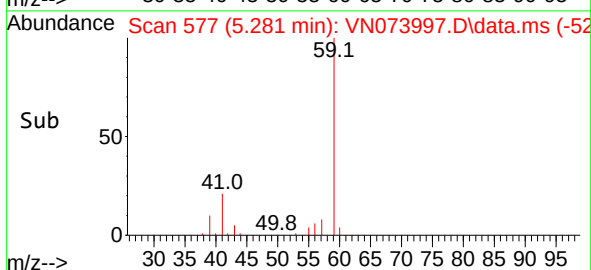
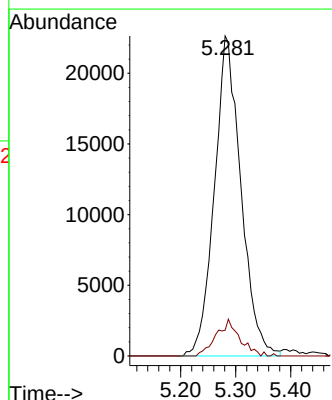
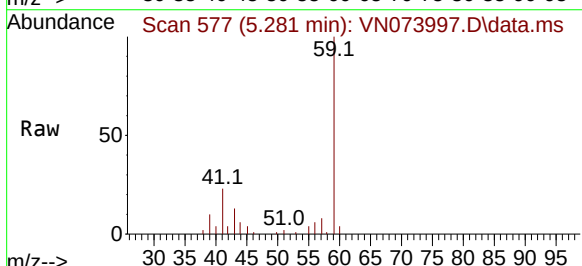
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

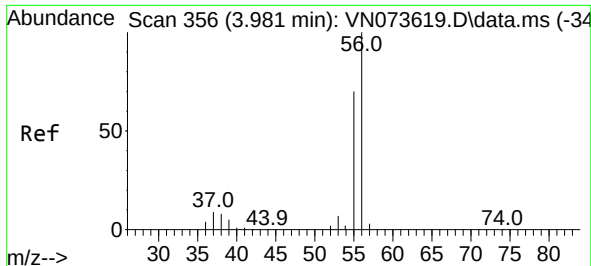
Tgt Ion: 94 Resp: 2271
Ion Ratio Lower Upper
94 100
96 65.9 76.0 114.0#



#11
Tert butyl alcohol
Concen: 47.039 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.011 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 59 Resp: 75821
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

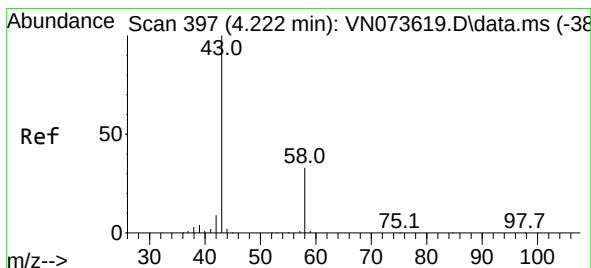
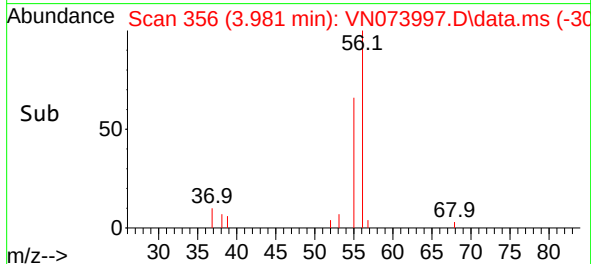
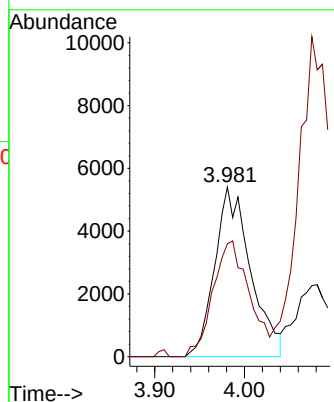
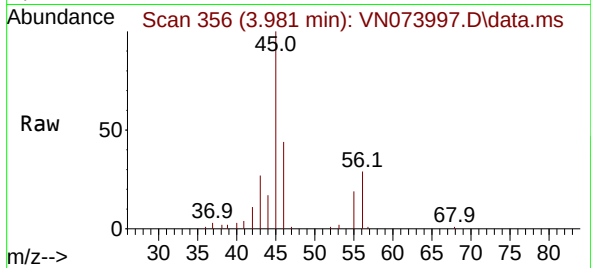




#13
Acrolein
Concen: 13.279 ug/l
RT: 3.981 min Scan# 356
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

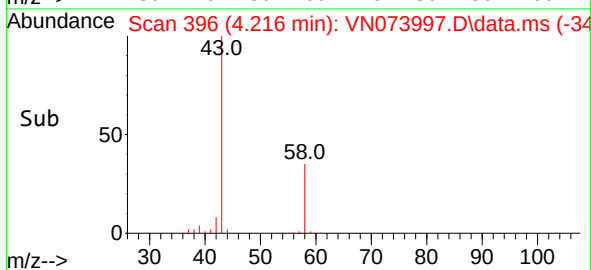
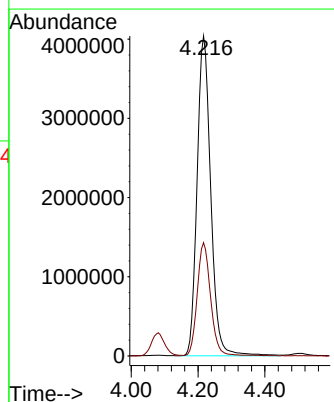
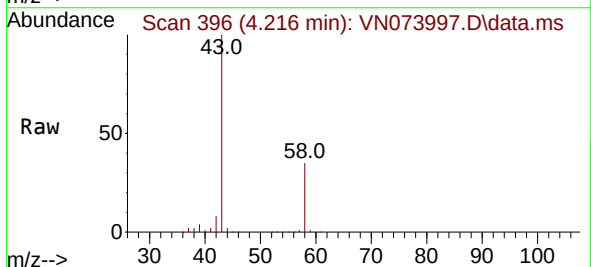
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

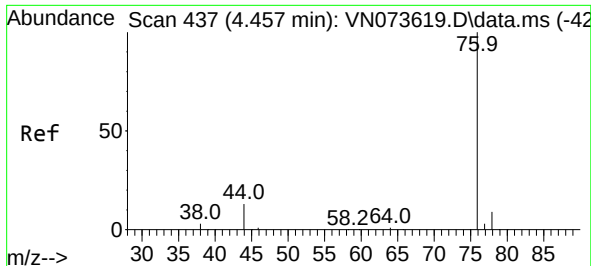
Tgt Ion: 56 Resp: 14982
Ion Ratio Lower Upper
56 100
55 69.3 54.8 82.2



#16
Acetone
Concen: 3370.651 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 43 Resp:11459299
Ion Ratio Lower Upper
43 100
58 35.4 26.0 39.0

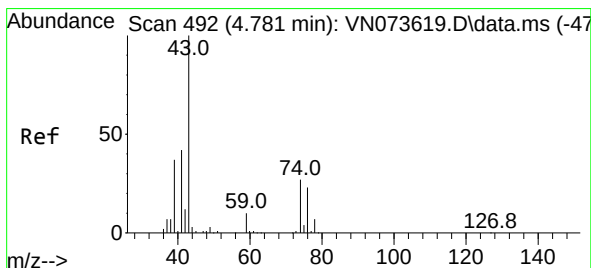
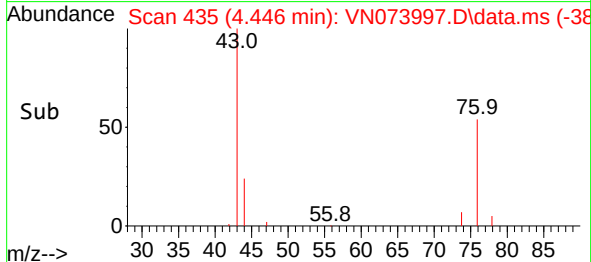
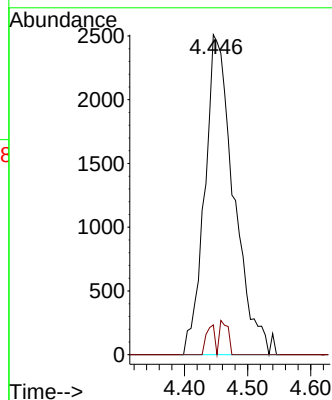
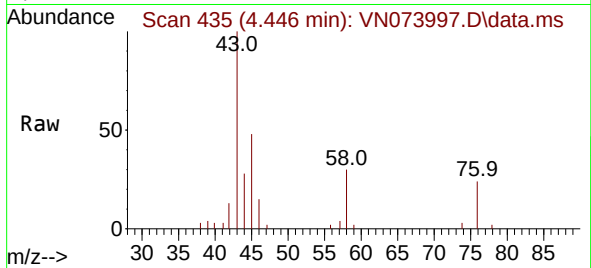




#17
Carbon Disulfide
Concen: 0.580 ug/l
RT: 4.446 min Scan# 41
Delta R.T. -0.011 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

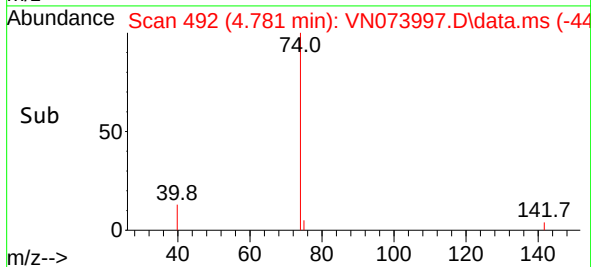
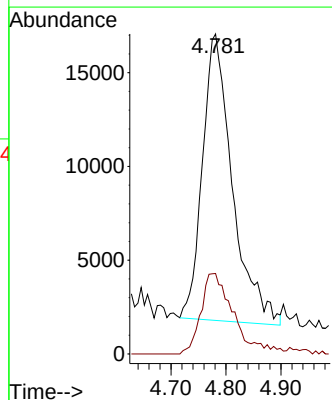
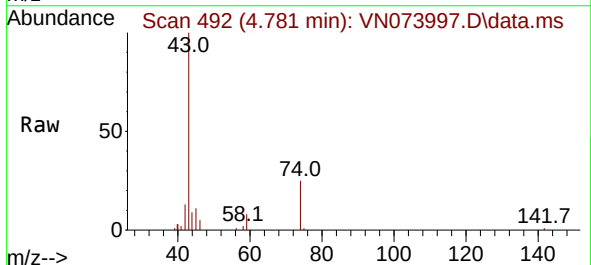
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

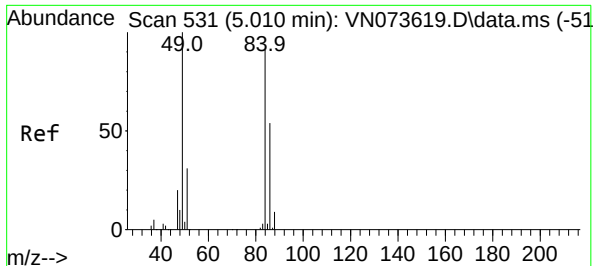
Tgt Ion: 76 Resp: 8052
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 4.488 ug/l
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 43 Resp: 57807
Ion Ratio Lower Upper
43 100
74 28.2 21.6 32.4





#20

Methylene Chloride

Concen: 5.552 ug/l

RT: 5.016 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

TRE-1630

Tgt Ion: 84 Resp: 39831

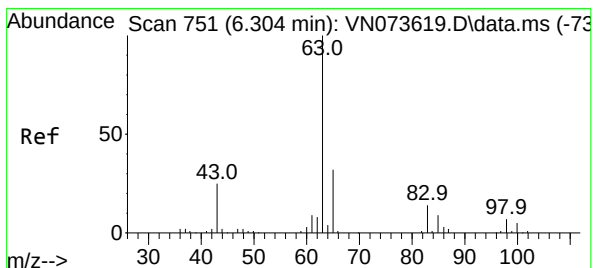
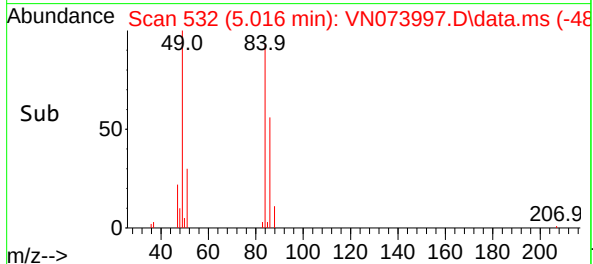
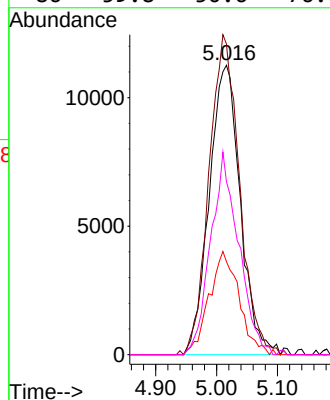
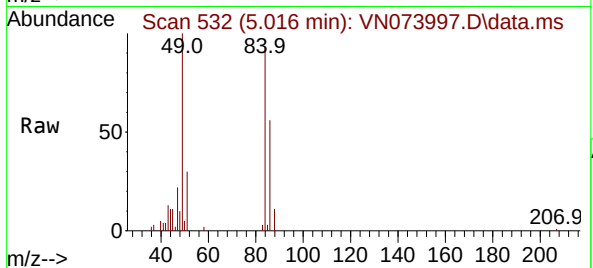
Ion Ratio Lower Upper

84 100

49 107.4 88.3 132.5

51 32.2 28.2 42.2

86 59.8 50.6 76.0



#24

1,1-Dichloroethane

Concen: 1.040 ug/l

RT: 6.304 min Scan# 751

Delta R.T. 0.000 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

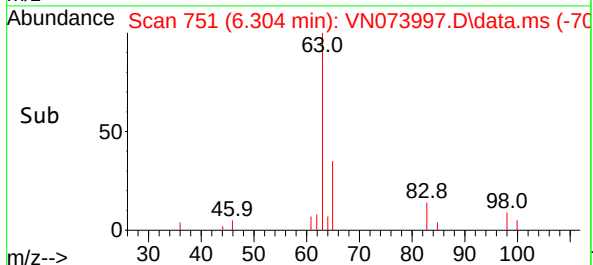
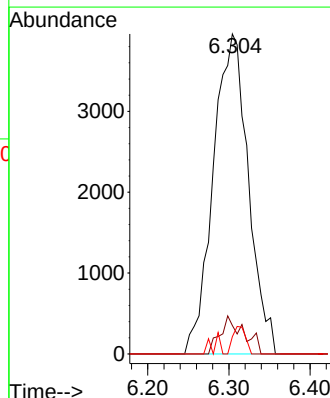
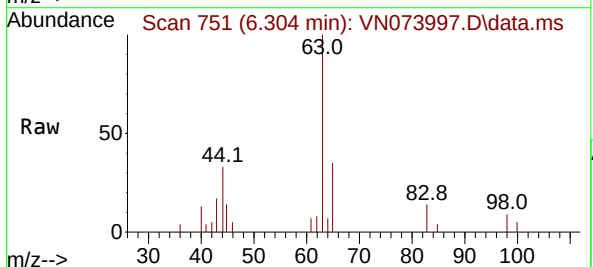
Tgt Ion: 63 Resp: 11870

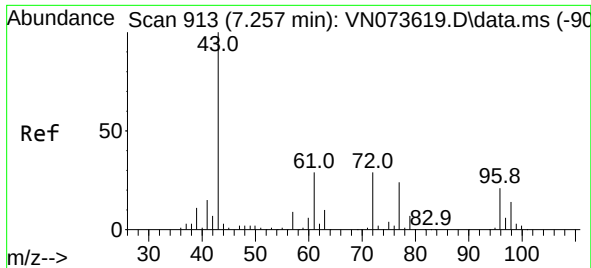
Ion Ratio Lower Upper

63 100

98 8.9 3.5 10.4

100 5.4 2.3 6.8

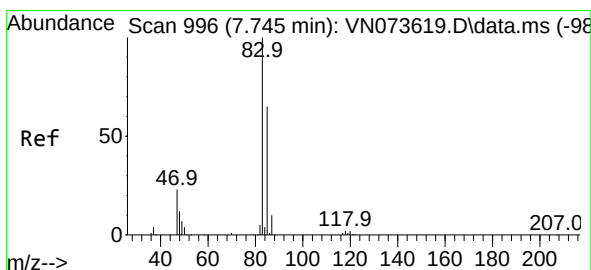
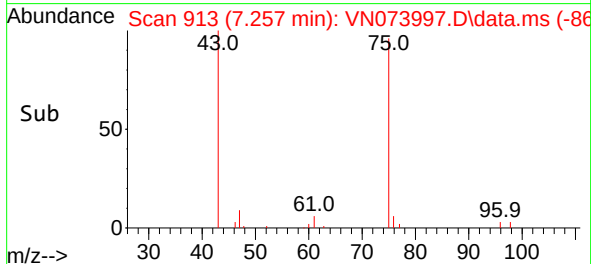
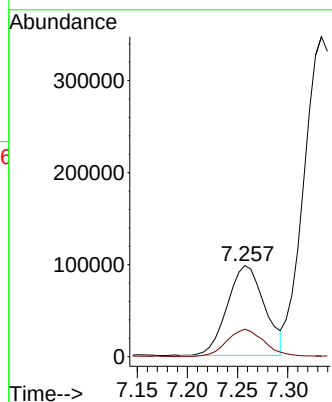
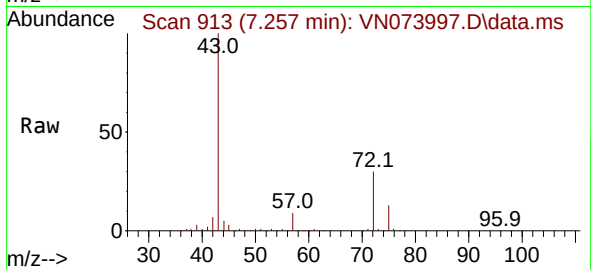




#25
2-Butanone
Concen: 46.972 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

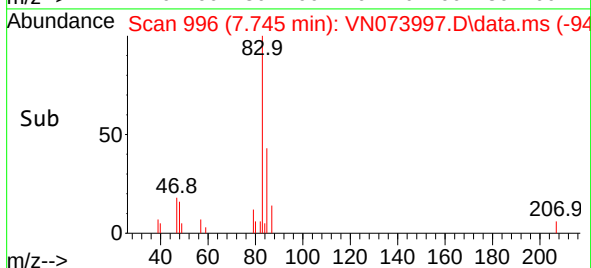
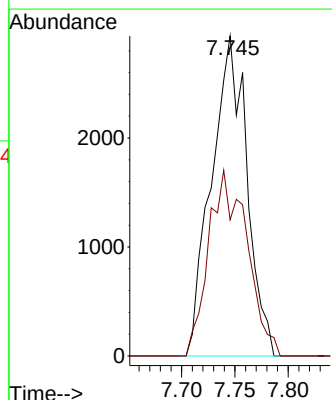
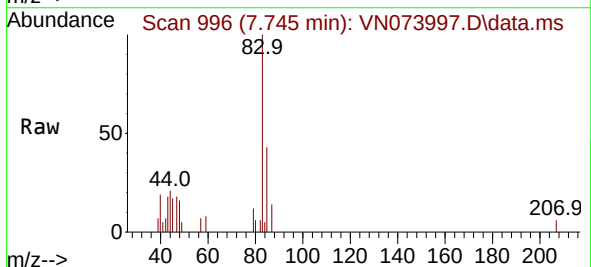
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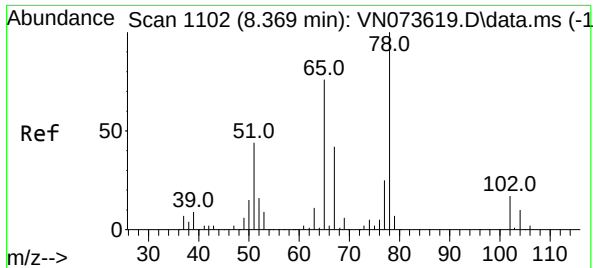
Tgt Ion: 43 Resp: 253208
Ion Ratio Lower Upper
43 100
72 30.1 23.7 35.5



#30
Chloroform
Concen: 0.531 ug/l
RT: 7.745 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 83 Resp: 6783
Ion Ratio Lower Upper
83 100
85 42.6 51.8 77.8#





#33

1,2-Dichloroethane-d4

Concen: 47.446 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

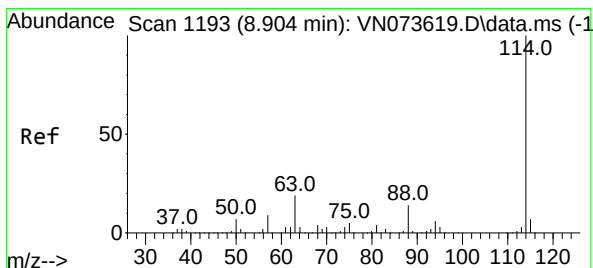
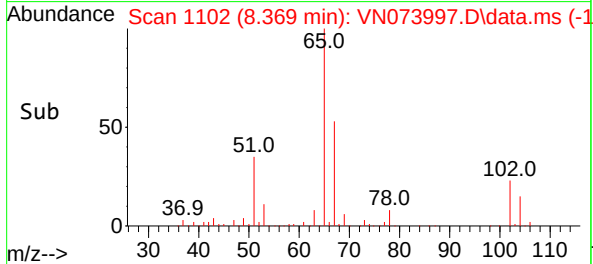
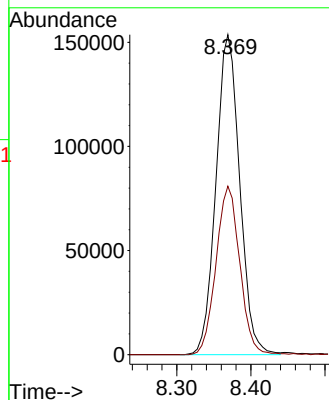
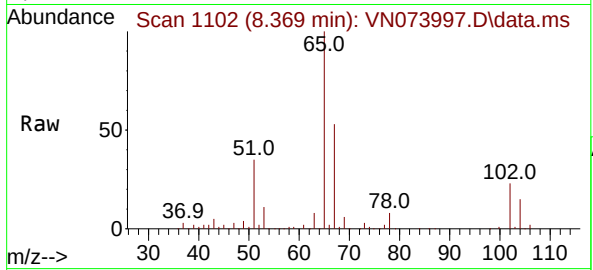
TRE-1630

Tgt Ion: 65 Resp: 341897

Ion Ratio Lower Upper

65 100

67 52.7 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: VN073997.D

Acq: 18 Aug 2022 12:07

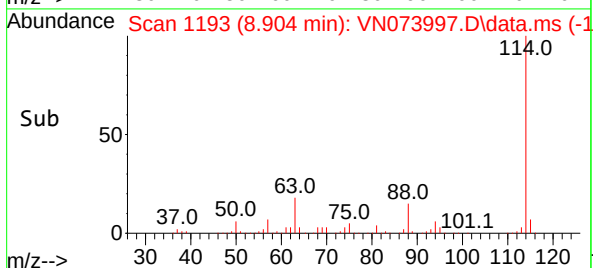
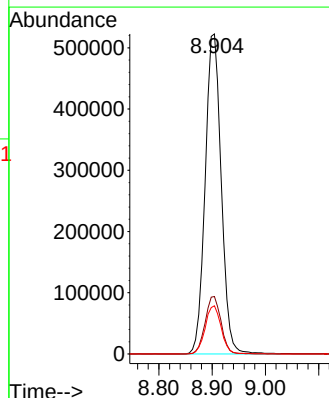
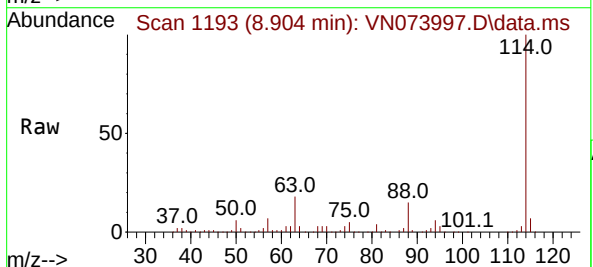
Tgt Ion:114 Resp: 1094917

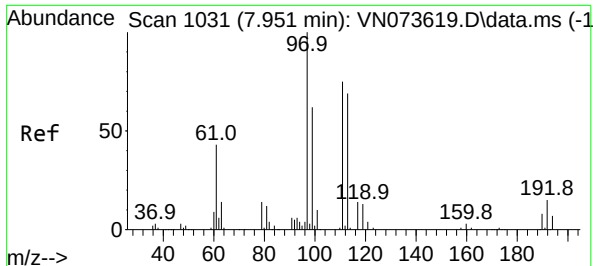
Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.255 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

TRE-1630

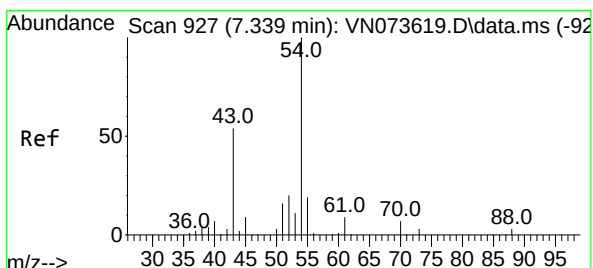
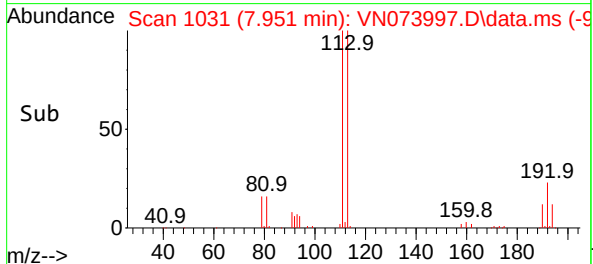
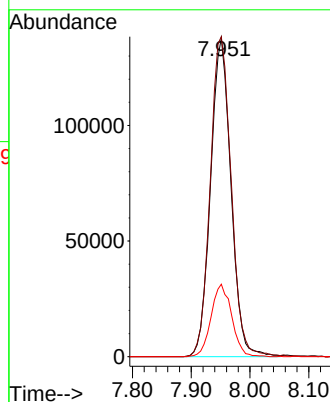
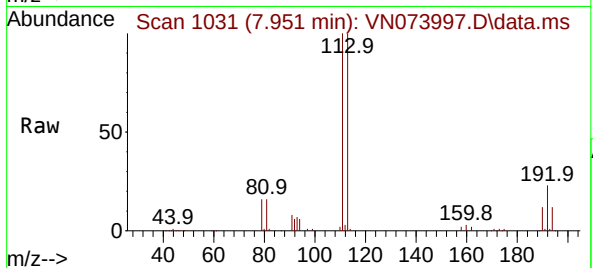
Tgt Ion:113 Resp: 331886

Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 23.0 17.0 25.6



#37

Ethyl Acetate

Concen: 84.679 ug/l

RT: 7.334 min Scan# 926

Delta R.T. -0.005 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

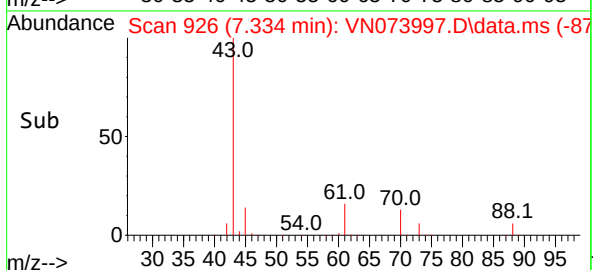
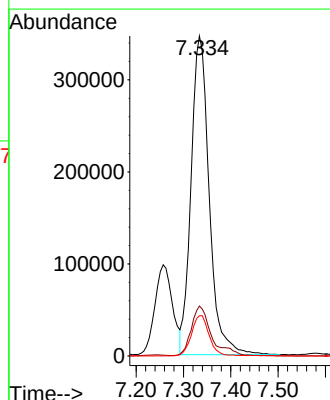
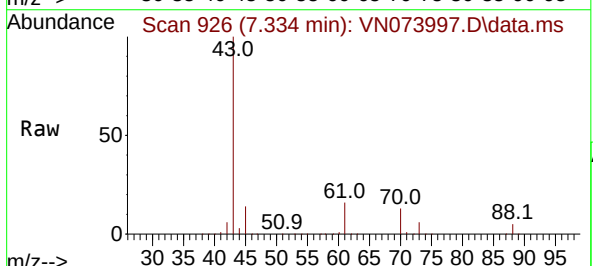
Tgt Ion: 43 Resp: 922665

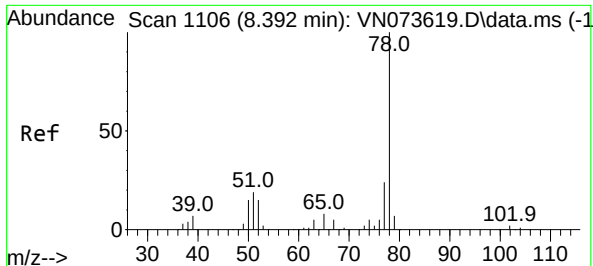
Ion Ratio Lower Upper

43 100

61 17.2 11.8 17.6

70 12.3 9.3 13.9

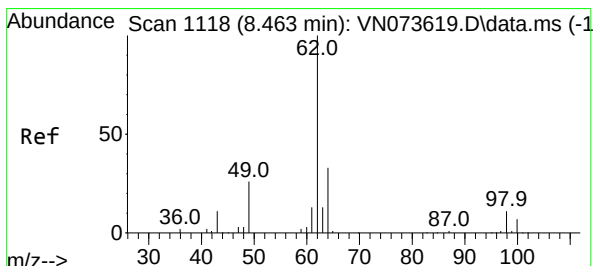
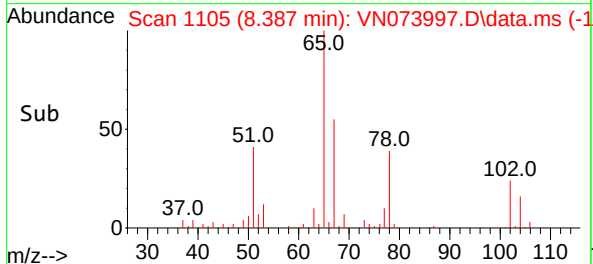
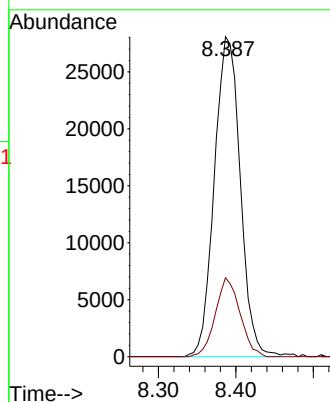
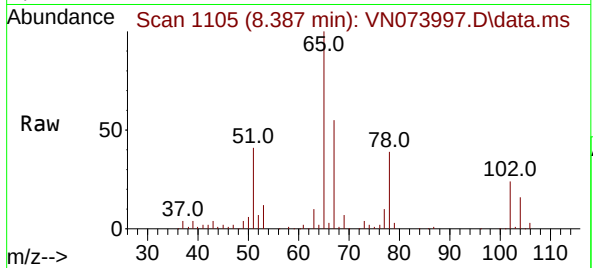




#40
Benzene
Concen: 2.297 ug/l
RT: 8.387 min Scan# 1105
Delta R.T. -0.005 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

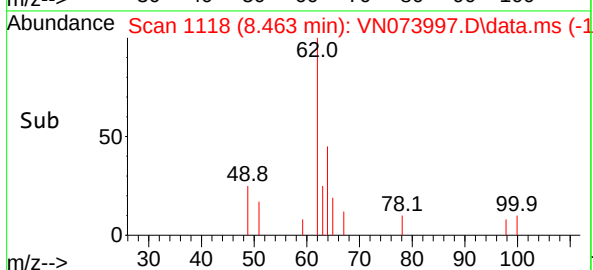
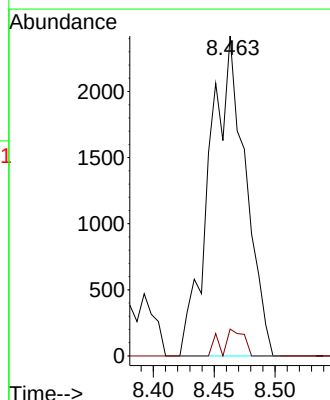
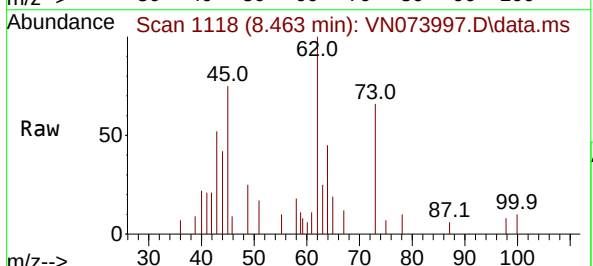
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

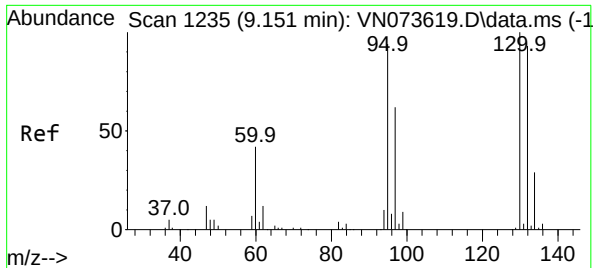
Tgt Ion: 78 Resp: 65196
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0



#42
1,2-Dichloroethane
Concen: 0.509 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 62 Resp: 4964
Ion Ratio Lower Upper
62 100
98 5.0 0.0 19.4

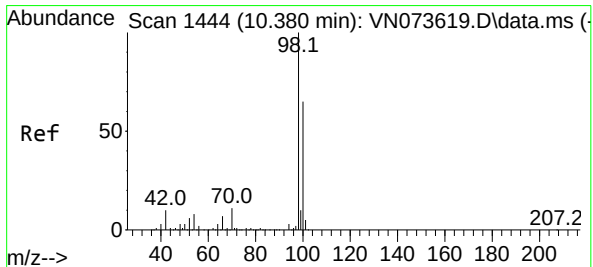
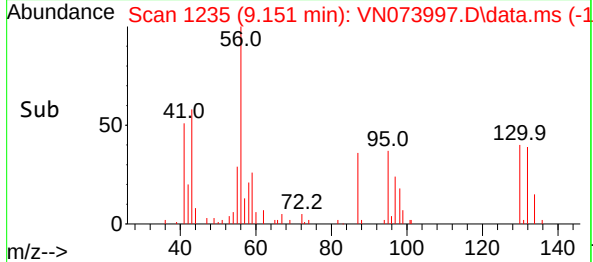
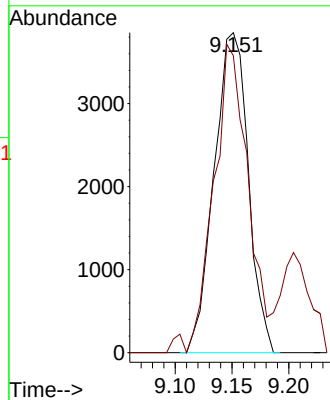
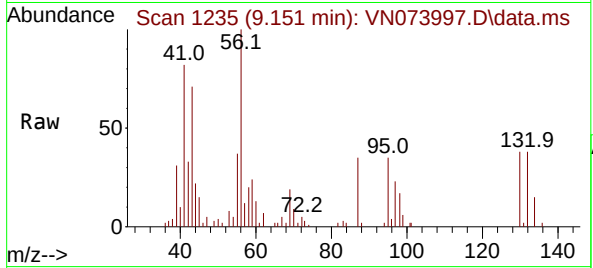




#44
 Trichloroethene
 Concen: 0.982 ug/l
 RT: 9.151 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN073997.D
 Acq: 18 Aug 2022 12:07

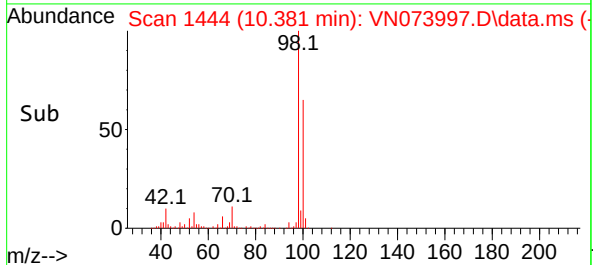
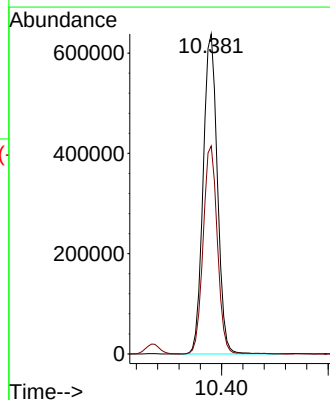
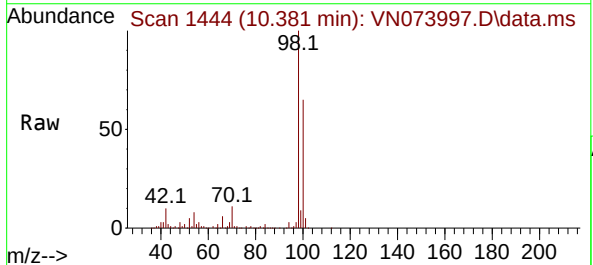
Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1630

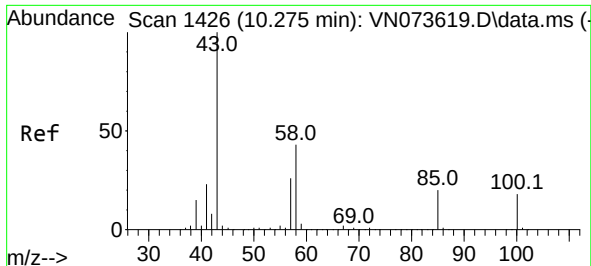
Tgt Ion:130 Resp: 8055
 Ion Ratio Lower Upper
 130 100
 95 87.1 0.0 186.8



#50
 Toluene-d8
 Concen: 47.067 ug/l
 RT: 10.381 min Scan# 1444
 Delta R.T. 0.001 min
 Lab File: VN073997.D
 Acq: 18 Aug 2022 12:07

Tgt Ion: 98 Resp: 1180357
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 18.105 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VN073997.D

Acq: 18 Aug 2022 12:07

Instrument :

MSVOA_N

ClientSampleId :

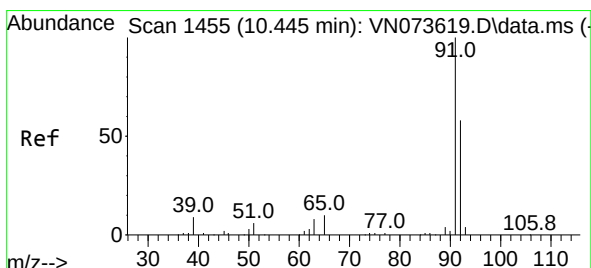
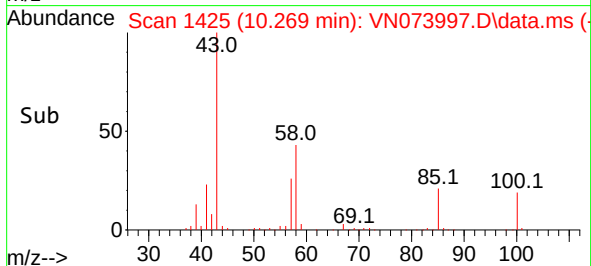
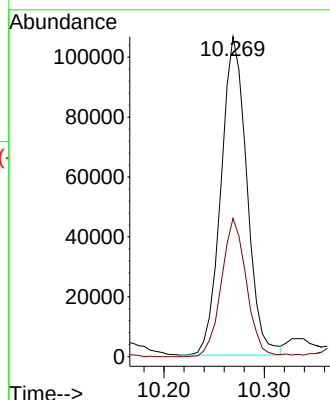
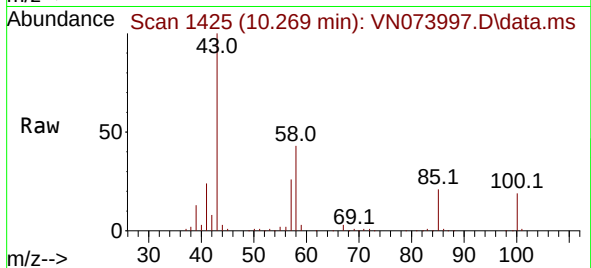
TRE-1630

Tgt Ion: 43 Resp: 190007

Ion Ratio Lower Upper

43 100

58 42.2 34.1 51.1



#52

Toluene

Concen: 10.092 ug/l

RT: 10.445 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VN073997.D

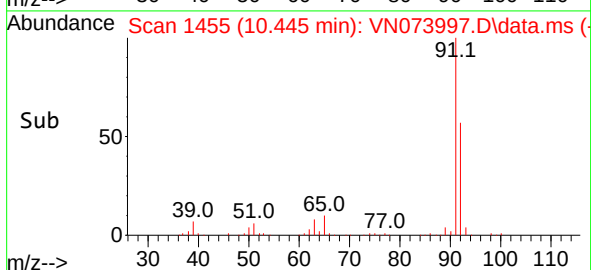
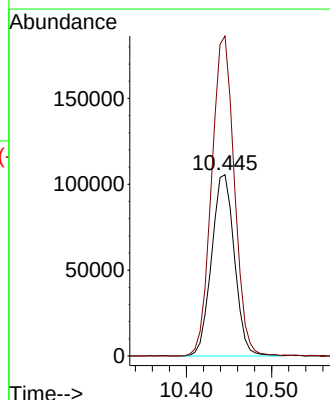
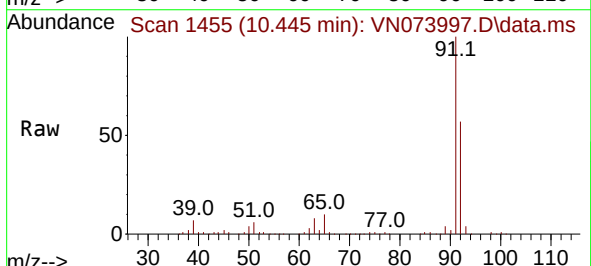
Acq: 18 Aug 2022 12:07

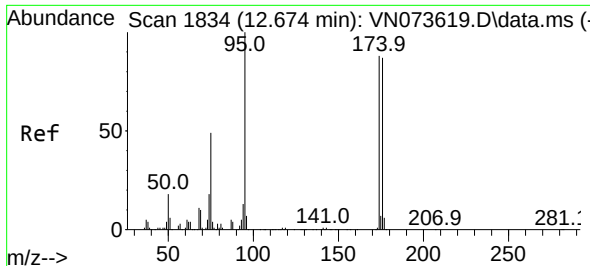
Tgt Ion: 92 Resp: 196439

Ion Ratio Lower Upper

92 100

91 176.2 138.6 207.8

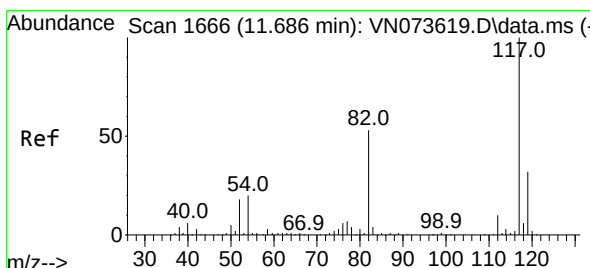
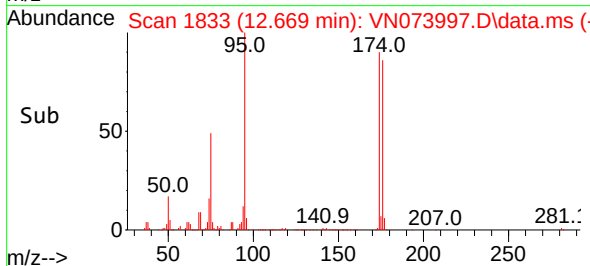
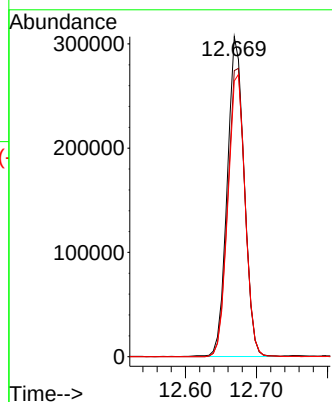
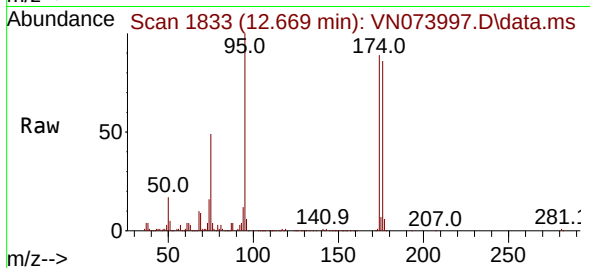




#62
4-Bromofluorobenzene
Concen: 60.902 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

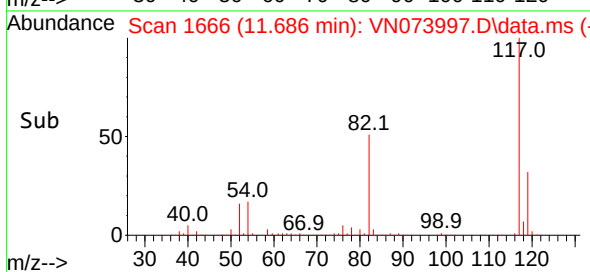
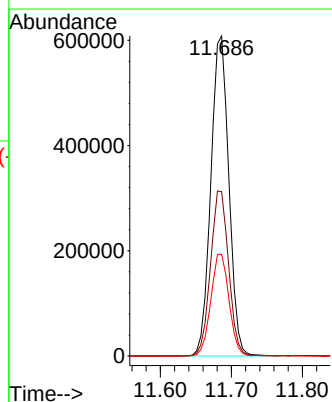
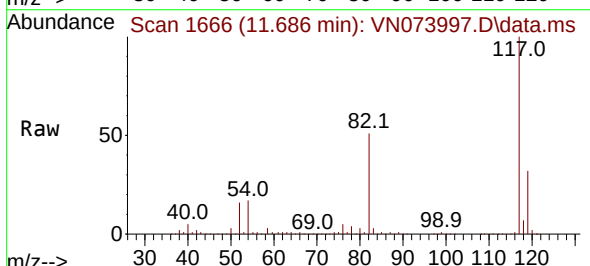
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

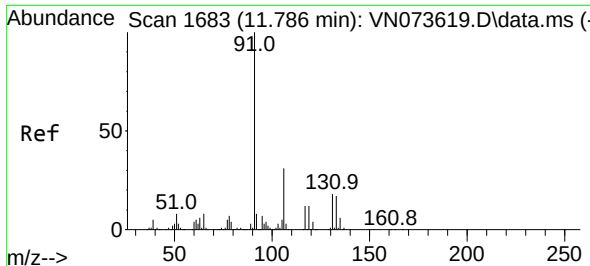
Tgt Ion: 95 Resp: 506885
Ion Ratio Lower Upper
95 100
174 92.1 0.0 167.6
176 90.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 117 Resp: 1068081
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 31.8 25.4 38.0

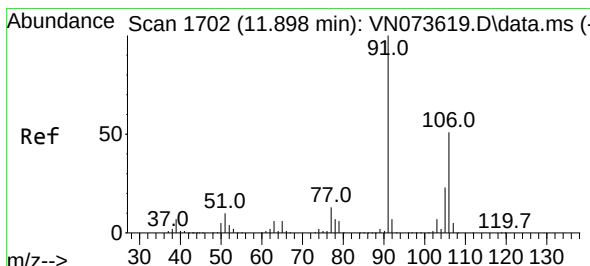
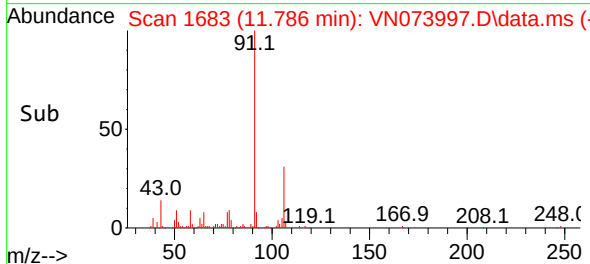
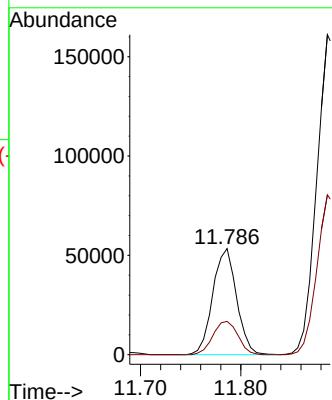
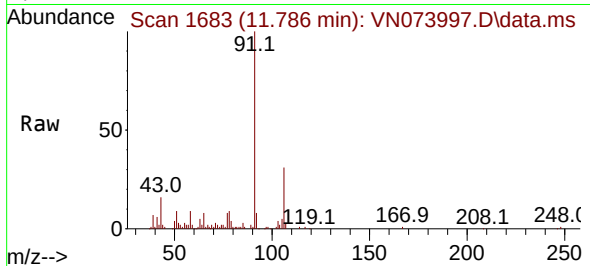




#67
Ethyl Benzene
Concen: 2.335 ug/l
RT: 11.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

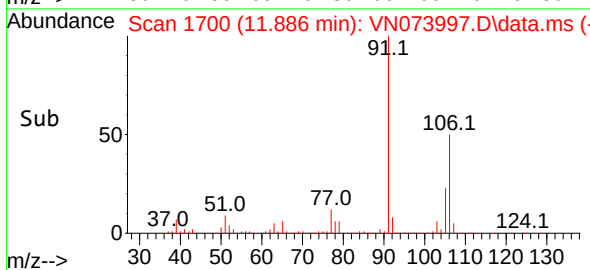
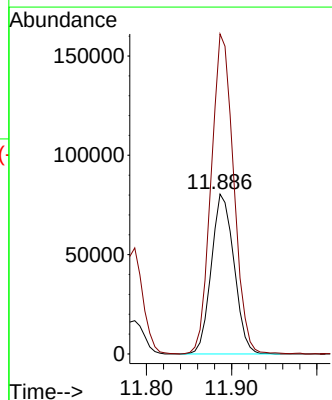
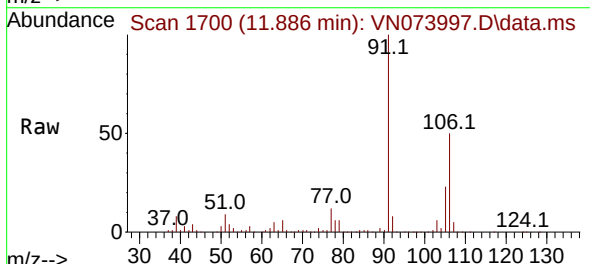
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

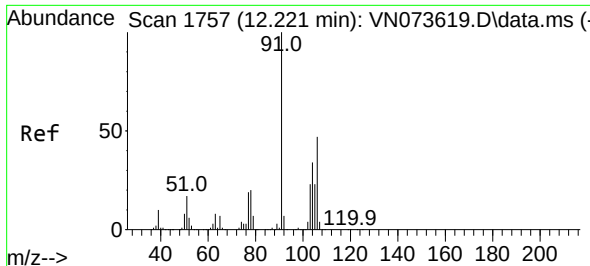
Tgt Ion: 91 Resp: 88159
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 9.701 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion:106 Resp: 148796
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3

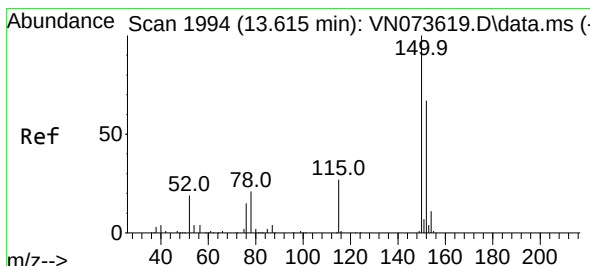
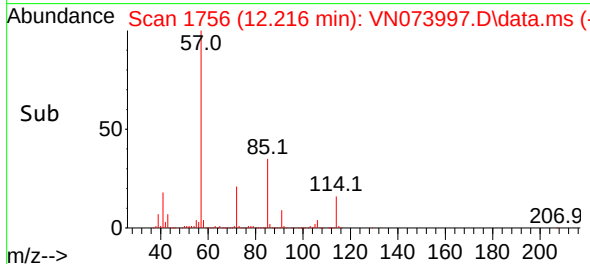
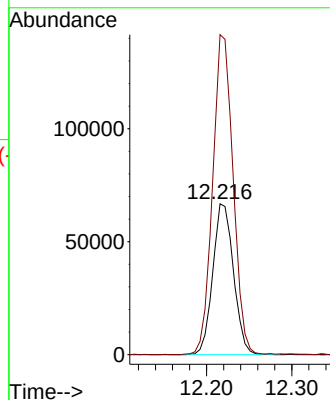
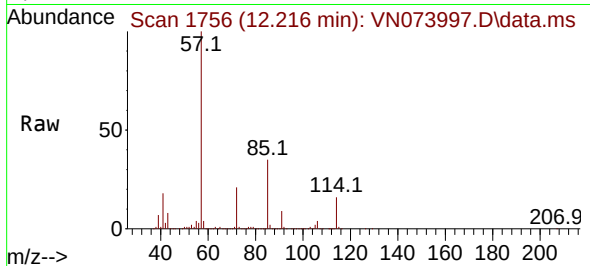




#69
o-Xylene
Concen: 7.320 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.005 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

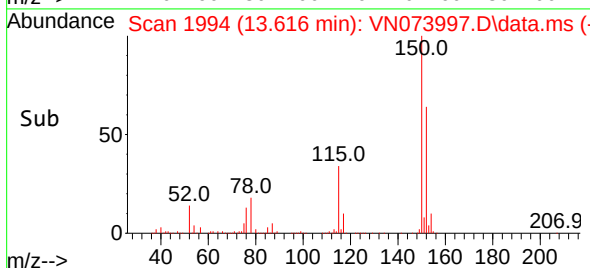
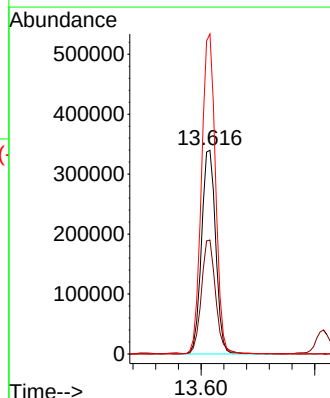
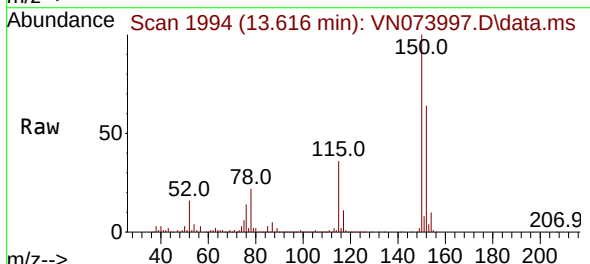
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

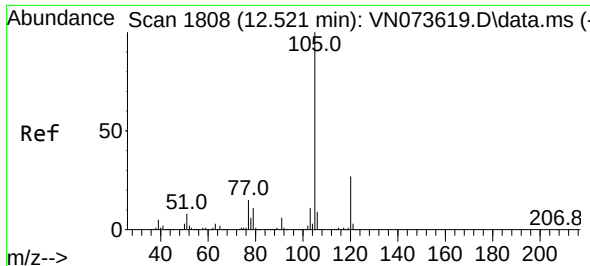
Tgt Ion:106 Resp: 112594
Ion Ratio Lower Upper
106 100
91 209.6 106.0 318.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion:152 Resp: 587470
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 155.6 0.0 356.2

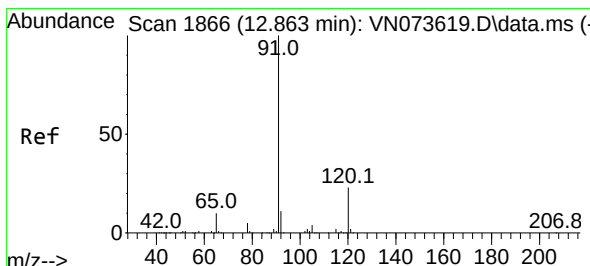
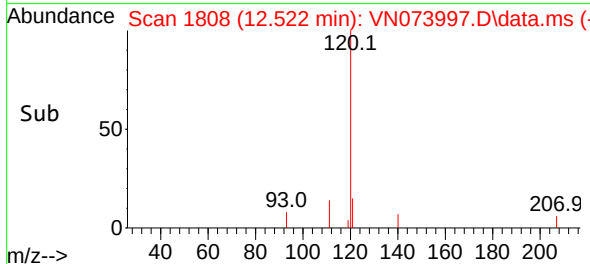
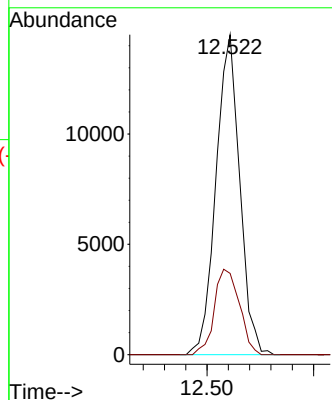
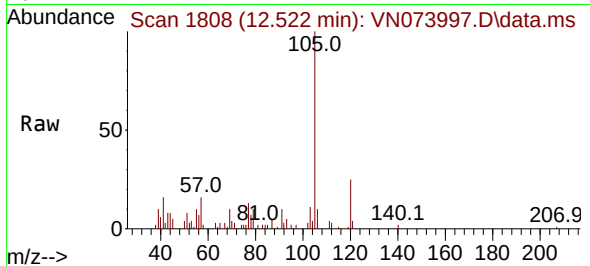




#73
Isopropylbenzene
Concen: 0.524 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

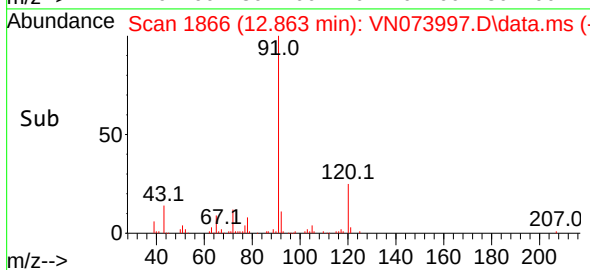
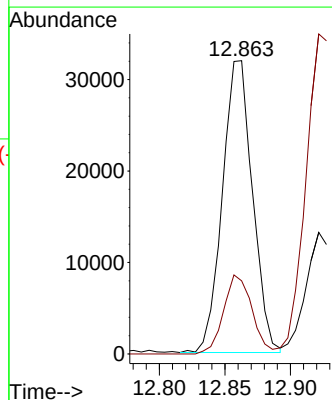
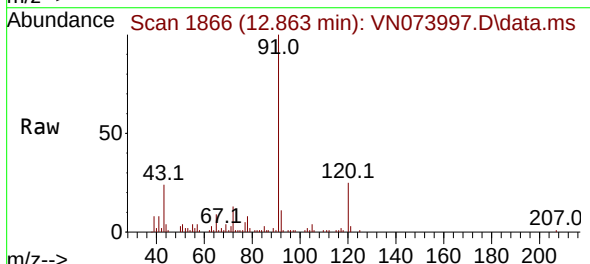
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

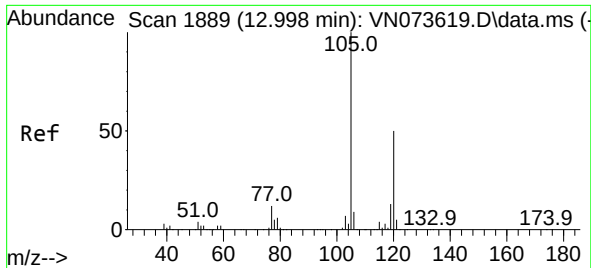
Tgt Ion:105 Resp: 22408
Ion Ratio Lower Upper
105 100
120 28.2 13.5 40.4



#78
n-propylbenzene
Concen: 1.117 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion: 91 Resp: 50935
Ion Ratio Lower Upper
91 100
120 25.4 11.9 35.5

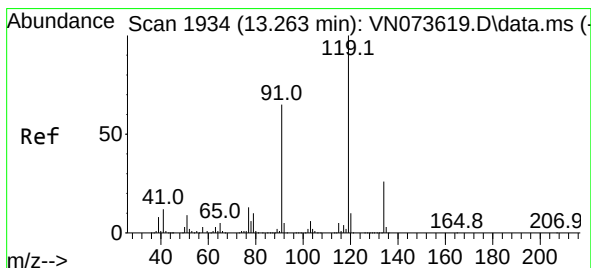
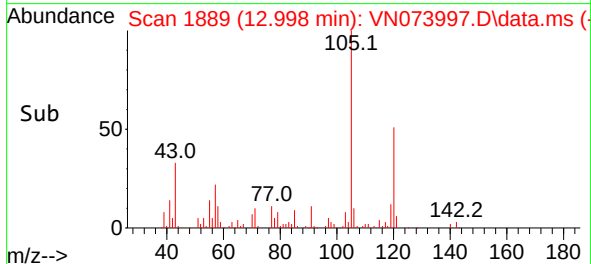
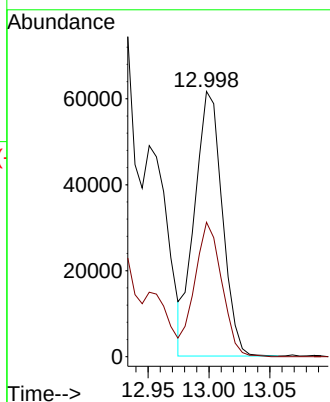
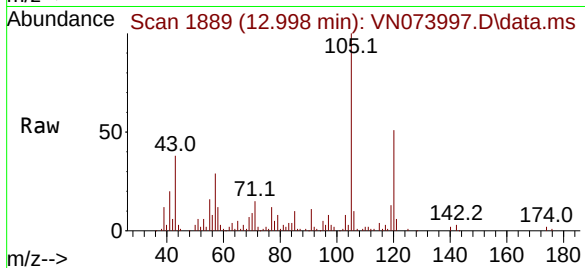




#80
1,3,5-Trimethylbenzene
Concen: 2.797 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

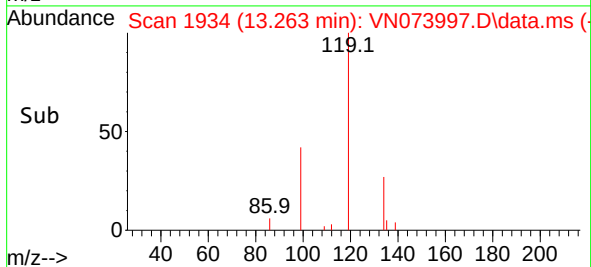
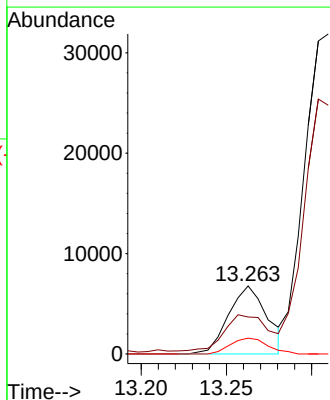
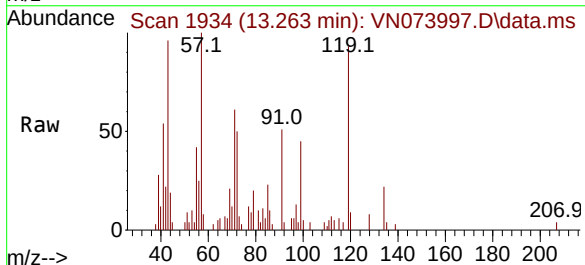
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

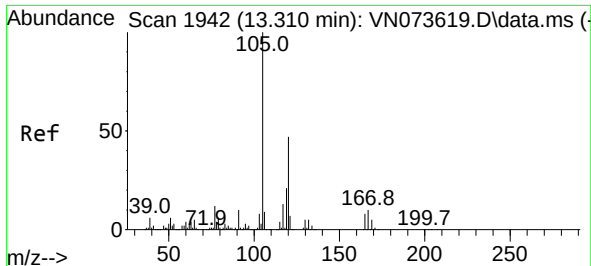
Tgt Ion:105 Resp: 97313
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.7



#83
tert-Butylbenzene
Concen: 0.331 ug/l
RT: 13.263 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion:119 Resp: 10608
Ion Ratio Lower Upper
119 100
91 60.9 31.6 94.8
134 22.5 13.7 41.1

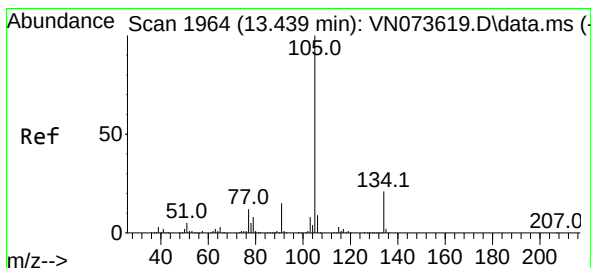
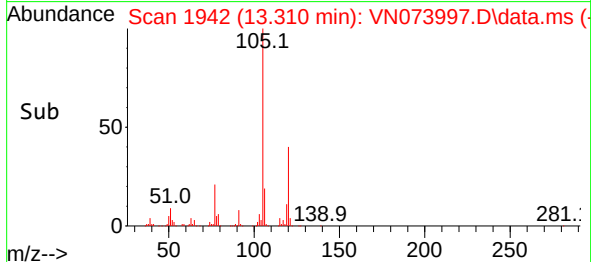
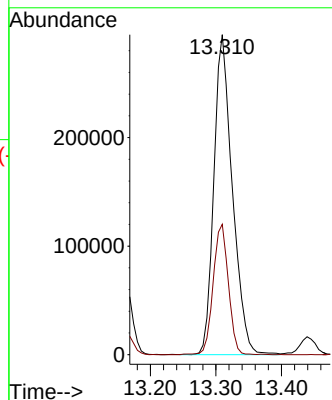
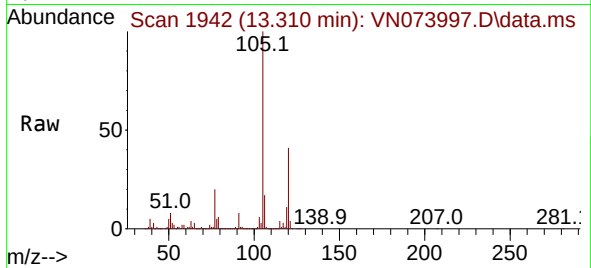




#84
1,2,4-Trimethylbenzene
Concen: 16.616 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

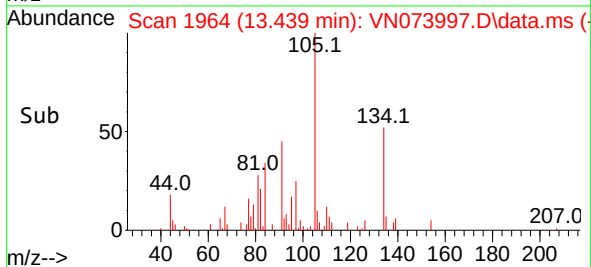
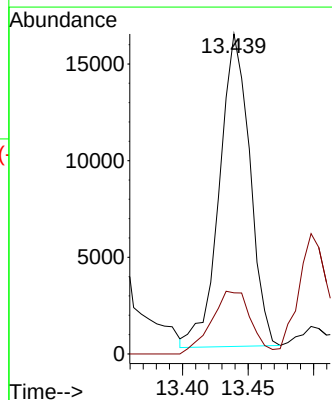
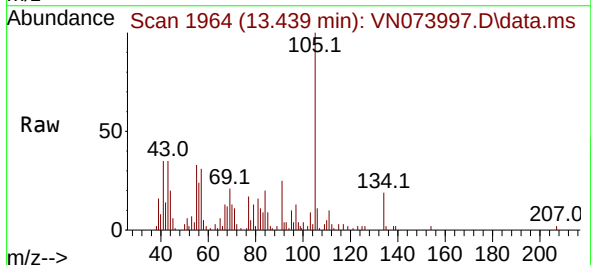
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

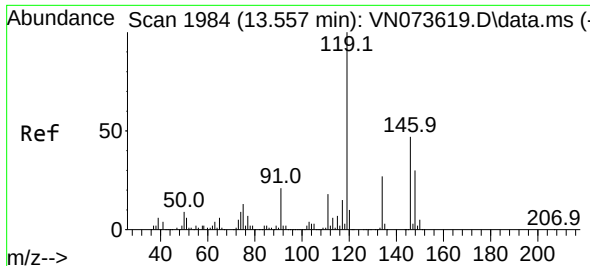
Tgt Ion:105 Resp: 577344
Ion Ratio Lower Upper
105 100
120 33.5 23.3 69.8



#85
sec-Butylbenzene
Concen: 0.628 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Tgt Ion:105 Resp: 26044
Ion Ratio Lower Upper
105 100
134 25.9 10.4 31.1

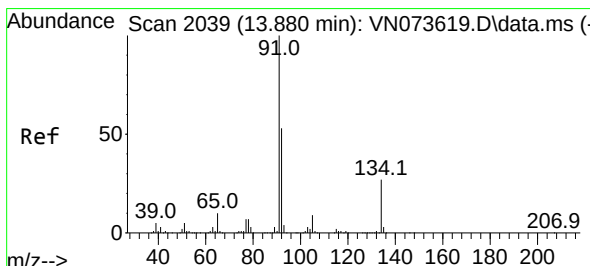
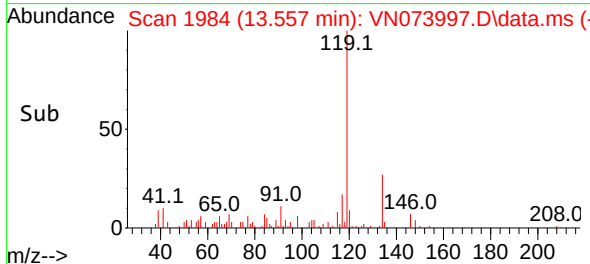
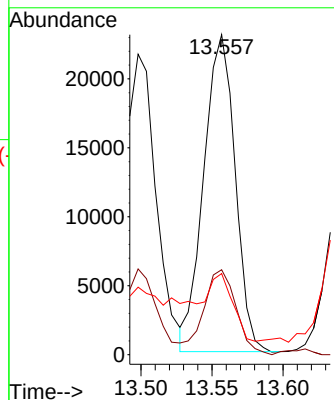
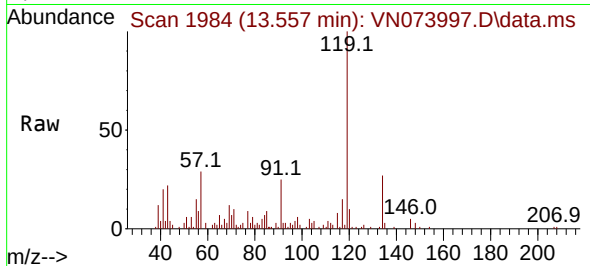




#86
p-Isopropyltoluene
Concen: 1.000 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

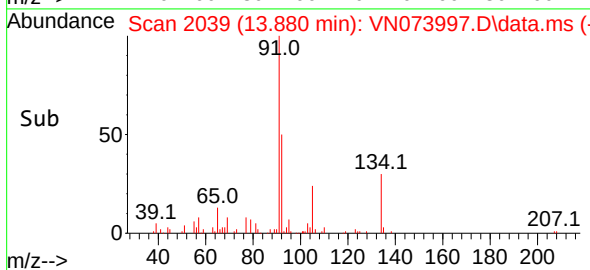
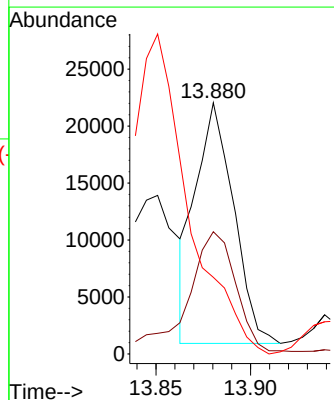
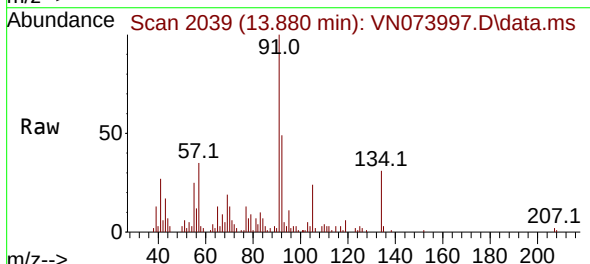
Instrument :
MSVOA_N
ClientSampleId :
TRE-1630

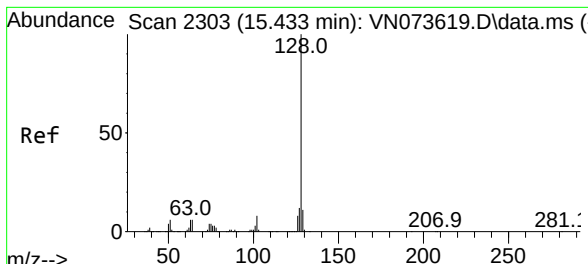
Tgt Ion:	119	Resp:	35352
Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.3	39.8
91	17.6	11.3	33.9



#89
n-Butylbenzene
Concen: 1.055 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

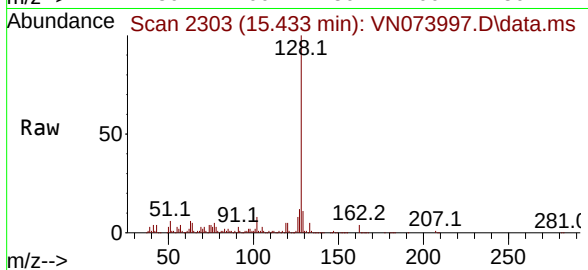
Tgt Ion:	91	Resp:	29550
Ion	Ratio	Lower	Upper
91	100		
92	62.5	26.9	80.7
134	0.0	13.6	40.8#





#95
Naphthalene
Concen: 14.598 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073997.D
Acq: 18 Aug 2022 12:07

Instrument :
MSVOA_N
ClientSampleId :
TRE-1630



Tgt Ion:	128	Resp:	600620
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.3	8.6	13.0

