

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042522\
 Data File : VN072175.D
 Acq On : 25 Apr 2022 12:59
 Operator : JC\MD
 Sample : VN0425WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBL01

Quant Time: Apr 26 05:38:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

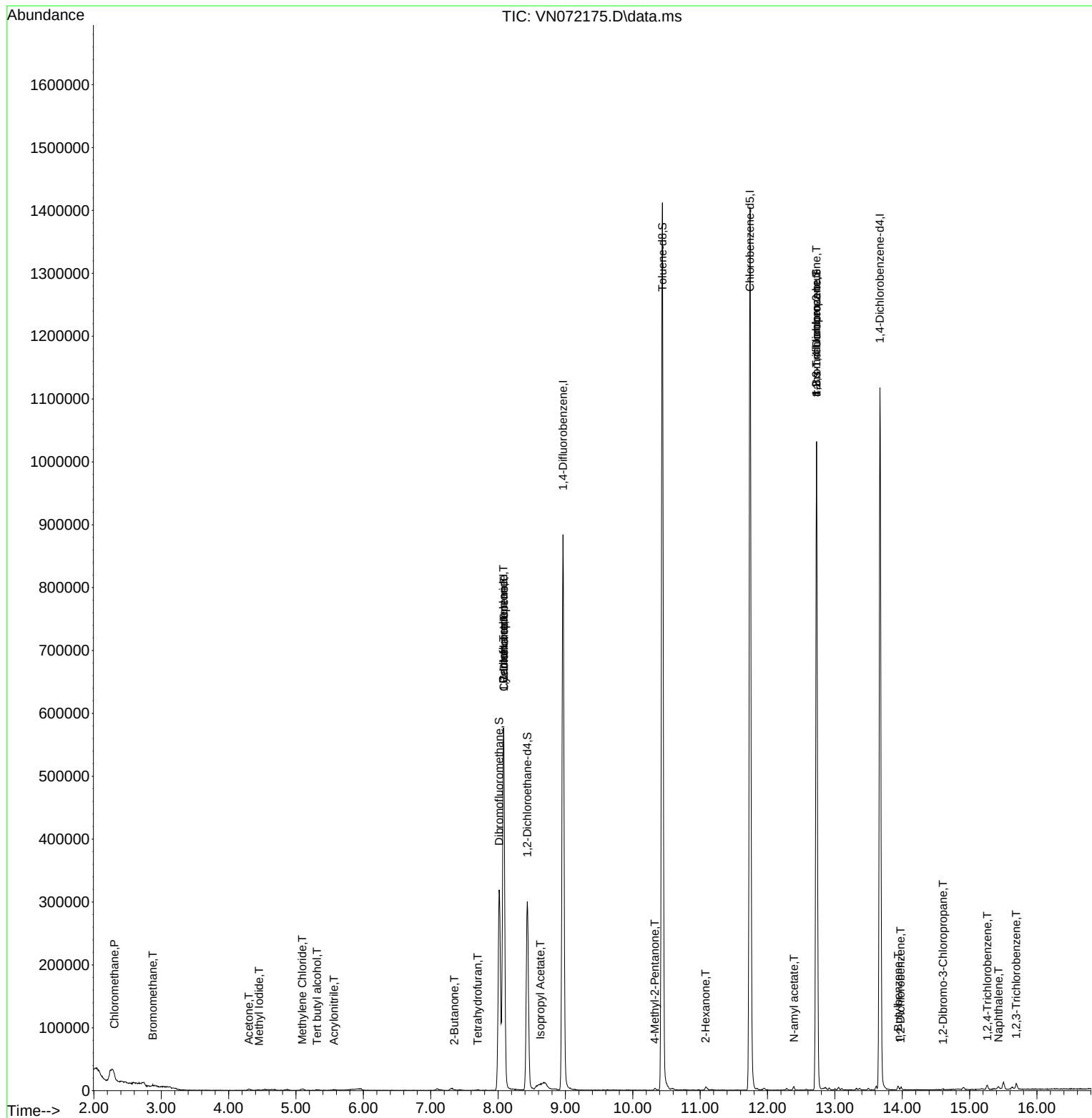
Internal Standards						
1) Pentafluorobenzene	8.081	168	501314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	845776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	912573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	342292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	252040	44.039	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.080%		
35) Dibromofluoromethane	8.016	113	242447	48.714	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.420%		
50) Toluene-d8	10.439	98	1055181	51.828	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.660%		
62) 4-Bromofluorobenzene	12.727	95	364936	55.423	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	110.840%		
Target Compounds						Qvalue
3) Chloromethane	2.304	50	1437	0.285	ug/l #	81
5) Bromomethane	2.875	94	1681	0.466	ug/l	96
10) Methyl Iodide	4.451	142	1334	0.219	ug/l #	44
11) Tert butyl alcohol	5.310	59	611	0.658	ug/l #	72
15) Acrylonitrile	5.563	53	647	0.240	ug/l #	78
16) Acetone	4.298	43	2675	1.094	ug/l #	76
18) Methyl Acetate	4.869	43	2987	Below Cal		94
20) Methylene Chloride	5.093	84	1987	0.385	ug/l #	75
25) 2-Butanone	7.351	43	1435	0.407	ug/l #	45
29) Tetrahydrofuran	7.698	42	828	0.363	ug/l #	46
31) Cyclohexane	8.086	56	7128	0.916	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	30190	4.344	ug/l #	48
38) Carbon Tetrachloride	8.081	117	43380	6.369	ug/l #	18
43) Isopropyl Acetate	8.628	43	12272	0.970	ug/l #	53
49) 1,4-Dioxane	9.575	88	57	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	2151	0.296	ug/l	99
59) 2-Hexanone	11.080	43	5240	1.023	ug/l	91
74) N-amyl acetate	12.392	43	3051	0.369	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	170737	21.532	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	170737	66.727	ug/l #	10
89) n-Butylbenzene	13.939	91	4267	0.266	ug/l	95
91) 1,2-Dichlorobenzene	13.974	146	2635	0.233	ug/l	84
92) 1,2-Dibromo-3-Chloropr...	14.604	75	409	0.274	ug/l	96
93) 1,2,4-Trichlorobenzene	15.262	180	3267	2.660	ug/l	92
95) Naphthalene	15.427	128	6652	4.197	ug/l	96
96) 1,2,3-Trichlorobenzene	15.692	180	3946	3.126	ug/l	85

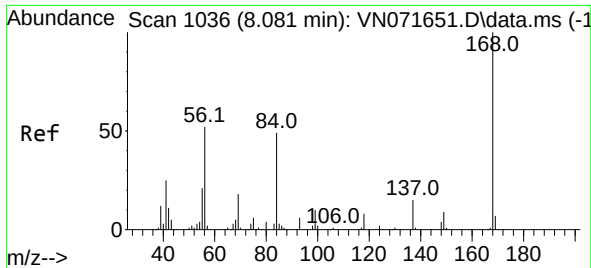
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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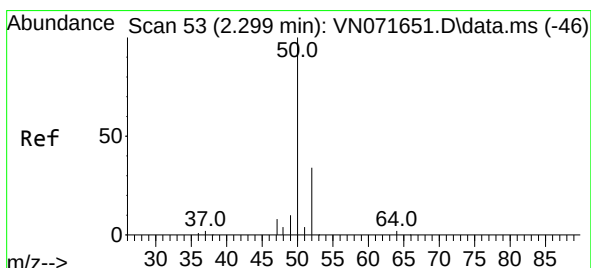
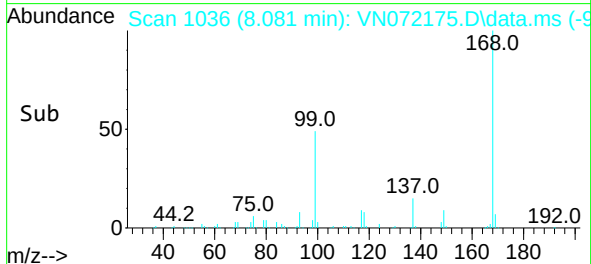
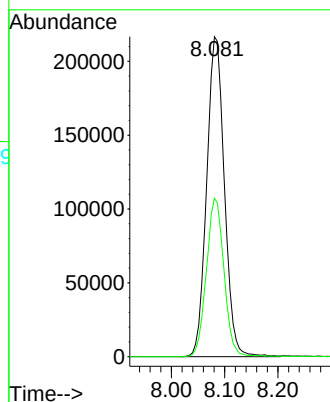
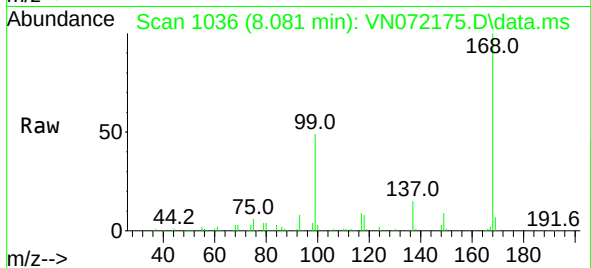




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

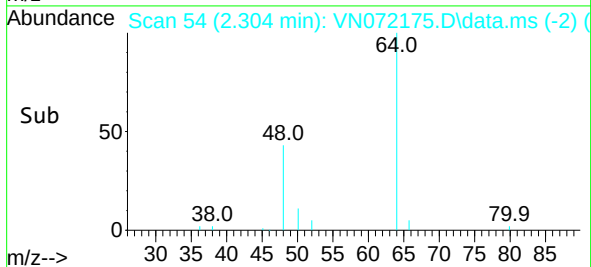
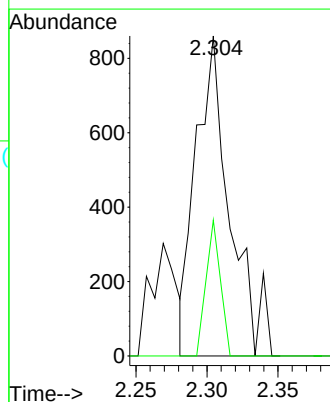
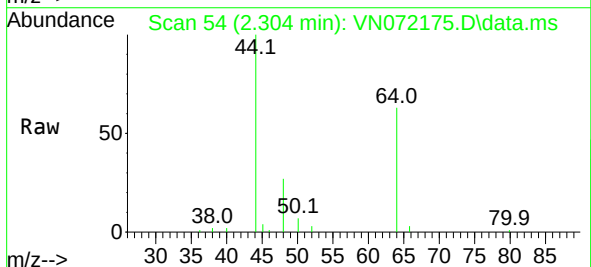
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

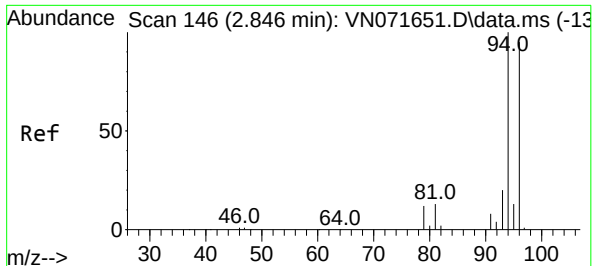
Tgt Ion:168 Resp: 501314
Ion Ratio Lower Upper
168 100
99 49.5 42.3 63.5



#3
Chloromethane
Concen: 0.285 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 50 Resp: 1437
Ion Ratio Lower Upper
50 100
52 42.4 25.7 38.5#

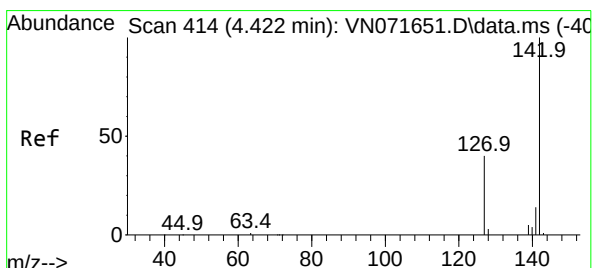
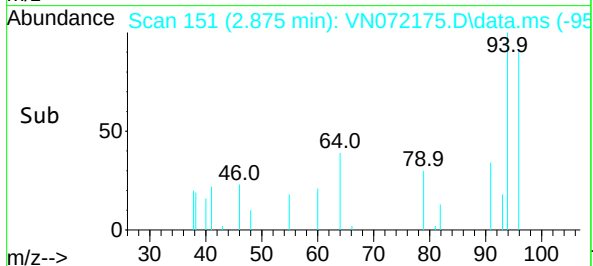
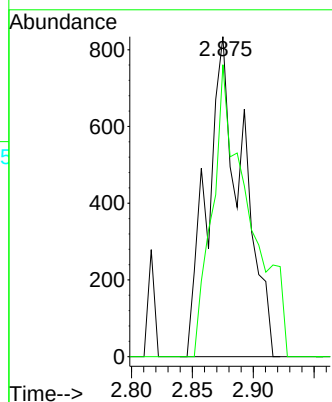
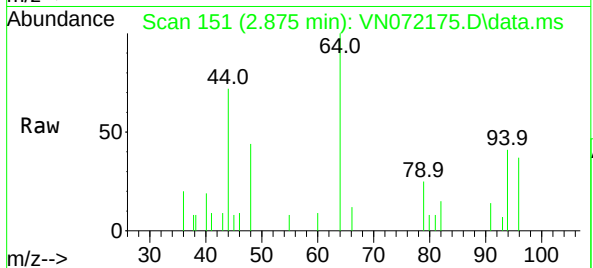




#5
Bromomethane
Concen: 0.466 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

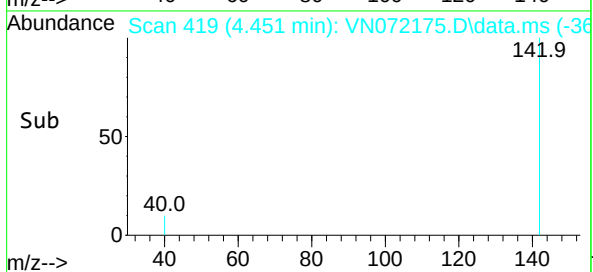
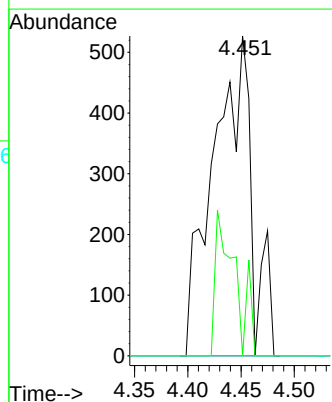
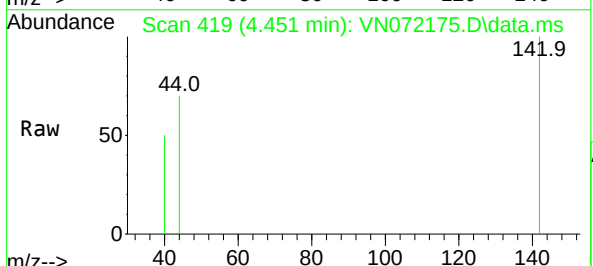
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

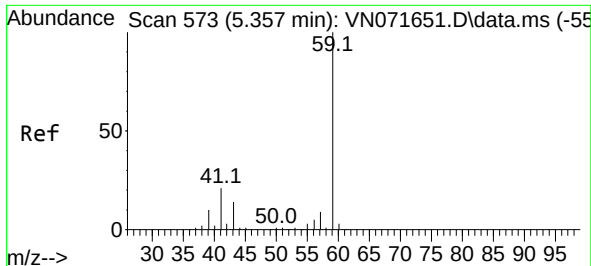
Tgt Ion: 94 Resp: 1681
Ion Ratio Lower Upper
94 100
96 91.2 76.0 114.0



#10
Methyl Iodide
Concen: 0.219 ug/l
RT: 4.451 min Scan# 419
Delta R.T. 0.029 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 142 Resp: 1334
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#

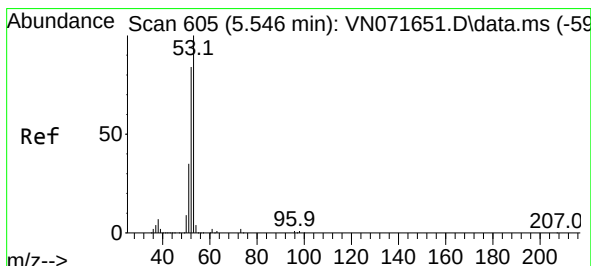
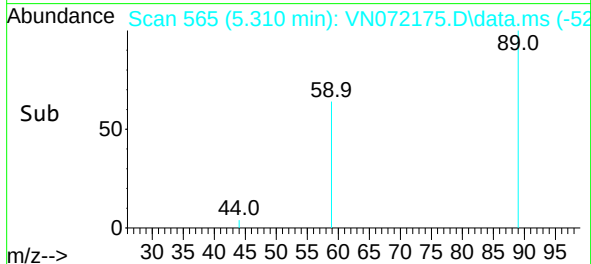
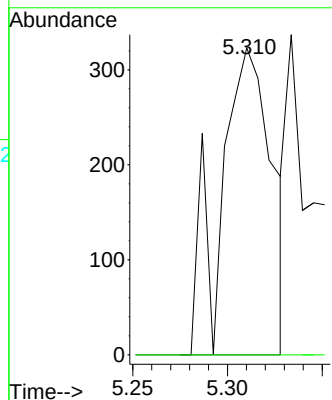
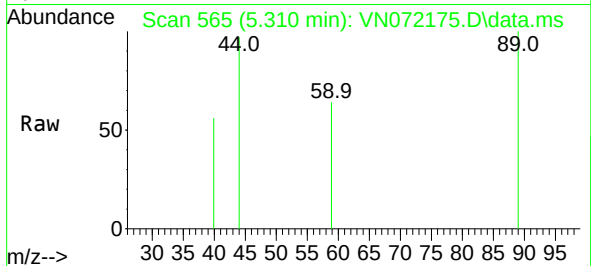




#11
Tert butyl alcohol
Concen: 0.658 ug/l
RT: 5.310 min Scan# 573
Delta R.T. -0.047 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

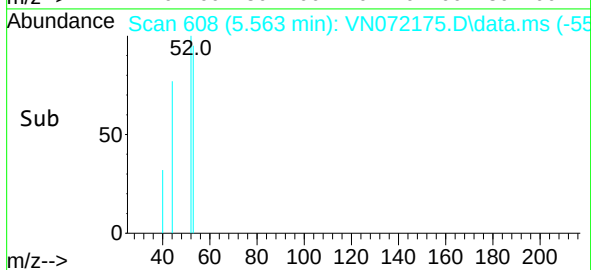
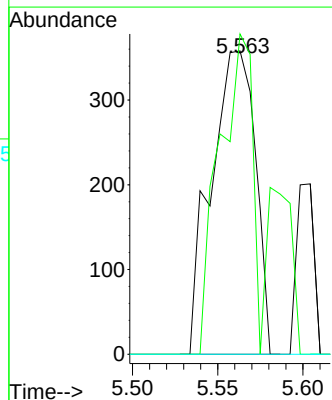
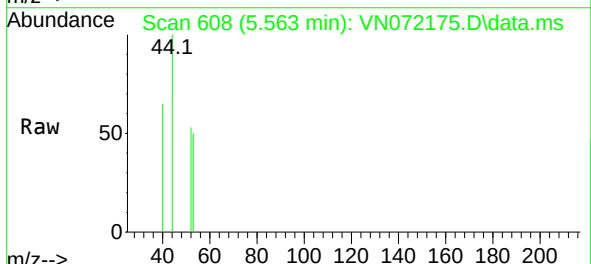
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

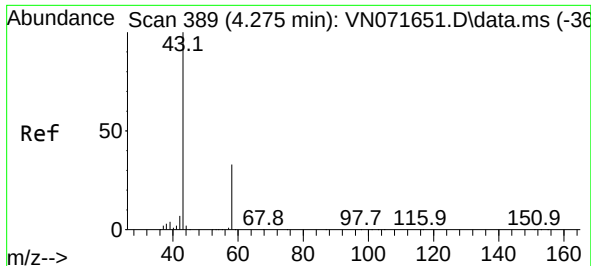
Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#15
Acrylonitrile
Concen: 0.240 ug/l
RT: 5.563 min Scan# 608
Delta R.T. 0.017 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 53 Resp: 647
Ion Ratio Lower Upper
53 100
52 78.7 66.4 99.6
51 0.0 28.5 42.7#

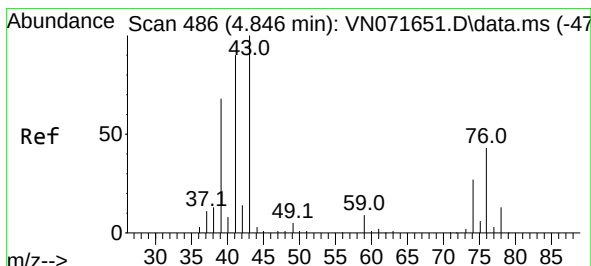
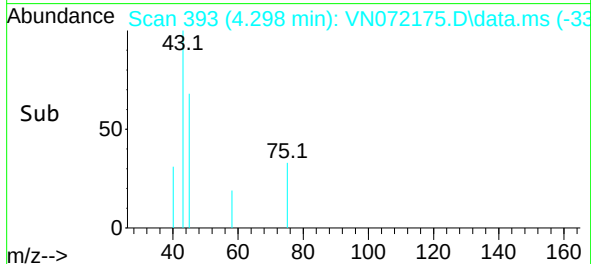
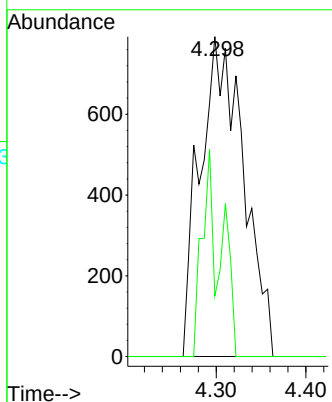
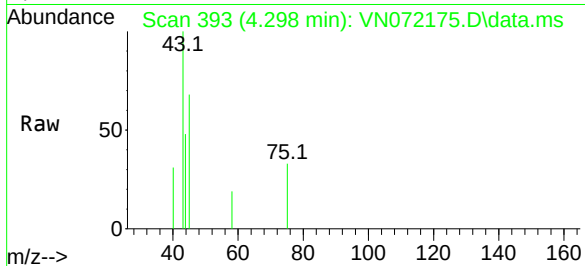




#16
Acetone
Concen: 1.094 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.023 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

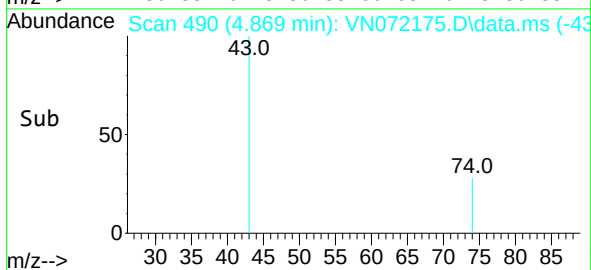
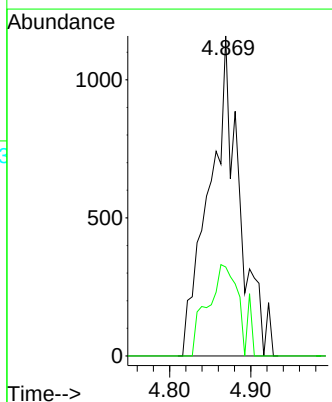
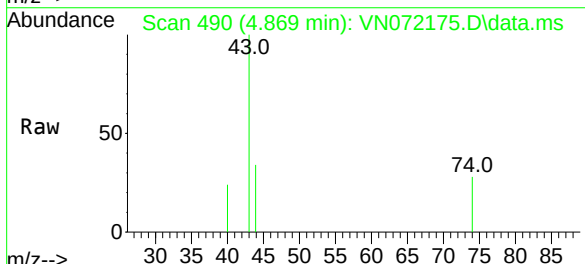
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

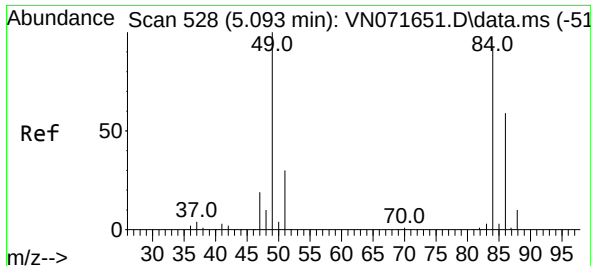
Tgt Ion: 43 Resp: 2675
Ion Ratio Lower Upper
43 100
58 18.9 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.023 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

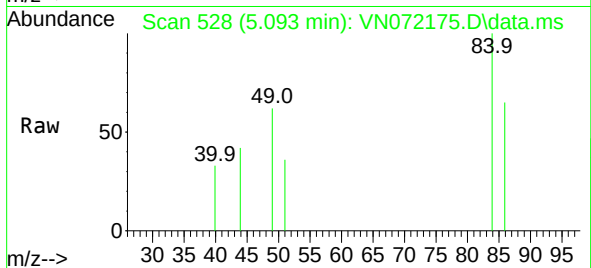
Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
74 30.3 21.6 32.4





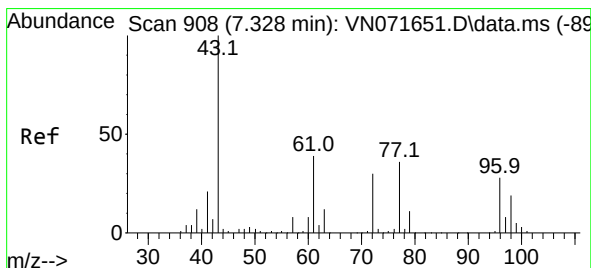
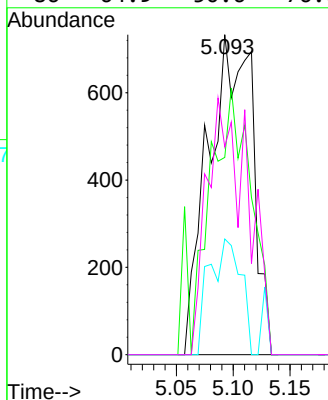
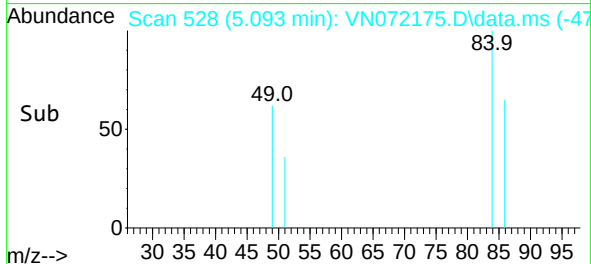
#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

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VN0425WBL01

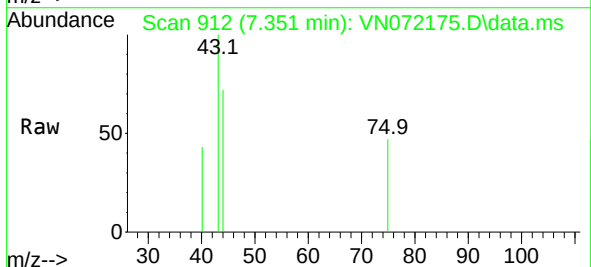


Tgt Ion: 84 Resp: 1987

Ion	Ratio	Lower	Upper
84	100		
49	61.7	88.3	132.5#
51	36.2	28.2	42.2
86	64.9	50.6	76.0

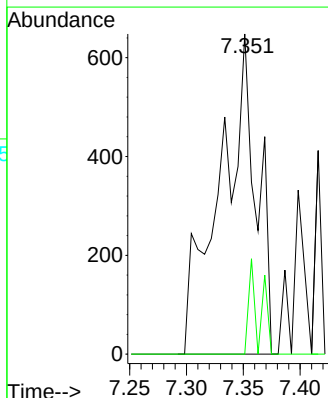
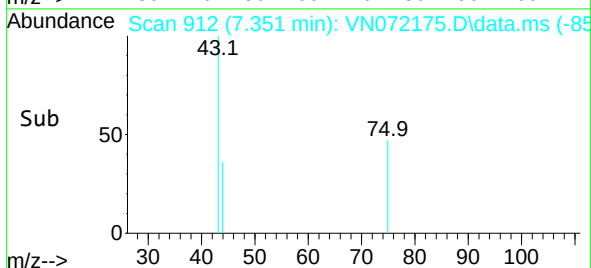


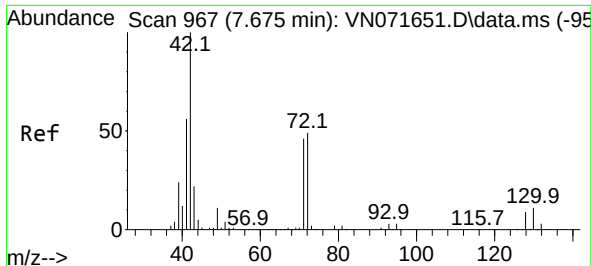
#25
2-Butanone
Concen: 0.407 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59



Tgt Ion: 43 Resp: 1435

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

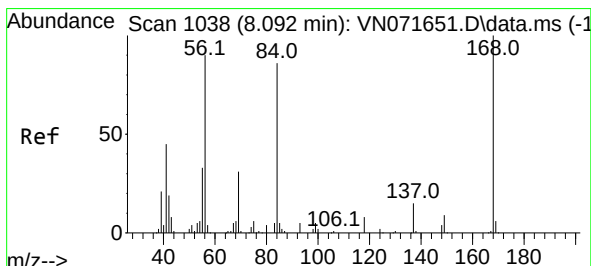
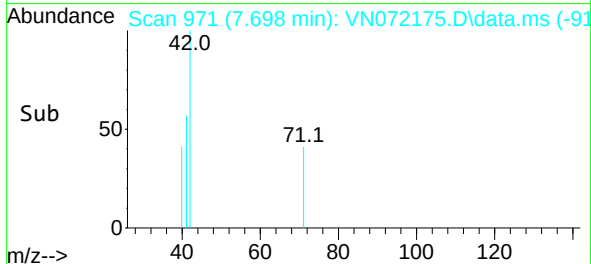
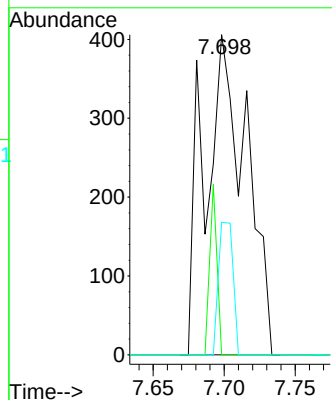
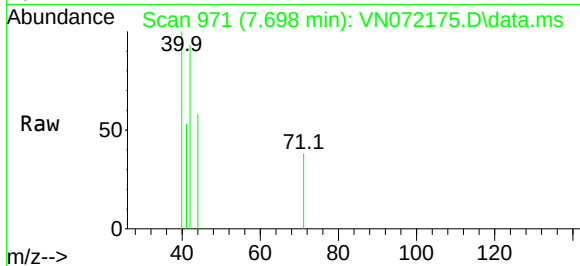




#29
Tetrahydrofuran
Concen: 0.363 ug/l
RT: 7.698 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

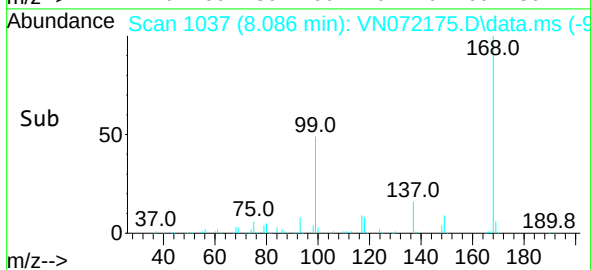
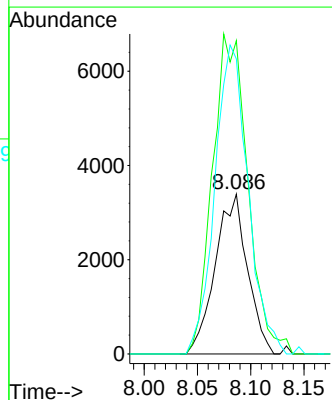
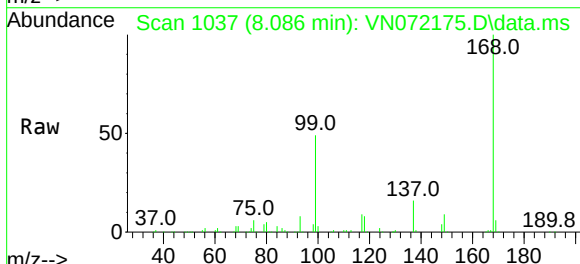
Instrument :
MSVOA_N
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VN0425WBL01

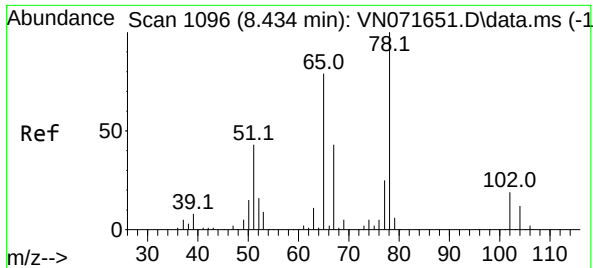
Tgt Ion: 42 Resp: 828
Ion Ratio Lower Upper
42 100
72 9.2 39.7 59.5#
71 14.3 36.6 55.0#



#31
Cyclohexane
Concen: 0.916 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 56 Resp: 7128
Ion Ratio Lower Upper
56 100
69 196.1 27.8 41.8#
84 184.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 44.039 ug/l

RT: 8.433 min Scan# 1106

Delta R.T. -0.001 min

Lab File: VN072175.D

Acq: 25 Apr 2022 12:59

Instrument :

MSVOA_N

ClientSampleId :

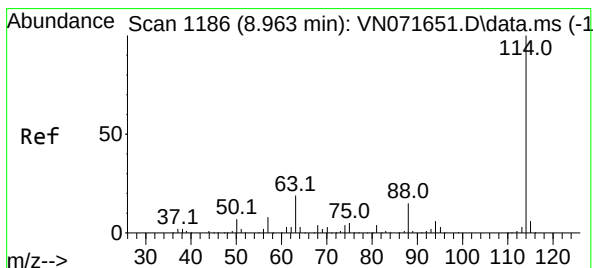
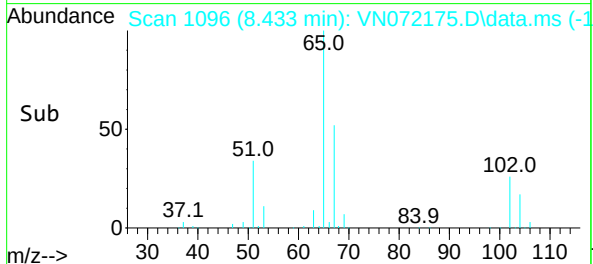
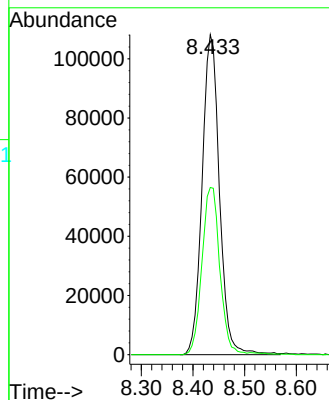
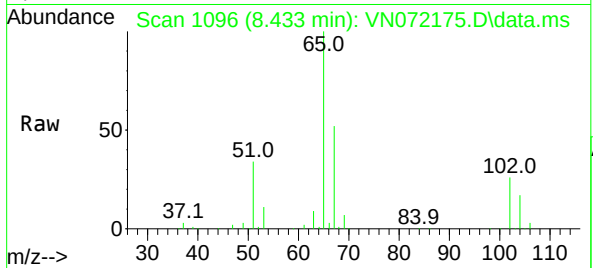
VN0425WBL01

Tgt Ion: 65 Resp: 252040

Ion Ratio Lower Upper

65 100

67 53.6 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: VN072175.D

Acq: 25 Apr 2022 12:59

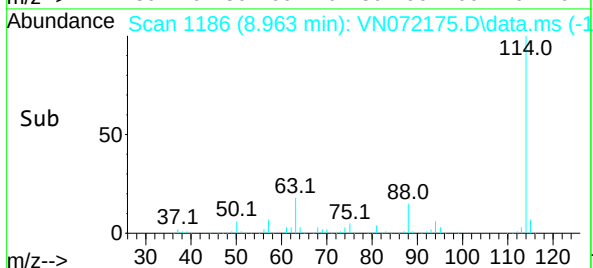
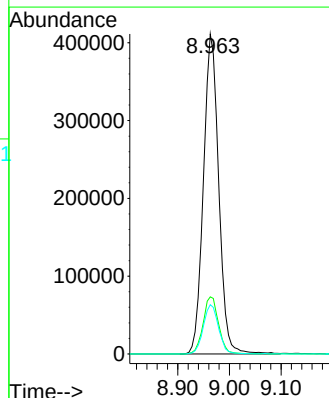
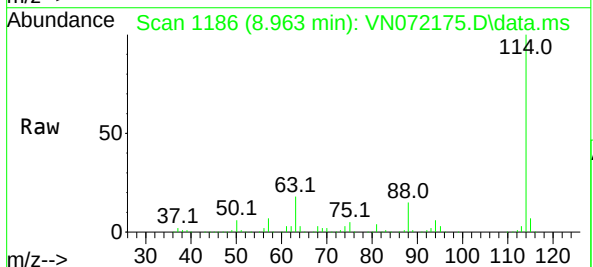
Tgt Ion: 114 Resp: 845776

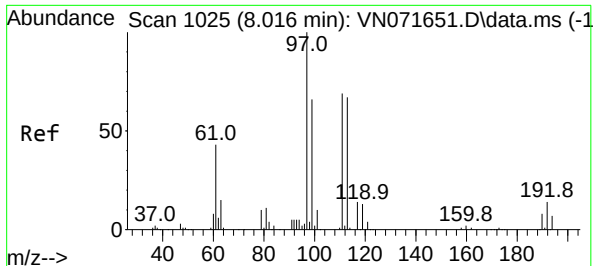
Ion Ratio Lower Upper

114 100

63 17.9 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.714 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072175.D

Acq: 25 Apr 2022 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBL01

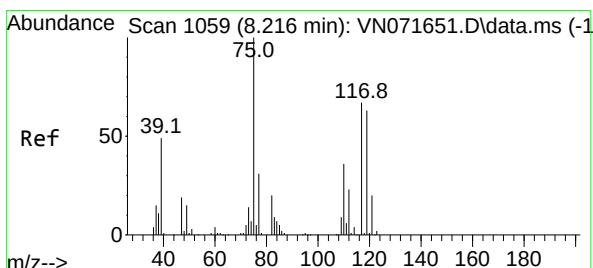
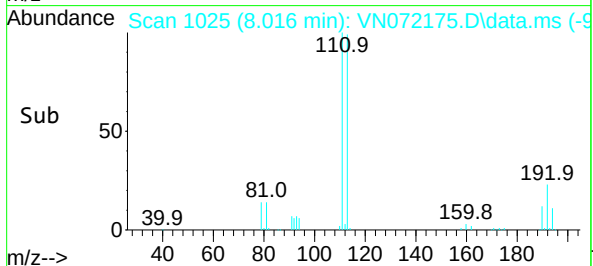
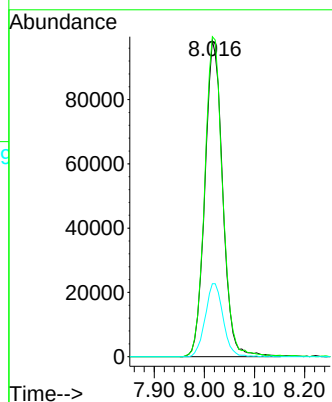
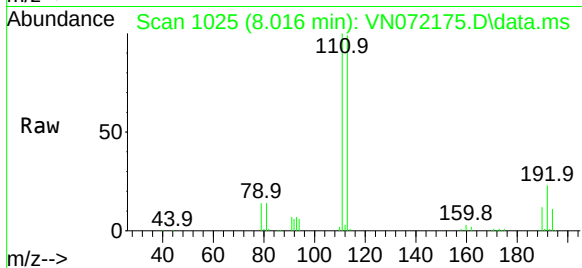
Tgt Ion:113 Resp: 242447

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 23.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.344 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072175.D

Acq: 25 Apr 2022 12:59

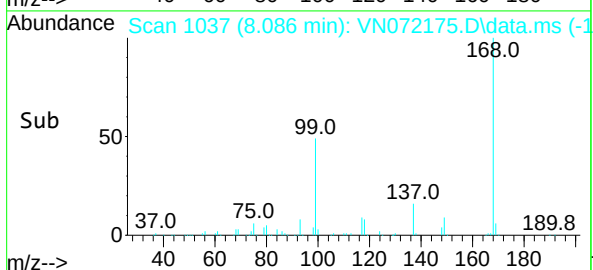
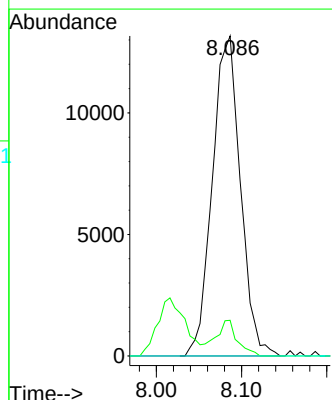
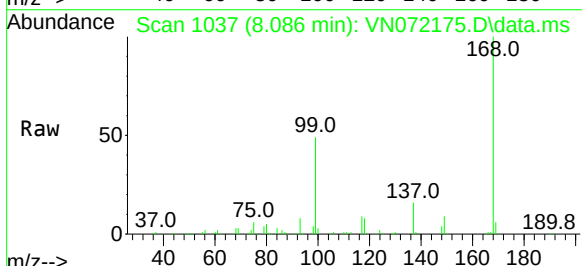
Tgt Ion: 75 Resp: 30190

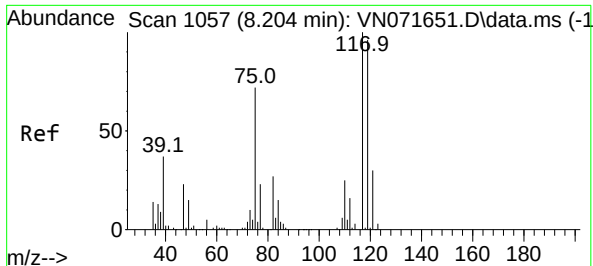
Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#

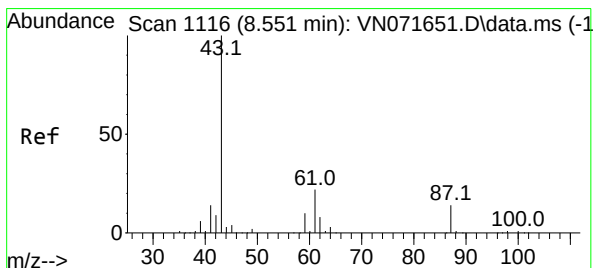
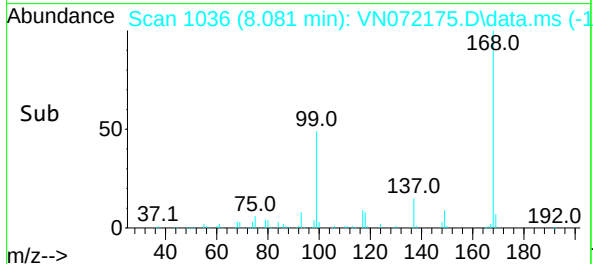
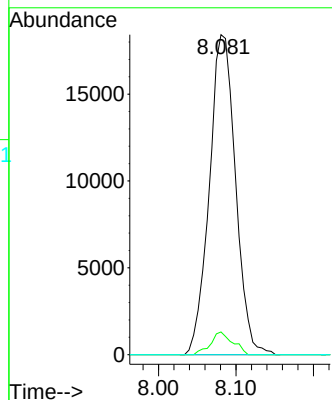
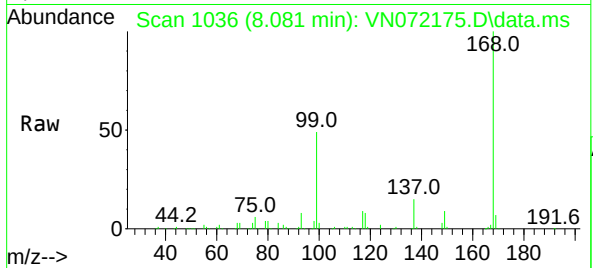




#38
Carbon Tetrachloride
Concen: 6.369 ug/l
RT: 8.081 min Scan# 1129
Delta R.T. -0.123 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

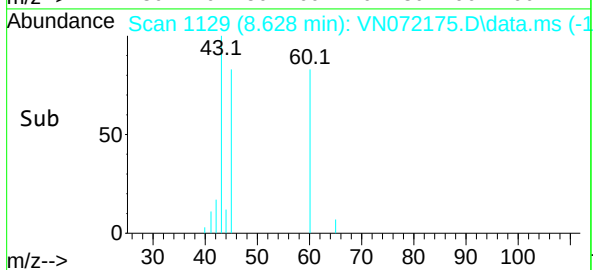
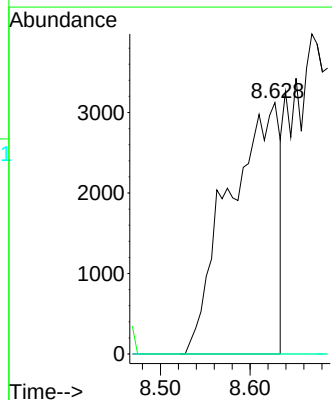
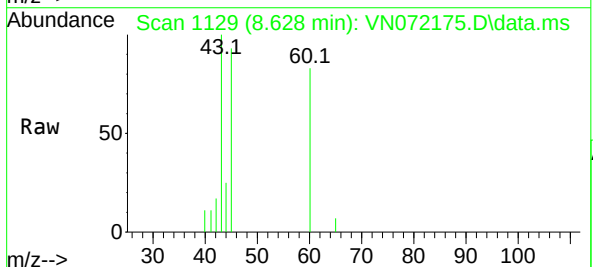
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

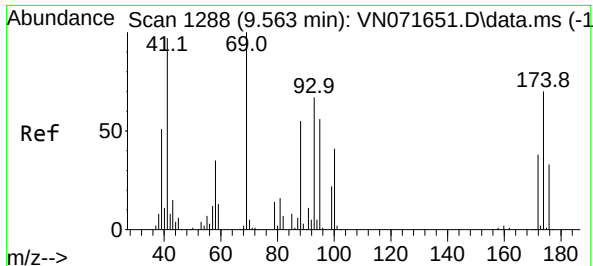
Tgt Ion:117 Resp: 43380
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.970 ug/l
RT: 8.628 min Scan# 1129
Delta R.T. 0.077 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 43 Resp: 12272
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.575 min Scan# 1288

Delta R.T. 0.012 min

Lab File: VN072175.D

Acq: 25 Apr 2022 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0425WBL01

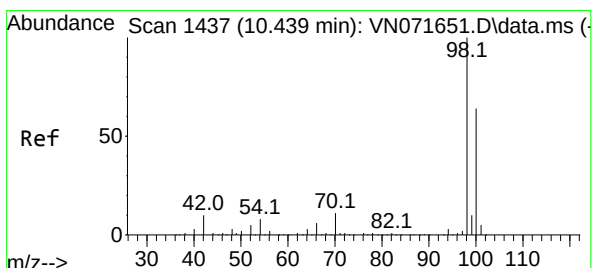
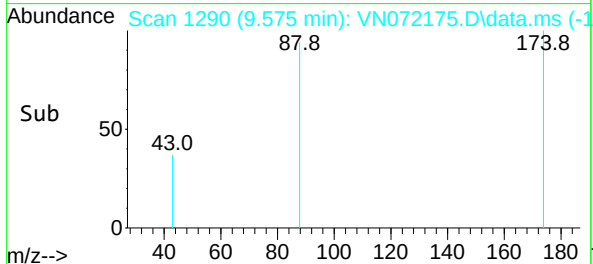
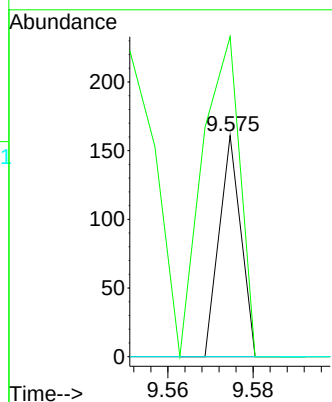
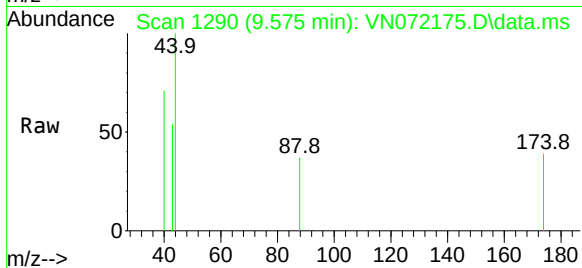
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 247.4 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 51.828 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072175.D

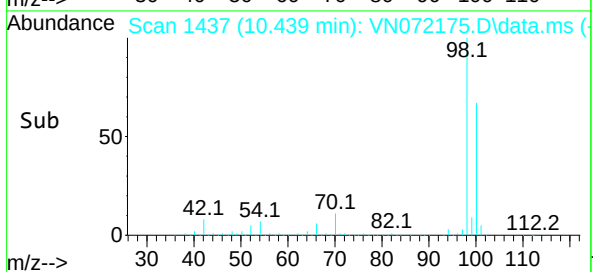
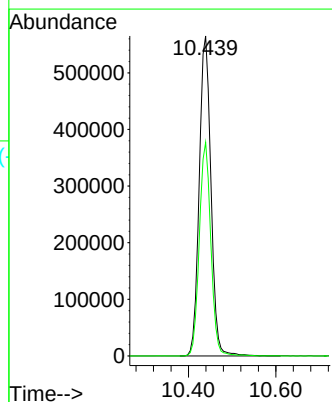
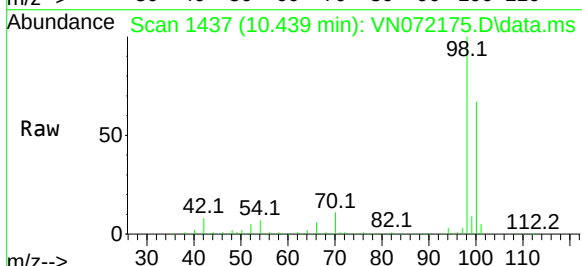
Acq: 25 Apr 2022 12:59

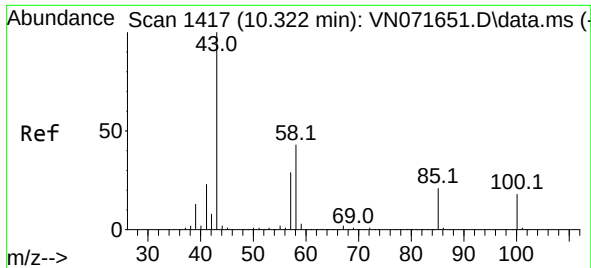
Tgt Ion: 98 Resp: 1055181

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

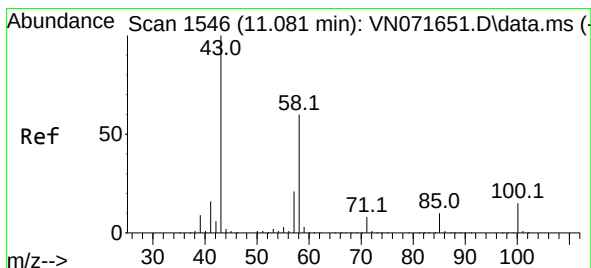
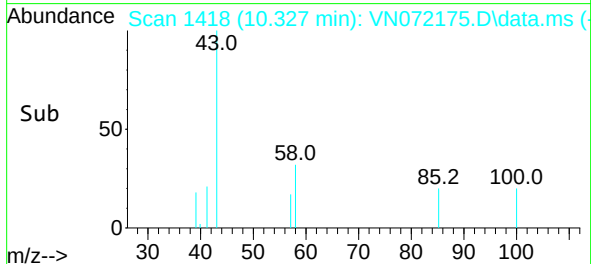
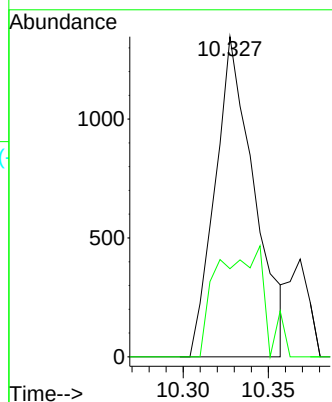
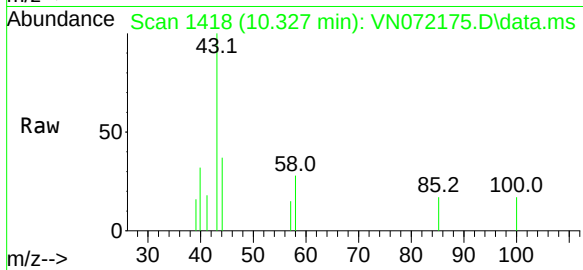




#51
4-Methyl-2-Pentanone
Concen: 0.296 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

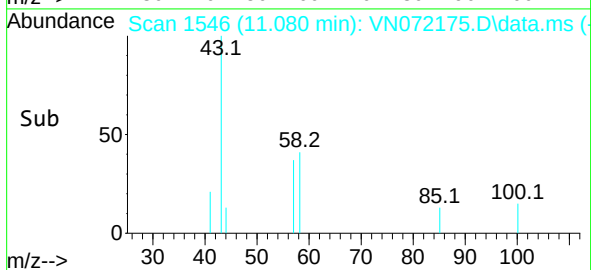
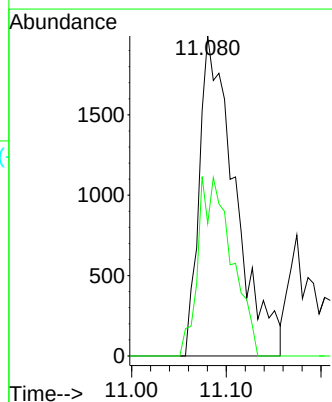
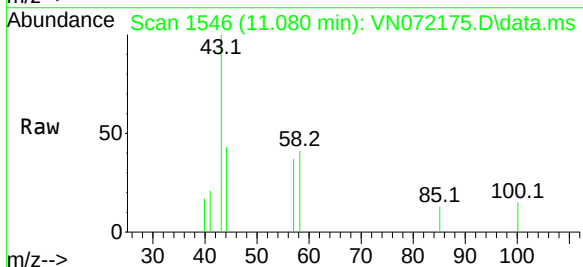
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

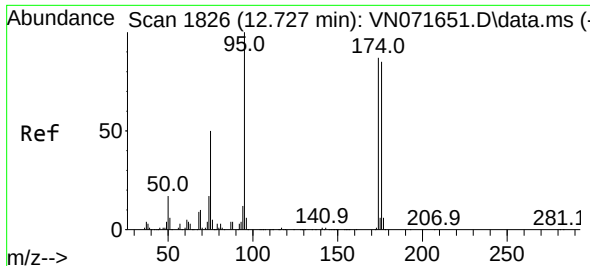
Tgt Ion: 43 Resp: 2151
Ion Ratio Lower Upper
43 100
58 41.7 34.1 51.1



#59
2-Hexanone
Concen: 1.023 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.001 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 43 Resp: 5240
Ion Ratio Lower Upper
43 100
58 52.4 29.7 89.1

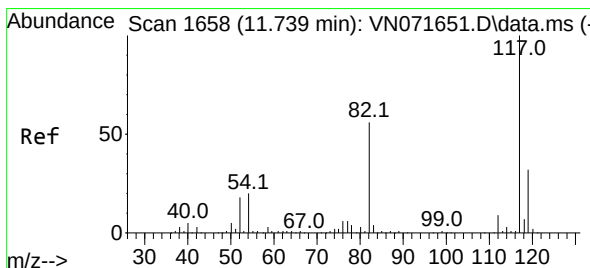
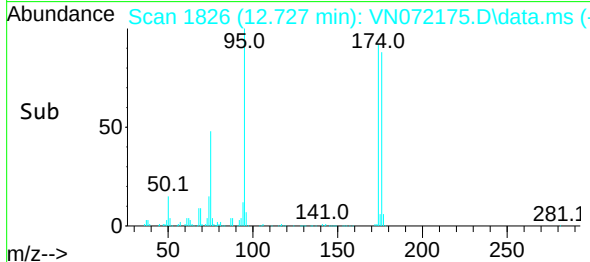
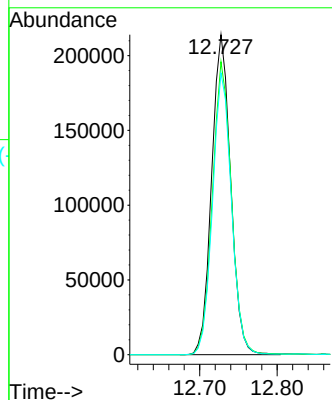
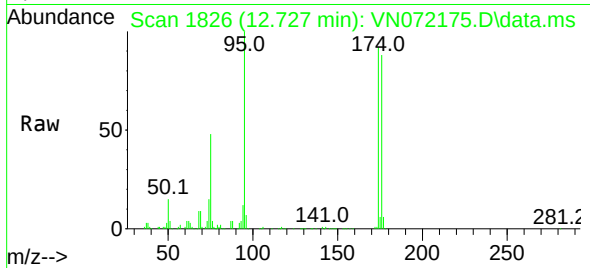




#62
4-Bromofluorobenzene
Concen: 55.423 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

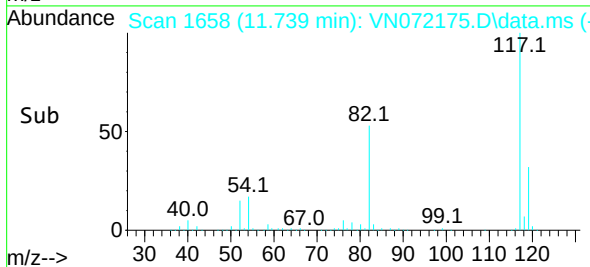
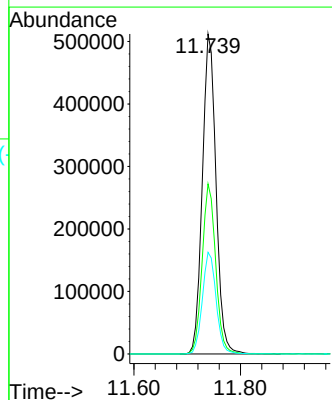
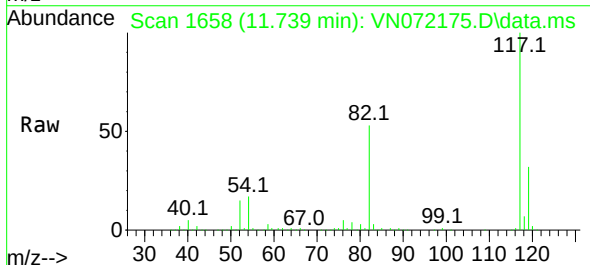
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

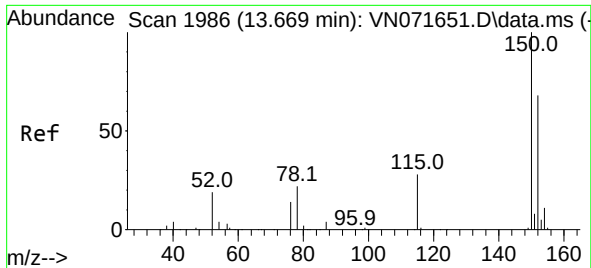
Tgt Ion: 95 Resp: 364936
Ion Ratio Lower Upper
95 100
174 91.6 0.0 167.6
176 87.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 117 Resp: 912573
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 31.7 25.4 38.0

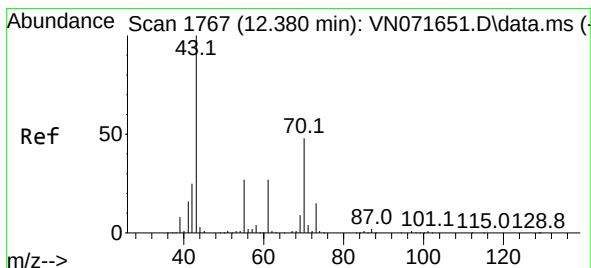
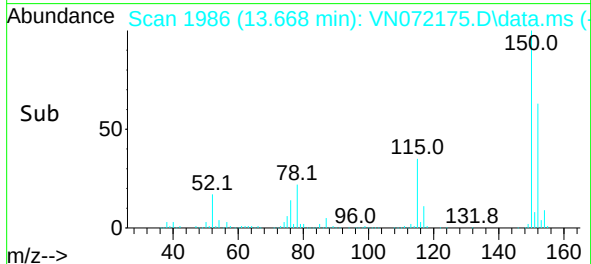
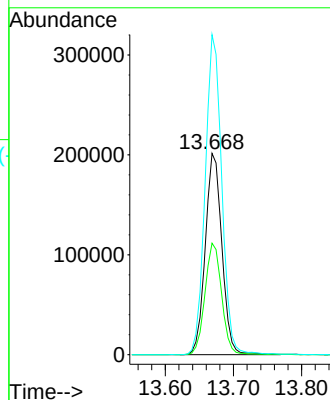
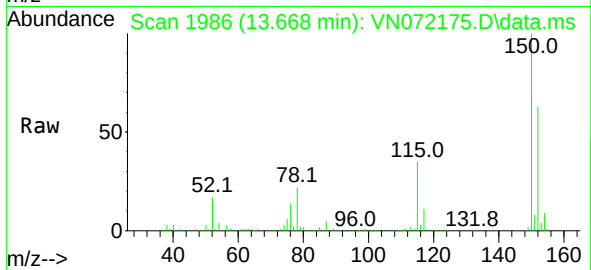




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072175.D
 Acq: 25 Apr 2022 12:59

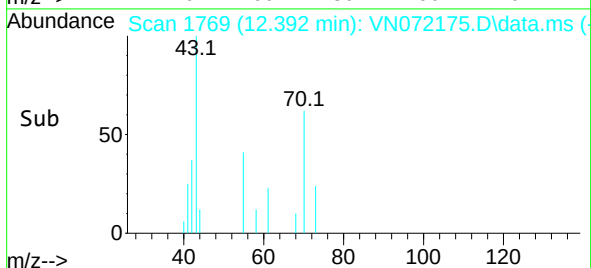
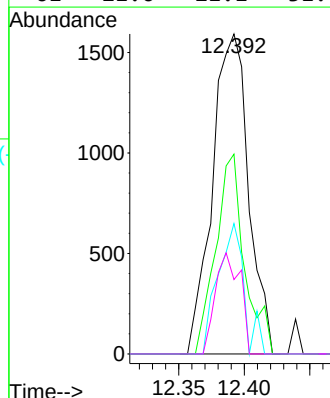
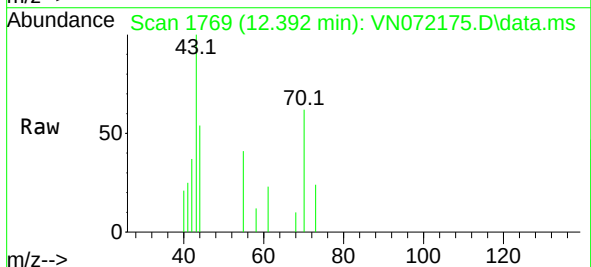
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0425WBL01

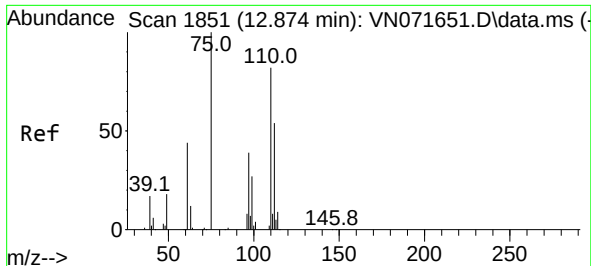
Tgt Ion:152 Resp: 342292
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.9 86.7
 150 158.8 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.369 ug/l
 RT: 12.392 min Scan# 1769
 Delta R.T. 0.012 min
 Lab File: VN072175.D
 Acq: 25 Apr 2022 12:59

Tgt Ion: 43 Resp: 3051
 Ion Ratio Lower Upper
 43 100
 70 49.8 39.0 58.4
 55 29.3 21.1 31.7
 61 21.6 21.1 31.7

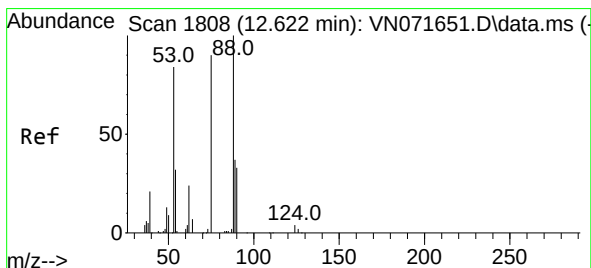
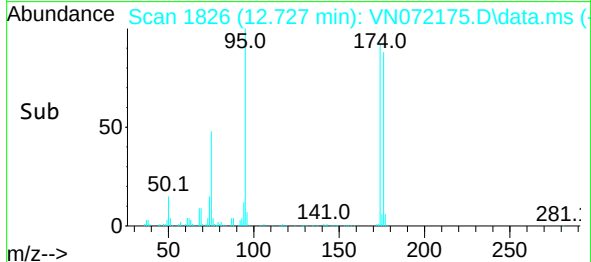
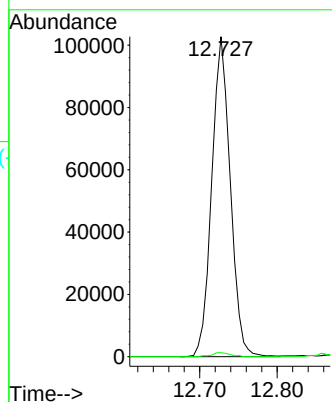
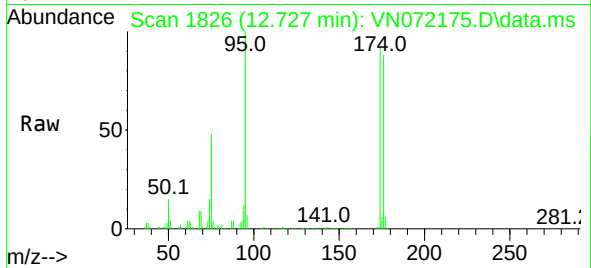




#76
1,2,3-Trichloropropane
Concen: 21.532 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

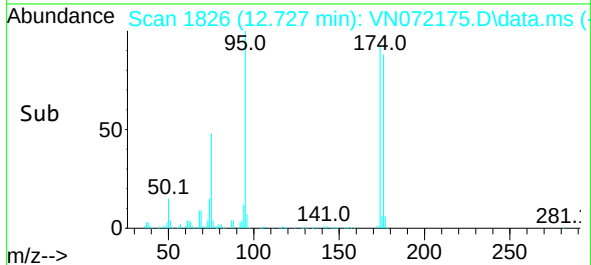
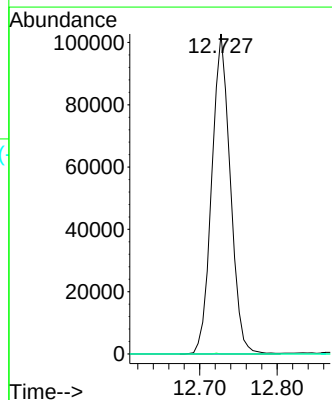
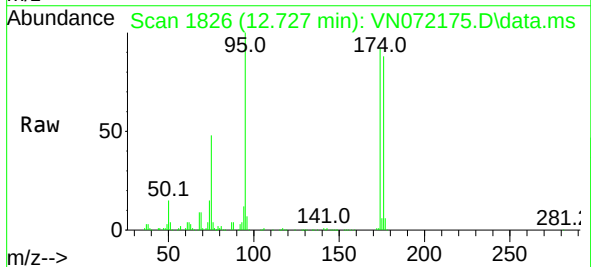
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

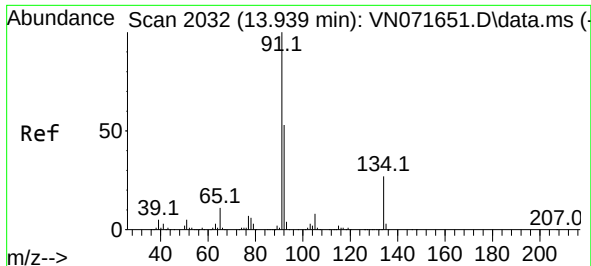
Tgt Ion: 75 Resp: 170737
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.727 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 75 Resp: 170737
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

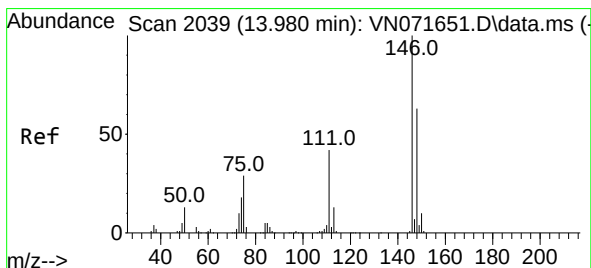
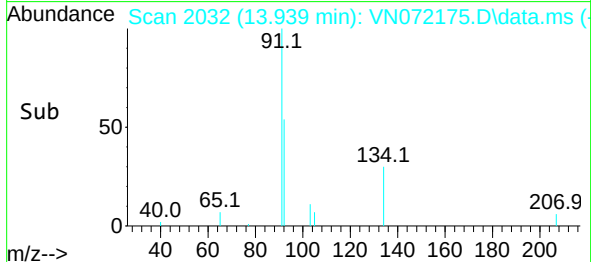
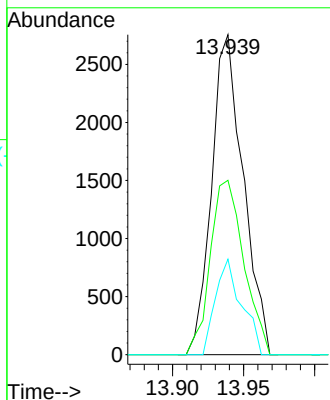
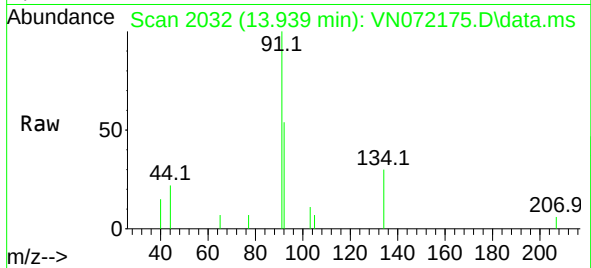




#89
n-Butylbenzene
Concen: 0.266 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

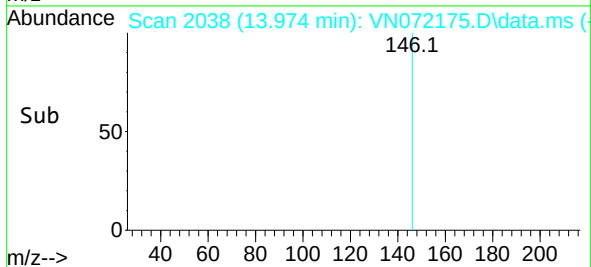
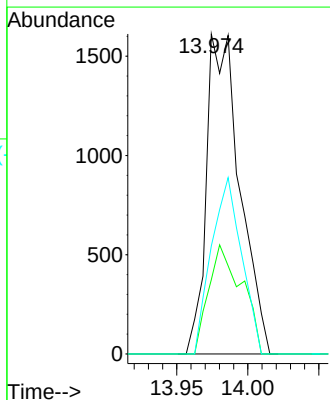
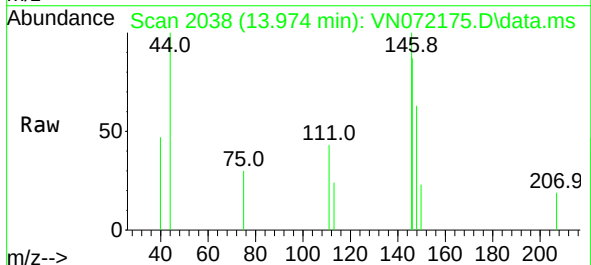
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

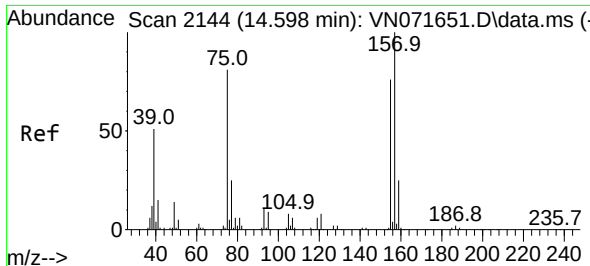
Tgt Ion:	91	Resp:	4267
Ion	Ratio	Lower	Upper
91	100		
92	57.9	26.9	80.7
134	24.7	13.6	40.8



#91
1,2-Dichlorobenzene
Concen: 0.233 ug/l
RT: 13.974 min Scan# 2038
Delta R.T. -0.006 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion:	146	Resp:	2635
Ion	Ratio	Lower	Upper
146	100		
111	33.8	20.9	62.8
148	49.8	32.1	96.3

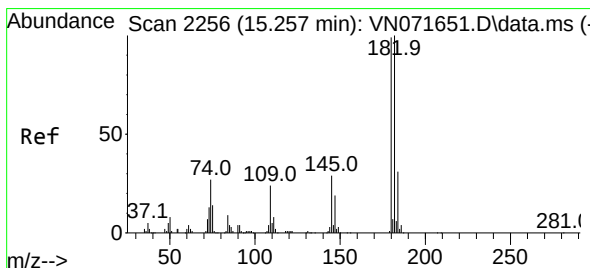
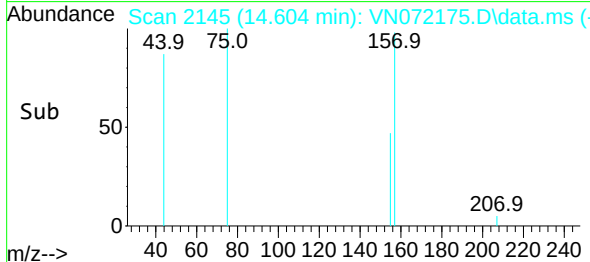
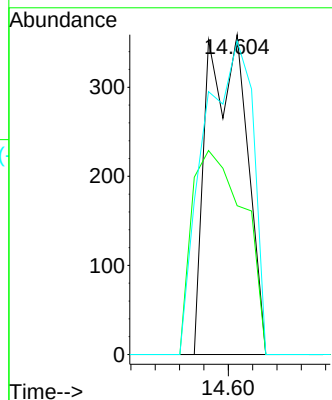
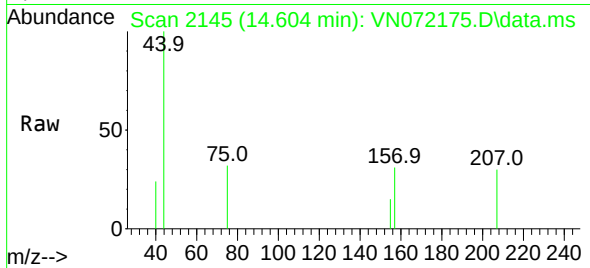




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.274 ug/l
RT: 14.604 min Scan# 2145
Delta R.T. 0.006 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

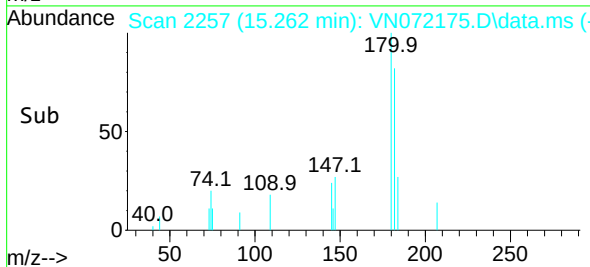
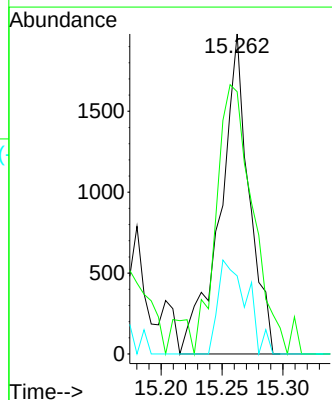
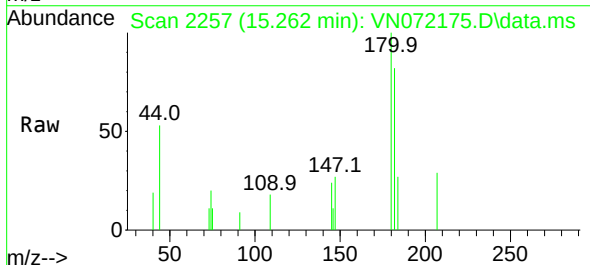
Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

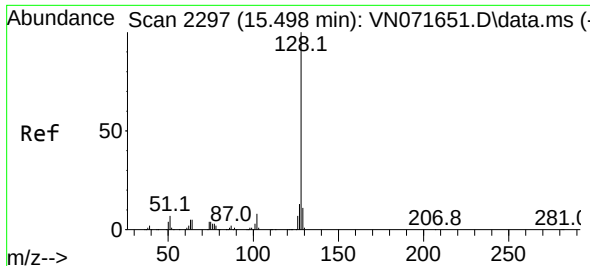
Tgt Ion: 75 Resp: 409
Ion Ratio Lower Upper
75 100
155 83.4 44.9 134.5
157 120.5 59.0 176.8



#93
1,2,4-Trichlorobenzene
Concen: 2.660 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion: 180 Resp: 3267
Ion Ratio Lower Upper
180 100
182 105.6 47.5 142.5
145 29.2 14.5 43.5

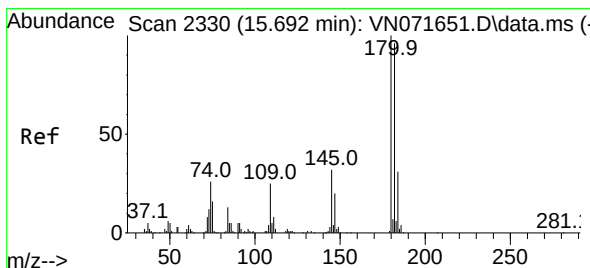
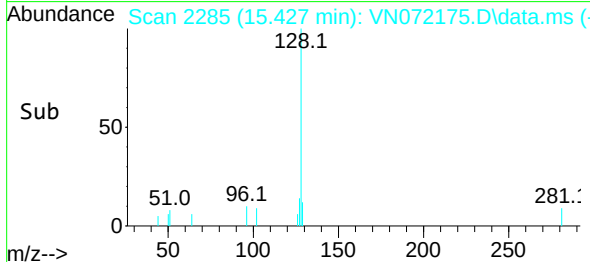
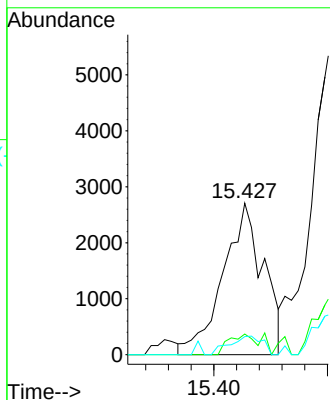
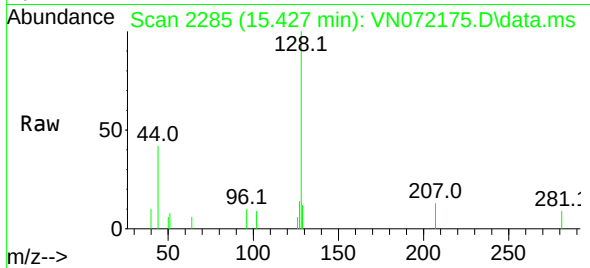




#95
Naphthalene
Concen: 4.197 ug/l
RT: 15.427 min Scan# 21
Delta R.T. -0.071 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0425WBL01

Tgt Ion:128 Resp: 6652
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.126 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN072175.D
Acq: 25 Apr 2022 12:59

Tgt Ion:180 Resp: 3946
Ion Ratio Lower Upper
180 100
182 111.6 47.8 143.3
145 36.3 15.5 46.5

