

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050622\
 Data File : VN072357.D
 Acq On : 06 May 2022 16:11
 Operator : JC\MD
 Sample : N2725-08 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1281

Quant Time: May 09 03:13:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

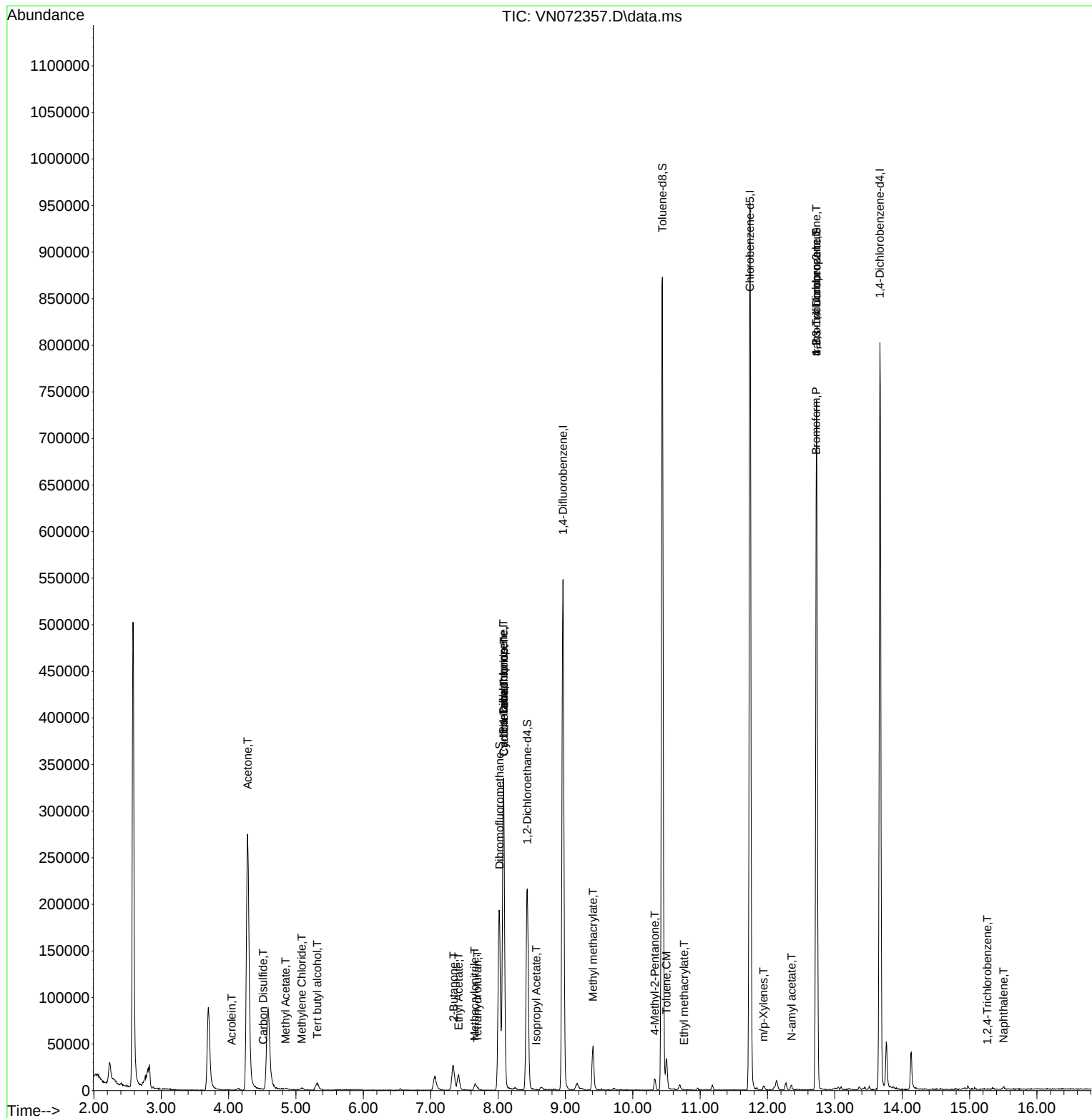
Internal Standards						
1) Pentafluorobenzene	8.081	168	242544	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	465523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	537232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	215858	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	188004	50.490	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.980%			
35) Dibromofluoromethane	8.022	113	143445	48.142	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.280%			
50) Toluene-d8	10.439	98	607434	51.882	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.760%			
62) 4-Bromofluorobenzene	12.727	95	254552	65.503	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 131.000%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	790	Below Cal	#	43
5) Bromomethane	2.822	94	726	Below Cal		96
6) Chloroethane	3.010	64	268	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	7383	12.065	ug/l #	72
13) Acrolein	4.046	56	137	0.222	ug/l #	16
16) Acetone	4.281	43	518509	322.980	ug/l	94
17) Carbon Disulfide	4.510	76	272	0.413	ug/l #	75
18) Methyl Acetate	4.846	43	3543	0.750	ug/l #	66
20) Methylene Chloride	5.087	84	1634	0.531	ug/l #	59
25) 2-Butanone	7.340	43	45124	17.649	ug/l	90
29) Tetrahydrofuran	7.692	42	637	0.380	ug/l #	44
31) Cyclohexane	8.087	56	5385	1.082	ug/l #	35
36) 1,1-Dichloropropene	8.081	75	19864	4.580	ug/l #	50
37) Ethyl Acetate	7.416	43	25673	4.457	ug/l	97
38) Carbon Tetrachloride	8.087	117	26243	5.650	ug/l #	18
41) Methacrylonitrile	7.651	41	1236	0.424	ug/l #	22
43) Isopropyl Acetate	8.569	43	427	0.848	ug/l #	53
48) Methyl methacrylate	9.410	41	6763	1.778	ug/l #	36
51) 4-Methyl-2-Pentanone	10.328	43	8886	1.635	ug/l #	85
52) Toluene	10.498	92	12461	1.549	ug/l	99
56) Ethyl methacrylate	10.763	69	58	2.375	ug/l #	28
68) m/p-Xylenes	11.939	106	1953	0.278	ug/l	85
71) Bromoform	12.722	173	1682	0.553	ug/l #	28
74) N-amyl acetate	12.357	43	4438	0.621	ug/l #	42
76) 1,2,3-Trichloropropane	12.727	75	134020	27.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	134020	71.789	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.263	180	127	2.456	ug/l #	58
95) Naphthalene	15.504	128	3230	4.564	ug/l #	81

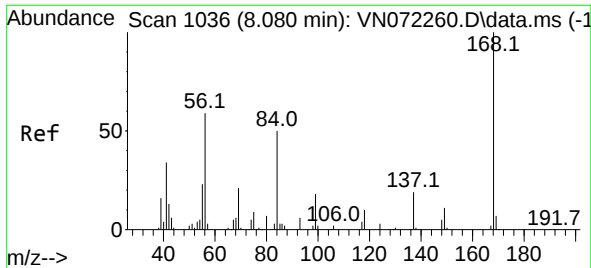
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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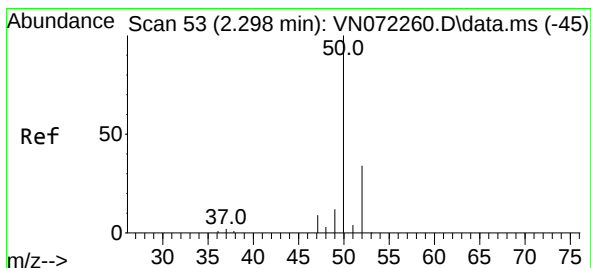
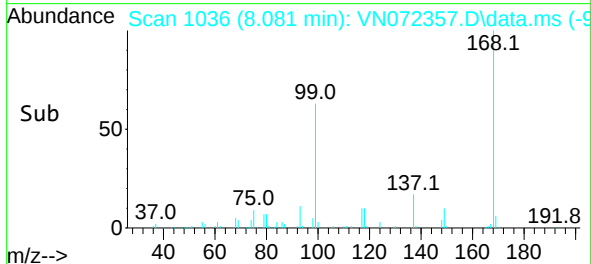
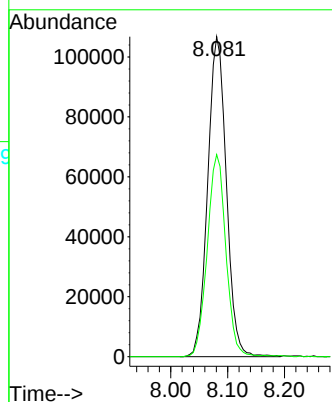
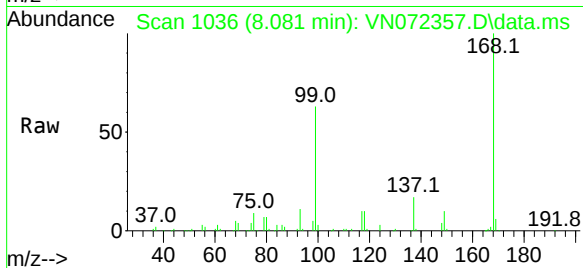




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

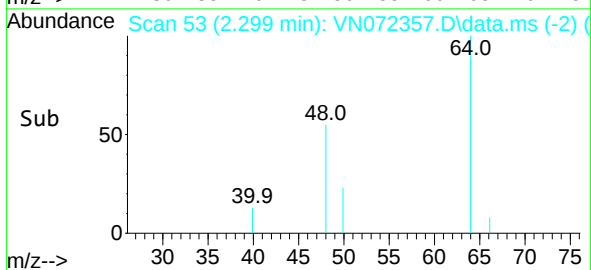
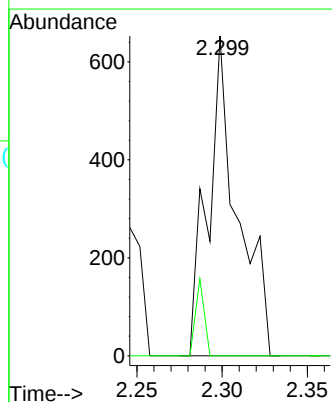
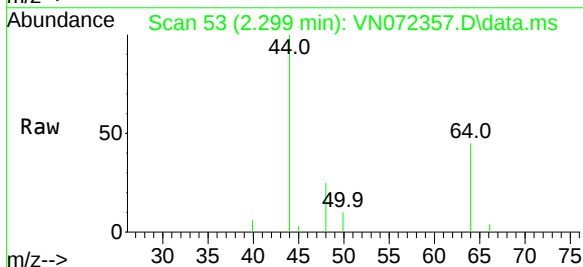
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

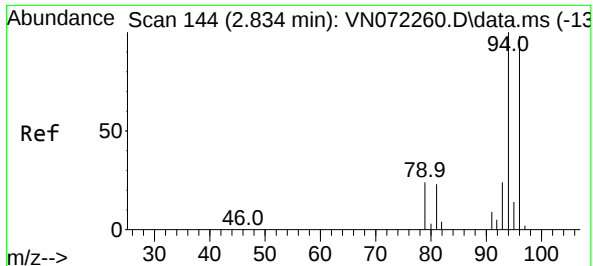
Tgt Ion:168 Resp: 242544
Ion Ratio Lower Upper
168 100
99 63.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 50 Resp: 790
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

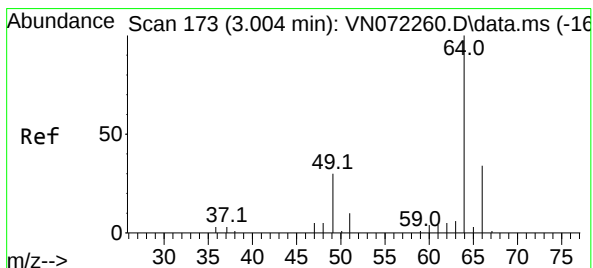
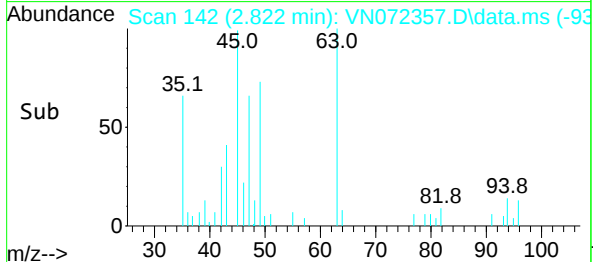
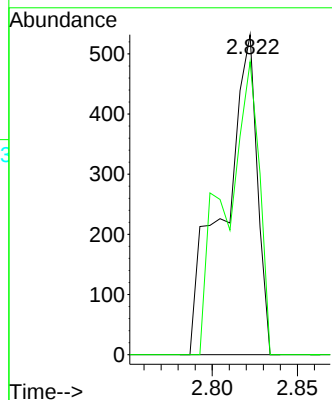
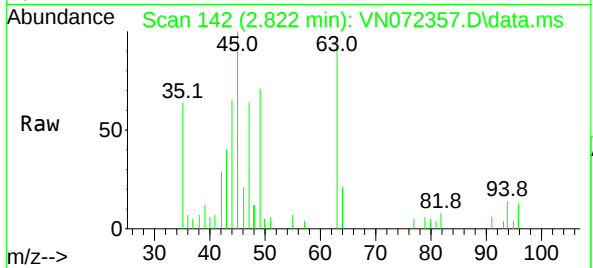




#5
Bromomethane
Concen: Below Cal
RT: 2.822 min Scan# 144
Delta R.T. -0.012 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

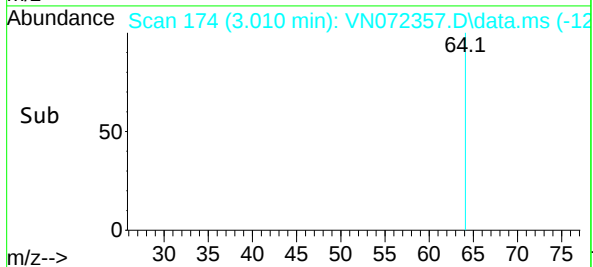
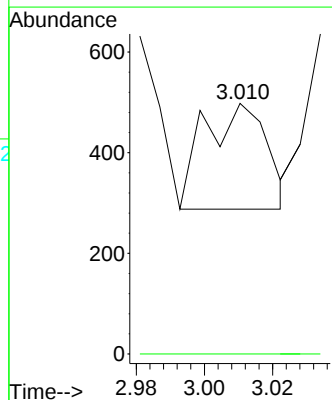
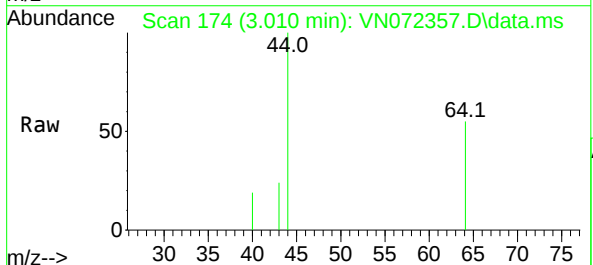
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

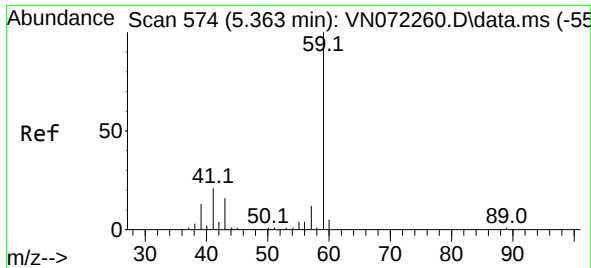
Tgt Ion: 94 Resp: 726
Ion Ratio Lower Upper
94 100
96 91.5 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 3.010 min Scan# 174
Delta R.T. 0.005 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

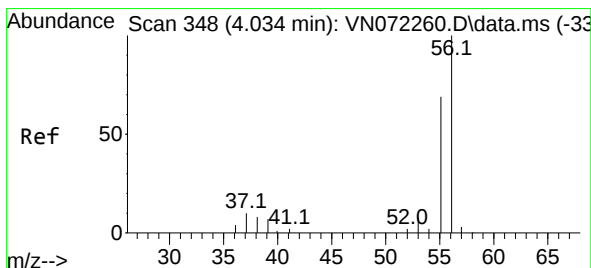
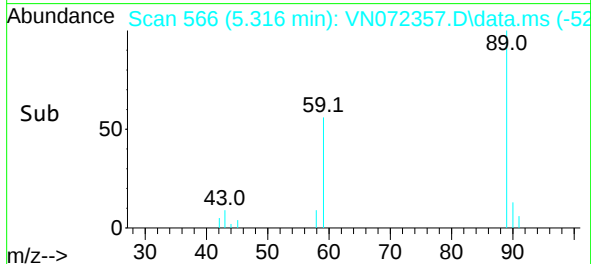
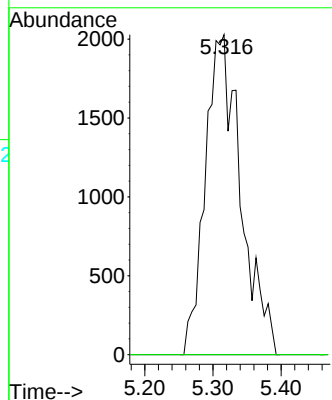
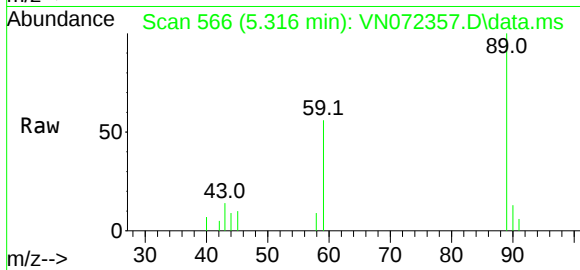




#11
Tert butyl alcohol
Concen: 12.065 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.047 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

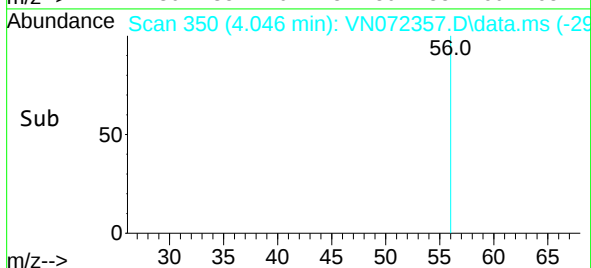
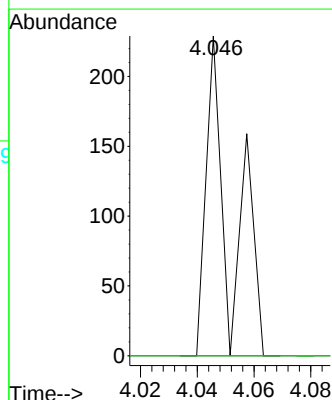
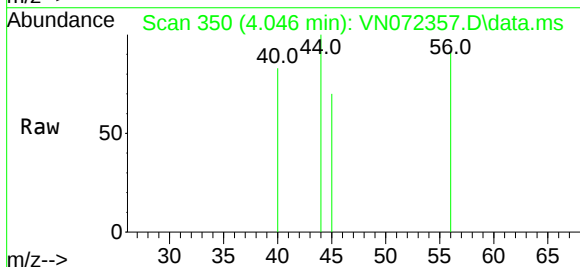
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

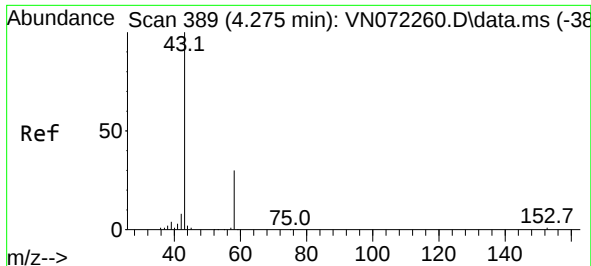
Tgt Ion: 59 Resp: 7383
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.222 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 56 Resp: 137
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

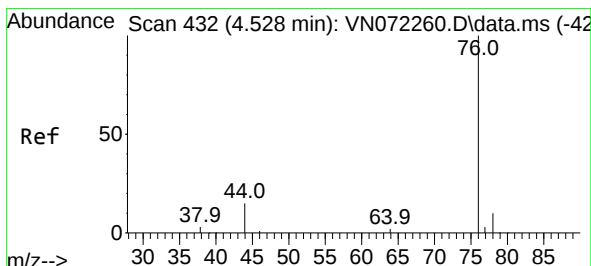
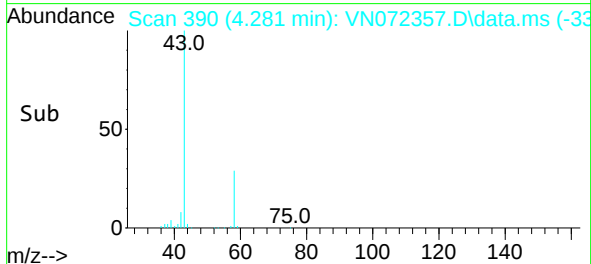
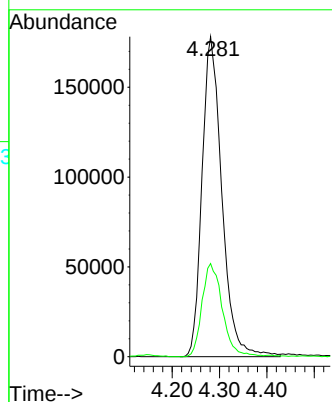
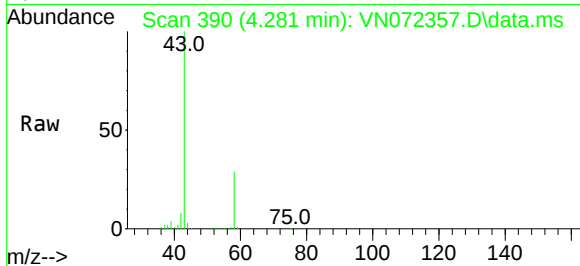




#16
Acetone
Concen: 322.980 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

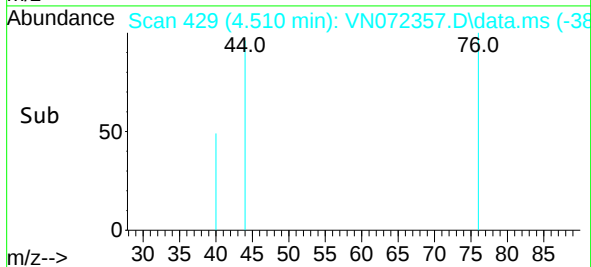
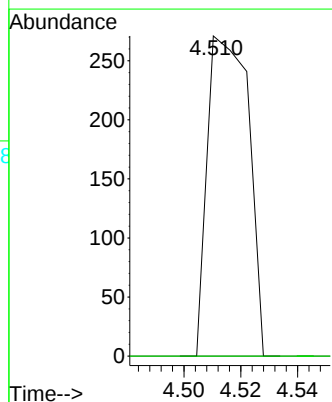
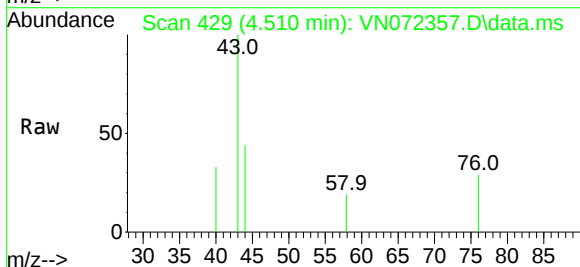
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

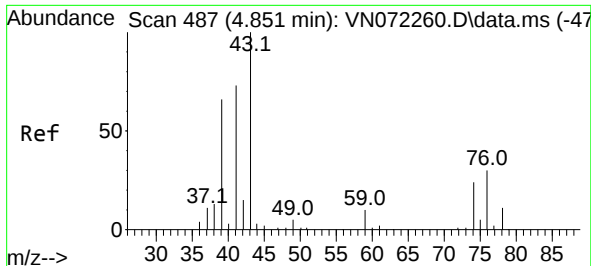
Tgt Ion: 43 Resp: 518509
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0



#17
Carbon Disulfide
Concen: 0.413 ug/l
RT: 4.510 min Scan# 429
Delta R.T. -0.024 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 76 Resp: 272
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

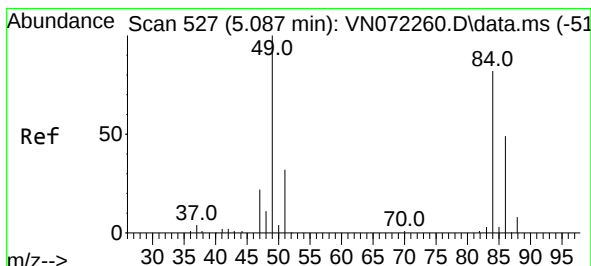
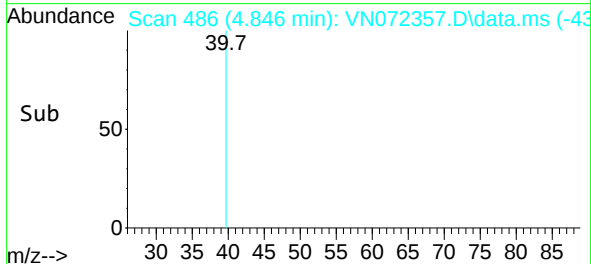
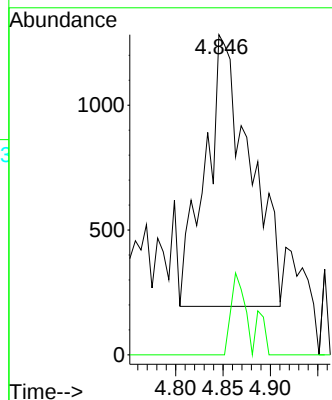
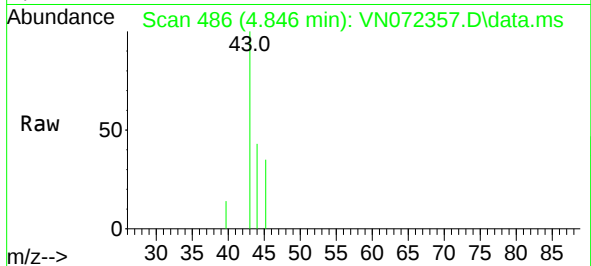




#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 4.846 min Scan# 41
Delta R.T. -0.005 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

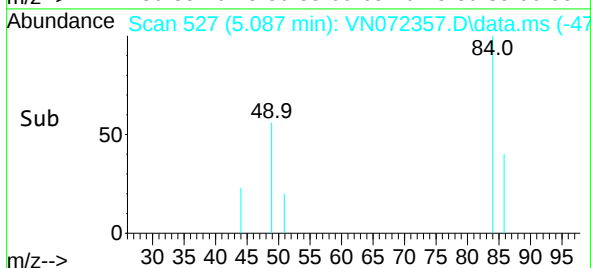
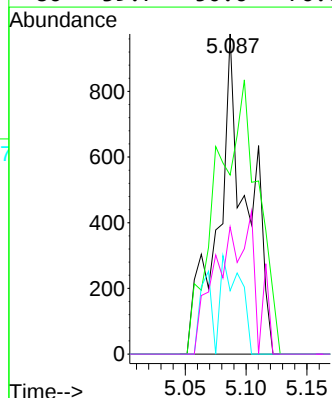
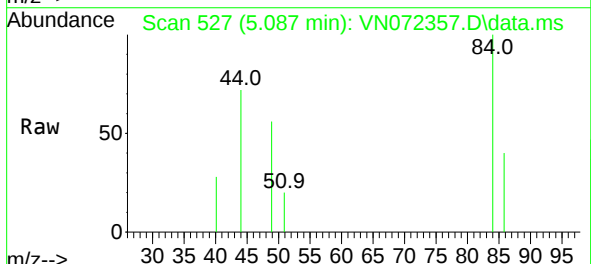
Instrument :
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ClientSampleId :
TRE-1281

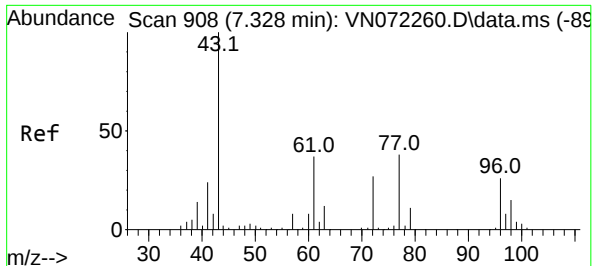
Tgt Ion: 43 Resp: 3543
Ion Ratio Lower Upper
43 100
74 9.2 21.6 32.4#



#20
Methylene Chloride
Concen: 0.531 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 84 Resp: 1634
Ion Ratio Lower Upper
84 100
49 55.9 88.3 132.5#
51 19.8 28.2 42.2#
86 39.7 50.6 76.0#





#25

2-Butanone

Concen: 17.649 ug/l

RT: 7.340 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

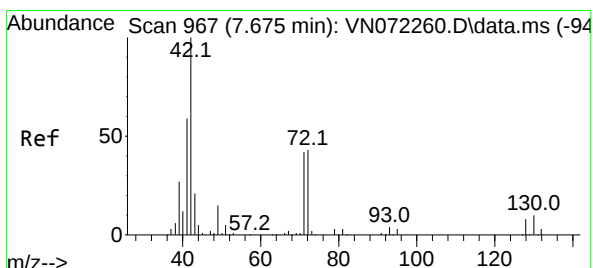
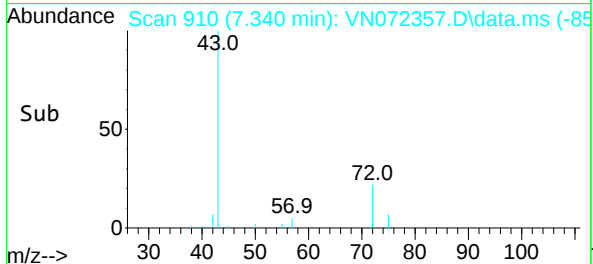
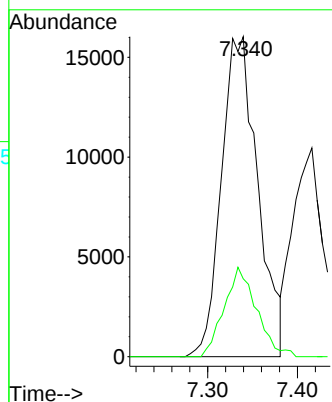
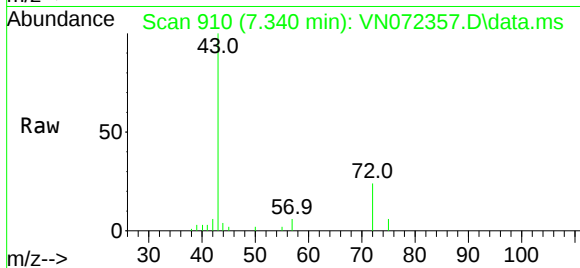
TRE-1281

Tgt Ion: 43 Resp: 45124

Ion Ratio Lower Upper

43 100

72 24.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.380 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

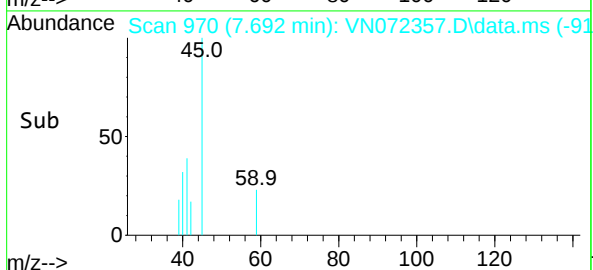
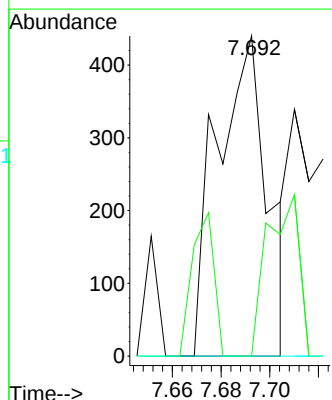
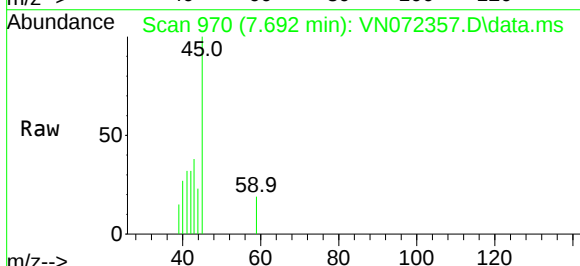
Tgt Ion: 42 Resp: 637

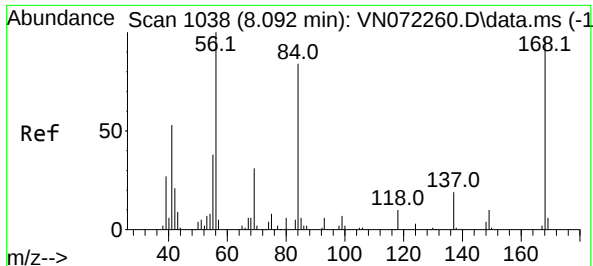
Ion Ratio Lower Upper

42 100

72 19.3 39.7 59.5#

71 0.0 36.6 55.0#

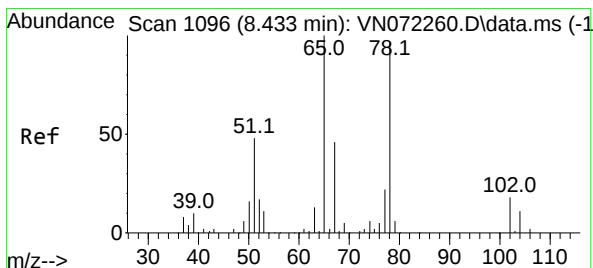
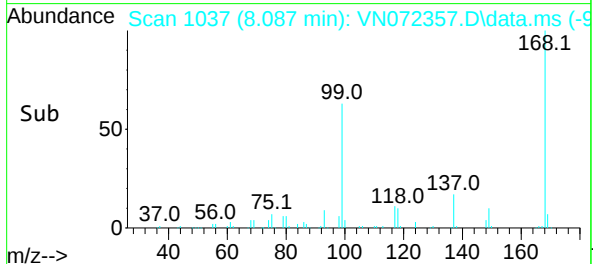
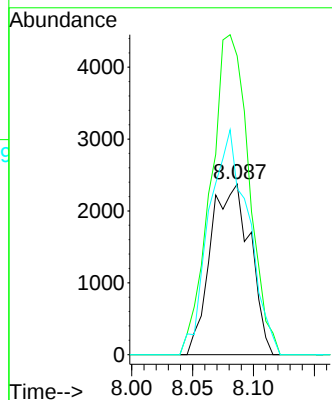
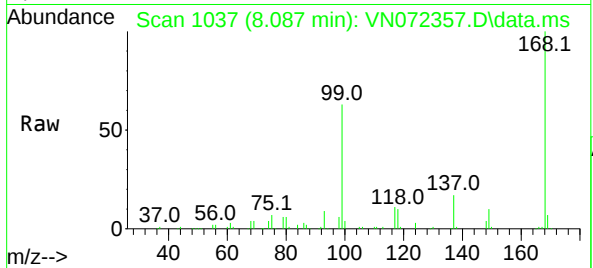




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

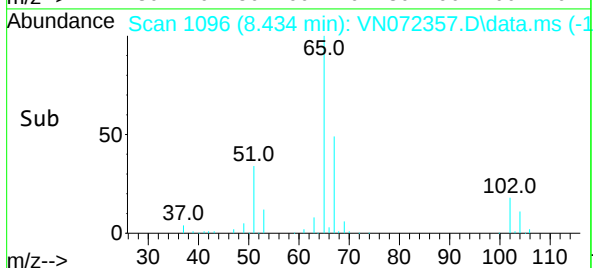
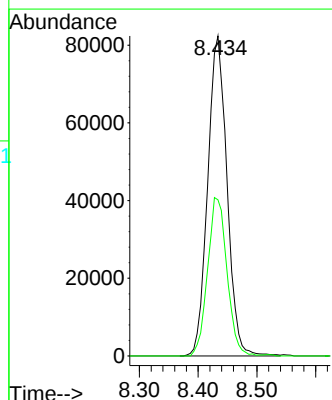
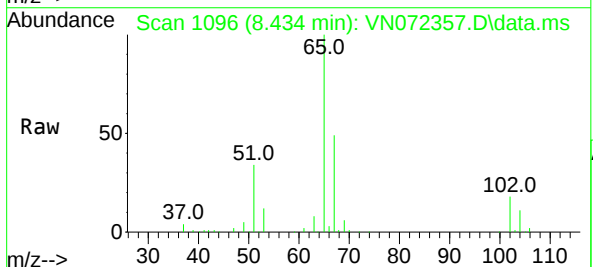
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

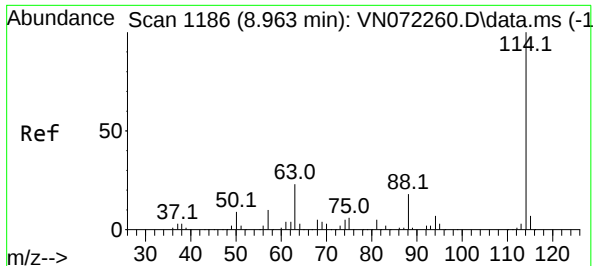
Tgt Ion: 56 Resp: 5385
Ion Ratio Lower Upper
56 100
69 175.2 27.8 41.8#
84 97.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 50.490 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 65 Resp: 188004
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

TRE-1281

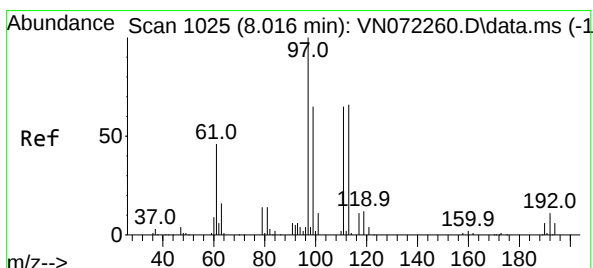
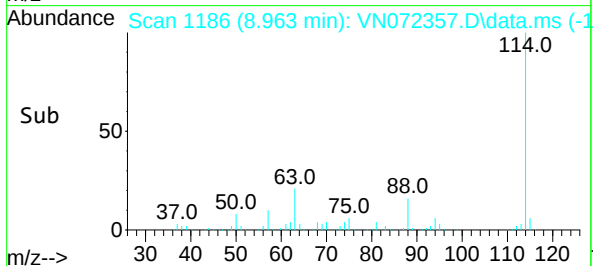
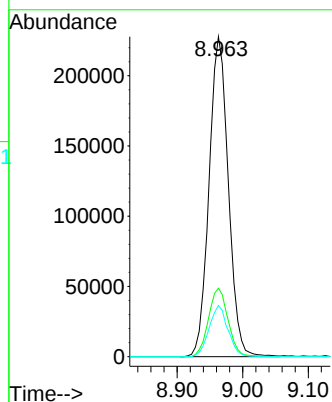
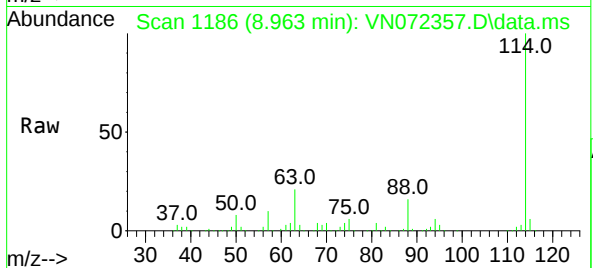
Tgt Ion:114 Resp: 465523

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.142 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

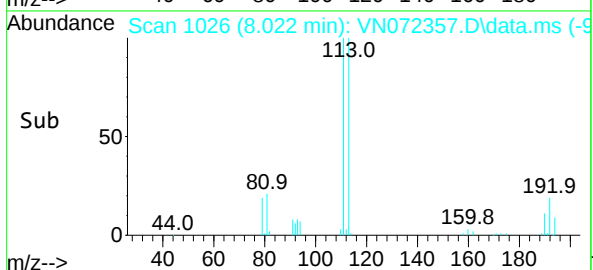
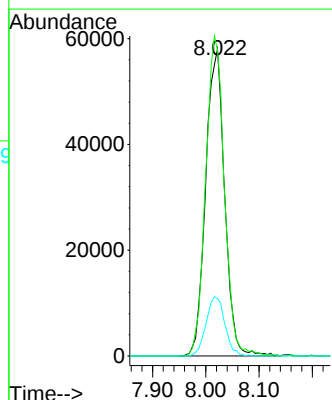
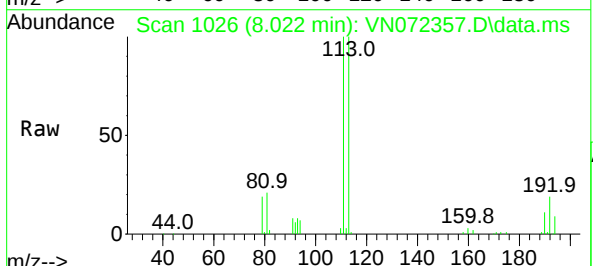
Tgt Ion:113 Resp: 143445

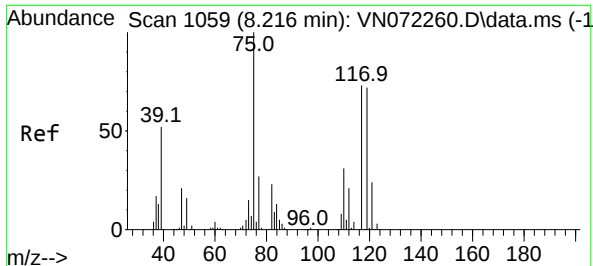
Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 19.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.580 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

TRE-1281

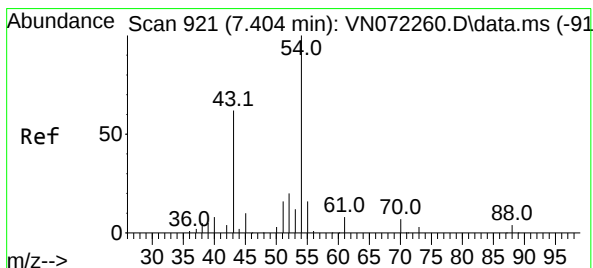
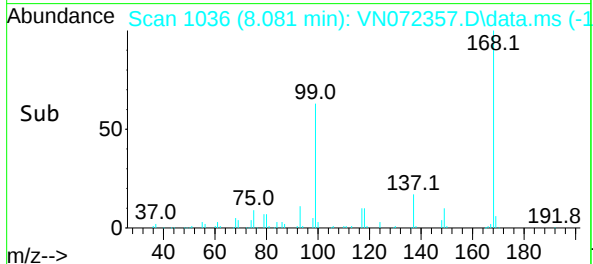
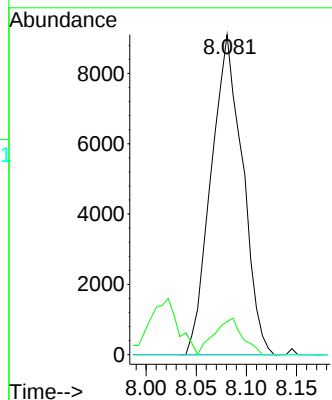
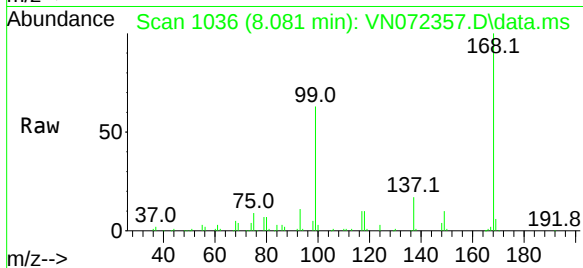
Tgt Ion: 75 Resp: 19864

Ion Ratio Lower Upper

75 100

110 10.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 4.457 ug/l

RT: 7.416 min Scan# 923

Delta R.T. 0.006 min

Lab File: VN072357.D

Acq: 06 May 2022 16:11

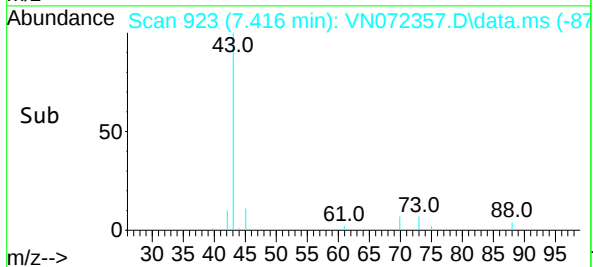
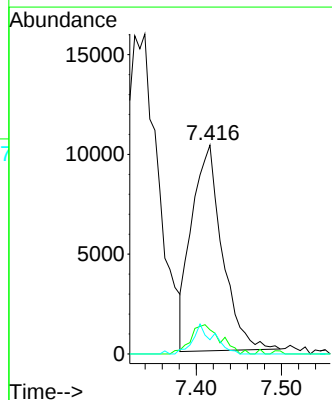
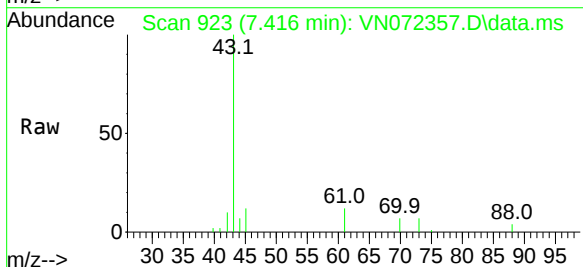
Tgt Ion: 43 Resp: 25673

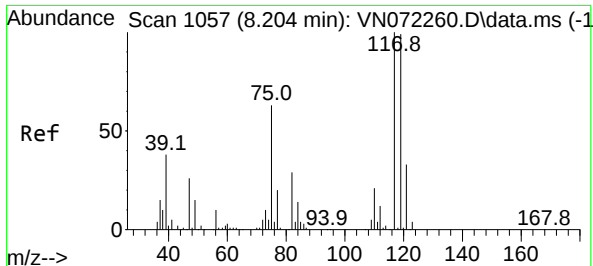
Ion Ratio Lower Upper

43 100

61 13.8 11.8 17.6

70 10.0 9.3 13.9

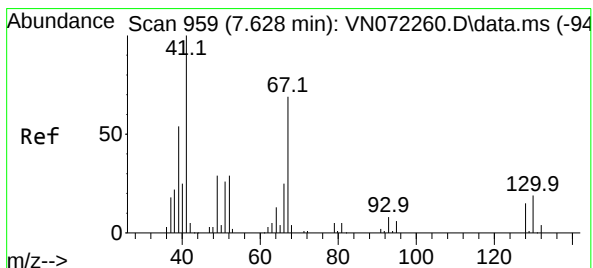
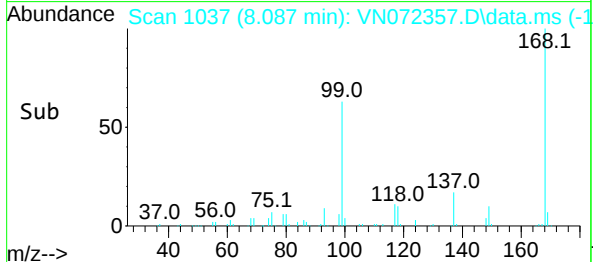
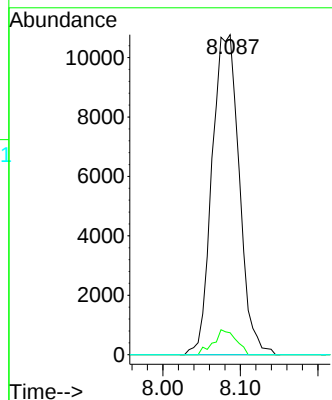
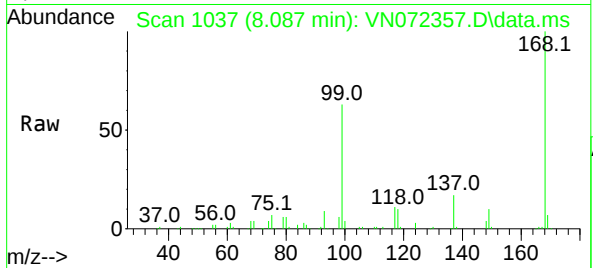




#38
Carbon Tetrachloride
Concen: 5.650 ug/l
RT: 8.087 min Scan# 1057
Delta R.T. -0.117 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

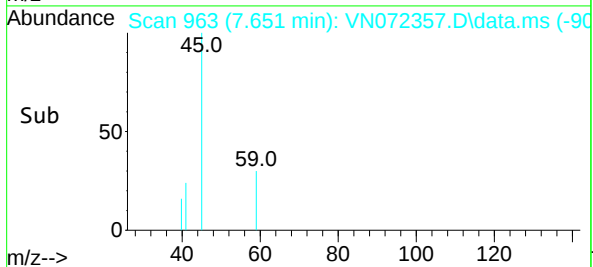
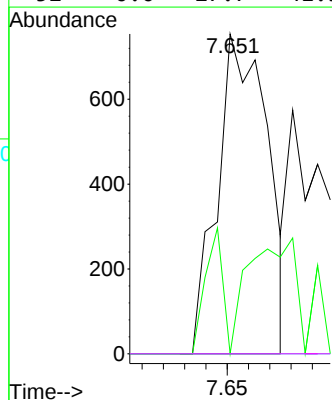
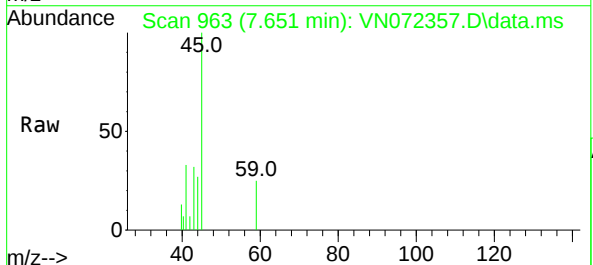
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

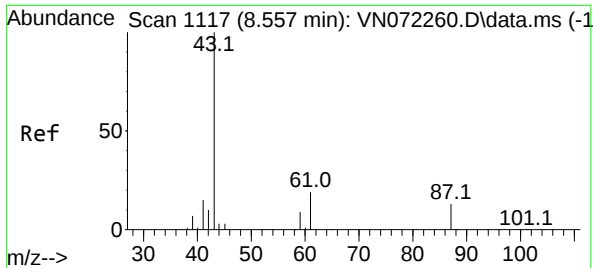
Tgt Ion:117 Resp: 26243
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.424 ug/l
RT: 7.651 min Scan# 963
Delta R.T. 0.017 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 41 Resp: 1236
Ion Ratio Lower Upper
41 100
39 13.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

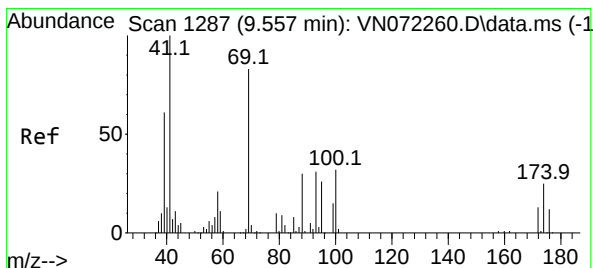
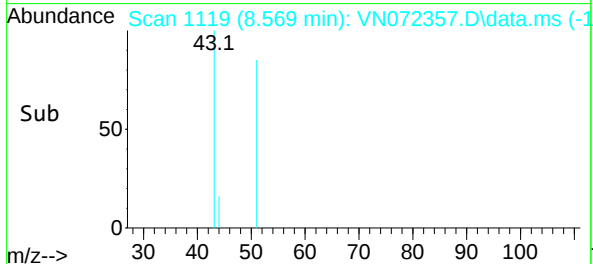
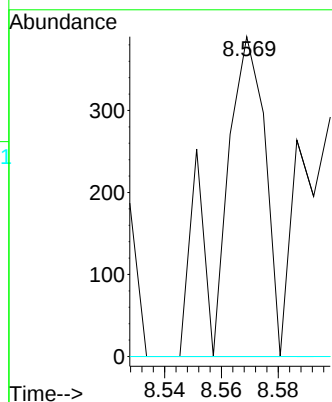
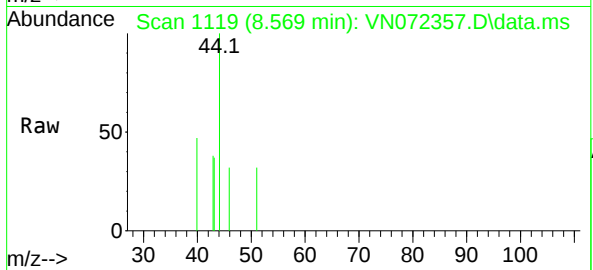




#43
Isopropyl Acetate
Concen: 0.848 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

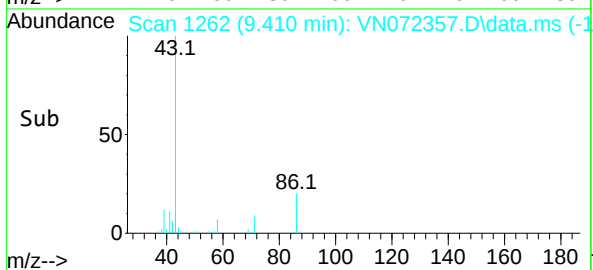
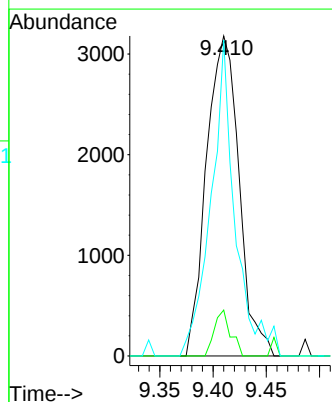
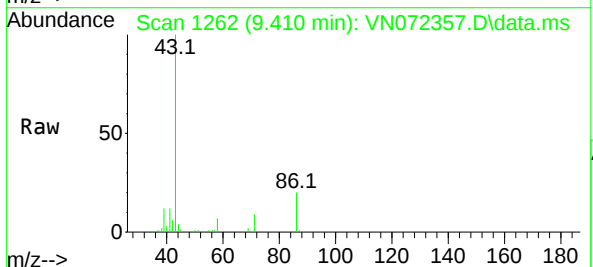
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

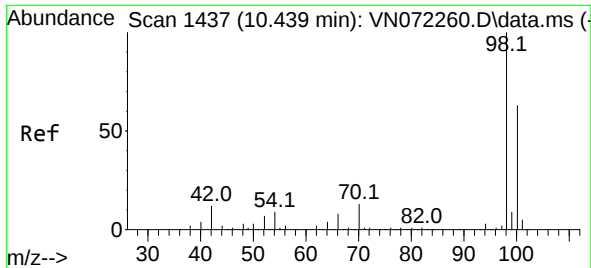
Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.778 ug/l
RT: 9.410 min Scan# 1262
Delta R.T. -0.147 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 41 Resp: 6763
Ion Ratio Lower Upper
41 100
69 7.2 74.7 112.1#
39 73.8 45.6 68.4#

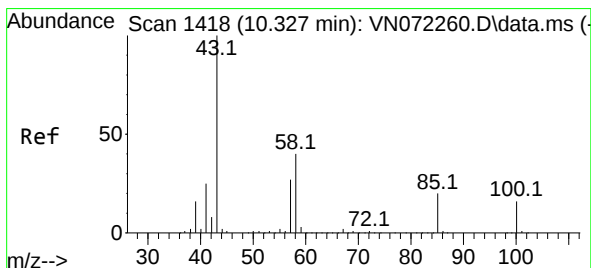
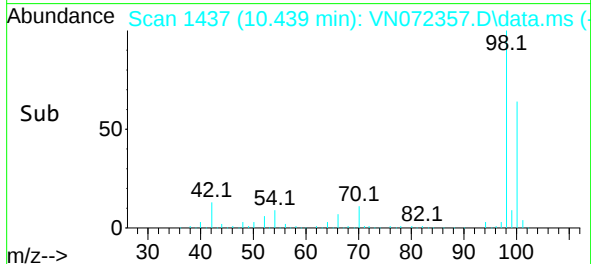
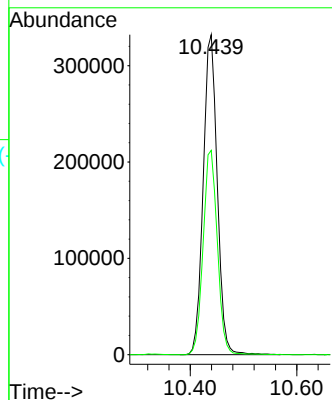
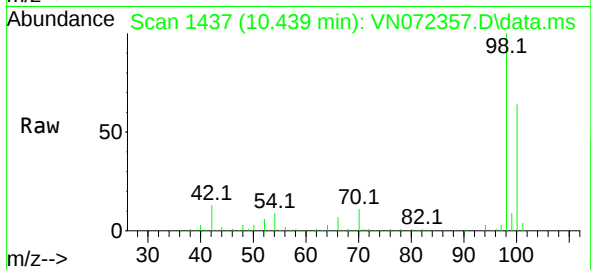




#50
Toluene-d8
Concen: 51.882 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

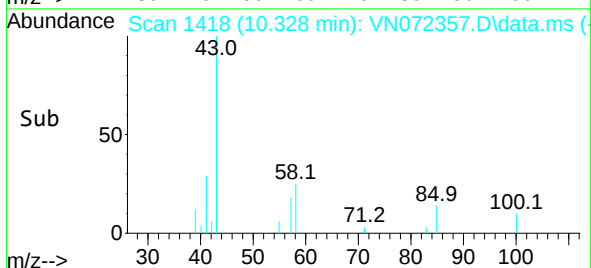
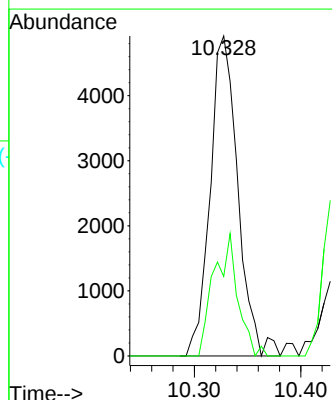
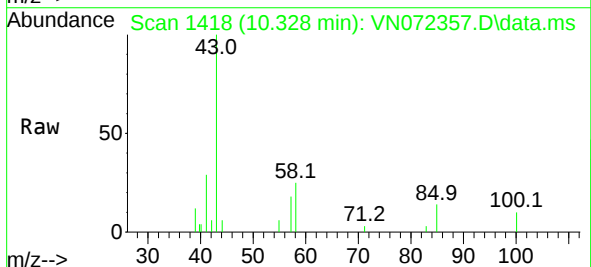
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

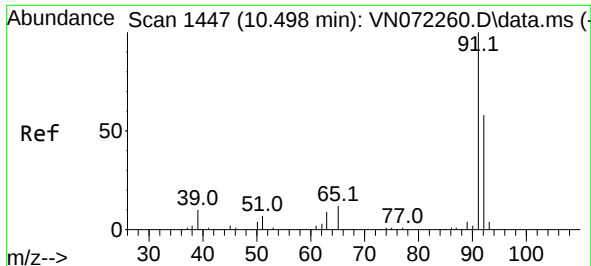
Tgt Ion: 98 Resp: 607434
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.635 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 43 Resp: 8886
Ion Ratio Lower Upper
43 100
58 33.0 34.1 51.1#

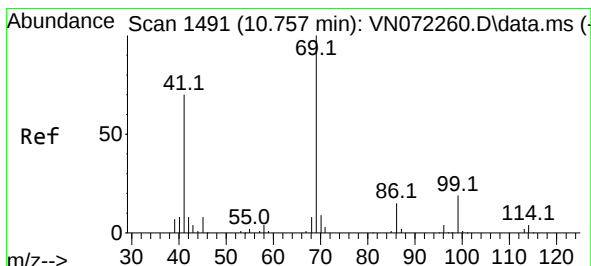
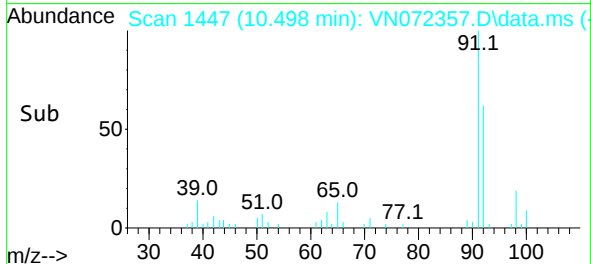
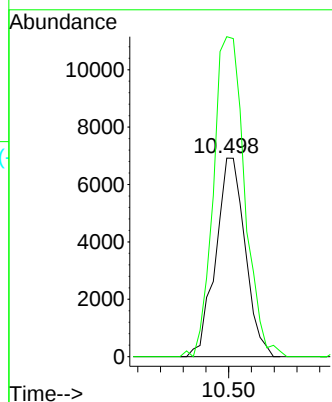
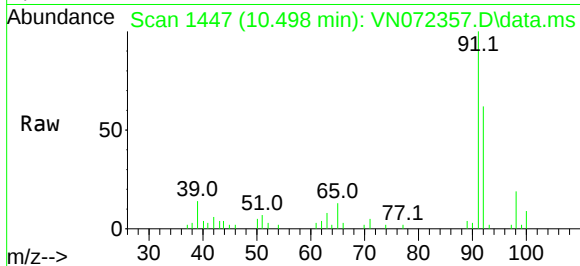




#52
Toluene
Concen: 1.549 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

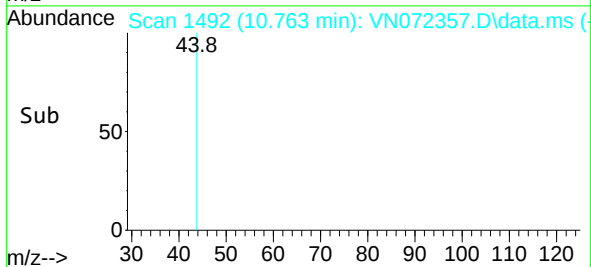
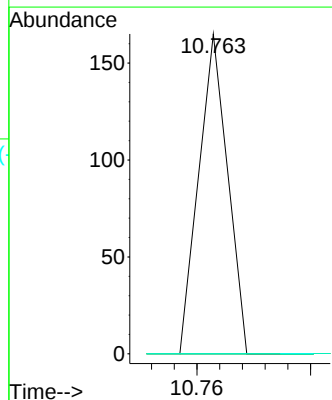
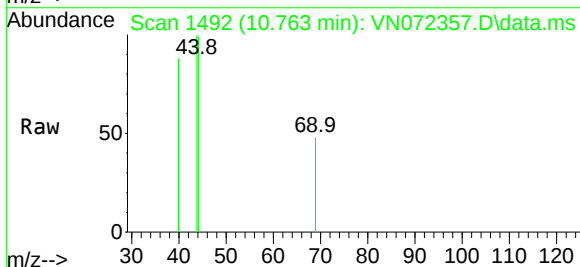
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

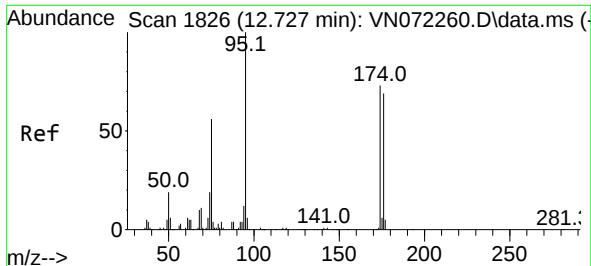
Tgt Ion: 92 Resp: 12461
Ion Ratio Lower Upper
92 100
91 171.1 138.6 207.8



#56
Ethyl methacrylate
Concen: 2.375 ug/l
RT: 10.763 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 47.8 71.6#
39 0.0 27.3 40.9#

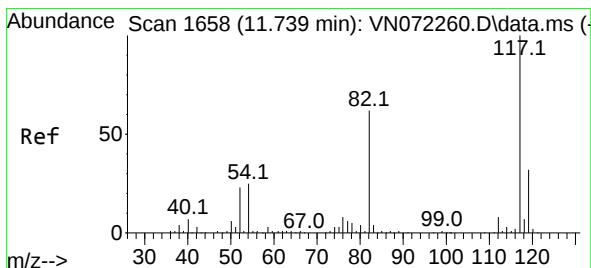
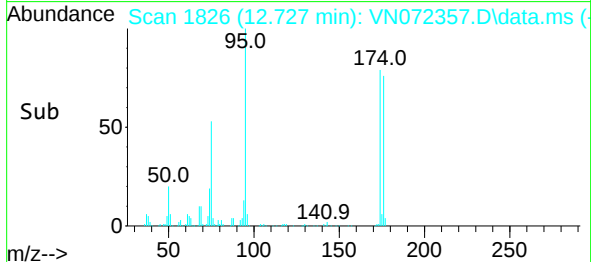
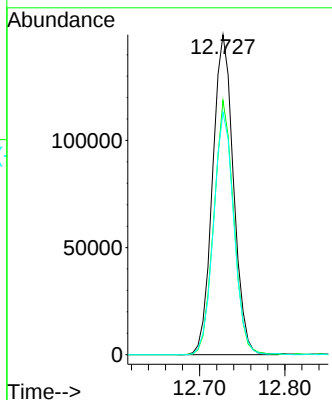
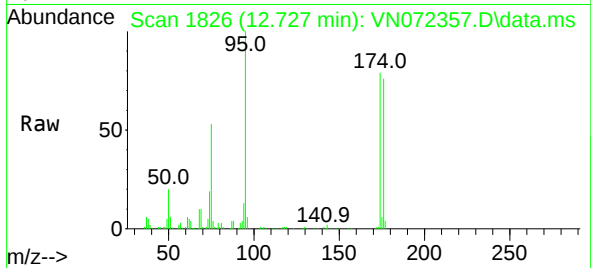




#62
4-Bromofluorobenzene
Concen: 65.503 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

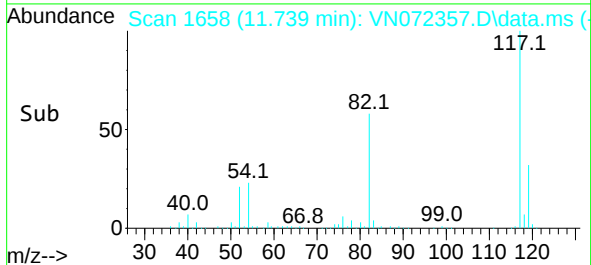
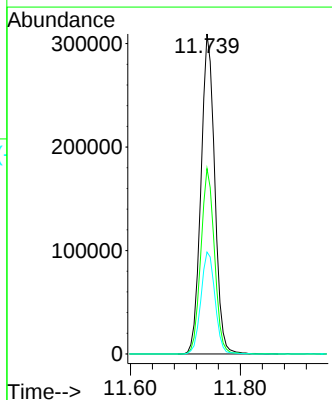
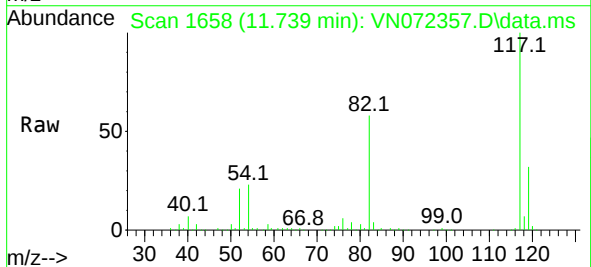
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

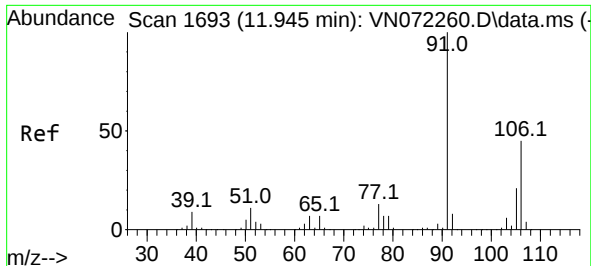
Tgt Ion: 95 Resp: 254552
Ion Ratio Lower Upper
95 100
174 75.4 0.0 167.6
176 73.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 117 Resp: 537232
Ion Ratio Lower Upper
117 100
82 57.9 44.2 66.2
119 31.8 25.4 38.0

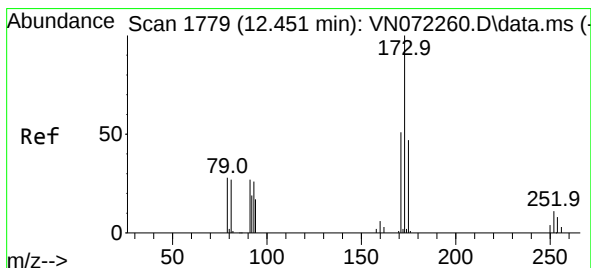
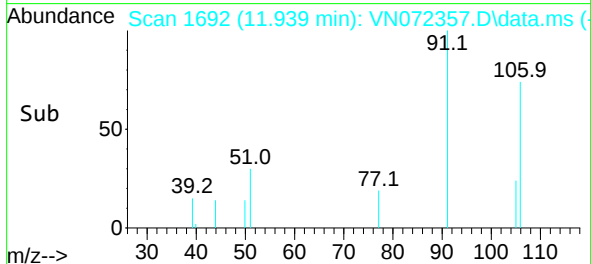
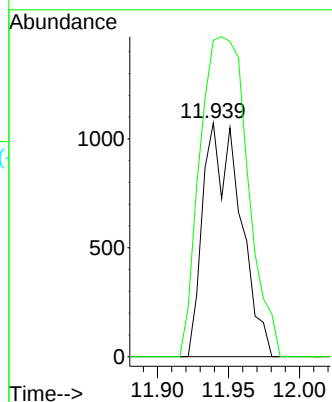
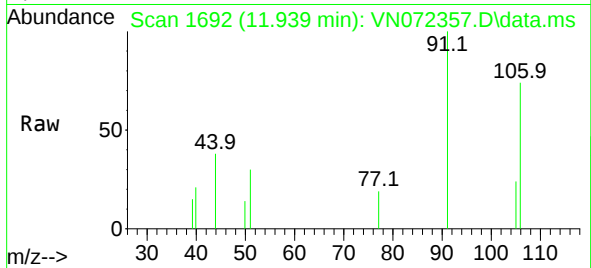




#68
m/p-Xylenes
Concen: 0.278 ug/l
RT: 11.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

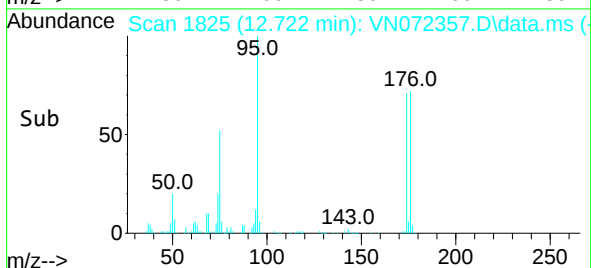
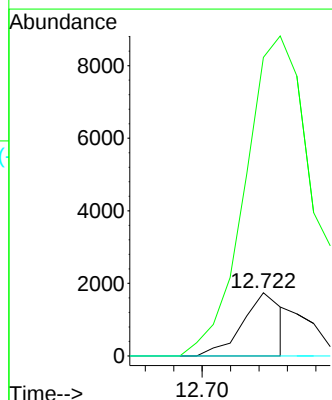
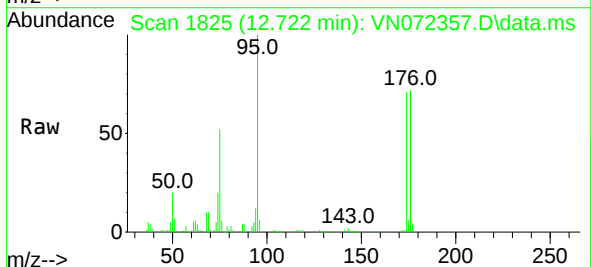
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

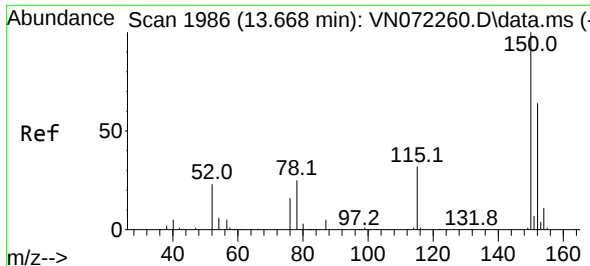
Tgt Ion:106 Resp: 1953
Ion Ratio Lower Upper
106 100
91 176.1 158.9 238.3



#71
Bromoform
Concen: 0.553 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion:173 Resp: 1682
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

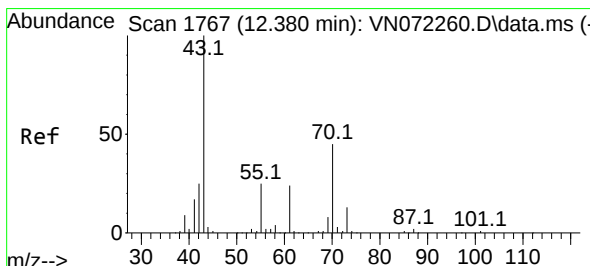
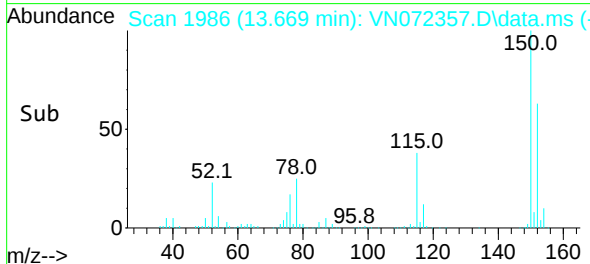
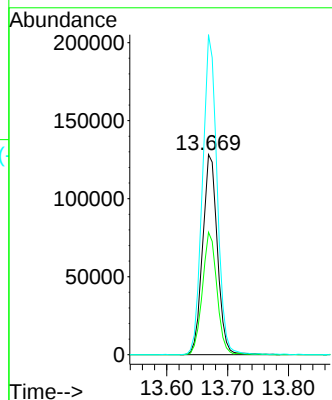
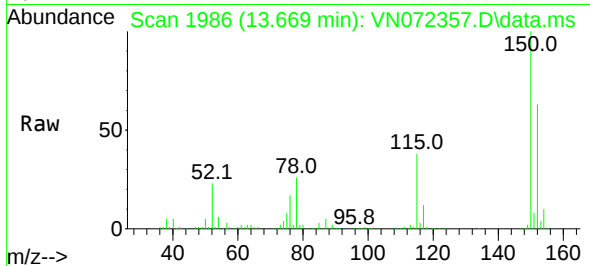




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

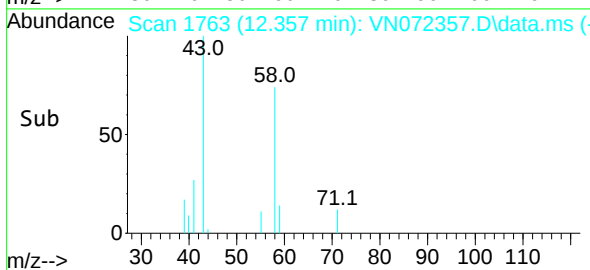
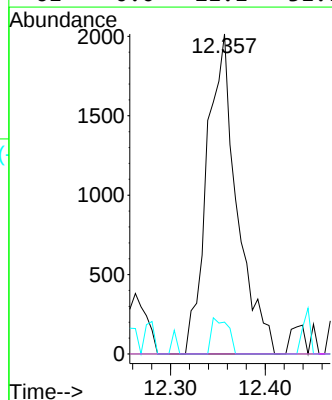
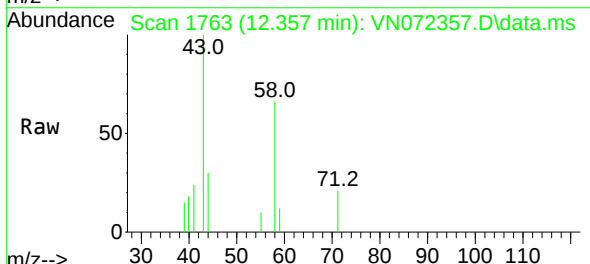
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

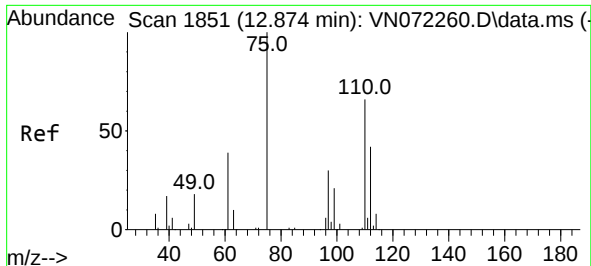
Tgt Ion:152 Resp: 215858
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 157.9 0.0 356.2



#74
N-ethyl acetate
Concen: 0.621 ug/l
RT: 12.357 min Scan# 1763
Delta R.T. -0.023 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 43 Resp: 4438
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 6.3 21.1 31.7#
61 0.0 21.1 31.7#

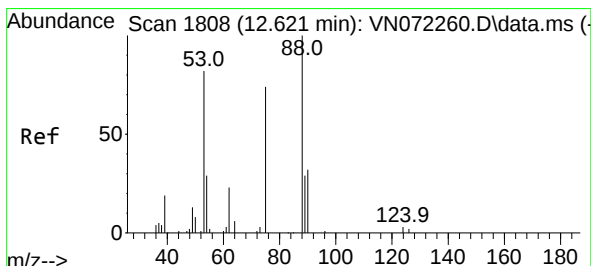
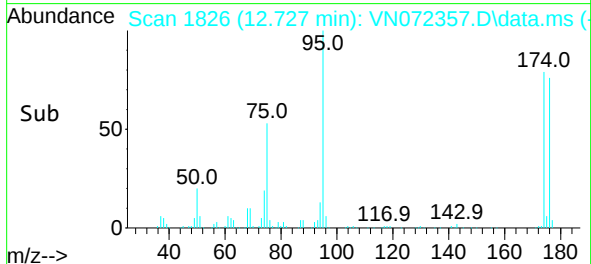
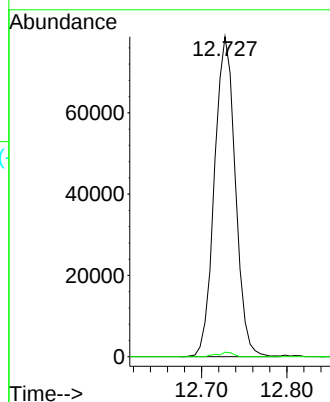
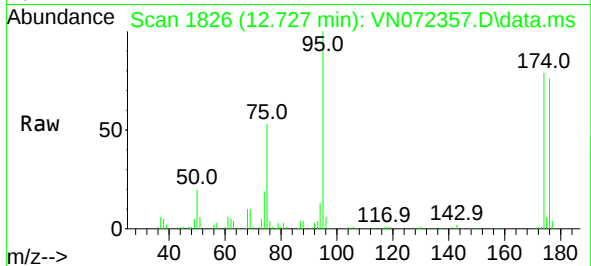




#76
1,2,3-Trichloropropane
Concen: 27.633 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

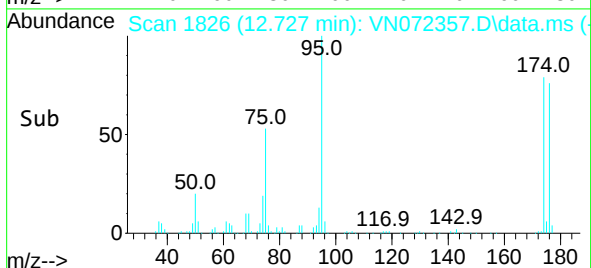
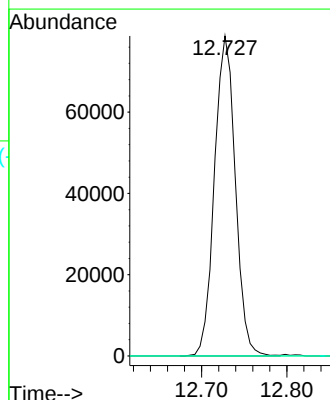
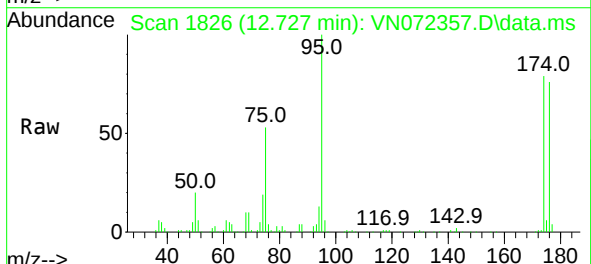
Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

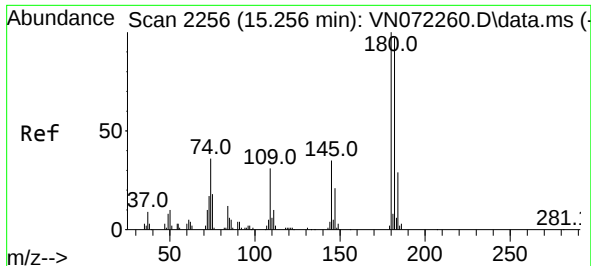
Tgt Ion: 75 Resp: 134020
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.789 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion: 75 Resp: 134020
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

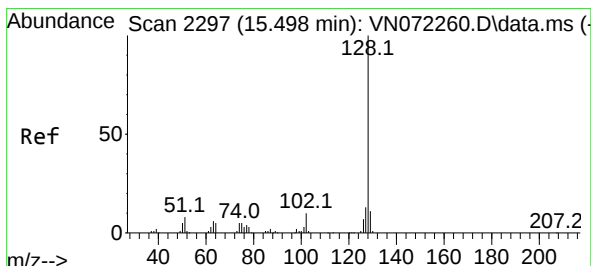
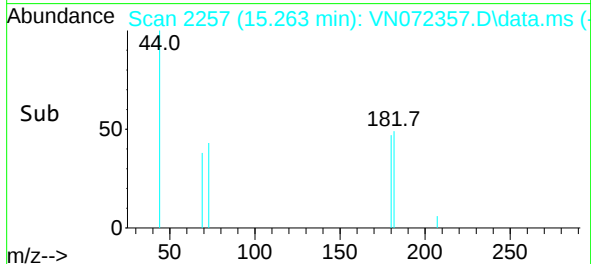
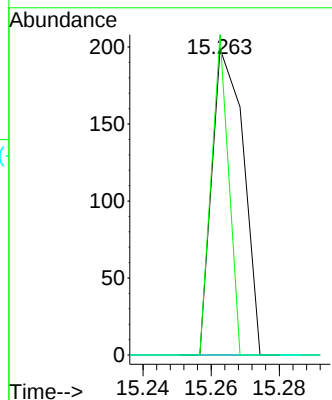
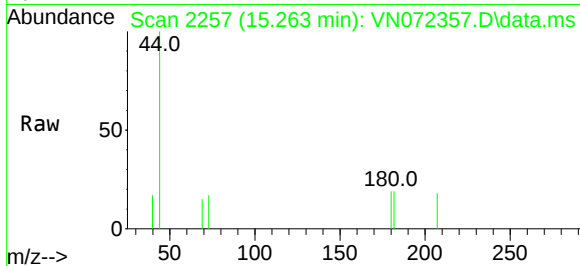




#93
1,2,4-Trichlorobenzene
Concen: 2.456 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
TRE-1281

Tgt Ion	Ratio	Lower	Upper
180	100		
182	57.5	47.5	142.5
145	0.0	14.5	43.5#



#95
Naphthalene
Concen: 4.564 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072357.D
Acq: 06 May 2022 16:11

Tgt Ion	Ratio	Lower	Upper
128	100		
127	5.0	10.3	15.5#
129	3.8	8.6	13.0#

