

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
 Data File : VN071597.D
 Acq On : 28 Mar 2022 11:01
 Operator : JC\MD
 Sample : VN0328WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 29 04:36:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 25 09:52:40 2022
 Response via : Initial Calibration

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

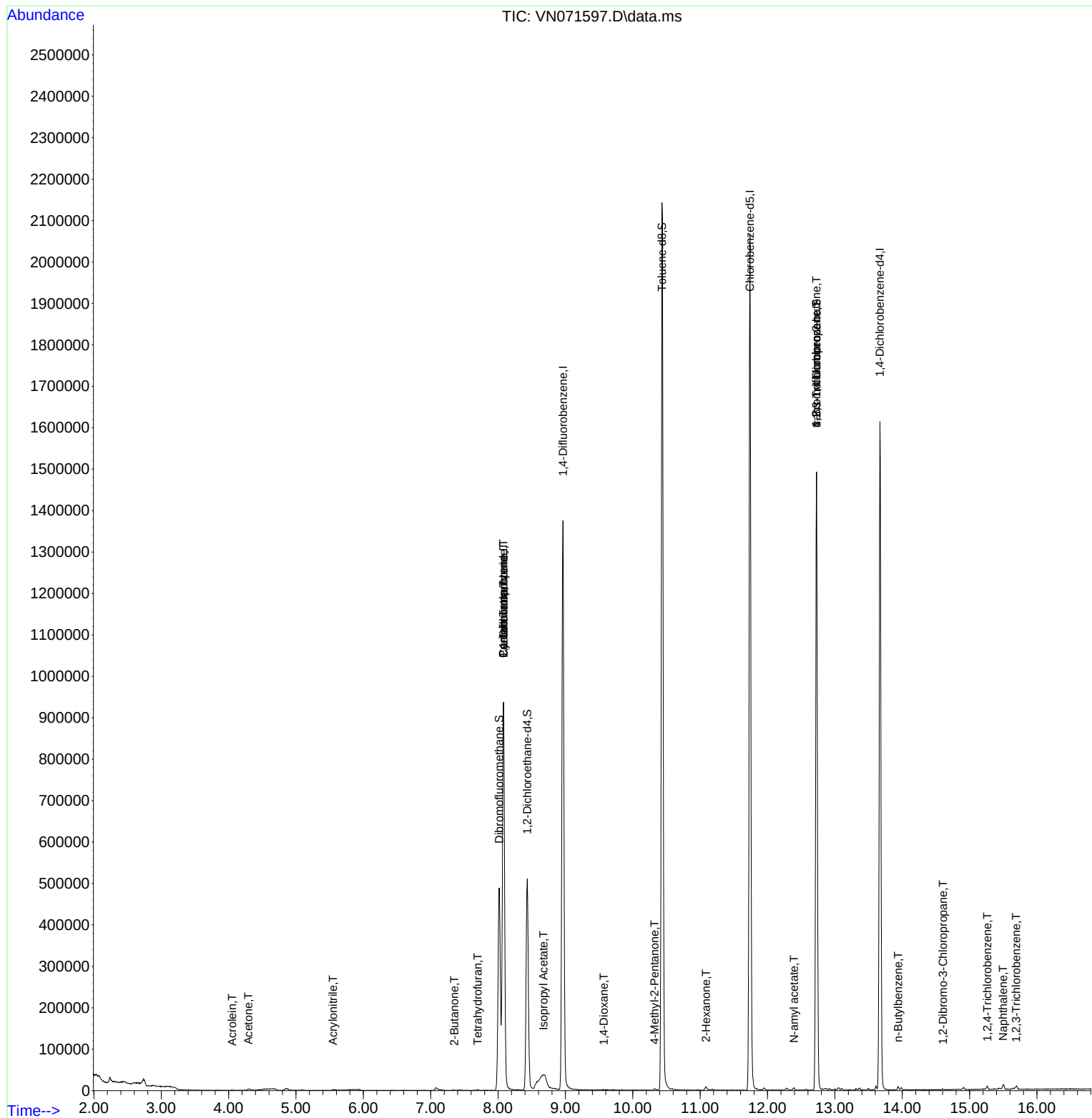
Internal Standards						
1) Pentafluorobenzene	8.081	168	769522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1286149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1252477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	466700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	435881	45.592	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.180%
35) Dibromofluoromethane	8.016	113	366308	45.318	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	90.640%
50) Toluene-d8	10.433	98	1562280	47.918	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.840%
62) 4-Bromofluorobenzene	12.727	95	529268	49.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1659	Below Cal	#	43
13) Acrolein	4.051	56	638	0.468	ug/l	97
15) Acrylonitrile	5.551	53	1438	0.297	ug/l #	58
16) Acetone	4.293	43	3803	0.970	ug/l #	83
18) Methyl Acetate	4.857	43	10690	Below Cal	#	71
25) 2-Butanone	7.351	43	1488	0.237	ug/l #	45
29) Tetrahydrofuran	7.698	42	962	0.230	ug/l #	87
31) Cyclohexane	8.081	56	14447	1.056	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	53690	4.607	ug/l #	49
38) Carbon Tetrachloride	8.081	117	70394	6.196	ug/l #	16
43) Isopropyl Acetate	8.675	43	73810	3.254	ug/l #	53
49) 1,4-Dioxane	9.569	88	251	1.186	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	3811	0.300	ug/l #	73
59) 2-Hexanone	11.086	43	7420	0.809	ug/l	84
74) N-amyl acetate	12.392	43	3682	0.278	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.816	83	917	Below Cal	#	91
76) 1,2,3-Trichloropropane	12.727	75	265637	25.525	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	265637	68.338	ug/l #	10
89) n-Butylbenzene	13.939	91	5459	0.230	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.604	75	501	0.206	ug/l	81
93) 1,2,4-Trichlorobenzene	15.262	180	3160	0.428	ug/l	91
95) Naphthalene	15.498	128	12575	3.710	ug/l	97
96) 1,2,3-Trichlorobenzene	15.692	180	4055	0.553	ug/l	98

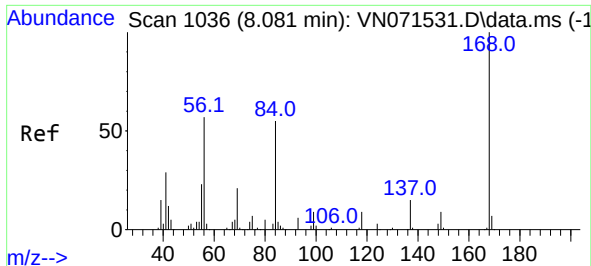
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032822\
Data File : VN071597.D
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Sample : VN0328WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

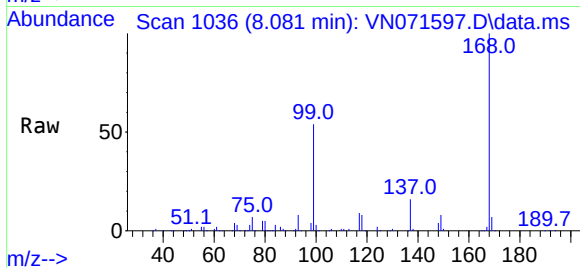
Quant Time: Mar 29 04:36:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032522W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 25 09:52:40 2022
Response via : Initial Calibration



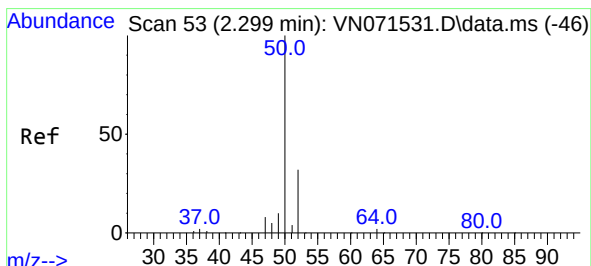
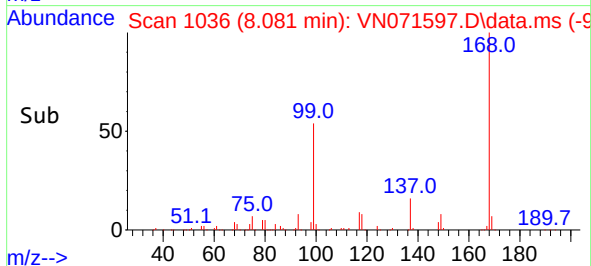
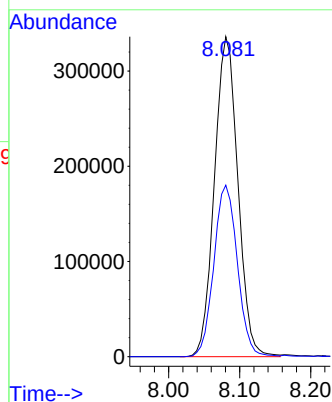


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

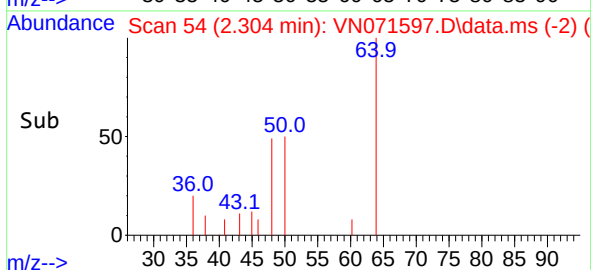
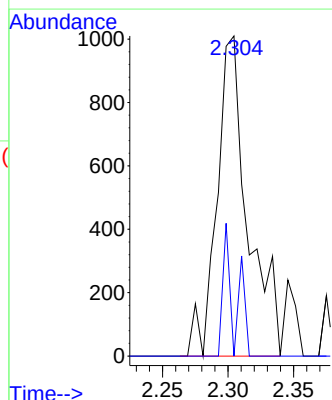
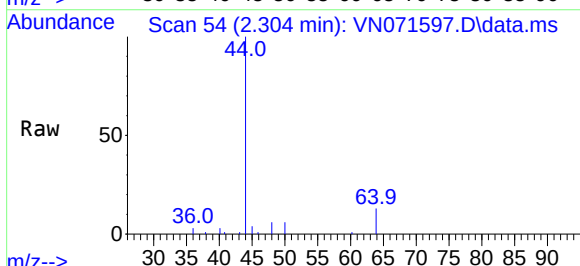


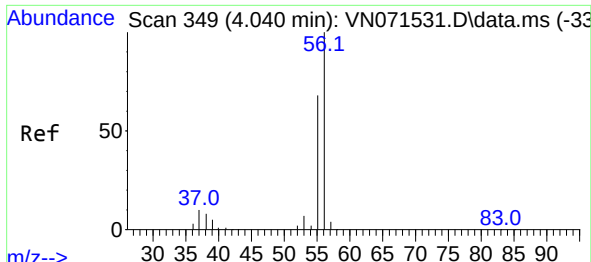
Tgt Ion:168 Resp: 769522
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

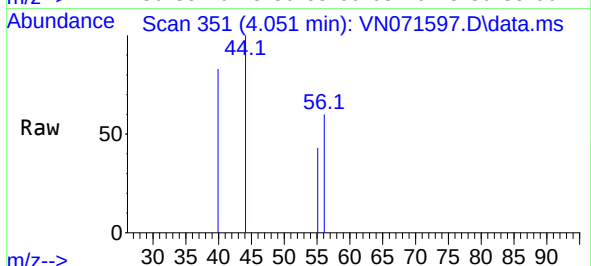
Tgt Ion: 50 Resp: 1659
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#



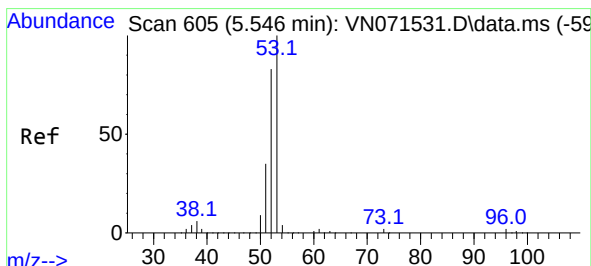
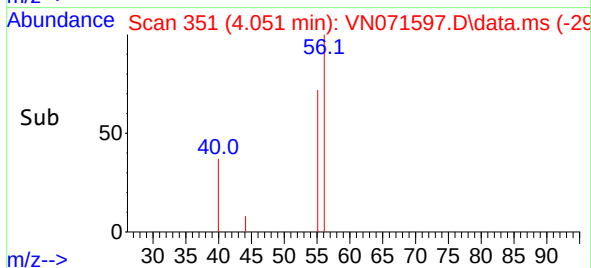
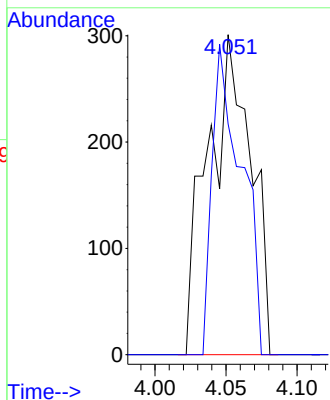


#13
Acrolein
Concen: 0.468 ug/l
RT: 4.051 min Scan# 31
Delta R.T. 0.011 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

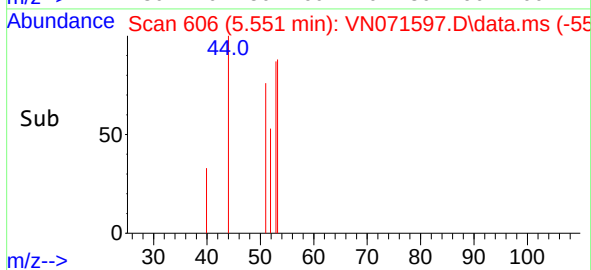
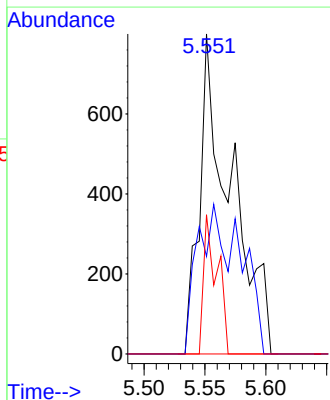
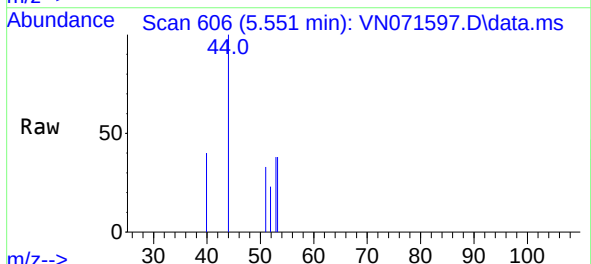


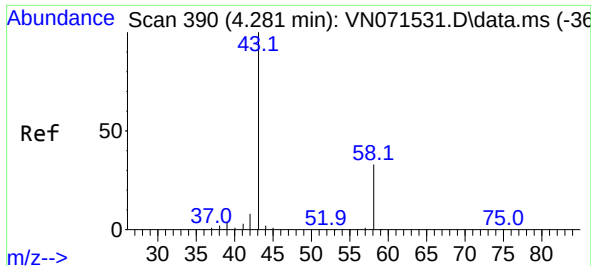
Tgt Ion: 56 Resp: 638
Ion Ratio Lower Upper
56 100
55 65.7 54.8 82.2



#15
Acrylonitrile
Concen: 0.297 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.005 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion: 53 Resp: 1438
Ion Ratio Lower Upper
53 100
52 40.2 66.4 99.6#
51 18.8 28.5 42.7#

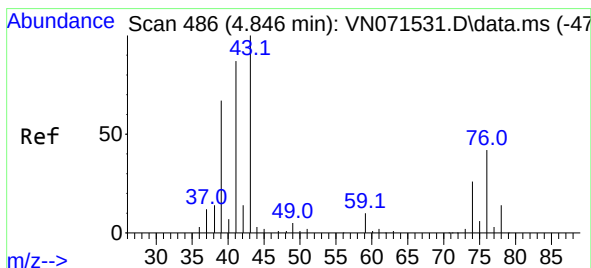
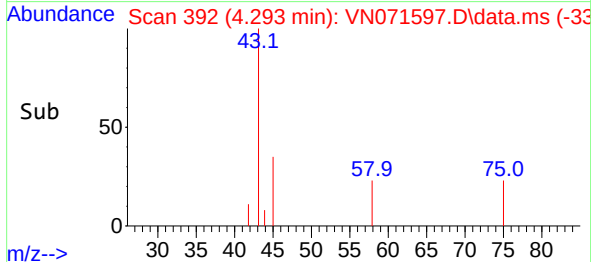
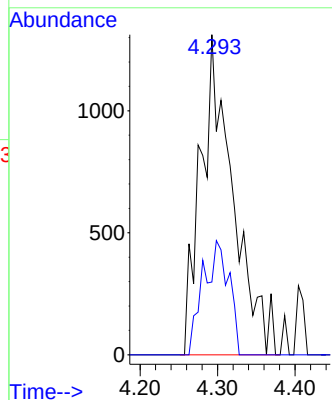
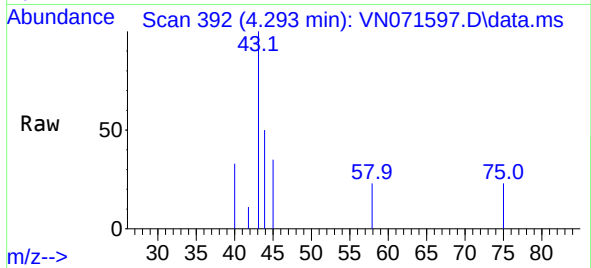




#16
Acetone
Concen: 0.970 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

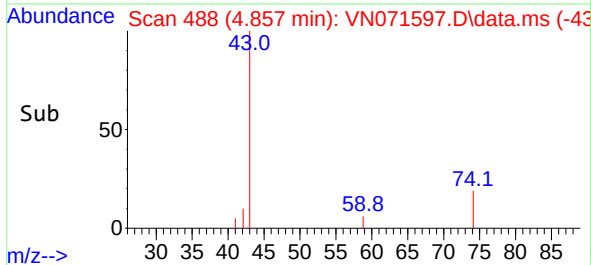
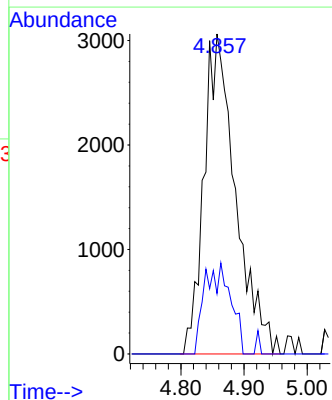
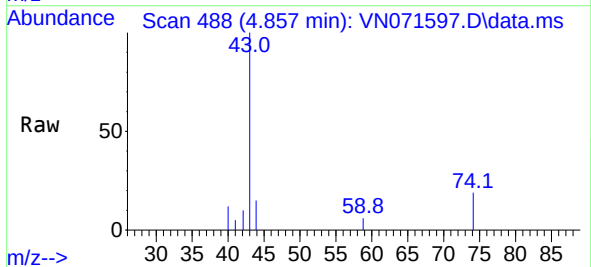
Instrument :
MSVOA_N
ClientSampleId :

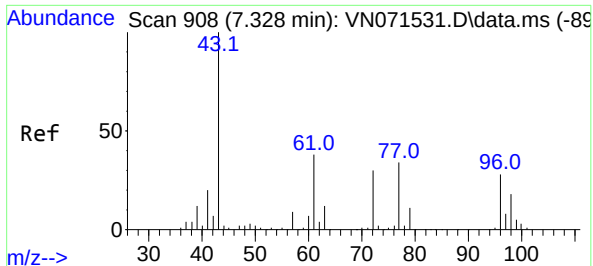
Tgt Ion: 43 Resp: 3803
Ion Ratio Lower Upper
43 100
58 22.7 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.011 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion: 43 Resp: 10690
Ion Ratio Lower Upper
43 100
74 12.0 21.6 32.4#





#25

2-Butanone

Concen: 0.237 ug/l

RT: 7.351 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071597.D

Acq: 28 Mar 2022 11:01

Instrument :

MSVOA_N

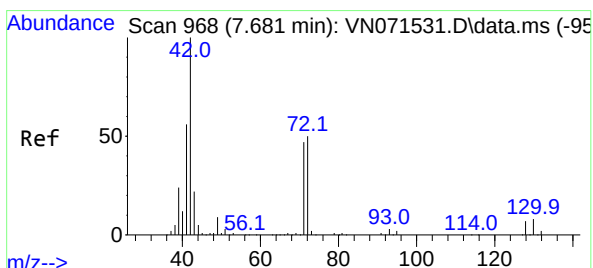
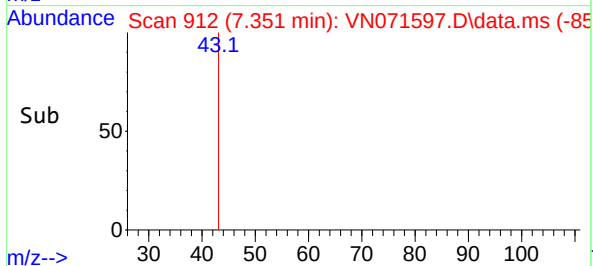
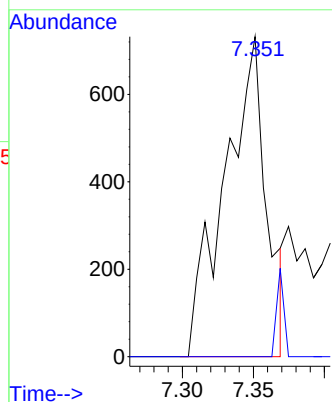
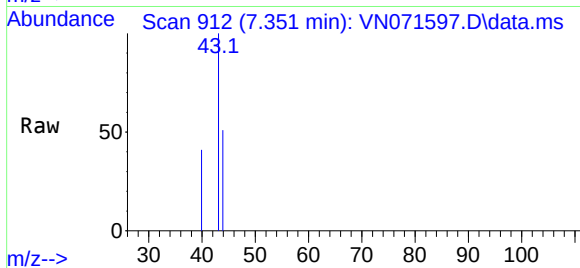
ClientSampleId :

Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.018 min

Lab File: VN071597.D

Acq: 28 Mar 2022 11:01

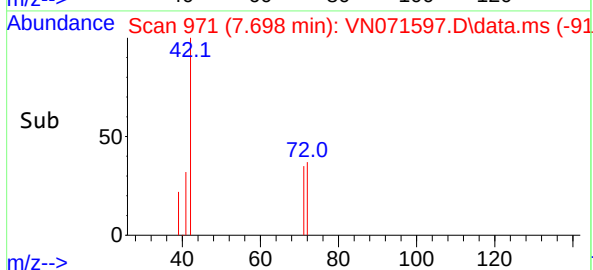
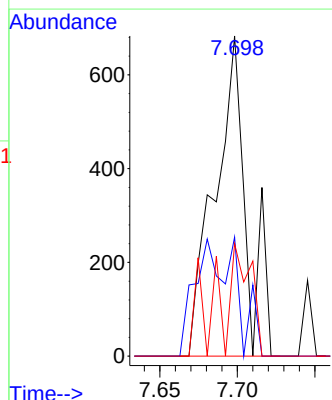
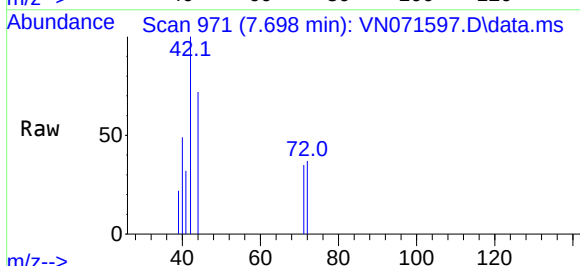
Tgt Ion: 42 Resp: 962

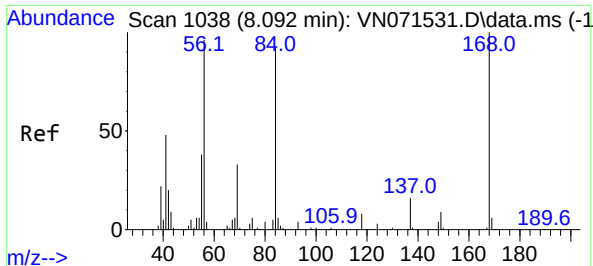
Ion Ratio Lower Upper

42 100

72 47.3 39.7 59.5

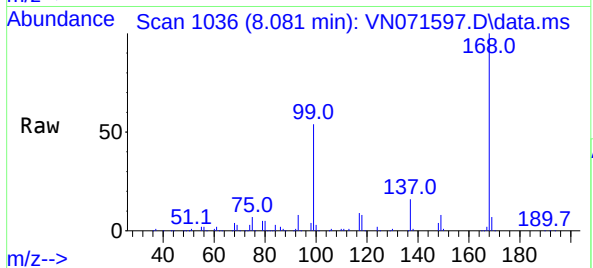
71 29.8 36.6 55.0#



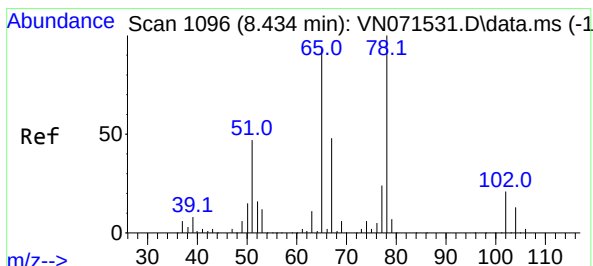
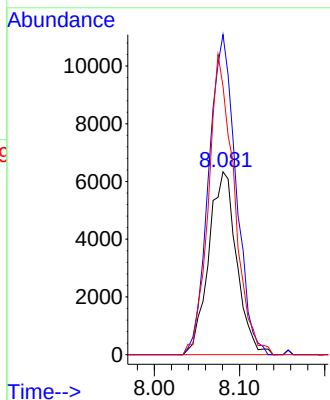
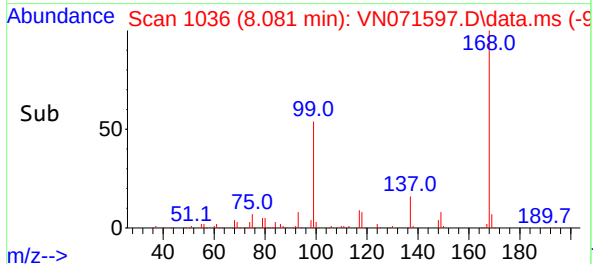


#31
Cyclohexane
Concen: 1.056 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

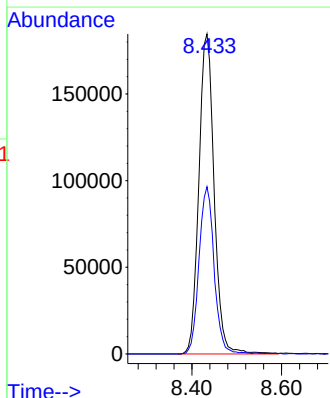
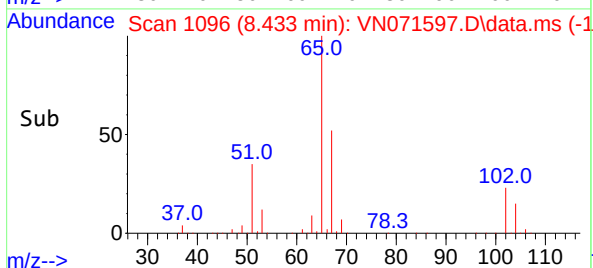
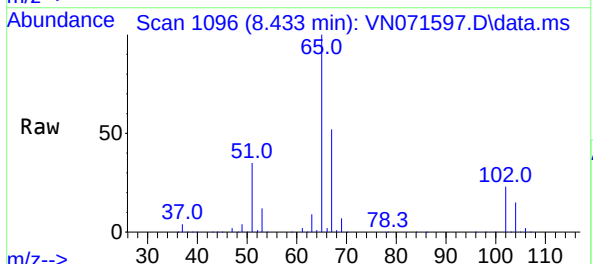


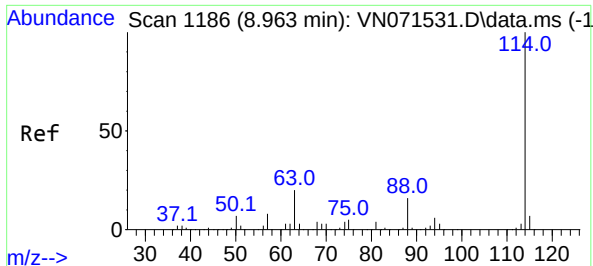
Tgt Ion: 56 Resp: 14447
Ion Ratio Lower Upper
56 100
69 175.0 27.8 41.8#
84 146.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 45.592 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

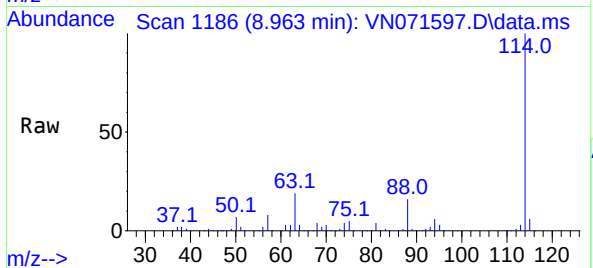
Tgt Ion: 65 Resp: 435881
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



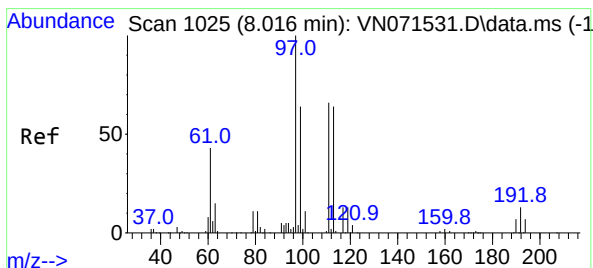
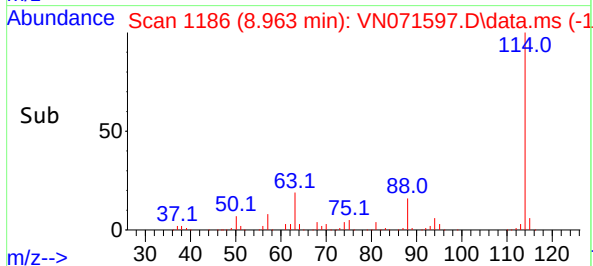
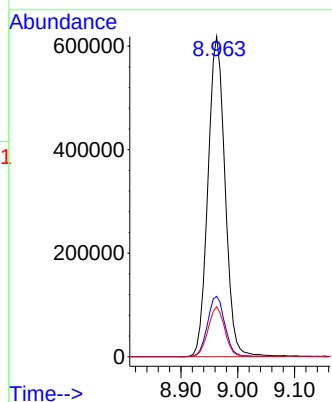


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

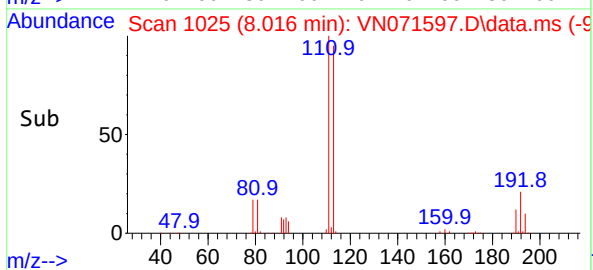
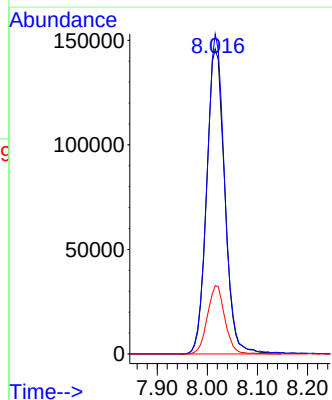
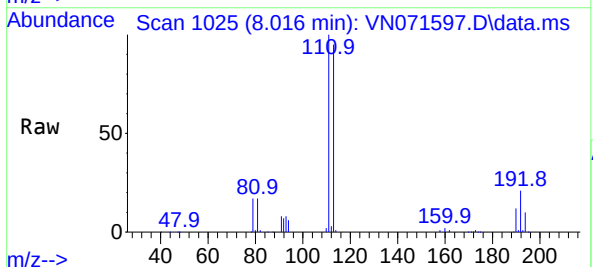


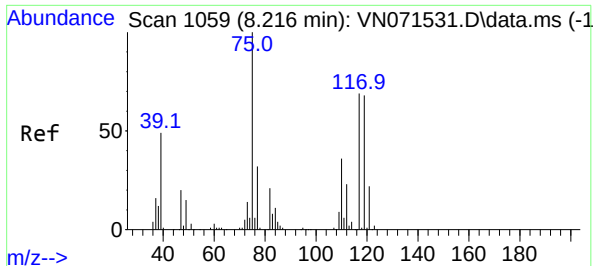
Tgt Ion:114 Resp: 1286149
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.0
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.318 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion:113 Resp: 366308
Ion Ratio Lower Upper
113 100
111 102.6 81.4 122.0
192 21.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071597.D

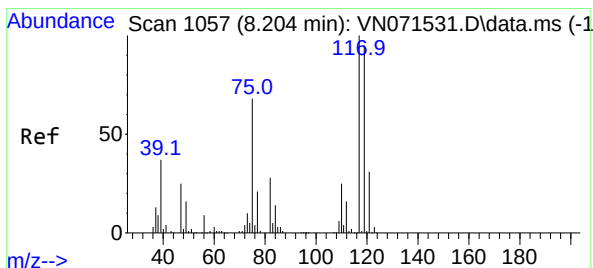
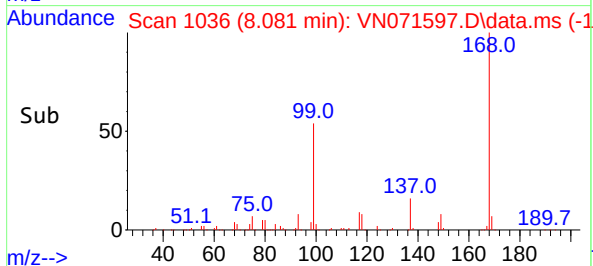
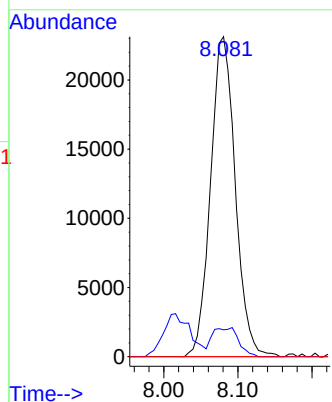
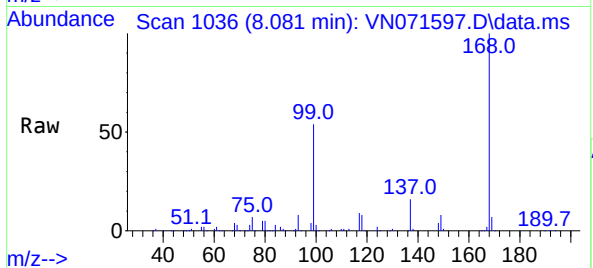
Acq: 28 Mar 2022 11:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	53690
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.196 ug/l

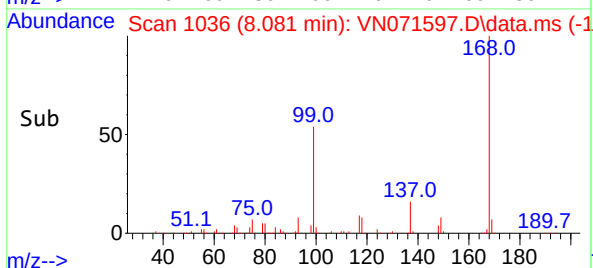
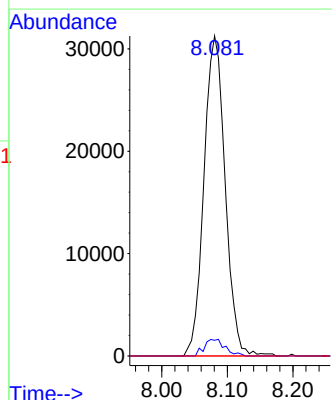
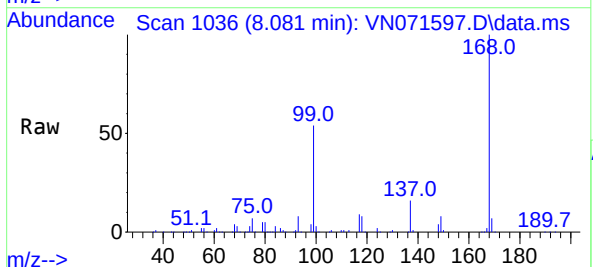
RT: 8.081 min Scan# 1036

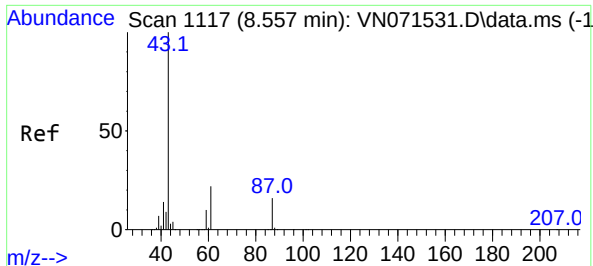
Delta R.T. -0.124 min

Lab File: VN071597.D

Acq: 28 Mar 2022 11:01

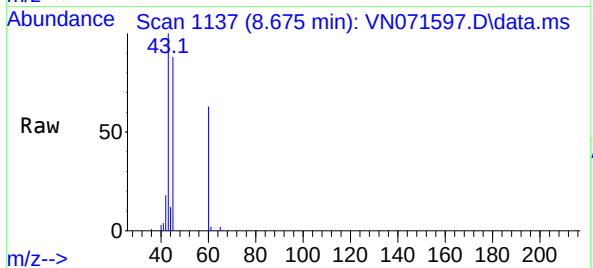
Tgt Ion:	117	Resp:	70394
Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.8	113.8#
121	0.0	24.6	37.0#



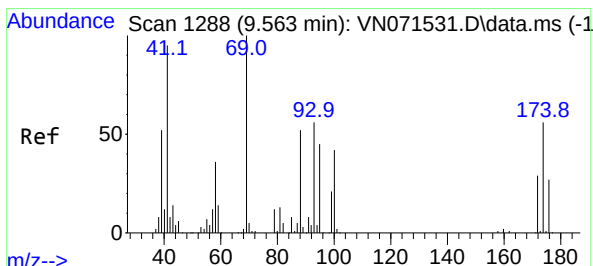
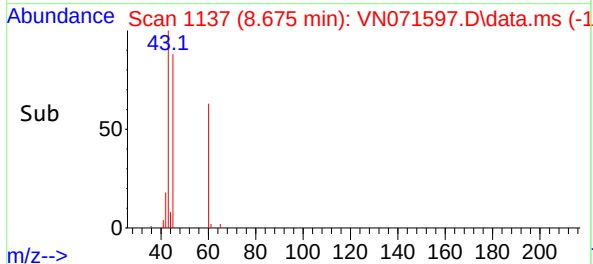
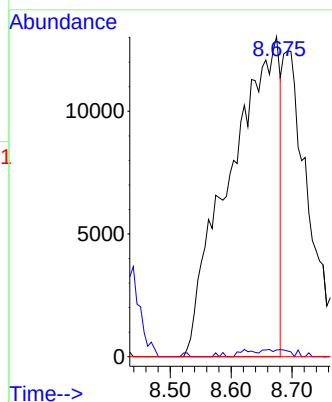


#43
Isopropyl Acetate
Concen: 3.254 ug/l
RT: 8.675 min Scan# 1117
Delta R.T. 0.118 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

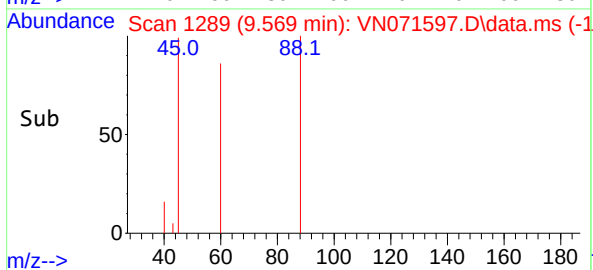
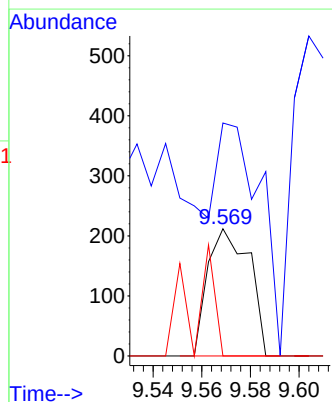
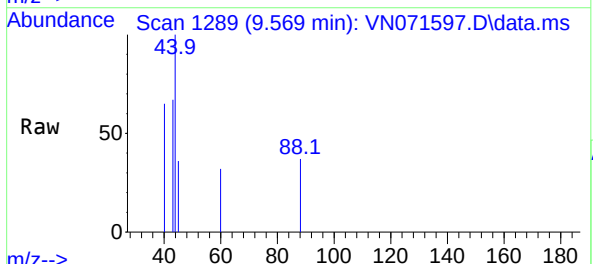


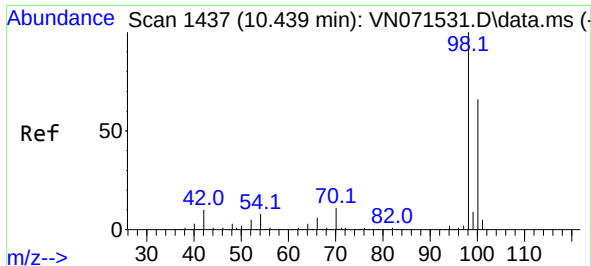
Tgt Ion: 43 Resp: 73810
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#49
1,4-Dioxane
Concen: 1.186 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. 0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion: 88 Resp: 251
Ion Ratio Lower Upper
88 100
43 188.0 20.2 30.4#
58 0.0 54.2 81.4#

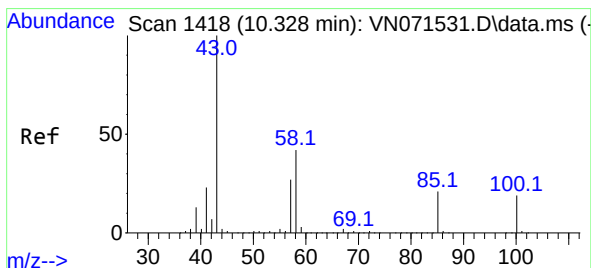
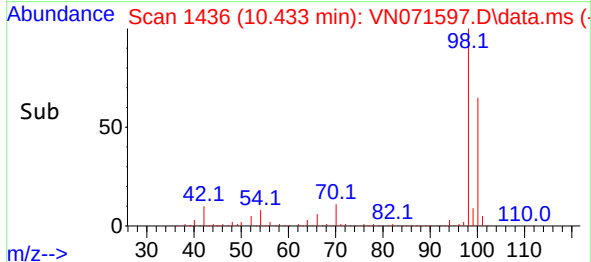
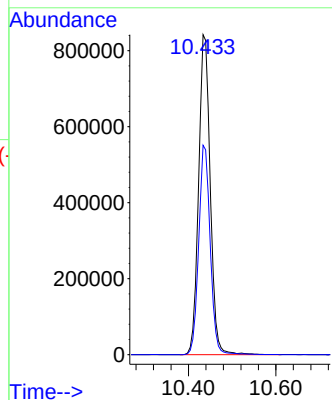
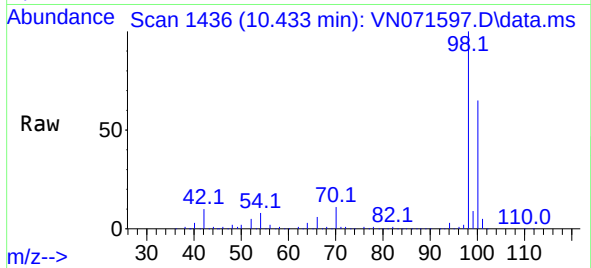




#50
Toluene-d8
Concen: 47.918 ug/l
RT: 10.433 min Scan# 1437
Delta R.T. -0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

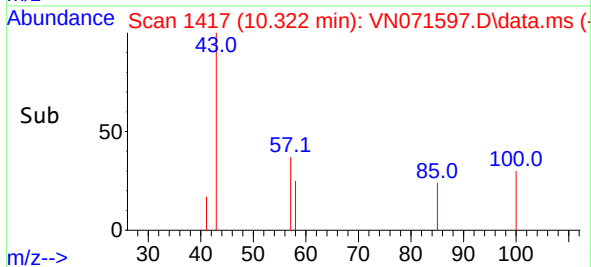
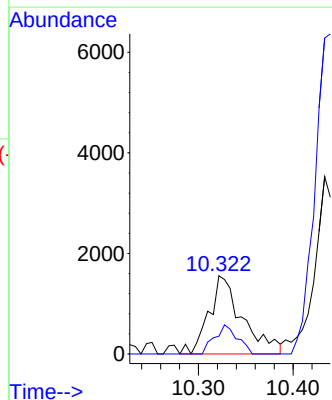
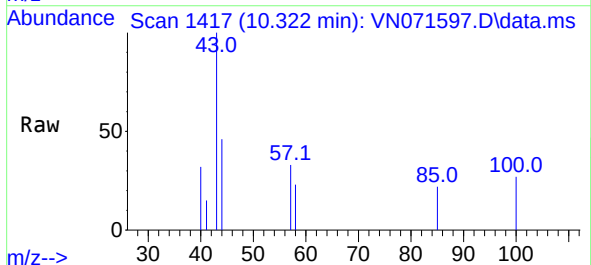
Instrument :
MSVOA_N
ClientSampleId :

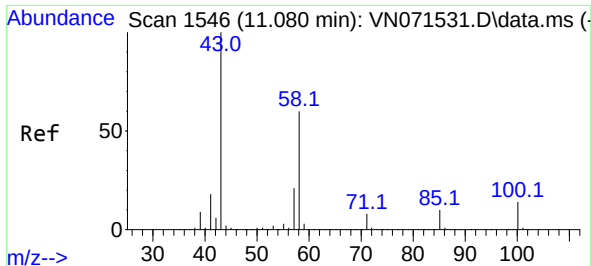
Tgt Ion: 98 Resp: 1562280
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.300 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion: 43 Resp: 3811
Ion Ratio Lower Upper
43 100
58 25.4 34.1 51.1#

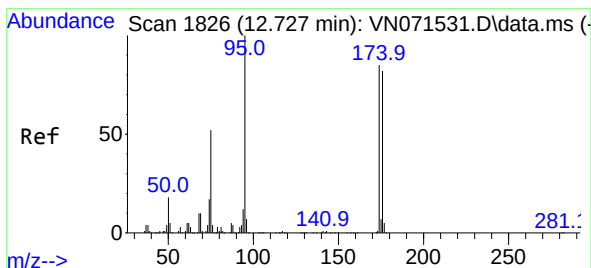
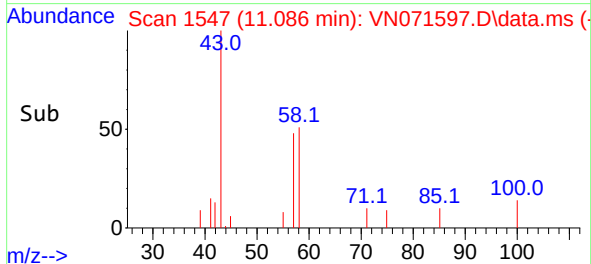
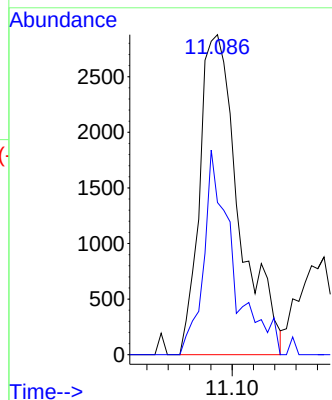
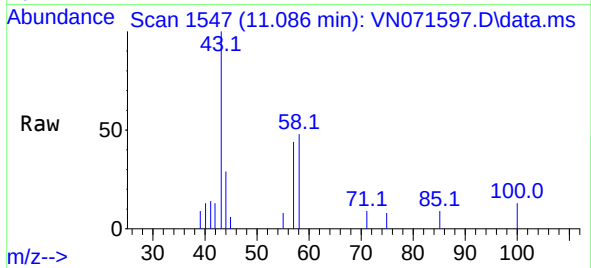




#59
2-Hexanone
Concen: 0.809 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

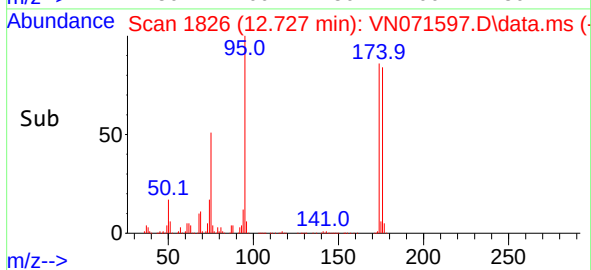
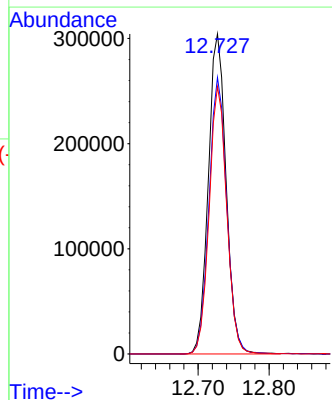
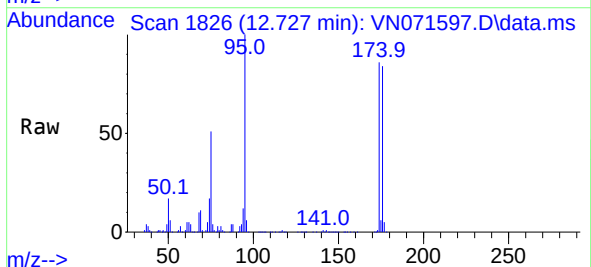
Instrument :
MSVOA_N
ClientSampleId :

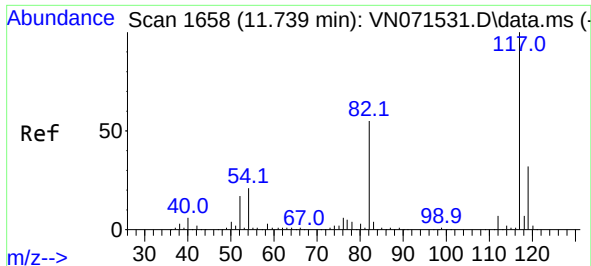
Tgt Ion: 43 Resp: 7420
Ion Ratio Lower Upper
43 100
58 47.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.544 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

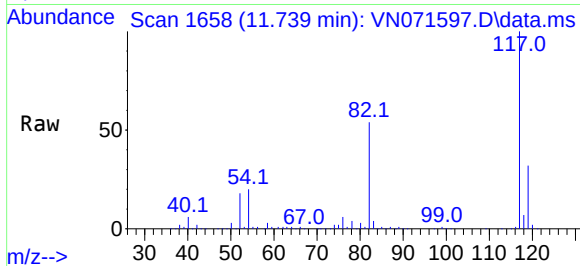
Tgt Ion: 95 Resp: 529268
Ion Ratio Lower Upper
95 100
174 86.5 0.0 167.6
176 82.8 0.0 163.4



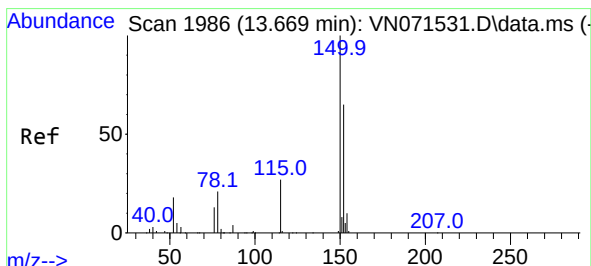
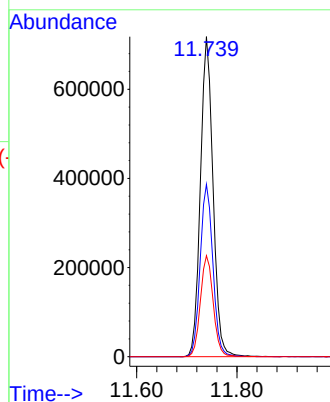
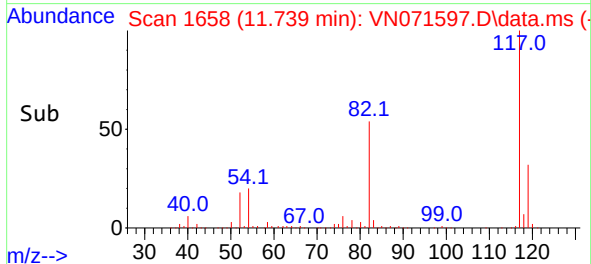


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

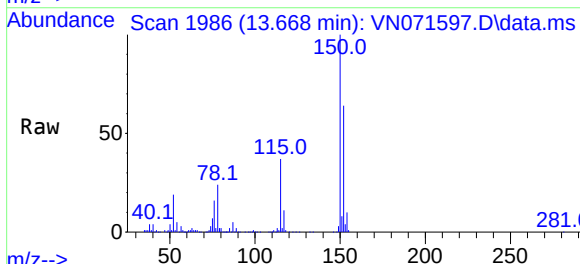
Instrument :
MSVOA_N
ClientSampleId :



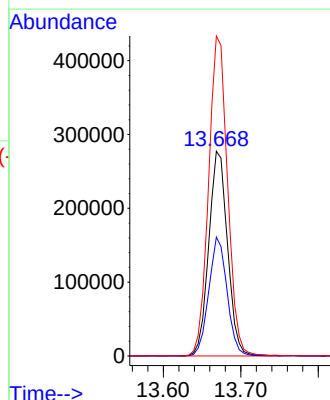
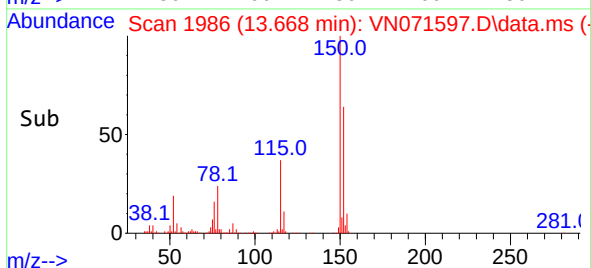
Tgt Ion:117 Resp: 1252477
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 31.6 25.4 38.0

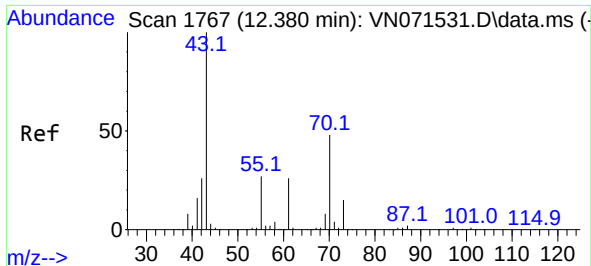


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01



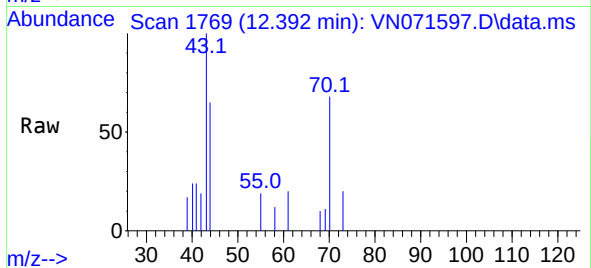
Tgt Ion:152 Resp: 466700
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.1 0.0 356.2





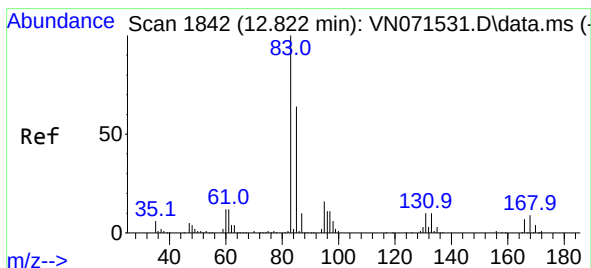
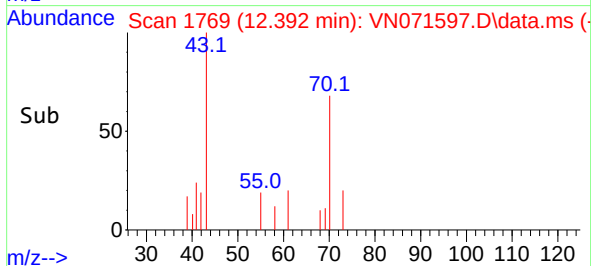
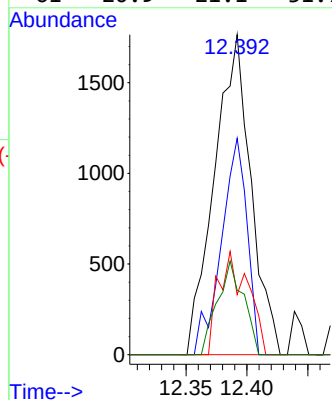
#74
N-amy1 acetate
Concen: 0.278 ug/l
RT: 12.392 min Scan# 1769
Delta R.T. 0.012 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 43 Resp: 3682

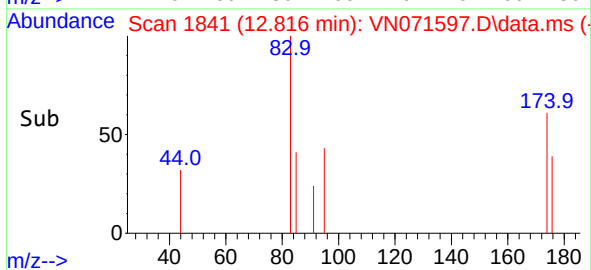
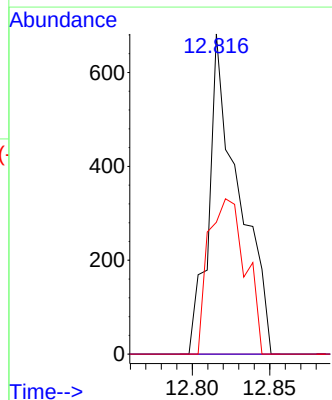
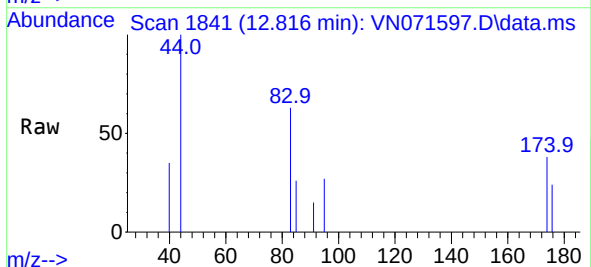
Ion	Ratio	Lower	Upper
43	100		
70	47.7	39.0	58.4
55	25.9	21.1	31.7
61	20.9	21.1	31.7

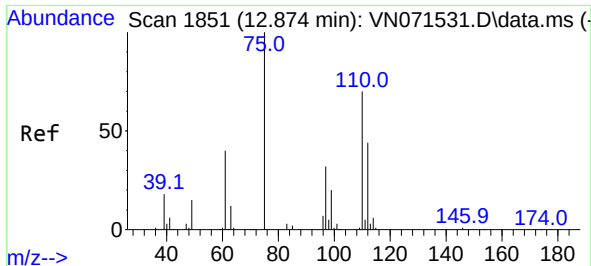


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.816 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Tgt Ion: 83 Resp: 917

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.3	15.9
85	59.7	32.3	96.9

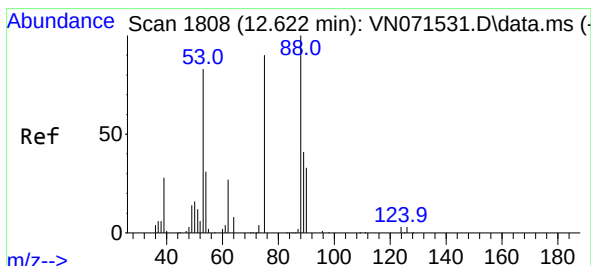
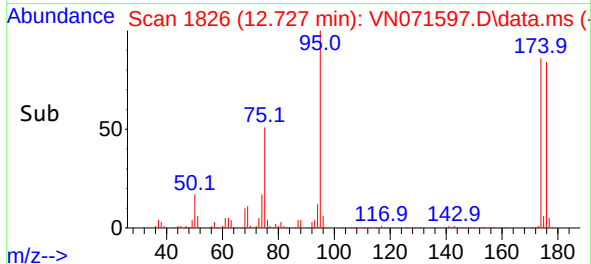
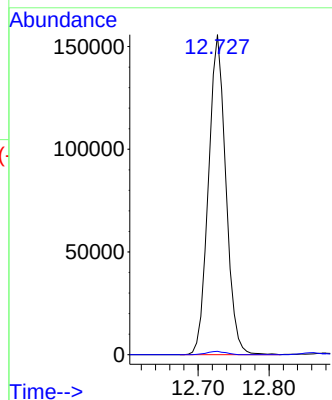
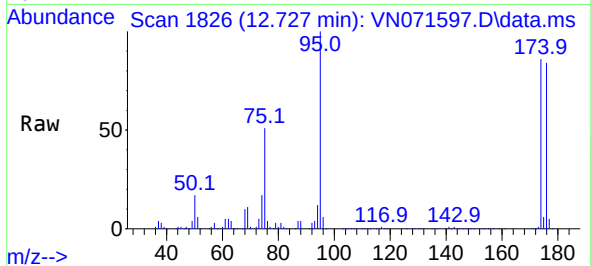




#76
1,2,3-Trichloropropane
Concen: 25.525 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

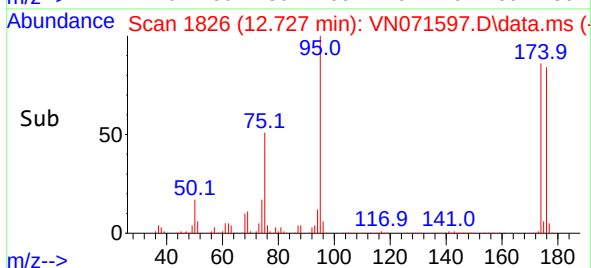
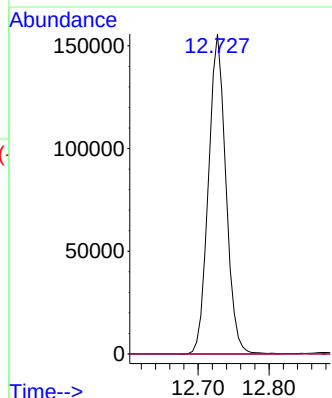
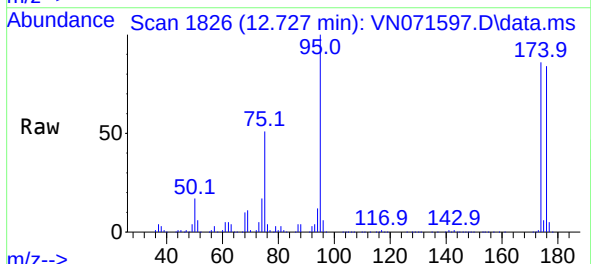
Instrument :
MSVOA_N
ClientSampleId :

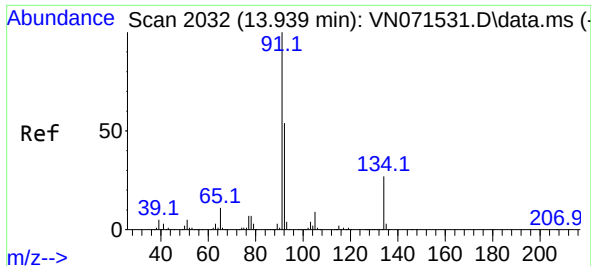
Tgt Ion: 75 Resp: 265637
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.338 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

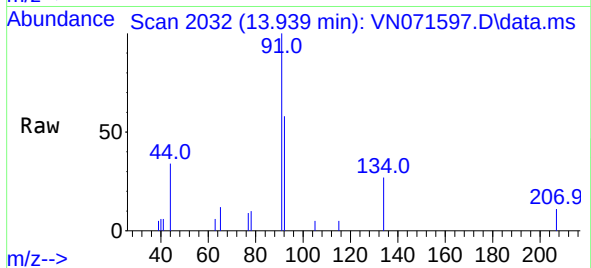
Tgt Ion: 75 Resp: 265637
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



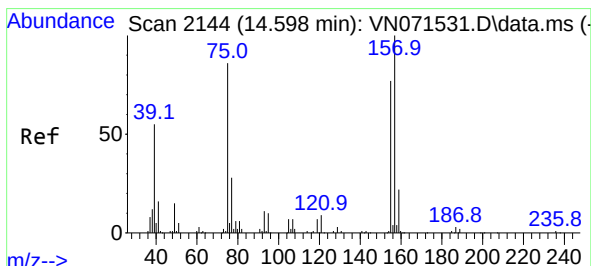
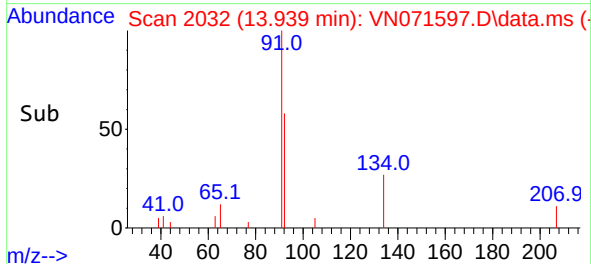
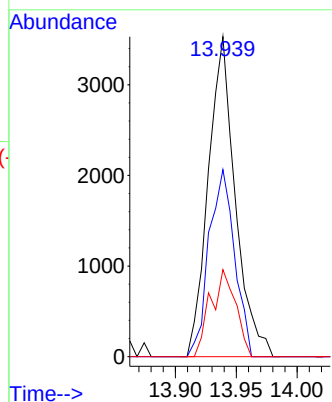


#89
n-Butylbenzene
Concen: 0.230 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

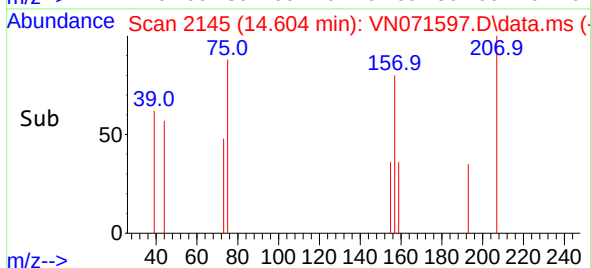
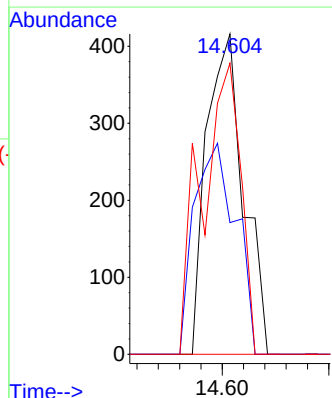
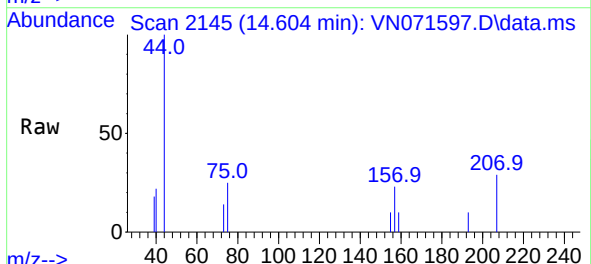


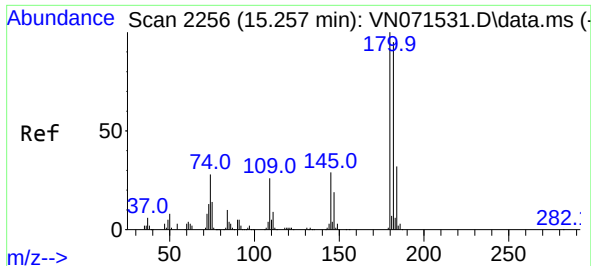
Tgt Ion: 91 Resp: 5459
Ion Ratio Lower Upper
91 100
92 55.3 26.9 80.7
134 25.2 13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.206 ug/l
RT: 14.604 min Scan# 2145
Delta R.T. 0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

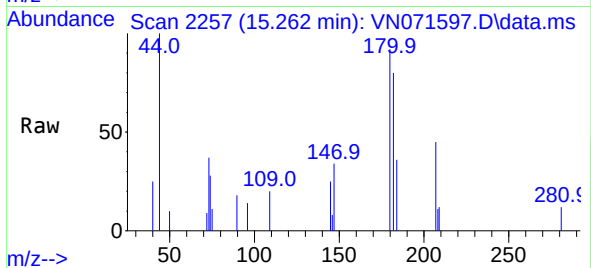
Tgt Ion: 75 Resp: 501
Ion Ratio Lower Upper
75 100
155 74.1 44.9 134.5
157 95.0 59.0 176.8



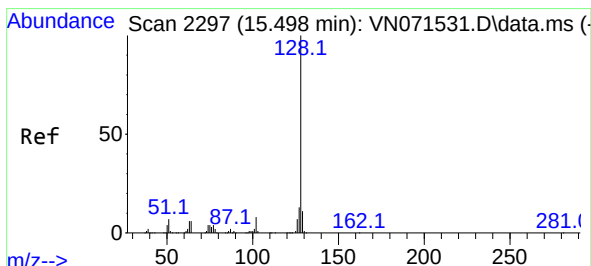
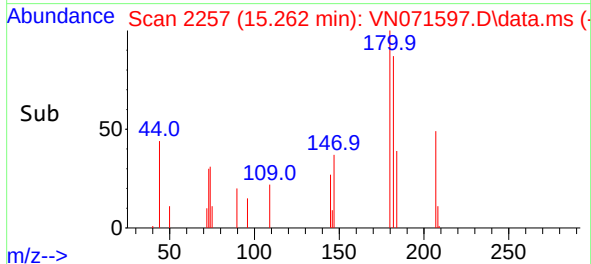
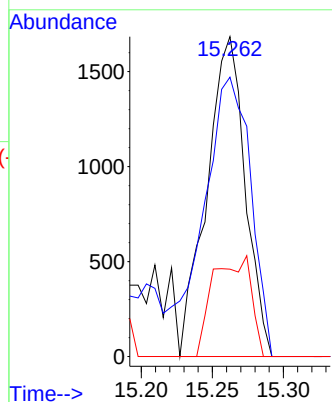


#93
1,2,4-Trichlorobenzene
Concen: 0.428 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

Instrument :
MSVOA_N
ClientSampleId :

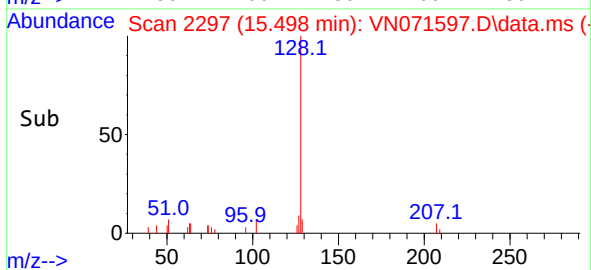
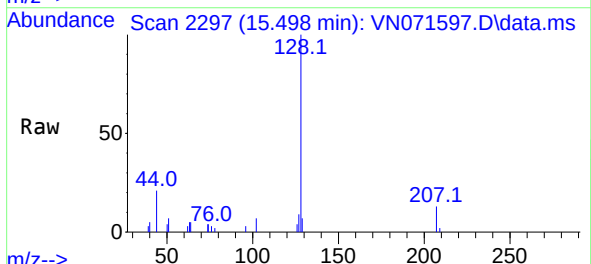
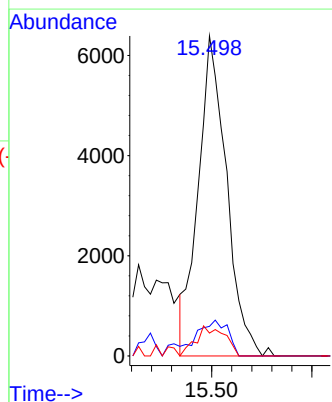


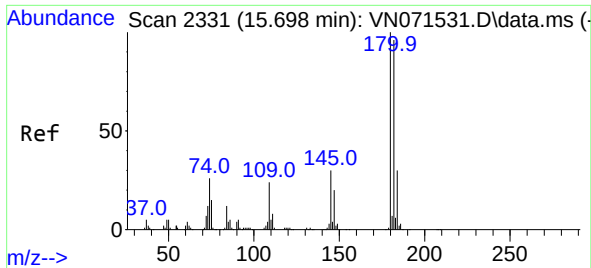
Tgt Ion:180 Resp: 3160
Ion Ratio Lower Upper
180 100
182 105.7 47.5 142.5
145 31.2 14.5 43.5



#95
Naphthalene
Concen: 3.710 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071597.D
Acq: 28 Mar 2022 11:01

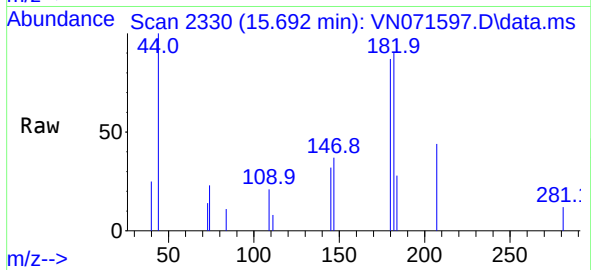
Tgt Ion:128 Resp: 12575
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 9.4 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.553 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071597.D
 Acq: 28 Mar 2022 11:01

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	4055
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.8	143.3
145	31.9	15.5	46.5

