

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050622\
 Data File : VN072353.D
 Acq On : 06 May 2022 14:34
 Operator : JC\MD
 Sample : N2725-04 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1277

Quant Time: May 09 03:12:50 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

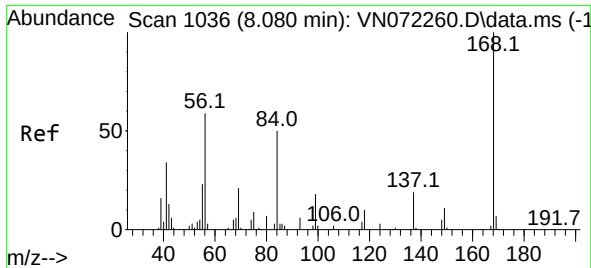
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	257048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	485636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	554688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	218426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	194651	49.325	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.660%		
35) Dibromofluoromethane	8.016	113	151316	48.681	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.360%		
50) Toluene-d8	10.439	98	639873	52.389	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.780%		
62) 4-Bromofluorobenzene	12.727	95	258969	63.879	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	127.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1050	Below Cal		96
5) Bromomethane	2.810	94	634	Below Cal	#	56
6) Chloroethane	2.969	64	199	Below Cal	#	42
11) Tert butyl alcohol	5.310	59	9871	15.221	ug/l #	72
14) Allyl chloride	4.587	41	15884	3.116	ug/l #	69
16) Acetone	4.287	43	475861	279.689	ug/l	95
17) Carbon Disulfide	4.522	76	758	0.493	ug/l #	75
18) Methyl Acetate	4.851	43	1298	0.233	ug/l #	58
20) Methylene Chloride	5.087	84	1657	0.508	ug/l #	84
25) 2-Butanone	7.334	43	42299	15.611	ug/l	89
31) Cyclohexane	8.075	56	6077	1.153	ug/l #	31
36) 1,1-Dichloropropene	8.081	75	21077	4.659	ug/l #	43
37) Ethyl Acetate	7.410	43	23158	3.854	ug/l #	93
38) Carbon Tetrachloride	8.081	117	28355	5.851	ug/l #	17
41) Methacrylonitrile	7.663	41	1320	0.434	ug/l #	31
43) Isopropyl Acetate	8.551	43	456	0.849	ug/l #	53
51) 4-Methyl-2-Pentanone	10.322	43	9663	1.704	ug/l	89
52) Toluene	10.498	92	12576	1.499	ug/l	98
56) Ethyl methacrylate	10.692	69	406	2.428	ug/l #	1
59) 2-Hexanone	11.086	43	1869	0.468	ug/l	74
68) m/p-Xylenes	11.945	106	2105	0.290	ug/l	81
71) Bromoform	12.721	173	1535	0.489	ug/l #	28
74) N-amyl acetate	12.345	43	4032	0.558	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.721	83	128	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	139930	28.523	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	139930	74.074	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.257	180	971	2.694	ug/l #	71
95) Naphthalene	15.509	128	5817	4.769	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	751	2.885	ug/l	89

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

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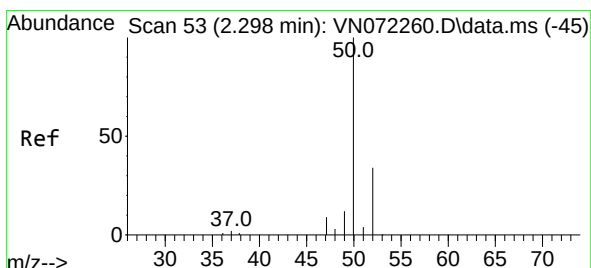
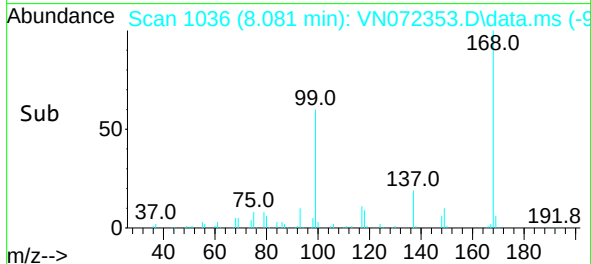
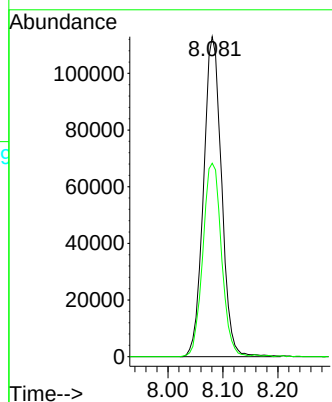
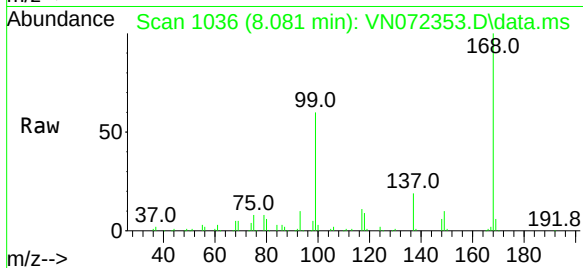




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

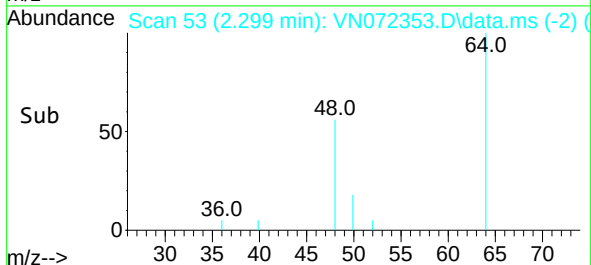
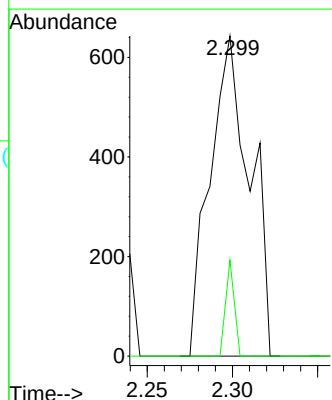
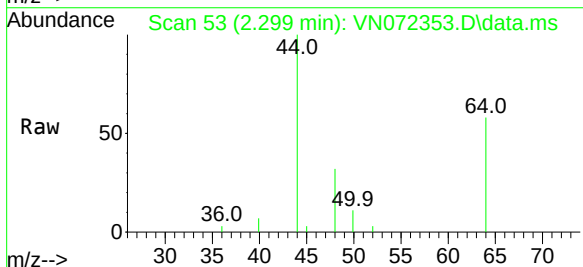
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

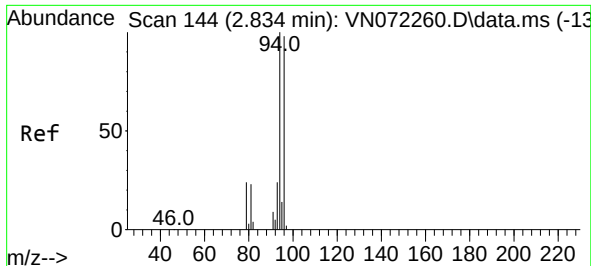
Tgt Ion:168 Resp: 257048
Ion Ratio Lower Upper
168 100
99 60.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 50 Resp: 1050
Ion Ratio Lower Upper
50 100
52 30.0 25.7 38.5

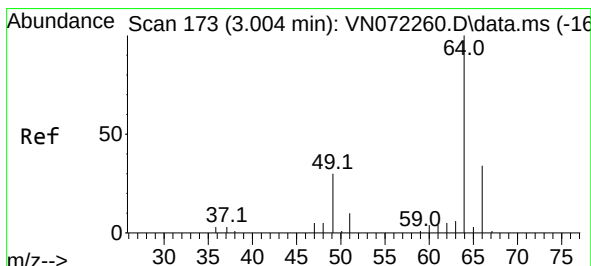
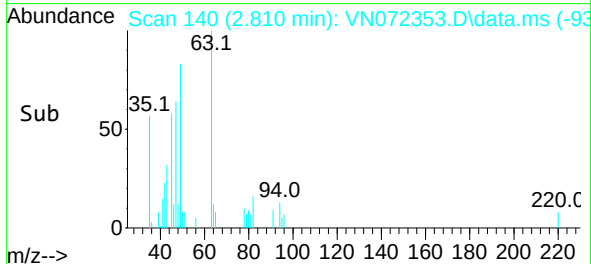
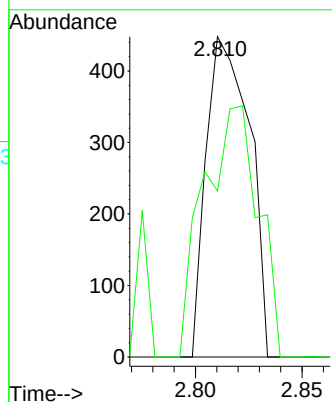
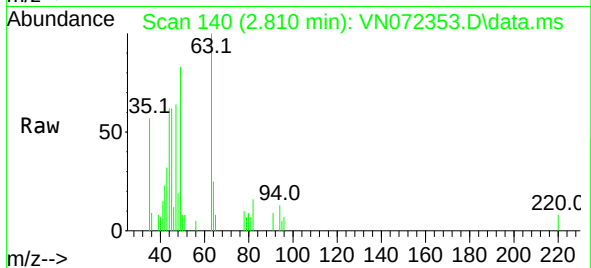




#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 144
Delta R.T. -0.024 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

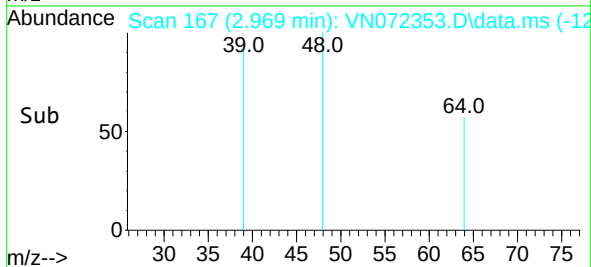
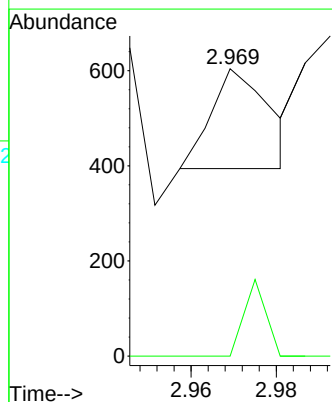
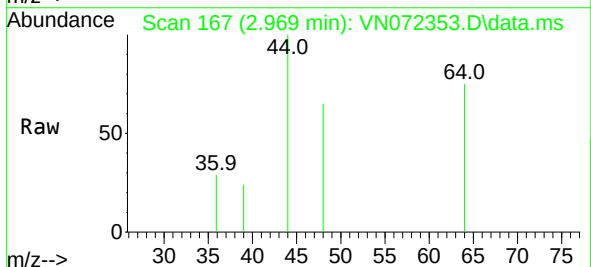
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

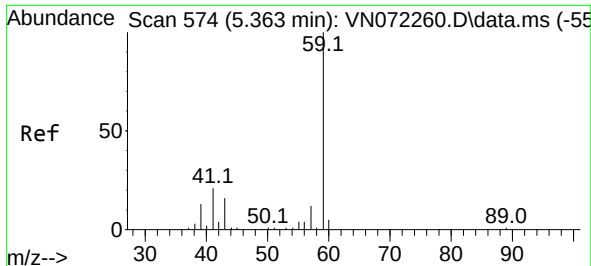
Tgt Ion: 94 Resp: 634
Ion Ratio Lower Upper
94 100
96 51.8 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 167
Delta R.T. -0.036 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 64 Resp: 199
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: 15.221 ug/l

RT: 5.310 min Scan# 50

Delta R.T. -0.053 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

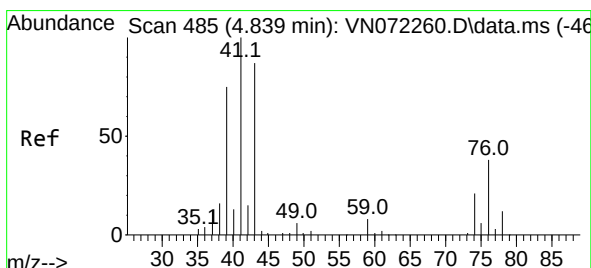
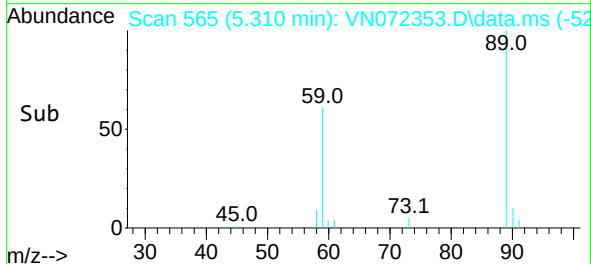
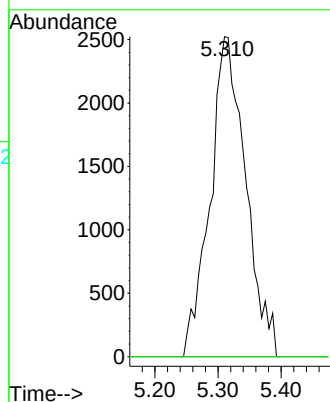
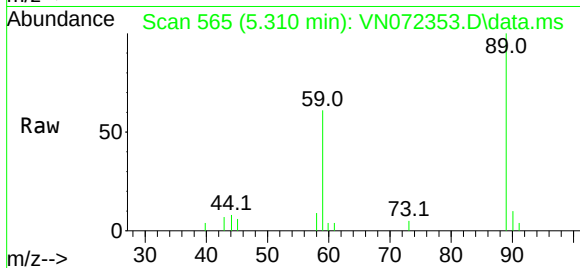
TRE-1277

Tgt Ion: 59 Resp: 9871

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 3.116 ug/l

RT: 4.587 min Scan# 442

Delta R.T. -0.253 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

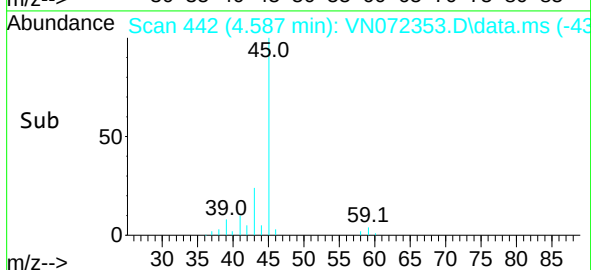
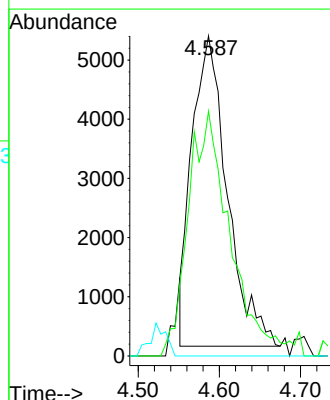
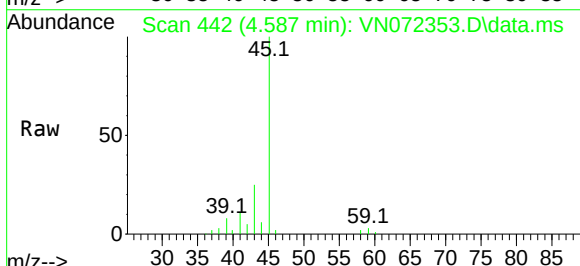
Tgt Ion: 41 Resp: 15884

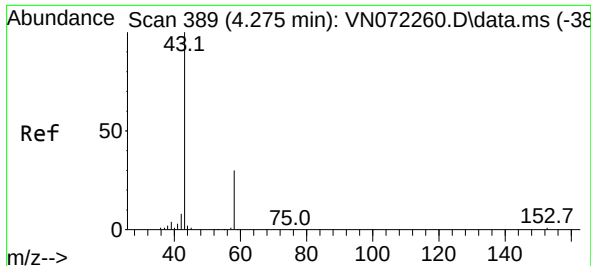
Ion Ratio Lower Upper

41 100

39 77.1 53.2 79.8

76 0.0 29.9 44.9#

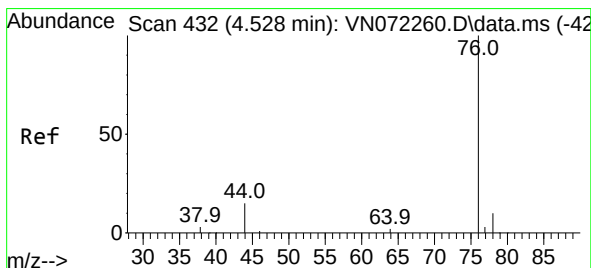
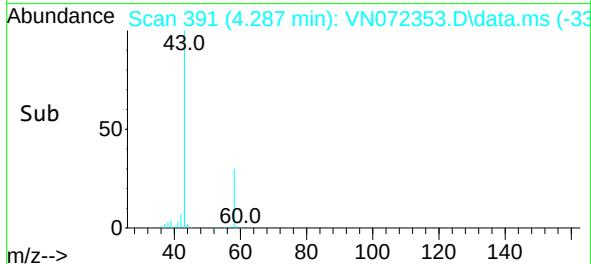
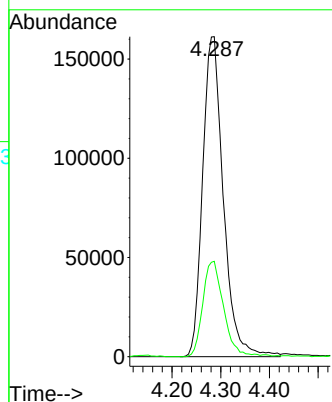
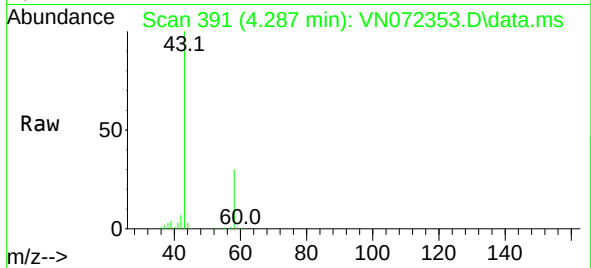




#16
Acetone
Concen: 279.689 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

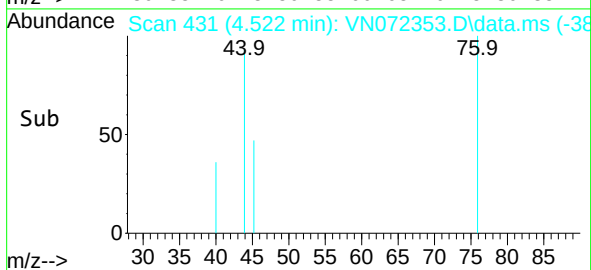
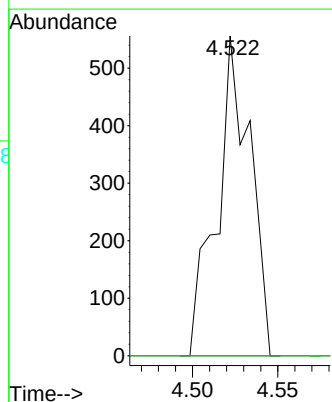
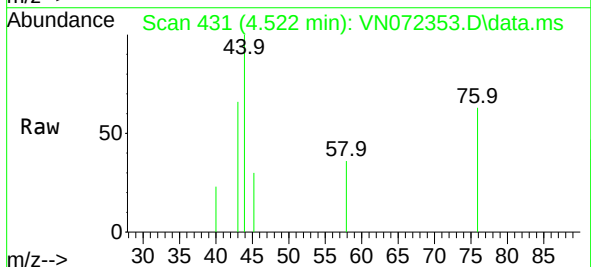
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

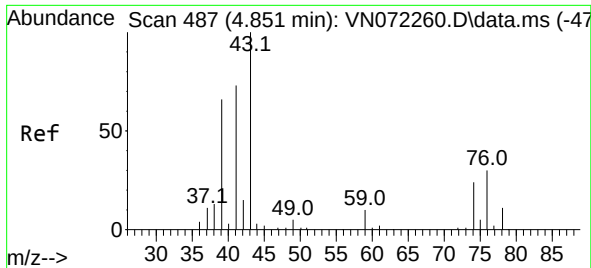
Tgt Ion: 43 Resp: 475861
Ion Ratio Lower Upper
43 100
58 29.8 26.0 39.0



#17
Carbon Disulfide
Concen: 0.493 ug/l
RT: 4.522 min Scan# 431
Delta R.T. -0.012 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 76 Resp: 758
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

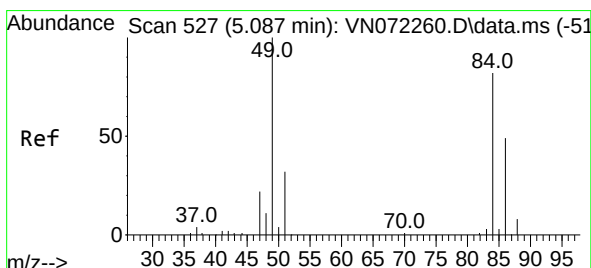
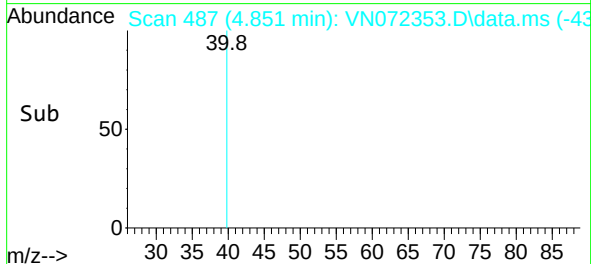
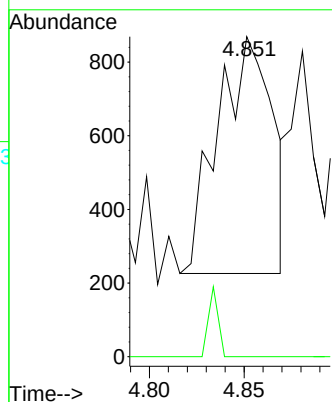
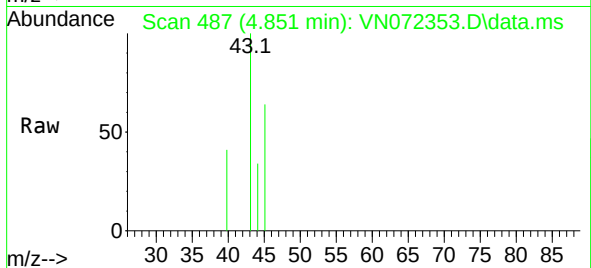




#18
Methyl Acetate
Concen: 0.233 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

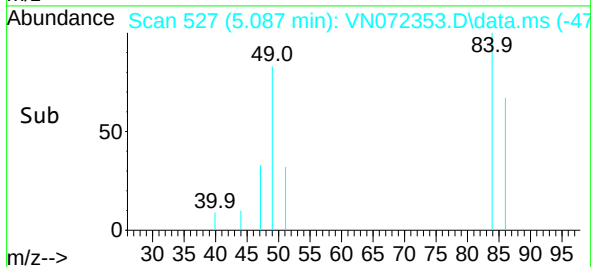
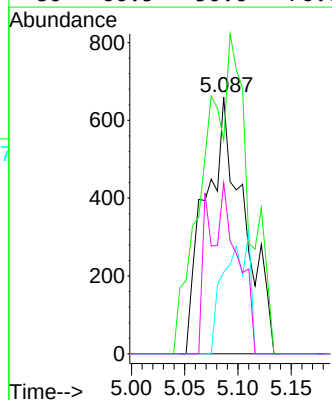
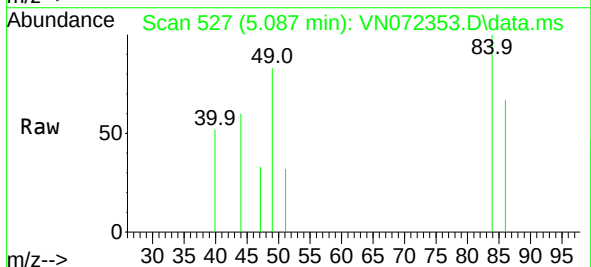
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ClientSampleId :
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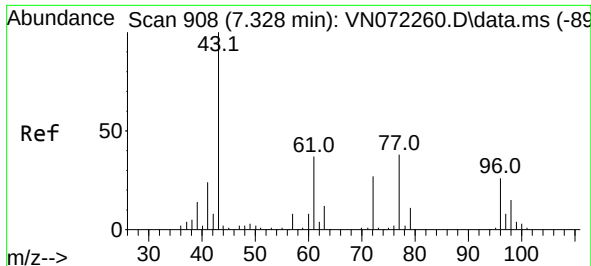
Tgt Ion: 43 Resp: 1298
Ion Ratio Lower Upper
43 100
74 5.2 21.6 32.4#



#20
Methylene Chloride
Concen: 0.508 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 84 Resp: 1657
Ion Ratio Lower Upper
84 100
49 83.2 88.3 132.5#
51 31.8 28.2 42.2
86 66.5 50.6 76.0

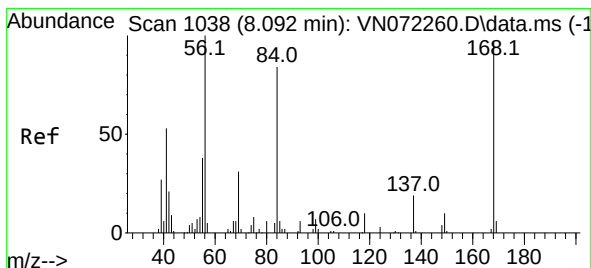
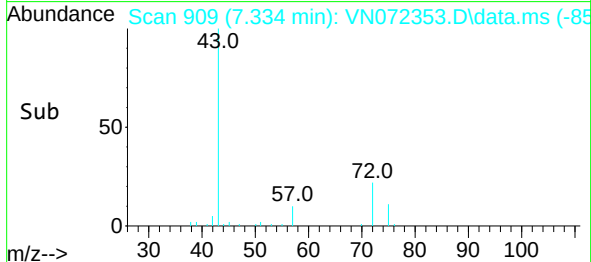
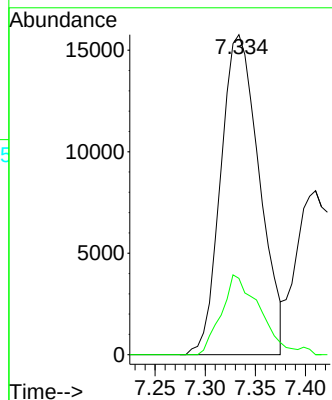
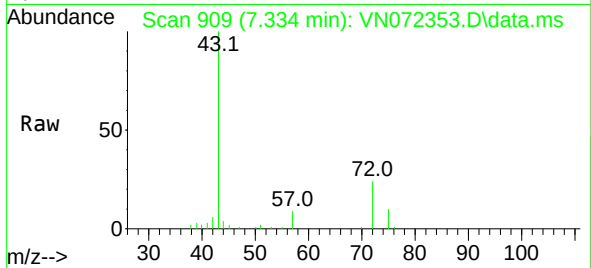




#25
2-Butanone
Concen: 15.611 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

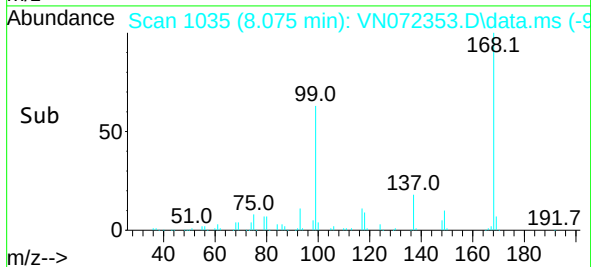
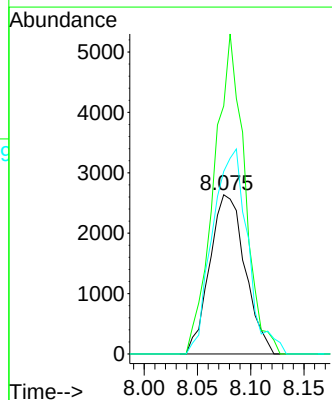
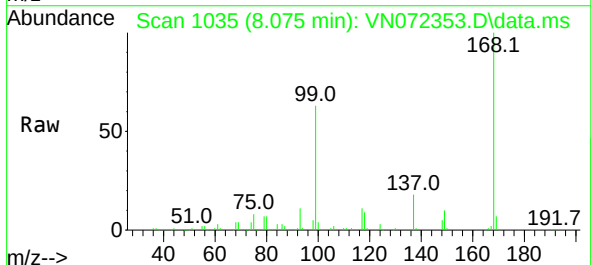
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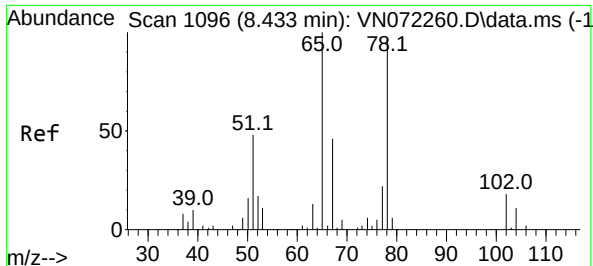
Tgt Ion: 43 Resp: 42299
Ion Ratio Lower Upper
43 100
72 23.9 23.7 35.5



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 56 Resp: 6077
Ion Ratio Lower Upper
56 100
69 155.8 27.8 41.8#
84 114.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.325 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

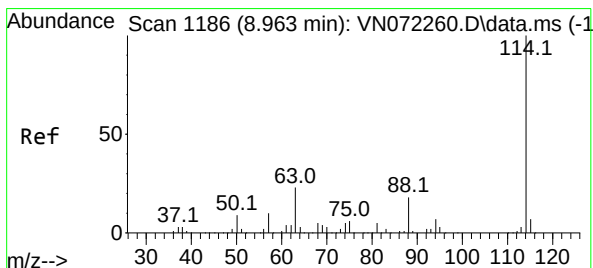
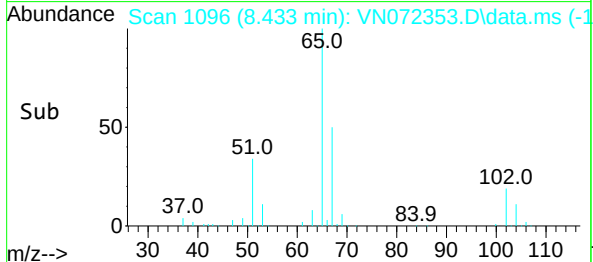
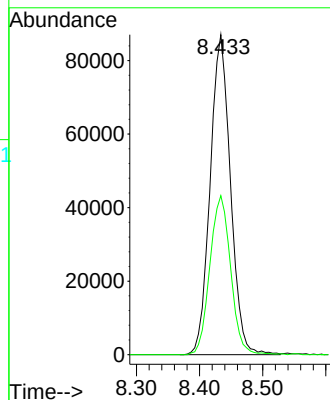
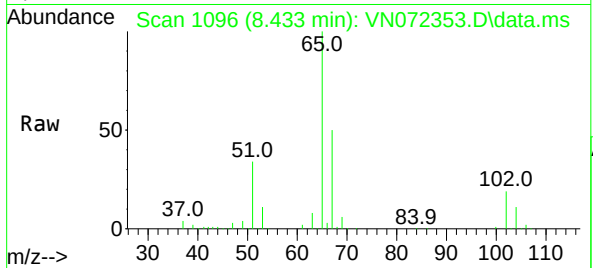
TRE-1277

Tgt Ion: 65 Resp: 194651

Ion Ratio Lower Upper

65 100

67 50.8 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: VN072353.D

Acq: 06 May 2022 14:34

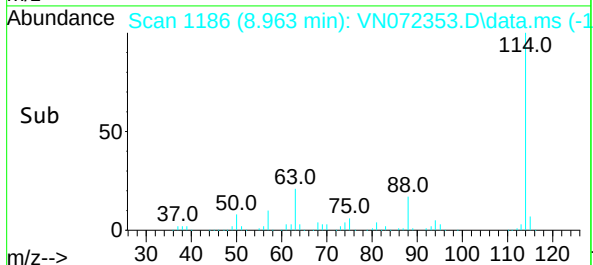
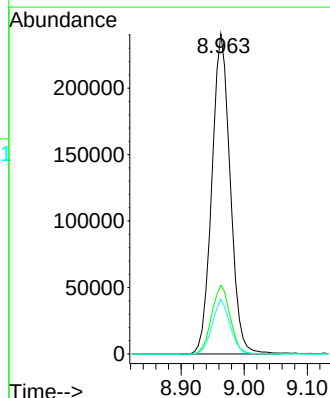
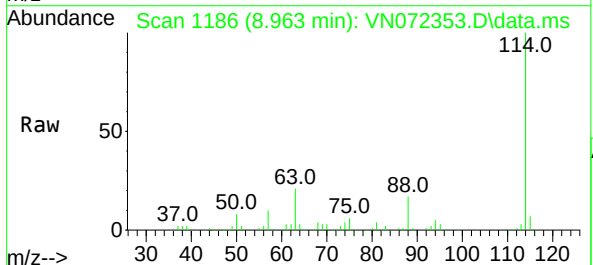
Tgt Ion: 114 Resp: 485636

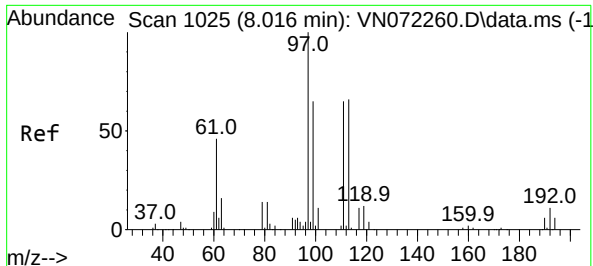
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

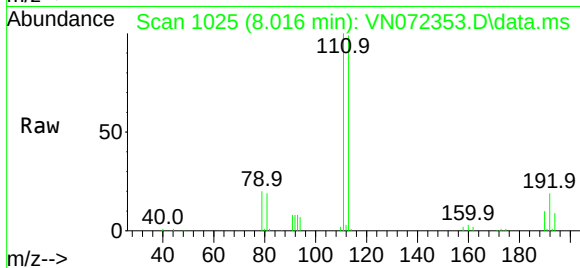
88 17.1 0.0 32.6



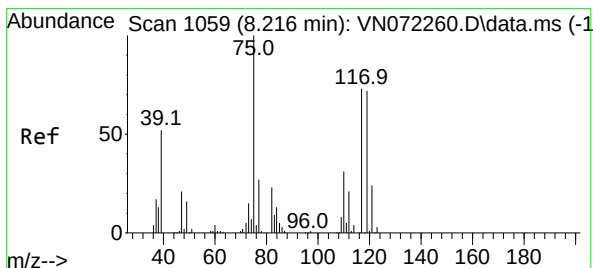
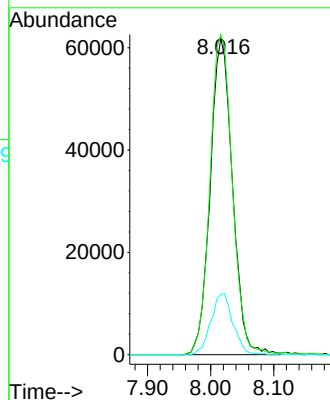
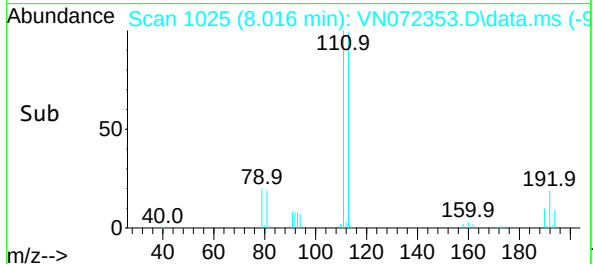


#35
Dibromofluoromethane
Concen: 48.681 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

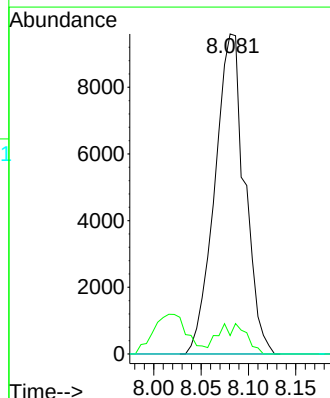
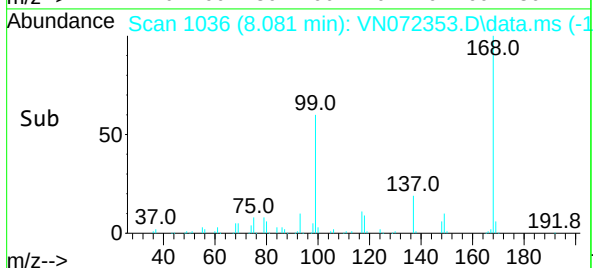
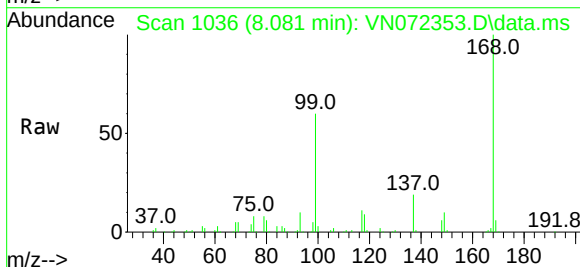


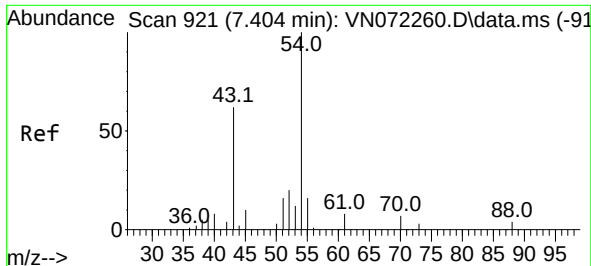
Tgt Ion:113 Resp: 151316
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 19.2 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.659 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 75 Resp: 21077
Ion Ratio Lower Upper
75 100
110 3.0 18.3 54.8#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 3.854 ug/l

RT: 7.410 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

TRE-1277

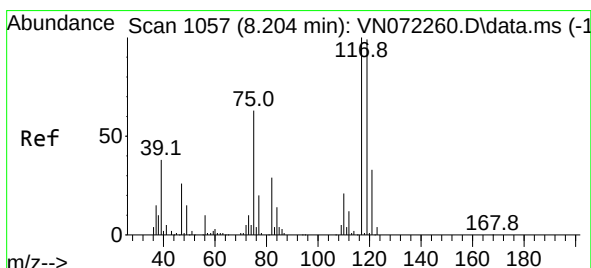
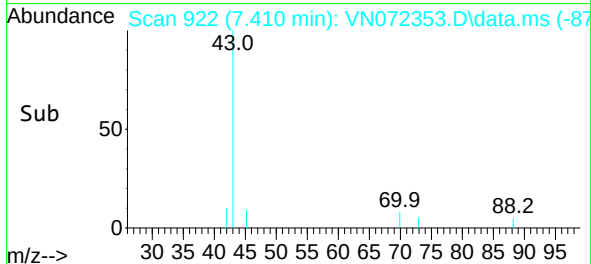
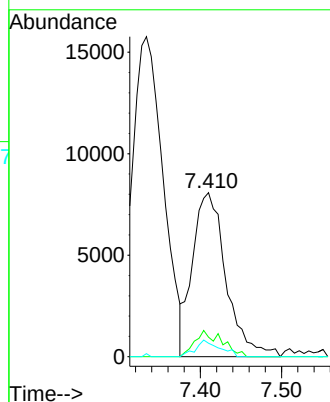
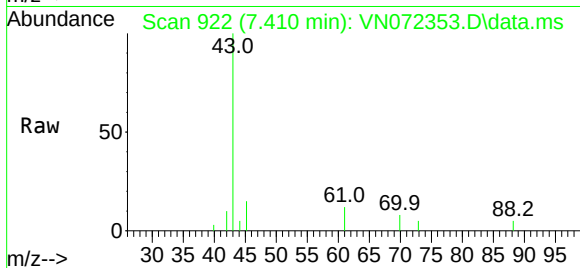
Tgt Ion: 43 Resp: 23158

Ion Ratio Lower Upper

43 100

61 13.0 11.8 17.6

70 7.2 9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

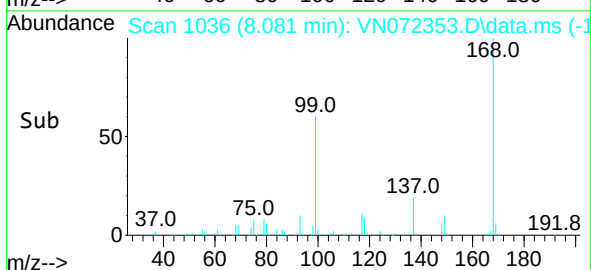
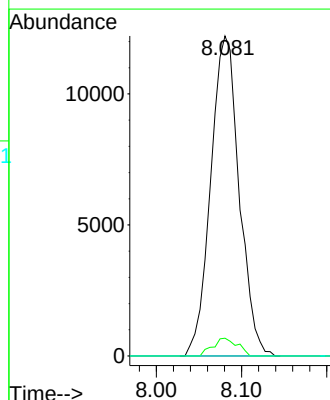
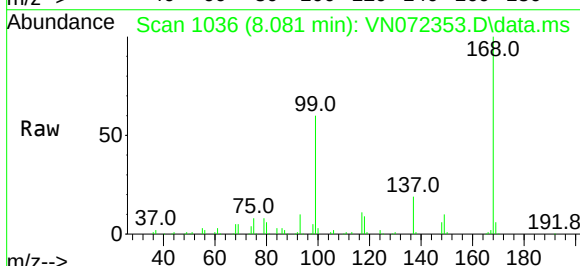
Tgt Ion: 117 Resp: 28355

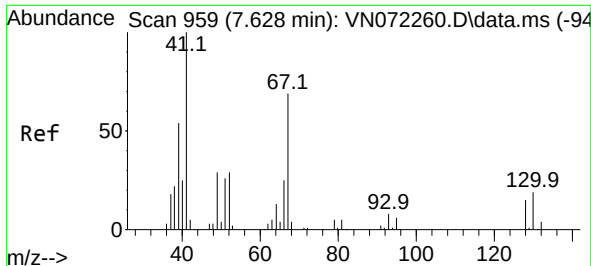
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#

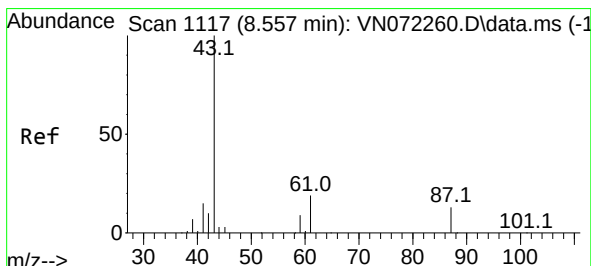
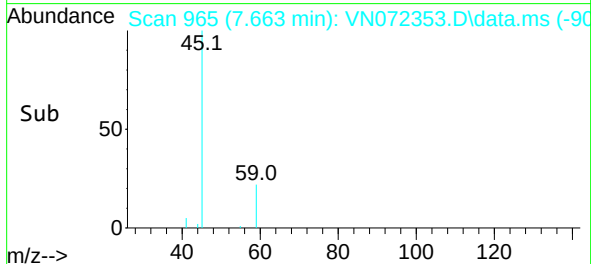
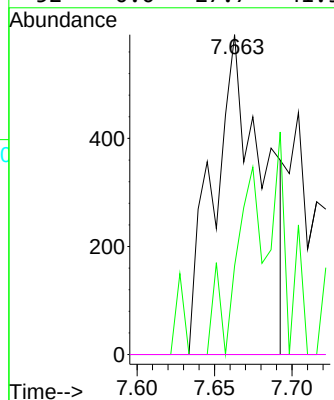
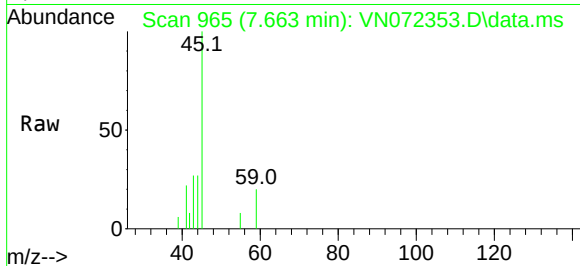




#41
Methacrylonitrile
Concen: 0.434 ug/l
RT: 7.663 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

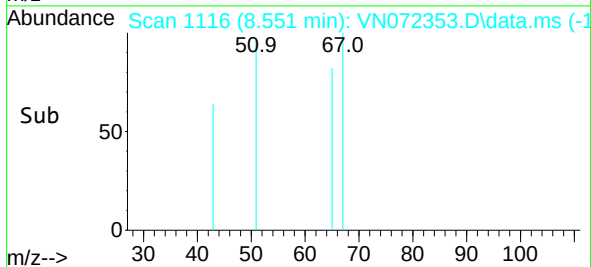
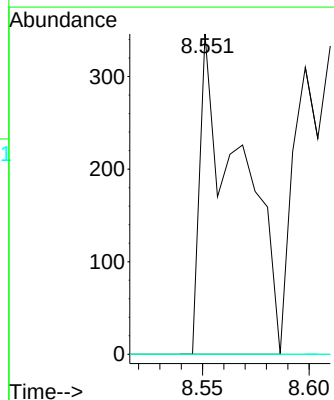
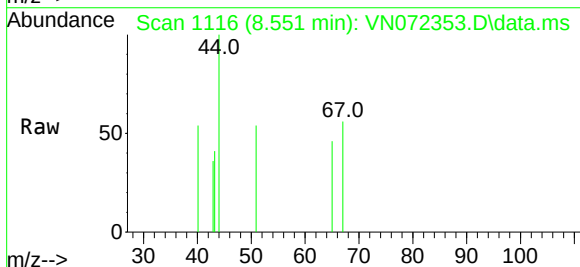
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

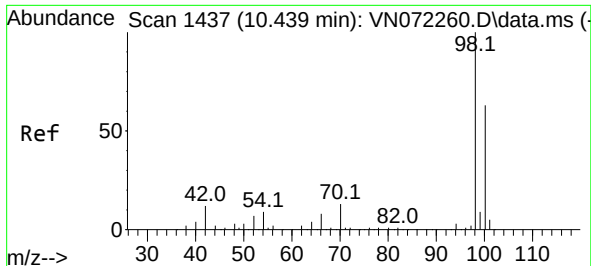
Tgt Ion:	41	Resp:	1320
Ion	Ratio	Lower	Upper
41	100		
39	35.2	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 0.849 ug/l
RT: 8.551 min Scan# 1116
Delta R.T. -0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion:	43	Resp:	456
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

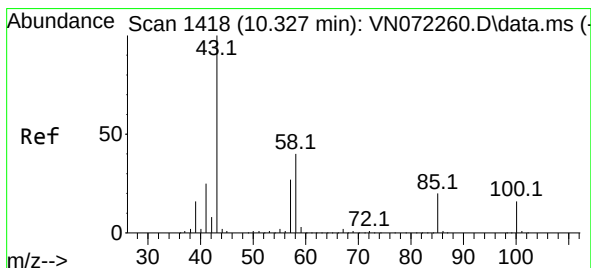
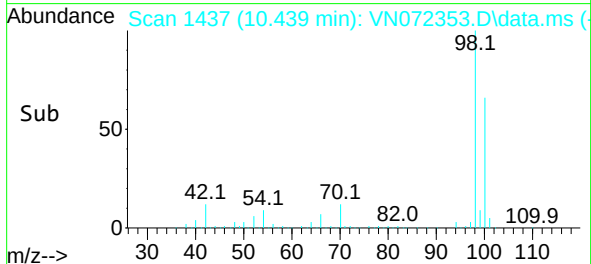
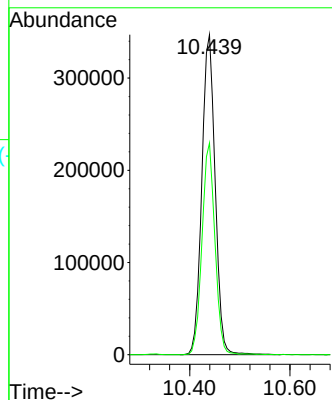
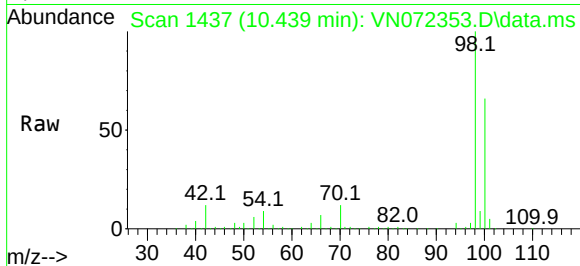




#50
Toluene-d8
Concen: 52.389 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

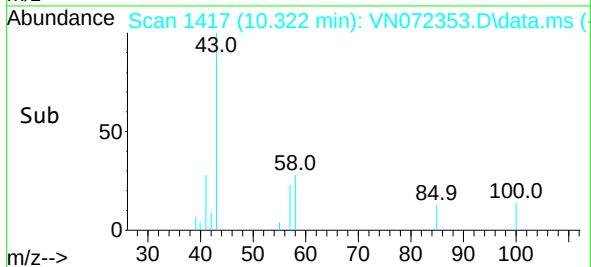
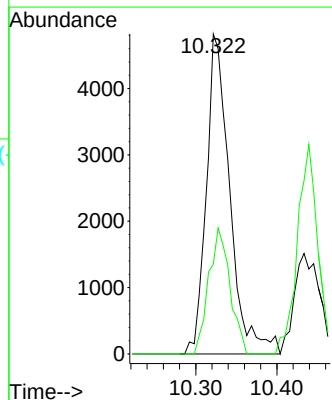
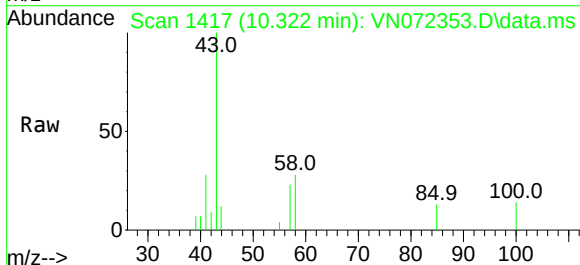
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

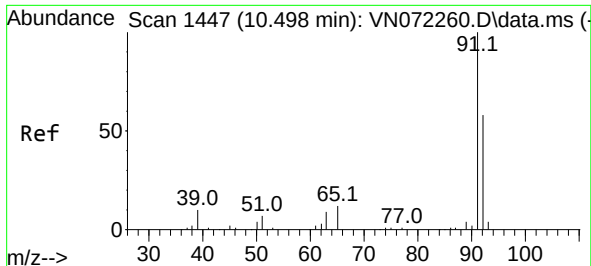
Tgt Ion: 98 Resp: 639873
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.704 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 43 Resp: 9663
Ion Ratio Lower Upper
43 100
58 35.7 34.1 51.1

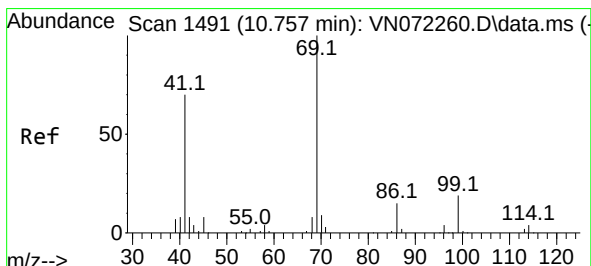
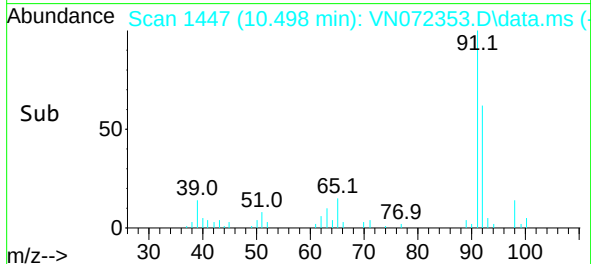
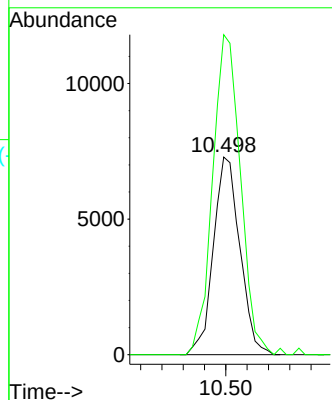
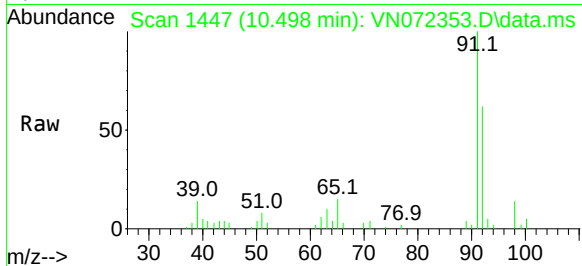




#52
Toluene
Concen: 1.499 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

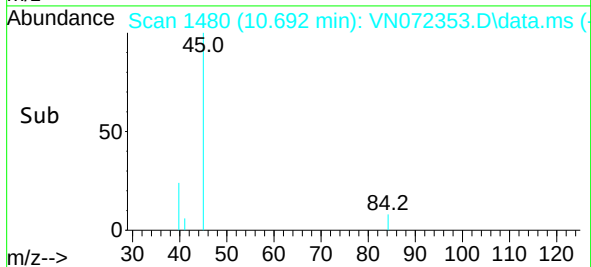
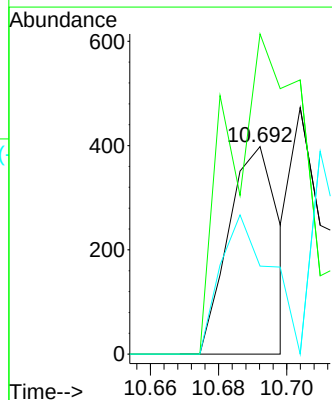
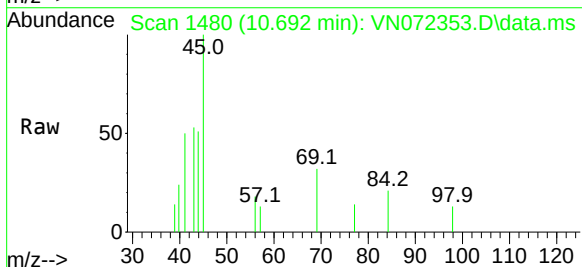
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

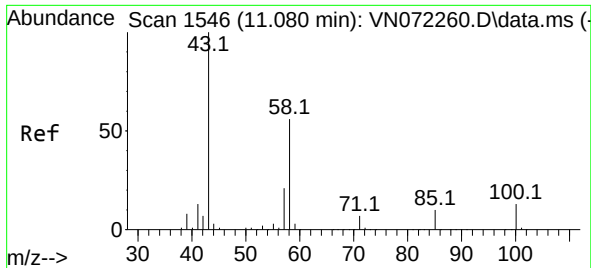
Tgt Ion: 92 Resp: 12576
Ion Ratio Lower Upper
92 100
91 170.7 138.6 207.8



#56
Ethyl methacrylate
Concen: 2.428 ug/l
RT: 10.692 min Scan# 1480
Delta R.T. -0.065 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 69 Resp: 406
Ion Ratio Lower Upper
69 100
41 240.6 47.8 71.6#
39 67.2 27.3 40.9#

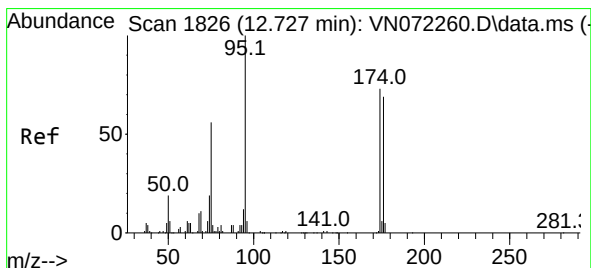
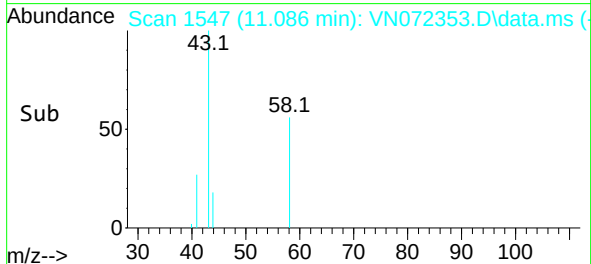
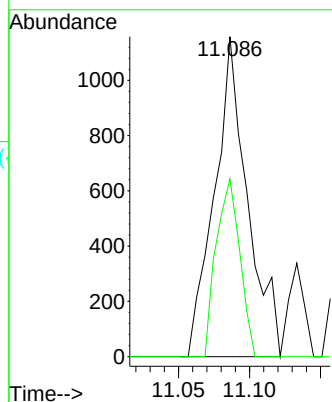
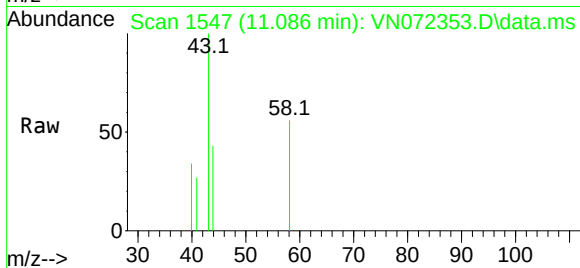




#59
2-Hexanone
Concen: 0.468 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

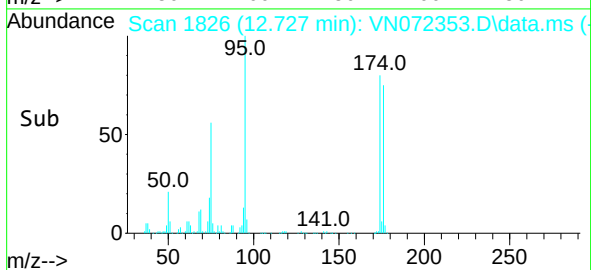
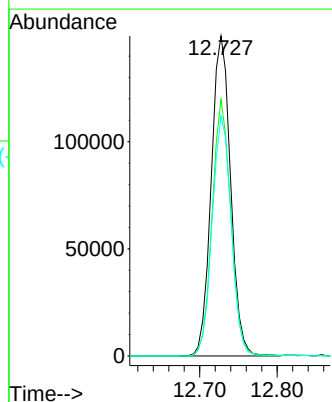
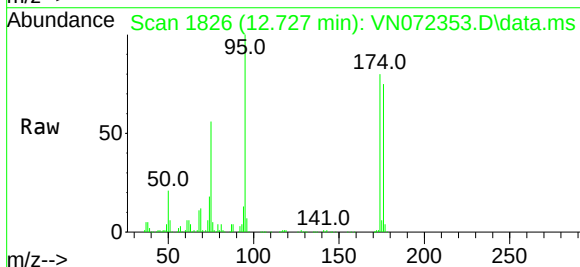
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

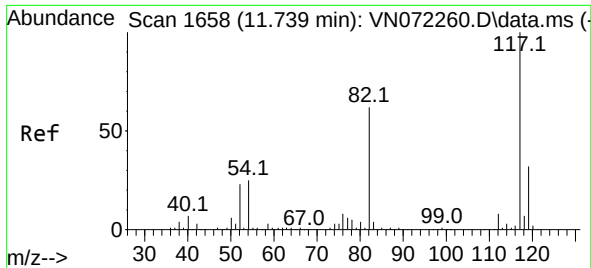
Tgt Ion: 43 Resp: 1869
Ion Ratio Lower Upper
43 100
58 39.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 63.879 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 95 Resp: 258969
Ion Ratio Lower Upper
95 100
174 77.4 0.0 167.6
176 73.9 0.0 163.4

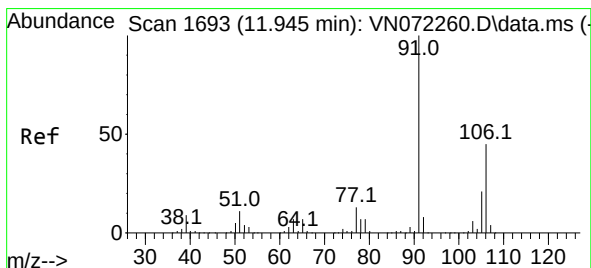
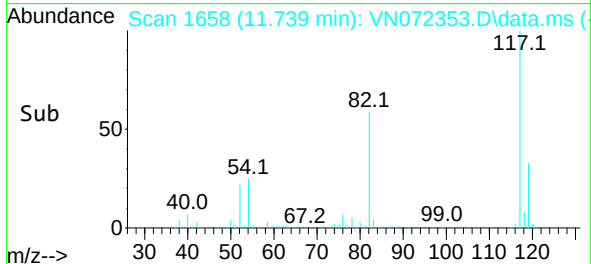
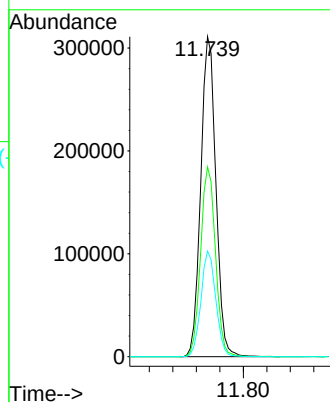
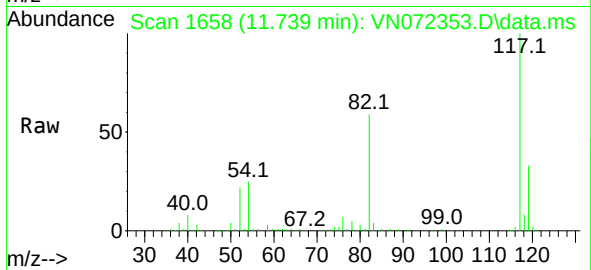




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

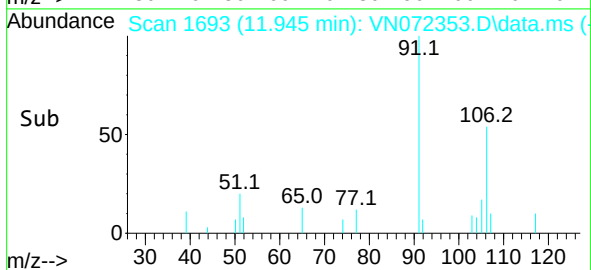
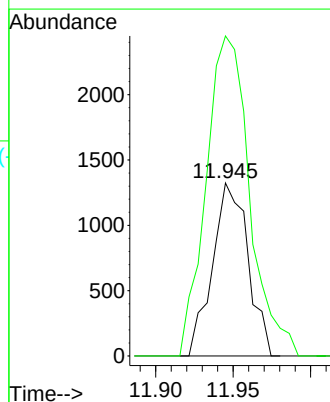
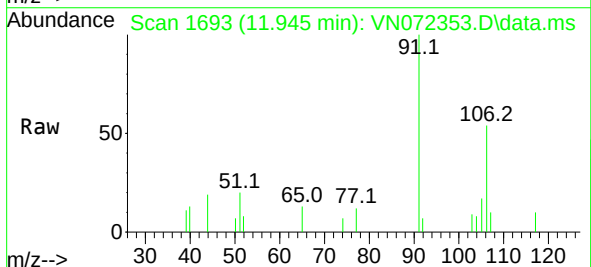
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

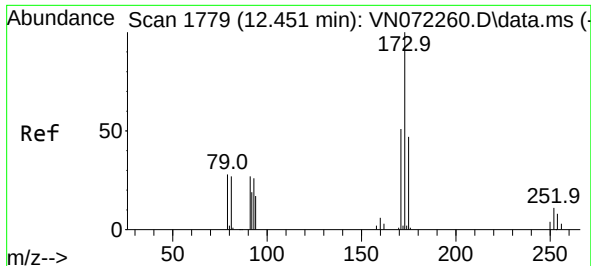
Tgt Ion:117 Resp: 554688
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 33.0 25.4 38.0



#68
m/p-Xylenes
Concen: 0.290 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion:106 Resp: 2105
Ion Ratio Lower Upper
106 100
91 227.4 158.9 238.3

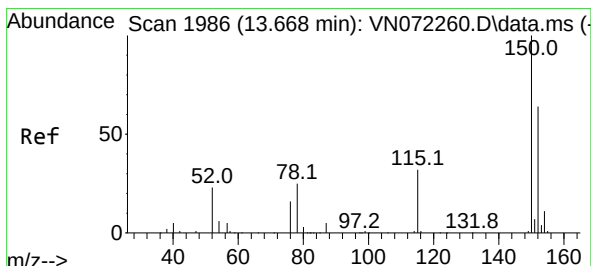
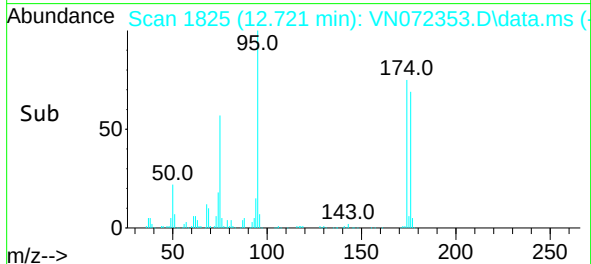
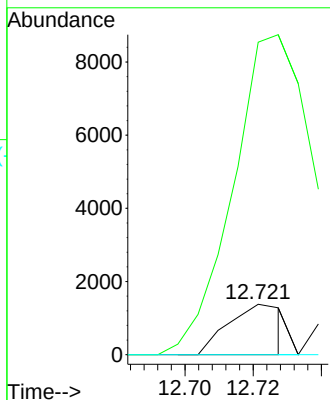
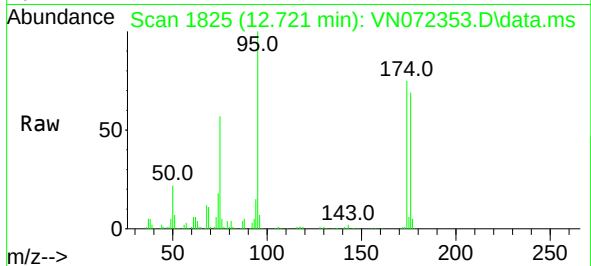




#71
Bromoform
Concen: 0.489 ug/l
RT: 12.721 min Scan# 1779
Delta R.T. 0.270 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

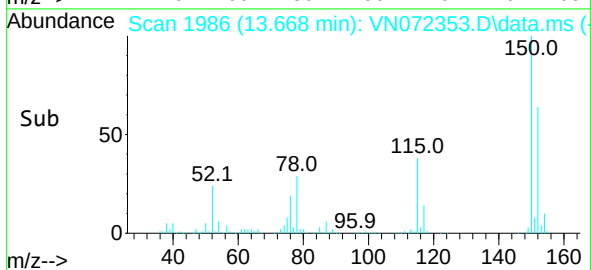
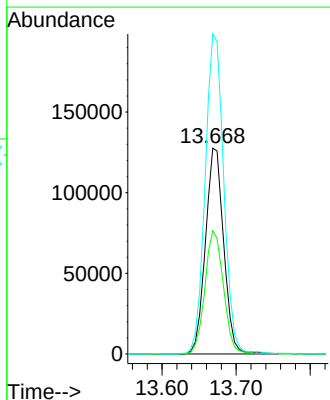
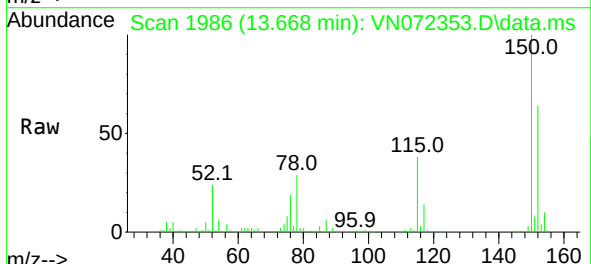
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

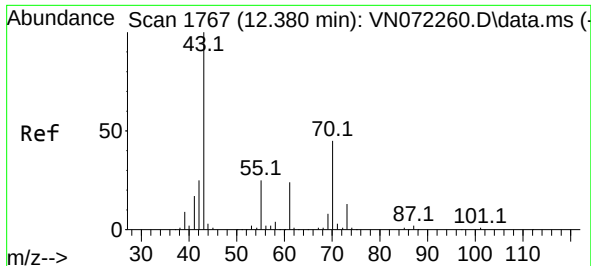
Tgt Ion:173 Resp: 1535
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion:152 Resp: 218426
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 158.5 0.0 356.2

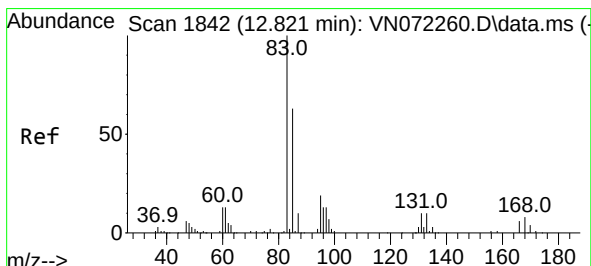
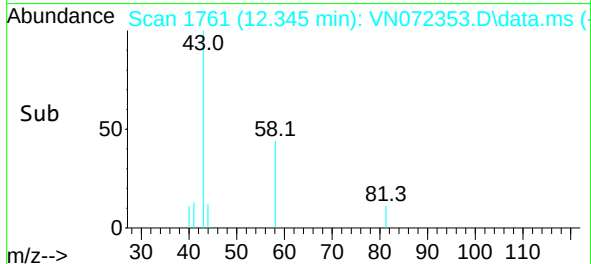
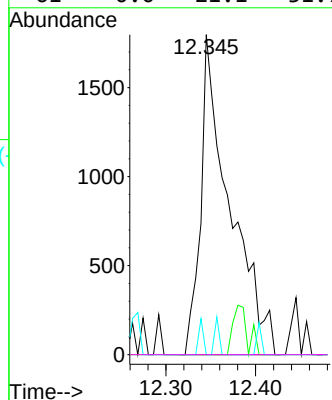
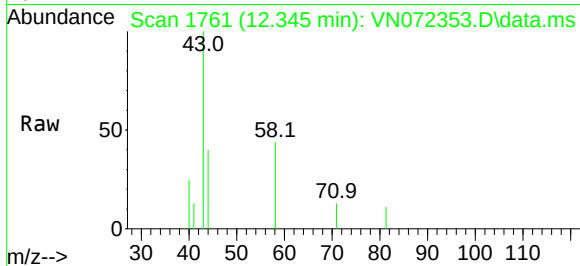




#74
N-amy1 acetate
Concen: 0.558 ug/l
RT: 12.345 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

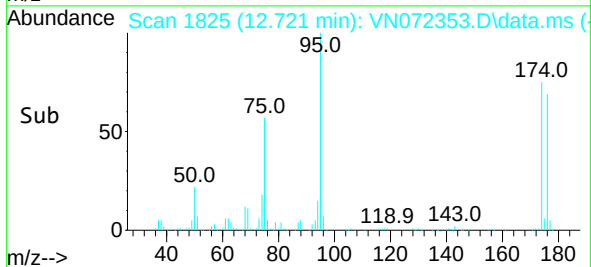
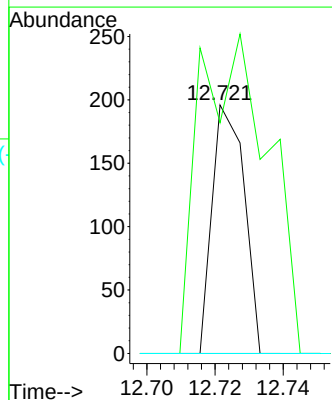
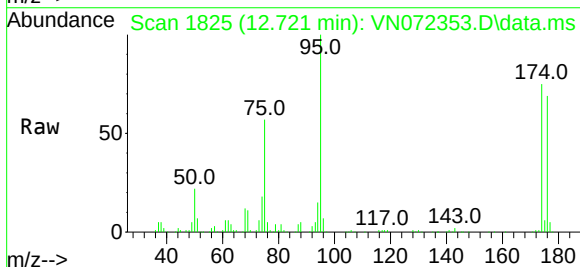
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

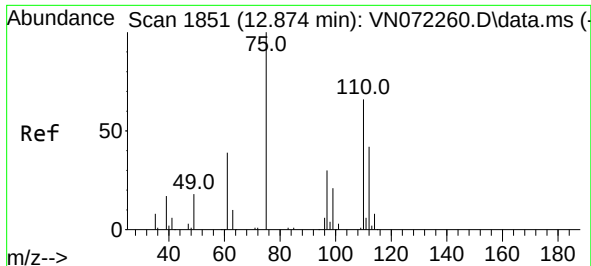
Tgt Ion:	43	Resp:	4032
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	1.8	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.721 min Scan# 1825
Delta R.T. -0.101 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion:	83	Resp:	128
Ion	Ratio	Lower	Upper
83	100		
131	275.0	5.3	15.9#
85	0.0	32.3	96.9#

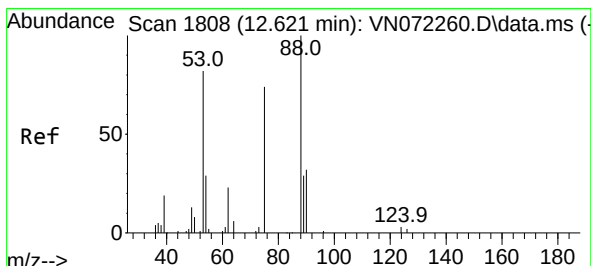
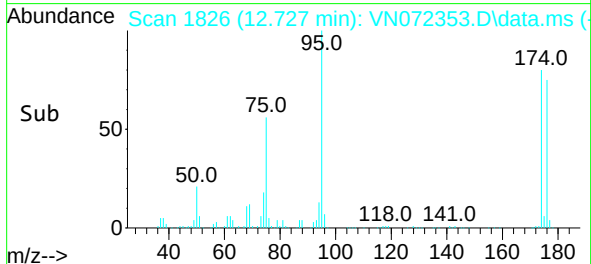
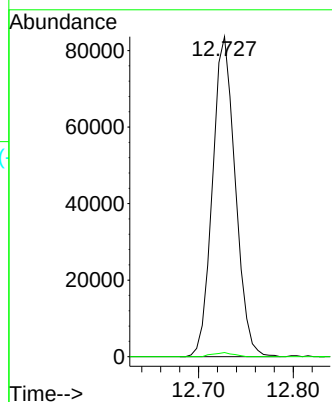
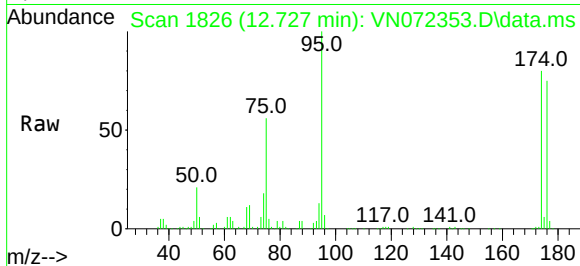




#76
1,2,3-Trichloropropane
Concen: 28.523 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

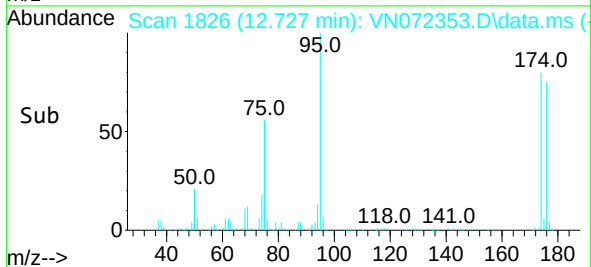
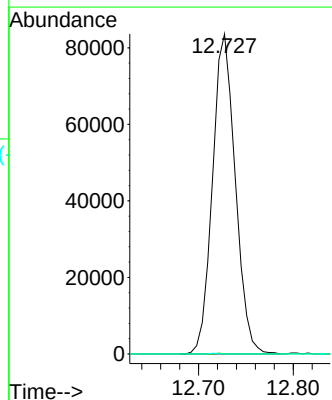
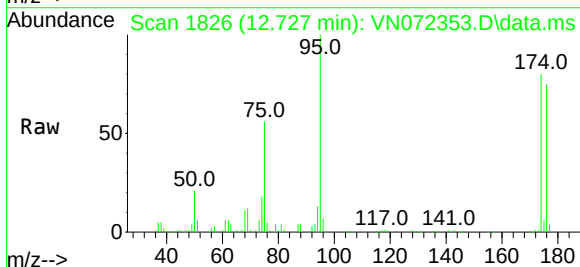
Instrument :
MSVOA_N
ClientSampleId :
TRE-1277

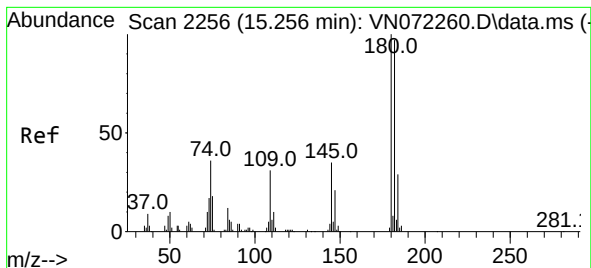
Tgt Ion: 75 Resp: 139930
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.074 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072353.D
Acq: 06 May 2022 14:34

Tgt Ion: 75 Resp: 139930
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#93

1,2,4-Trichlorobenzene

Concen: 2.694 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

TRE-1277

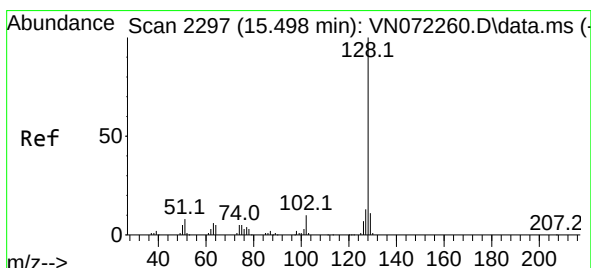
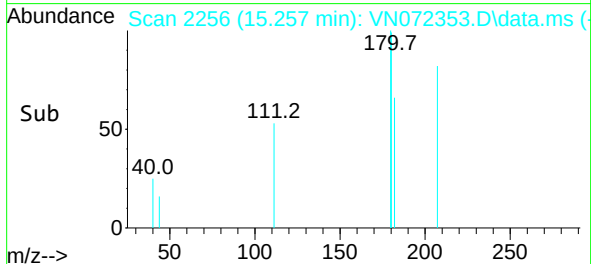
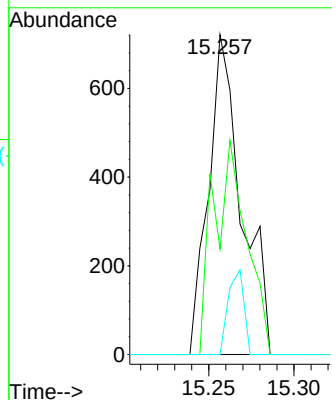
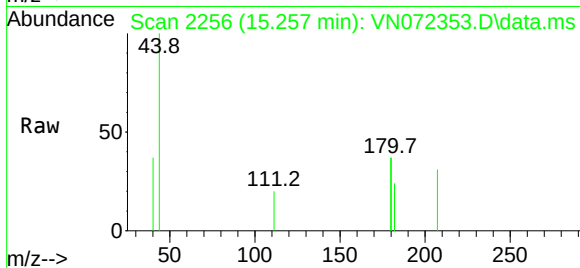
Tgt Ion:180 Resp: 971

Ion Ratio Lower Upper

180 100

182 66.8 47.5 142.5

145 12.5 14.5 43.5#



#95

Naphthalene

Concen: 4.769 ug/l

RT: 15.509 min Scan# 2299

Delta R.T. 0.011 min

Lab File: VN072353.D

Acq: 06 May 2022 14:34

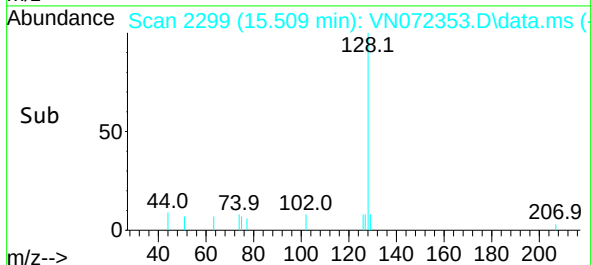
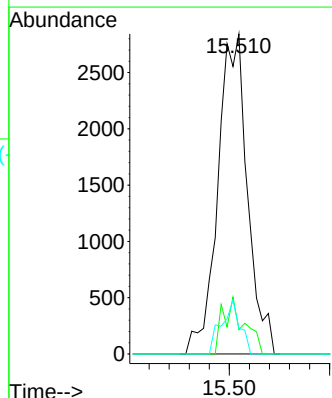
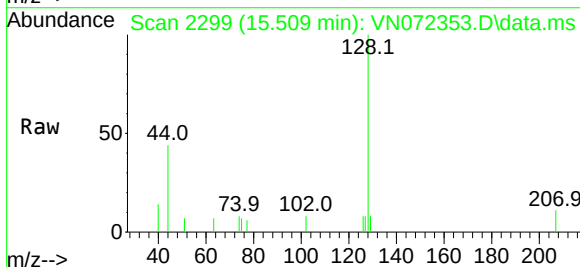
Tgt Ion:128 Resp: 5817

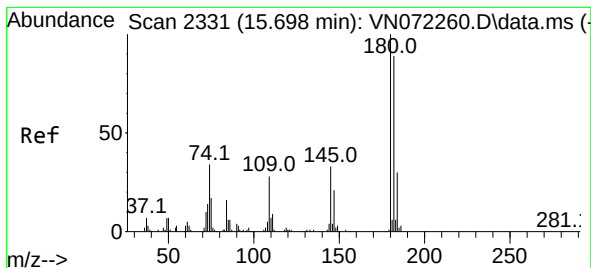
Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

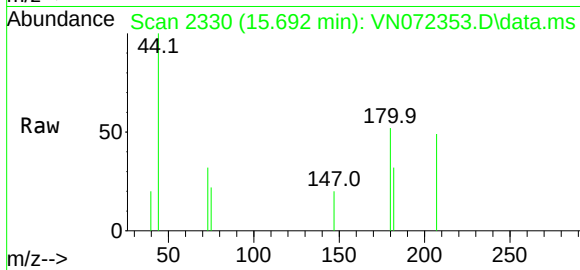
129 10.5 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.885 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072353.D
 Acq: 06 May 2022 14:34

Instrument :
 MSVOA_N
 ClientSampleId :
 TRE-1277



Tgt Ion:	180	Resp:	751
Ion	Ratio	Lower	Upper
180	100		
182	102.5	47.8	143.3
145	18.8	15.5	46.5

