

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072852.D
 Acq On : 15 Jun 2022 00:16
 Operator : JC\MD
 Sample : PB145494ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#04

Quant Time: Jun 15 04:37:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 15 04:13:32 2022
 Response via : Initial Calibration

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

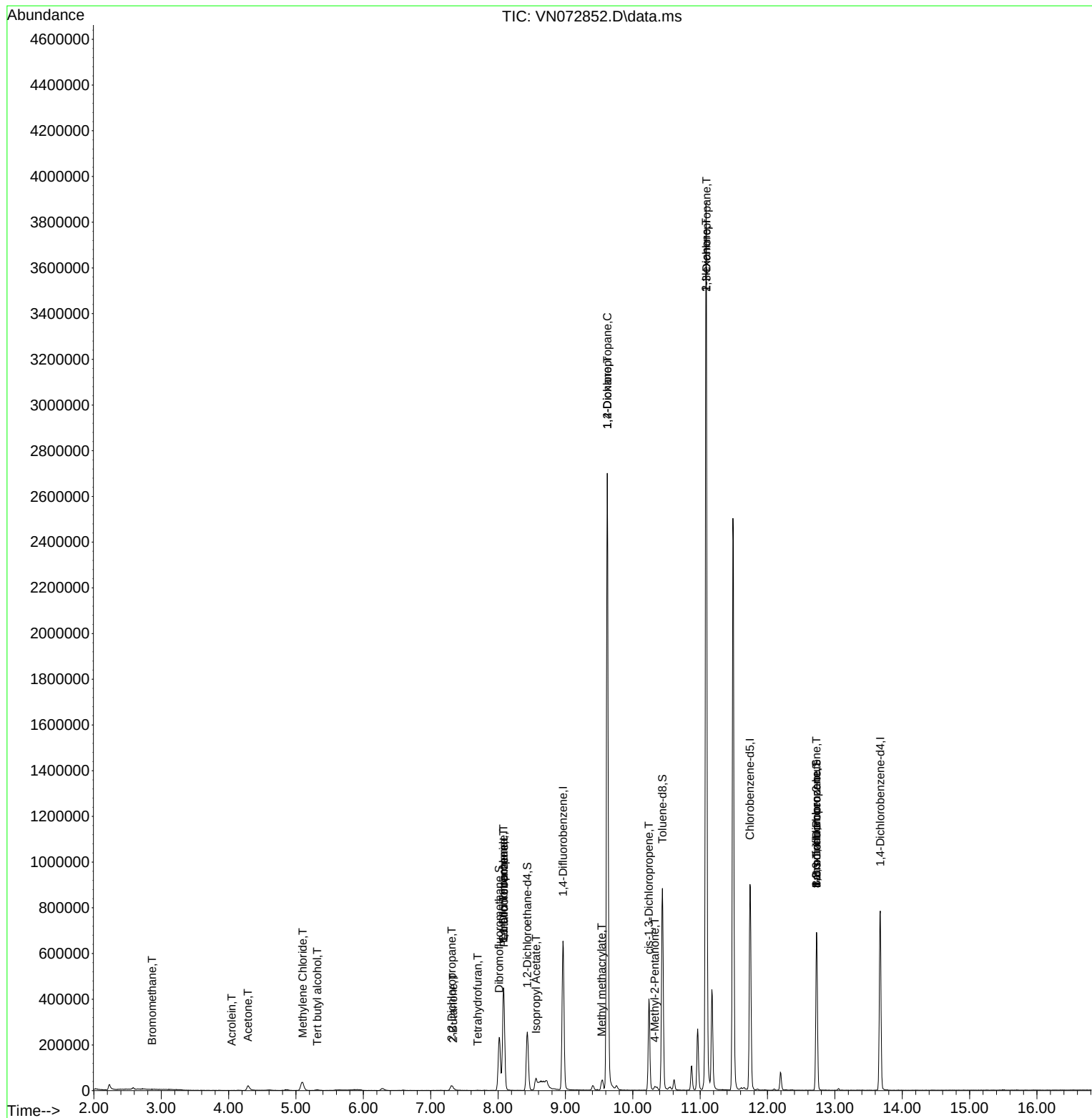
Internal Standards						
1) Pentafluorobenzene	8.086	168	321717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	558234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	513337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	210228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	213623	42.873	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	85.740%
35) Dibromofluoromethane	8.016	113	173228	50.121	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.240%
50) Toluene-d8	10.439	98	601320	44.086	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	88.180%
62) 4-Bromofluorobenzene	12.727	95	244892	53.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	637	Below Cal	#	69
5) Bromomethane	2.863	94	263	0.236	ug/l #	2
6) Chloroethane	3.040	64	175	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	2201	0.365	ug/l #	72
13) Acrolein	4.045	56	177	0.313	ug/l #	16
16) Acetone	4.287	43	39574	14.211	ug/l	93
17) Carbon Disulfide	4.540	76	129	Below Cal	#	75
18) Methyl Acetate	4.851	43	8347	Below Cal	#	61
20) Methylene Chloride	5.098	84	28272	6.403	ug/l	87
25) 2-Butanone	7.334	43	9804	2.222	ug/l #	84
26) 2,2-Dichloropropane	7.310	77	1195	0.229	ug/l #	53
29) Tetrahydrofuran	7.698	42	1195	0.424	ug/l #	44
31) Cyclohexane	8.081	56	8273	Below Cal	#	14
36) 1,1-Dichloropropene	8.081	75	29460	6.382	ug/l #	50
38) Carbon Tetrachloride	8.081	117	34385	7.462	ug/l #	16
43) Isopropyl Acetate	8.563	43	68938	6.008	ug/l #	77
45) 1,2-Dichloropropane	9.622	63	2885	0.710	ug/l #	44
48) Methyl methacrylate	9.539	41	13255	2.423	ug/l #	10
49) 1,4-Dioxane	9.622	88	396	3.569	ug/l #	1
51) 4-Methyl-2-Pentanone	10.327	43	8839	1.124	ug/l	88
54) cis-1,3-Dichloropropene	10.239	75	69689	11.909	ug/l #	66
57) 1,3-Dichloropropane	11.092	76	40913	5.817	ug/l #	42
59) 2-Hexanone	11.086	43	660946	111.940	ug/l #	44
71) Bromoform	12.727	173	1808	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	129768	21.400	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	129768	66.552	ug/l #	10

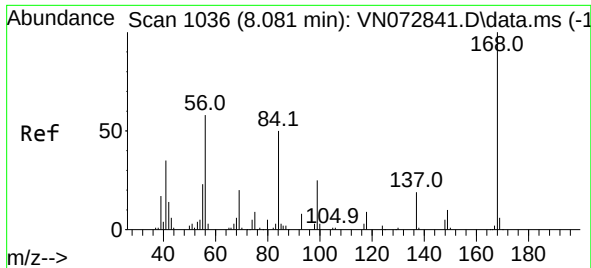
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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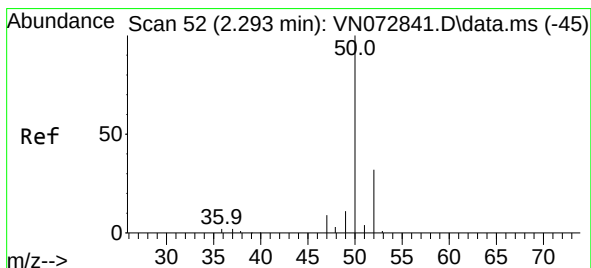
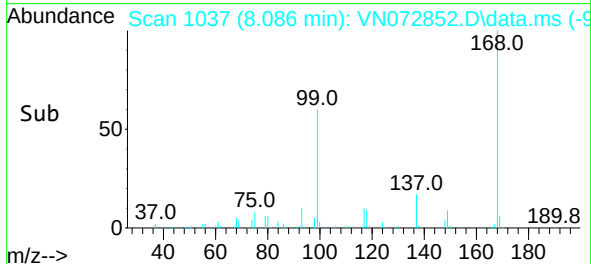
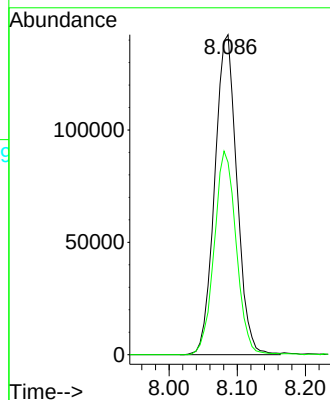
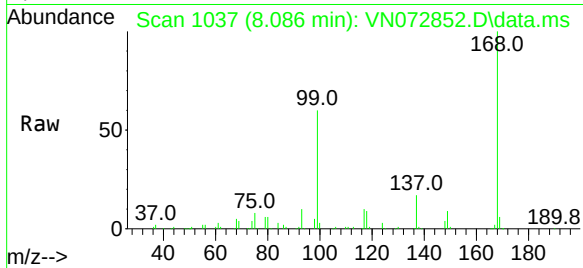




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

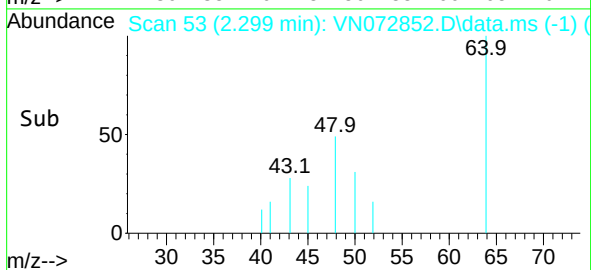
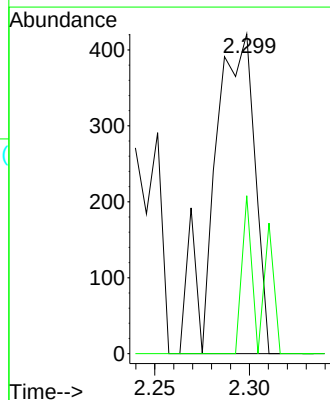
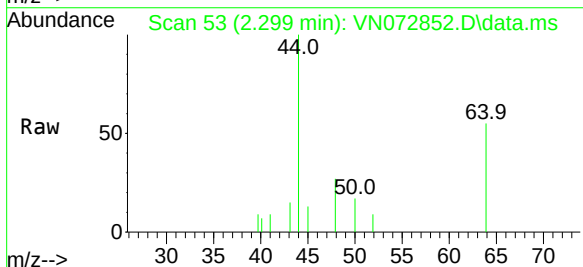
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

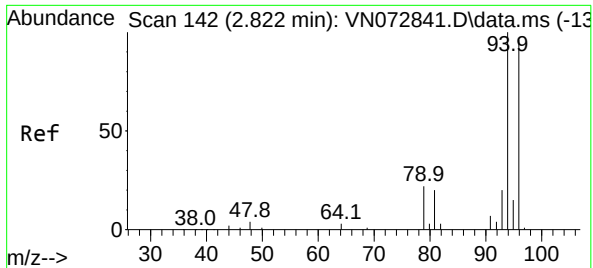
Tgt Ion:168 Resp: 321717
Ion Ratio Lower Upper
168 100
99 60.1 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

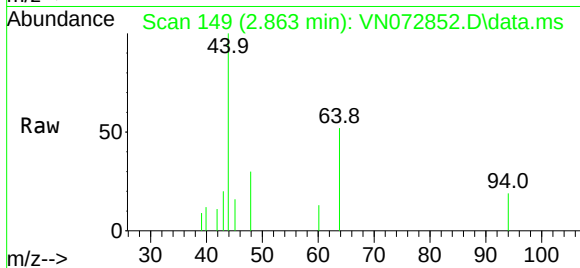
Tgt Ion: 50 Resp: 637
Ion Ratio Lower Upper
50 100
52 49.4 25.7 38.5#



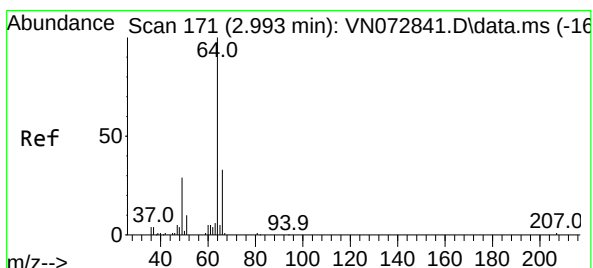
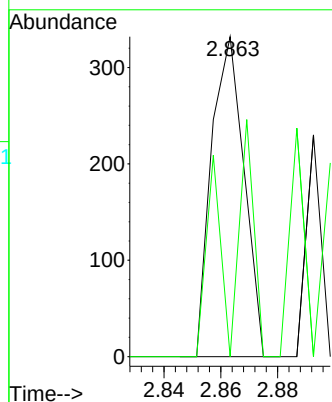
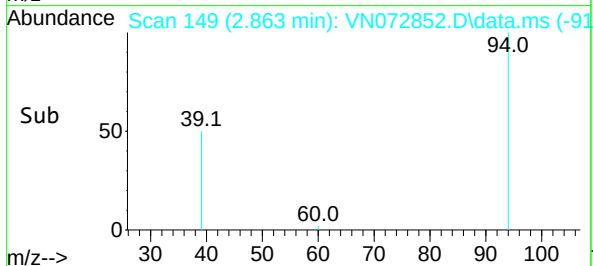


#5
Bromomethane
Concen: 0.236 ug/l
RT: 2.863 min Scan# 14
Delta R.T. 0.041 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

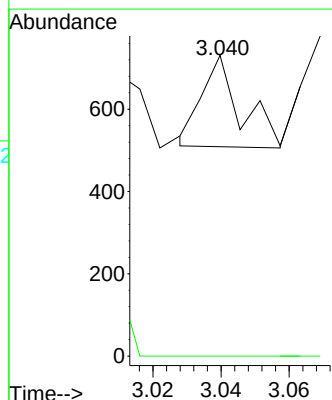
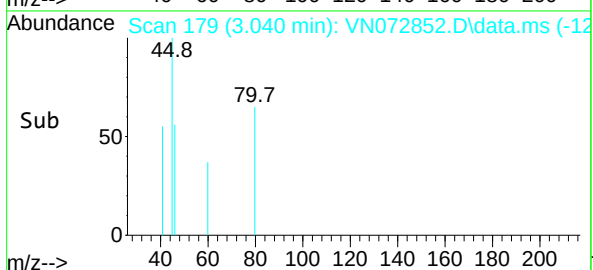
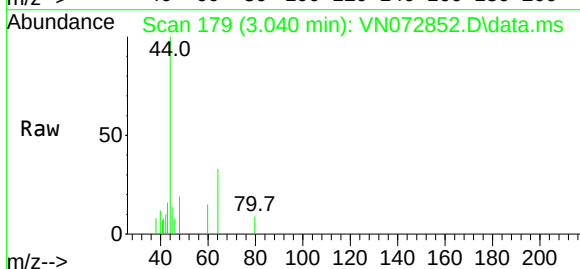


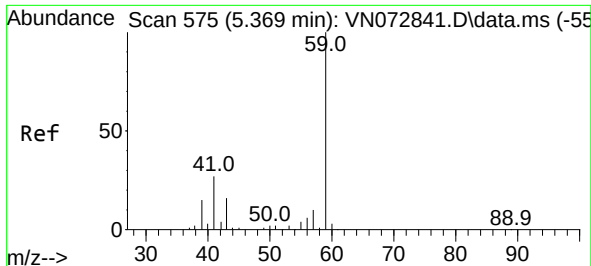
Tgt Ion: 94 Resp: 263
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 3.040 min Scan# 179
Delta R.T. 0.047 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

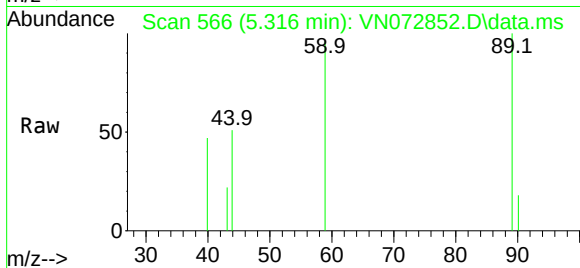
Tgt Ion: 64 Resp: 175
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



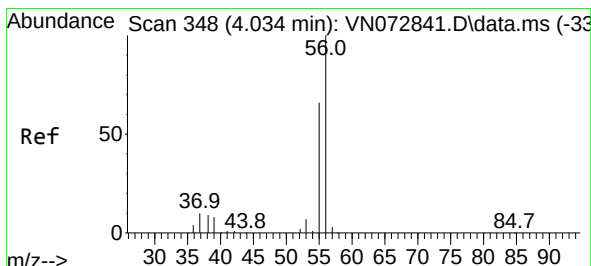
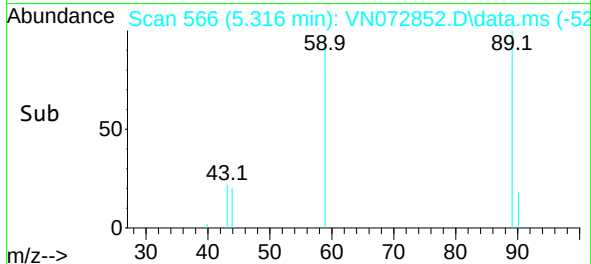
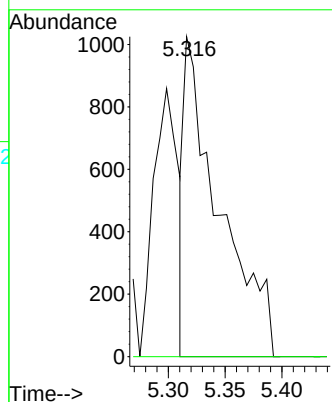


#11
Tert butyl alcohol
Concen: 0.365 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.053 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

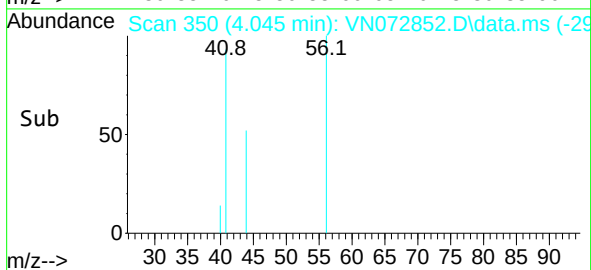
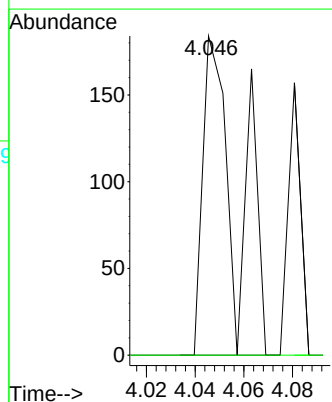
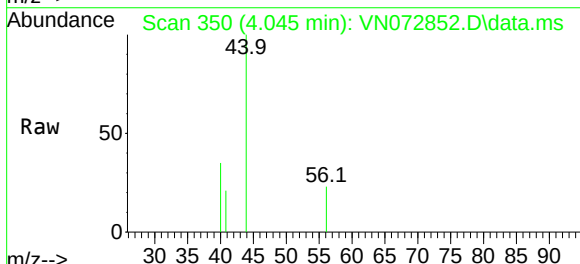


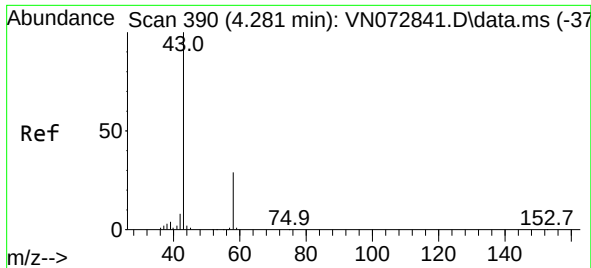
Tgt Ion: 59 Resp: 2201
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.313 ug/l
RT: 4.045 min Scan# 350
Delta R.T. 0.011 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 56 Resp: 177
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

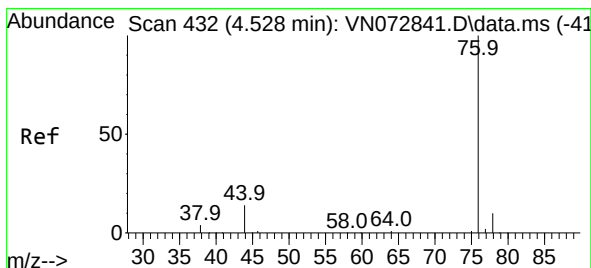
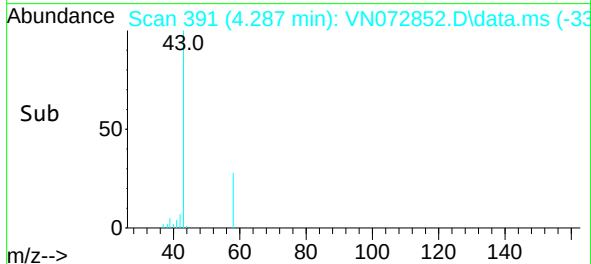
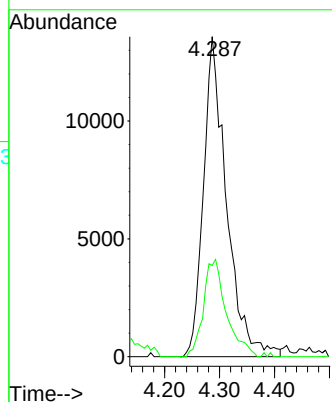
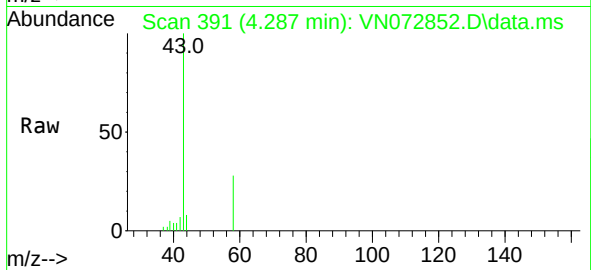




#16
Acetone
Concen: 14.211 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

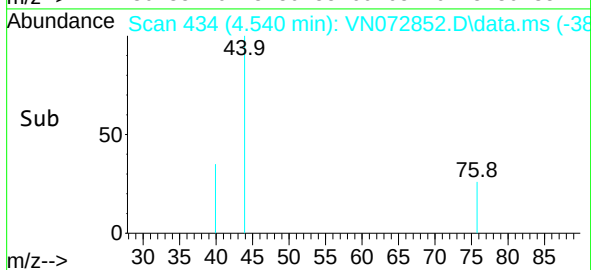
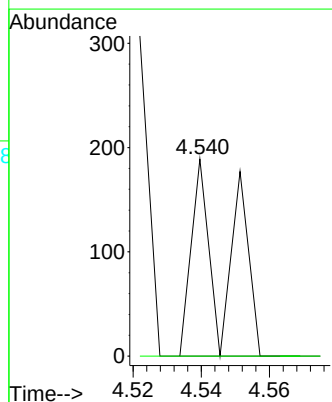
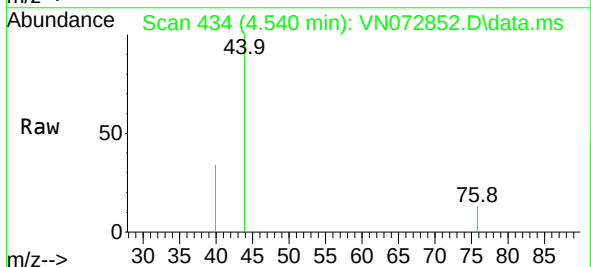
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

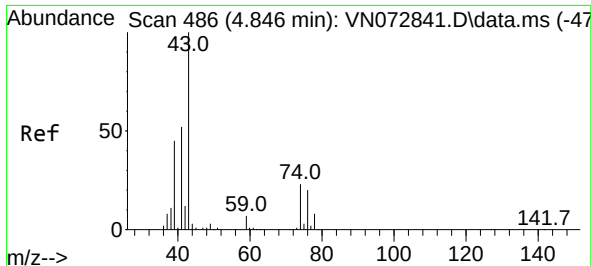
Tgt Ion: 43 Resp: 39574
Ion Ratio Lower Upper
43 100
58 28.5 26.0 39.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.540 min Scan# 434
Delta R.T. 0.012 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 76 Resp: 129
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

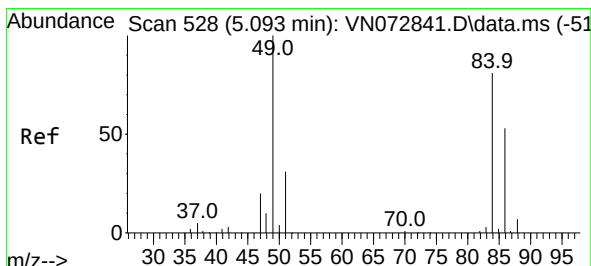
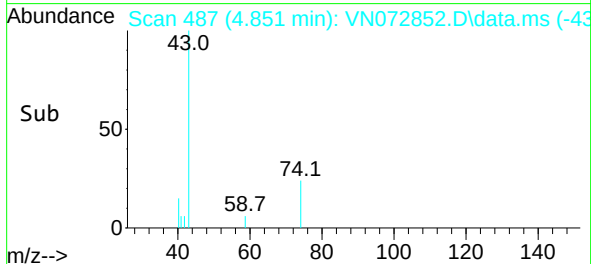
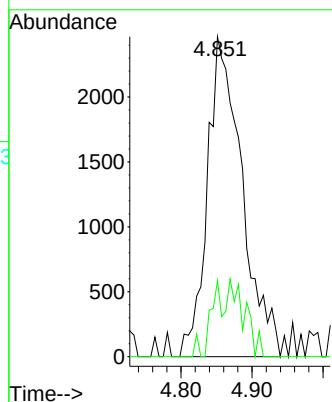
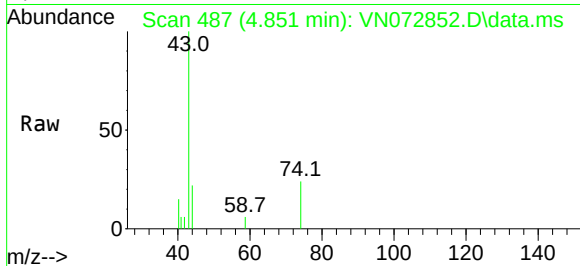




#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

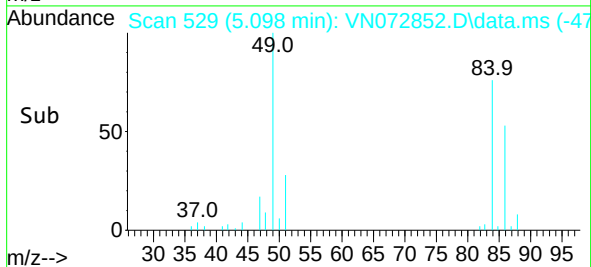
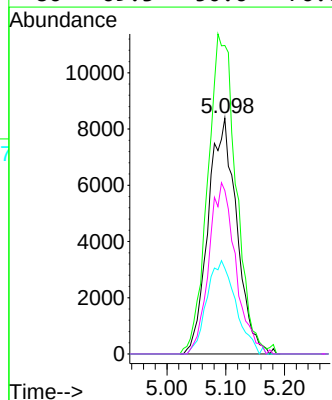
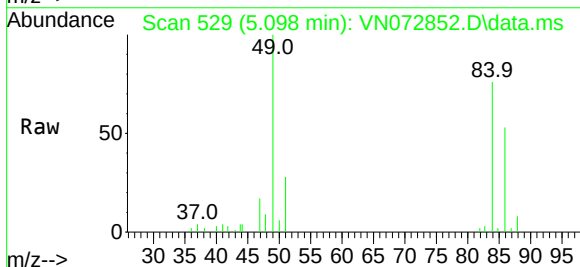
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

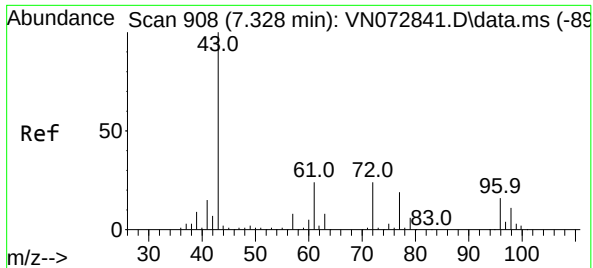
Tgt Ion: 43 Resp: 8347
Ion Ratio Lower Upper
43 100
74 6.9 21.6 32.4#



#20
Methylene Chloride
Concen: 6.403 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 84 Resp: 28272
Ion Ratio Lower Upper
84 100
49 130.8 88.3 132.5
51 36.3 28.2 42.2
86 69.3 50.6 76.0

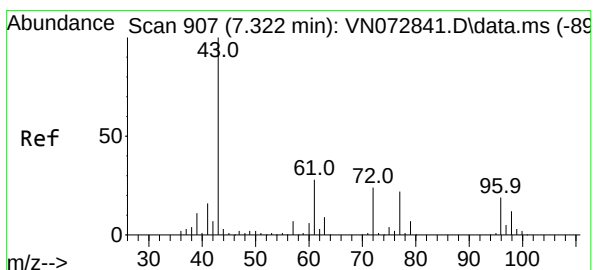
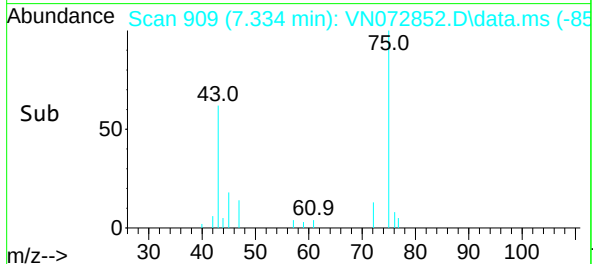
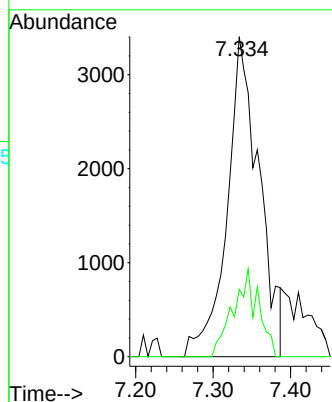
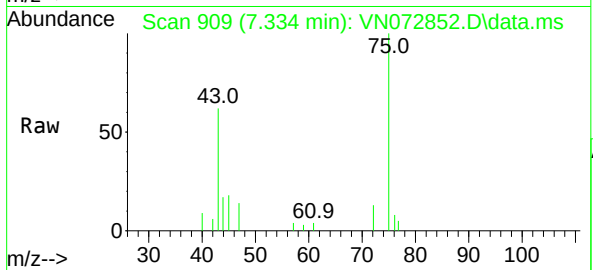




#25
2-Butanone
Concen: 2.222 ug/l
RT: 7.334 min Scan# 904
Delta R.T. 0.006 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

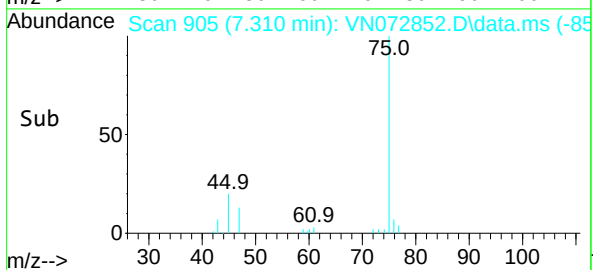
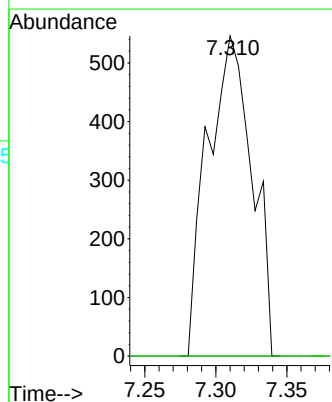
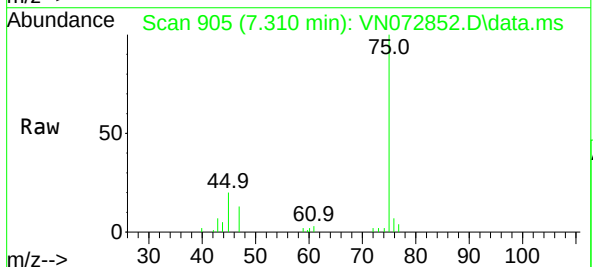
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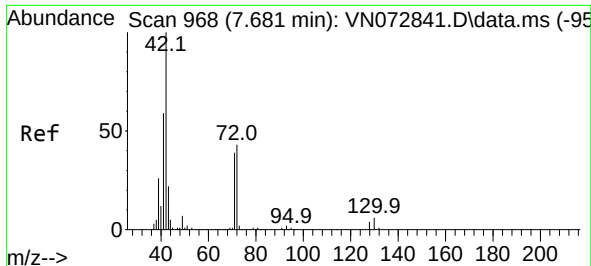
Tgt Ion: 43 Resp: 9804
Ion Ratio Lower Upper
43 100
72 21.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.229 ug/l
RT: 7.310 min Scan# 905
Delta R.T. -0.012 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 77 Resp: 1195
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN072852.D

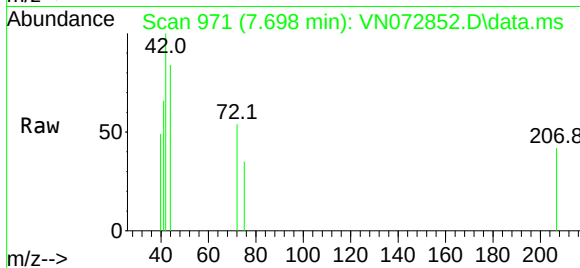
Acq: 15 Jun 2022 00:16

Instrument :

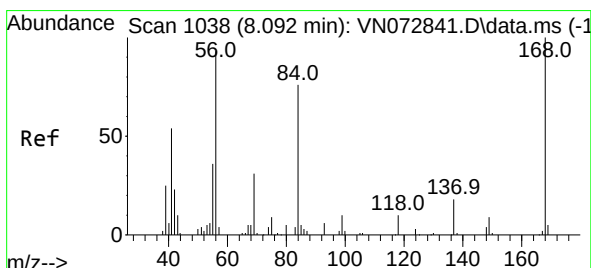
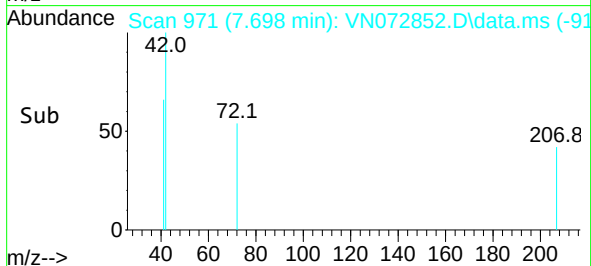
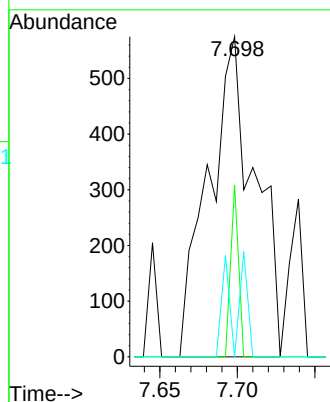
MSVOA_N

ClientSampleId :

PB145494ZHE#04



Tgt Ion:	42	Resp:	1195
Ion	Ratio	Lower	Upper
42	100		
72	9.1	39.7	59.5#
71	11.0	36.6	55.0#



#31

Cyclohexane

Concen: Below Cal

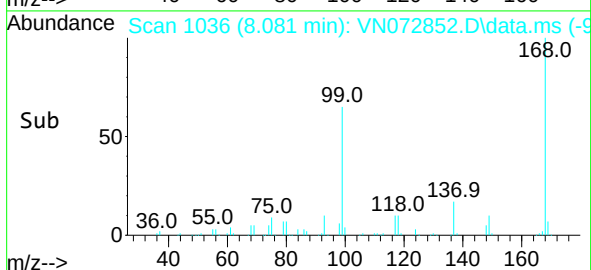
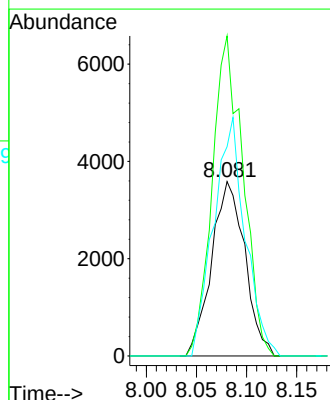
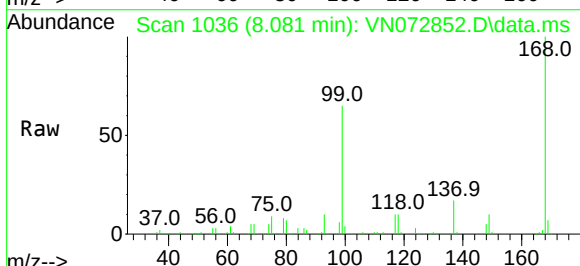
RT: 8.081 min Scan# 1036

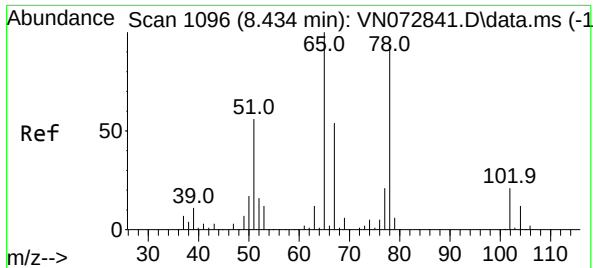
Delta R.T. -0.011 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

Tgt Ion:	56	Resp:	8273
Ion	Ratio	Lower	Upper
56	100		
69	183.4	27.8	41.8#
84	119.9	76.9	115.3#

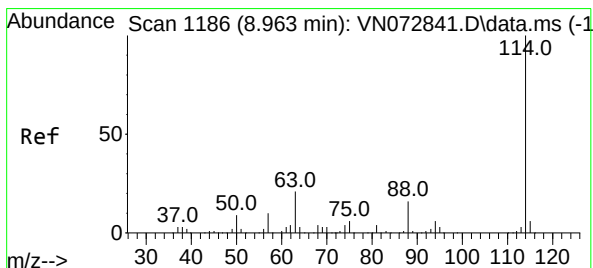
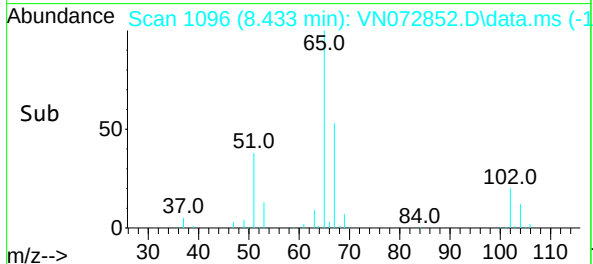
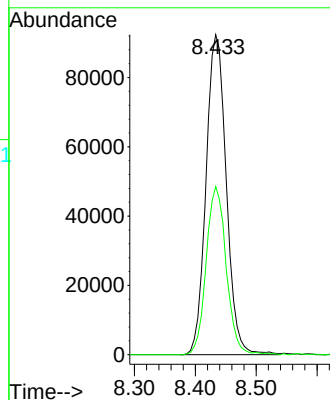
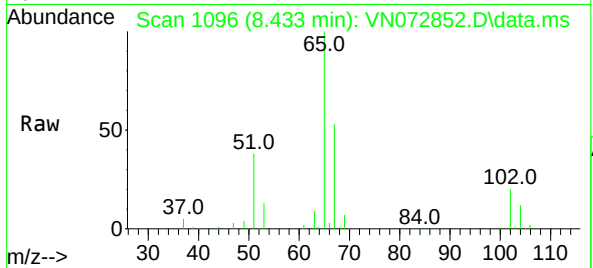




#33
 1,2-Dichloroethane-d4
 Concen: 42.873 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. -0.001 min
 Lab File: VN072852.D
 Acq: 15 Jun 2022 00:16

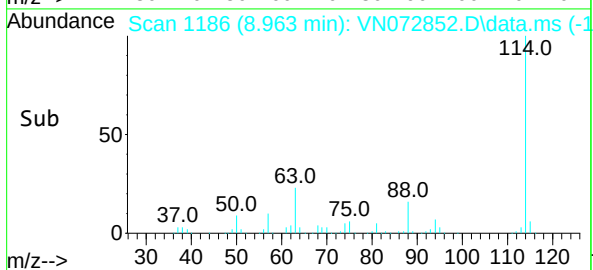
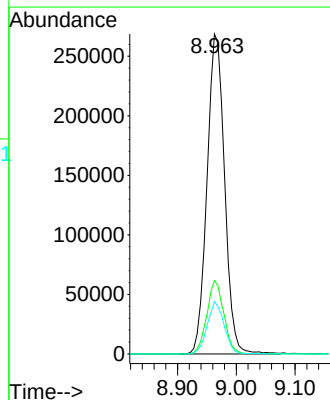
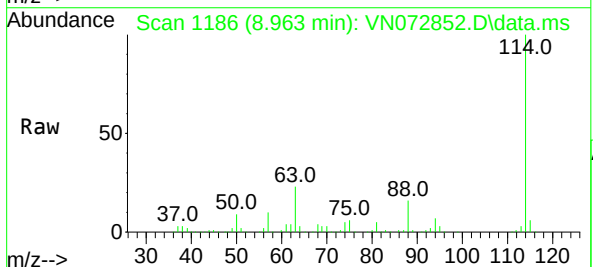
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#04

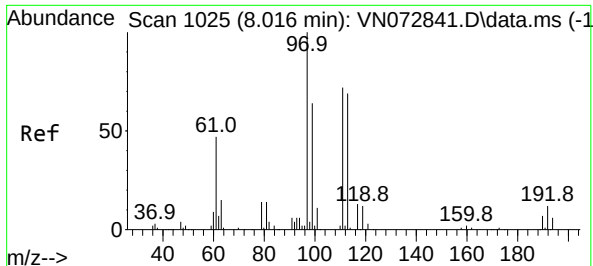
Tgt Ion: 65 Resp: 213623
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. -0.000 min
 Lab File: VN072852.D
 Acq: 15 Jun 2022 00:16

Tgt Ion: 114 Resp: 558234
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 40.0
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.121 ug/l

RT: 8.016 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#04

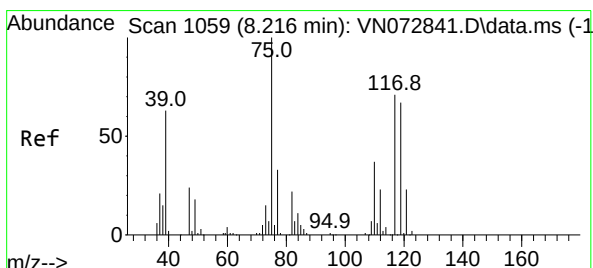
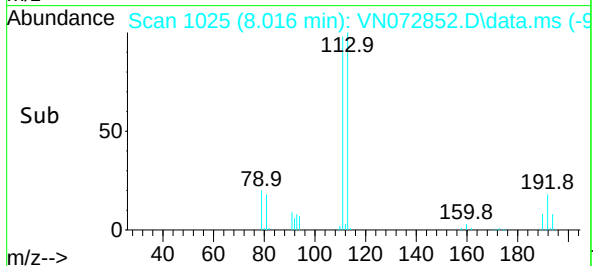
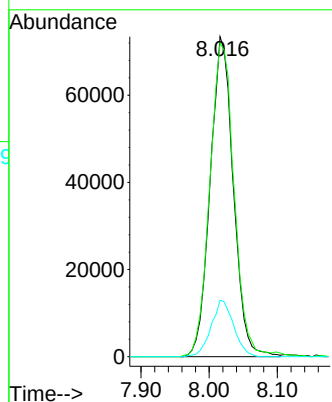
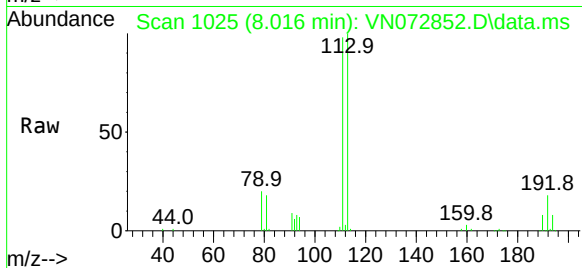
Tgt Ion:113 Resp: 173228

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 17.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.382 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

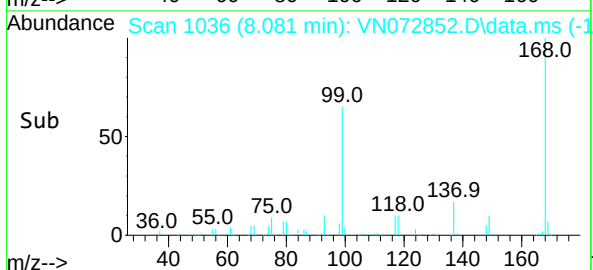
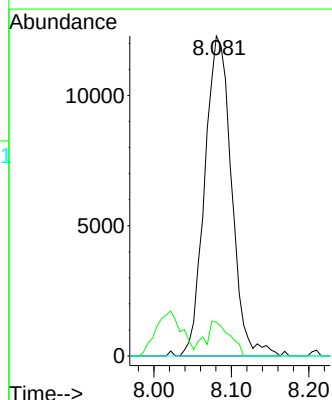
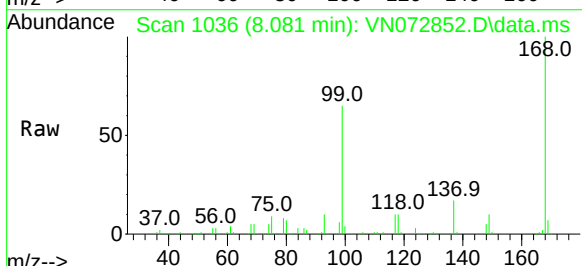
Tgt Ion: 75 Resp: 29460

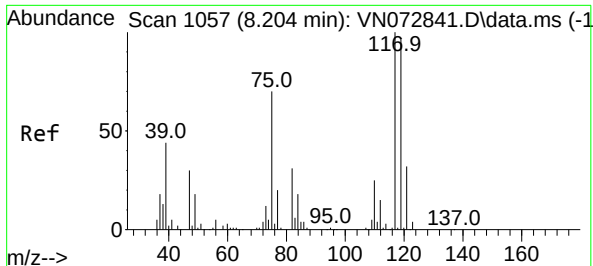
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

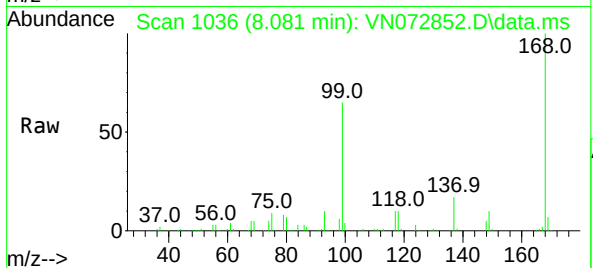
77 0.0 25.1 37.7#



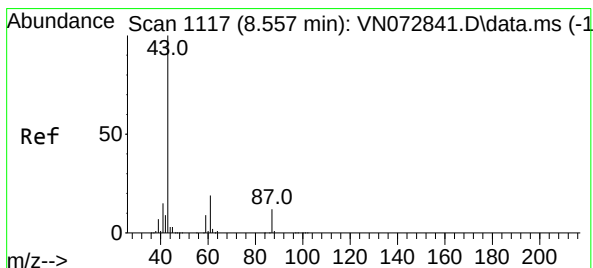
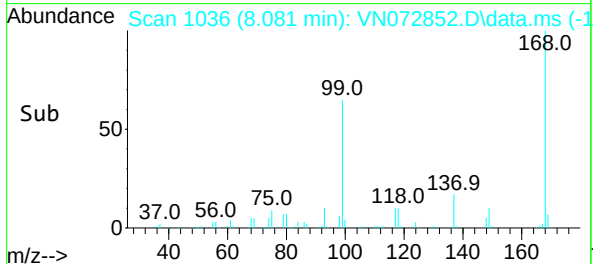
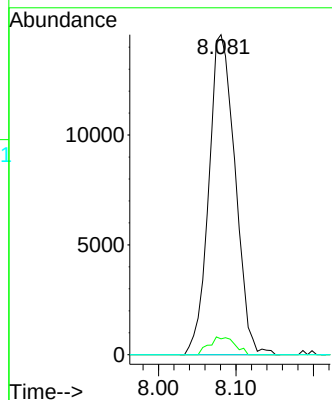


#38
Carbon Tetrachloride
Concen: 7.462 ug/l
RT: 8.081 min Scan# 1107
Delta R.T. -0.123 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

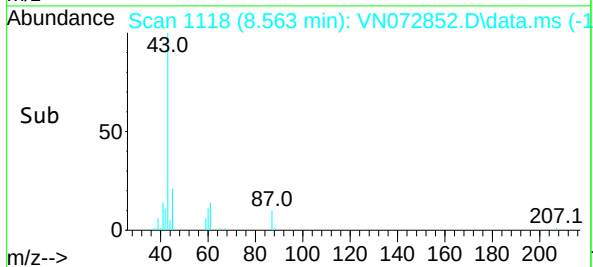
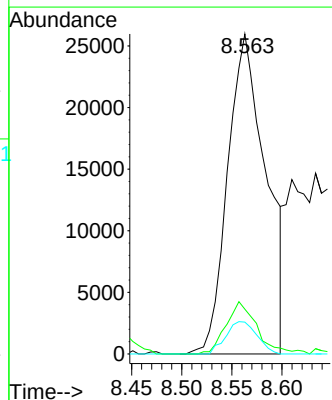
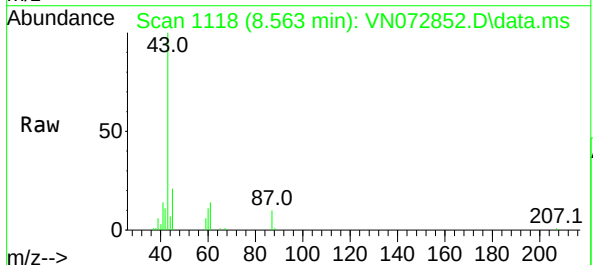


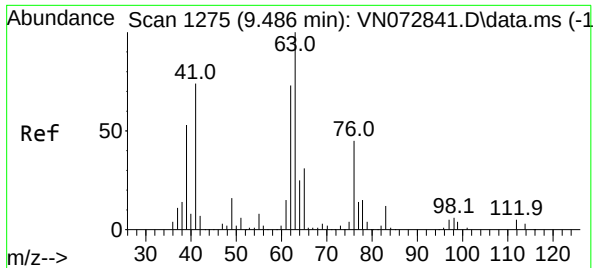
Tgt Ion:117 Resp: 34385
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 6.008 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 43 Resp: 68938
Ion Ratio Lower Upper
43 100
61 13.3 21.9 32.9#
87 8.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.710 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

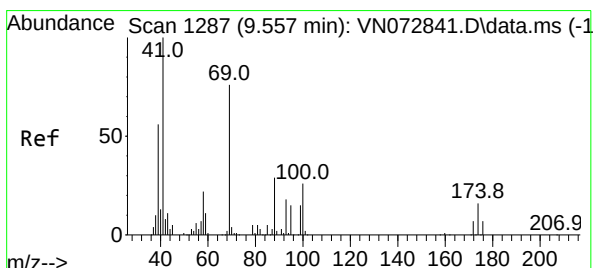
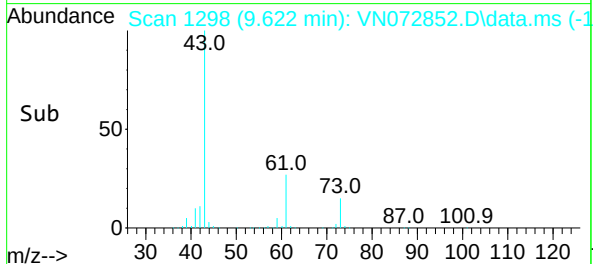
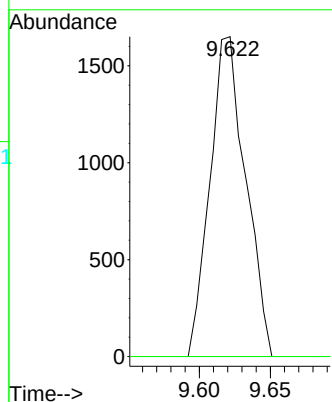
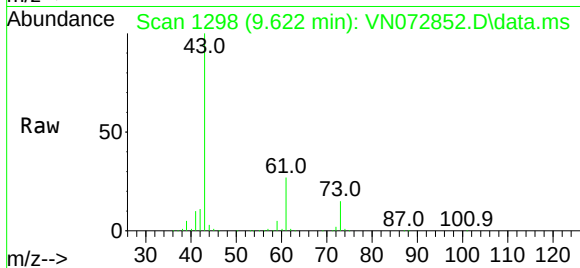
PB145494ZHE#04

Tgt Ion: 63 Resp: 2885

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 2.423 ug/l

RT: 9.539 min Scan# 1284

Delta R.T. -0.018 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

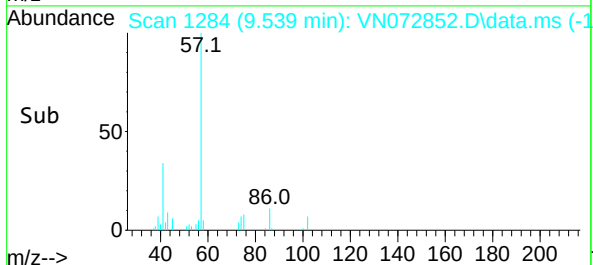
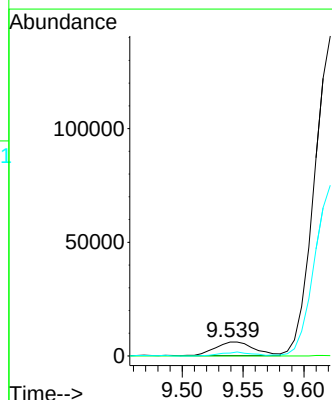
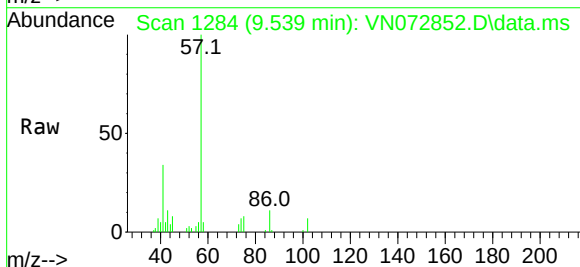
Tgt Ion: 41 Resp: 13255

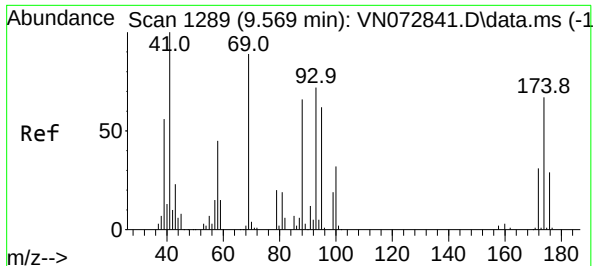
Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

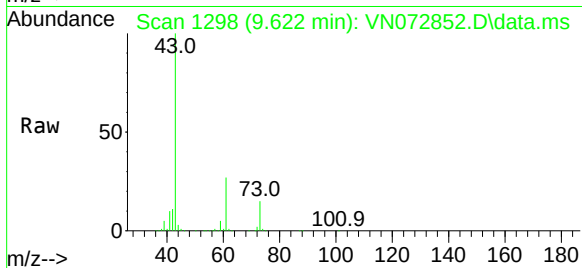
39 0.0 45.6 68.4#



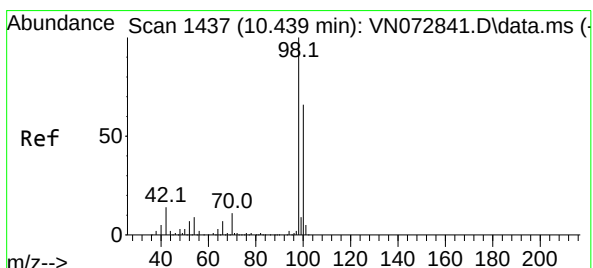
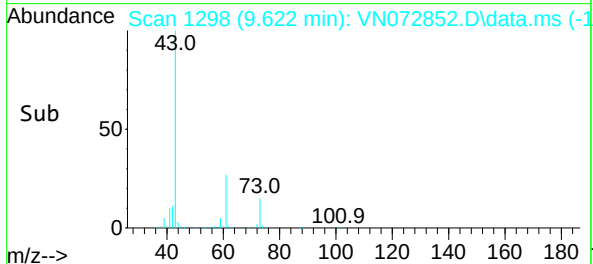
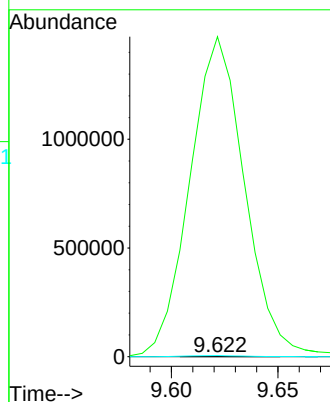


#49
1,4-Dioxane
Concen: 3.569 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.053 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

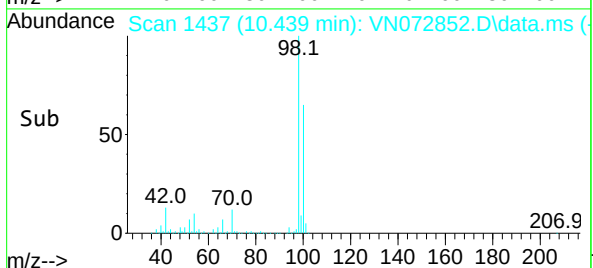
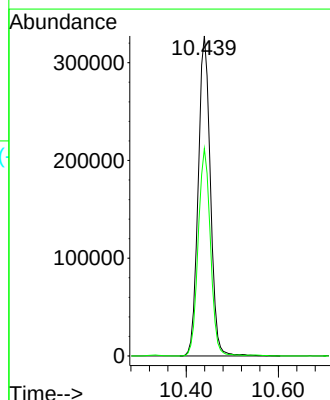
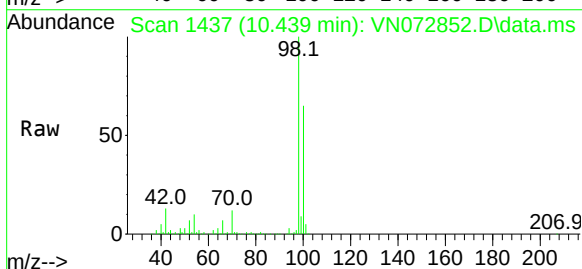


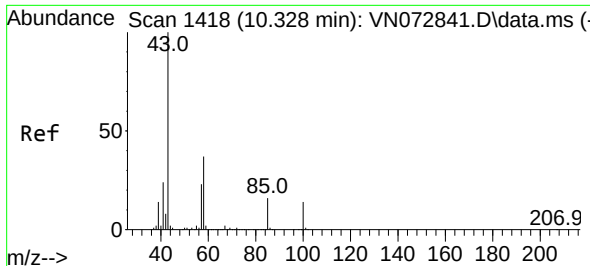
Tgt Ion: 88 Resp: 396
Ion Ratio Lower Upper
88 100
43 674395.2 20.2 30.4#
58 2531.8 54.2 81.4#



#50
Toluene-d8
Concen: 44.086 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 98 Resp: 601320
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8

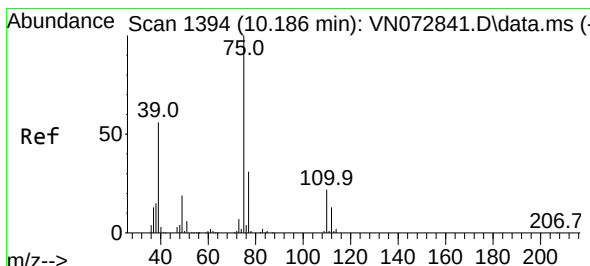
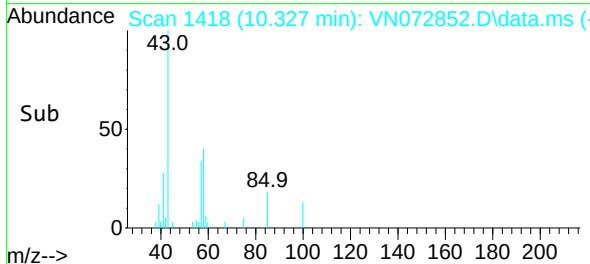
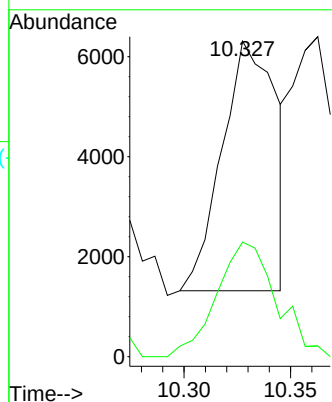
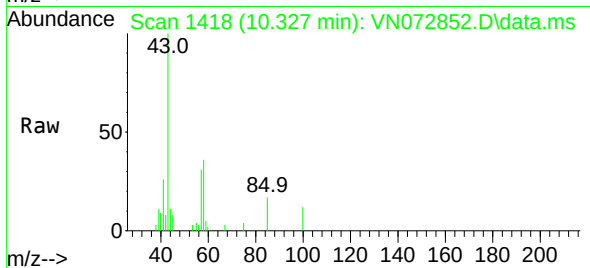




#51
4-Methyl-2-Pentanone
Concen: 1.124 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

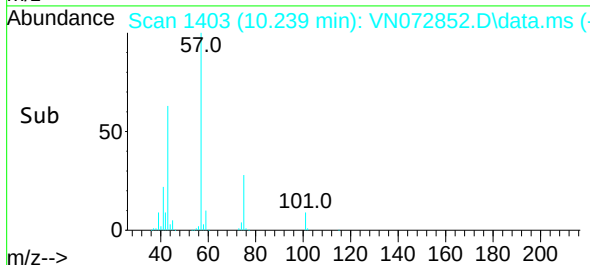
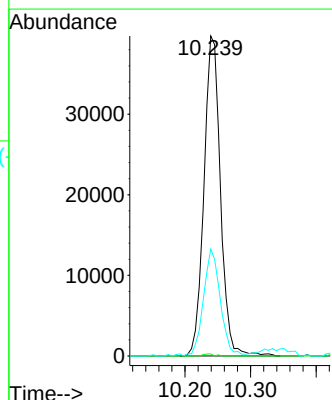
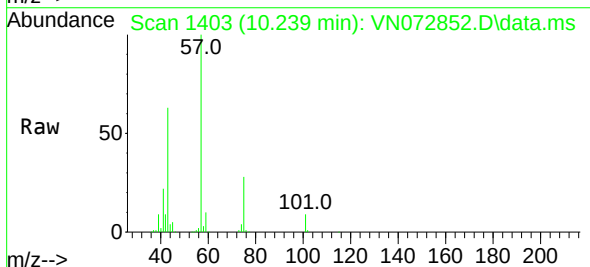
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

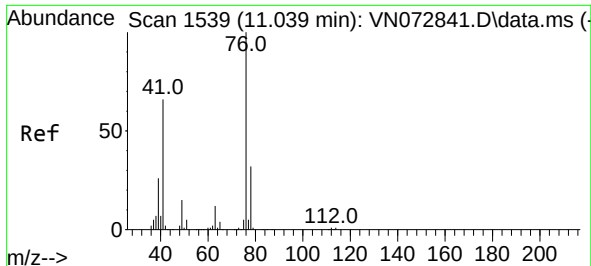
Tgt Ion: 43 Resp: 8839
Ion Ratio Lower Upper
43 100
58 50.4 34.1 51.1



#54
cis-1,3-Dichloropropene
Concen: 11.909 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 75 Resp: 69689
Ion Ratio Lower Upper
75 100
77 0.6 25.2 37.8#
39 32.8 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 5.817 ug/l

RT: 11.092 min Scan# 11

Delta R.T. 0.053 min

Lab File: VN072852.D

Acq: 15 Jun 2022 00:16

Instrument :

MSVOA_N

ClientSampleId :

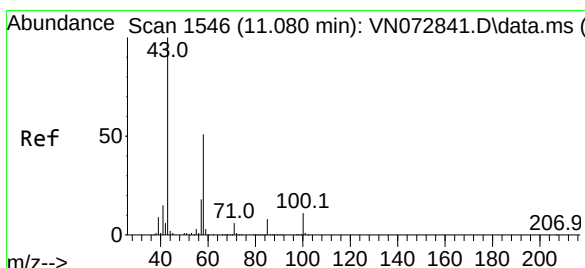
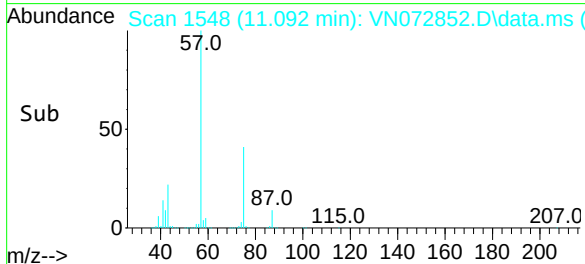
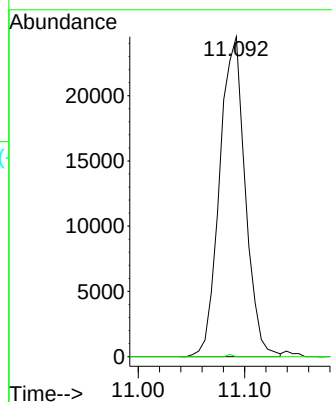
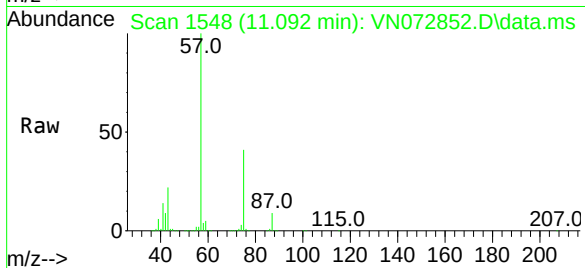
PB145494ZHE#04

Tgt Ion: 76 Resp: 40913

Ion Ratio Lower Upper

76 100

78 0.1 26.2 39.2#



#59

2-Hexanone

Concen: 111.940 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN072852.D

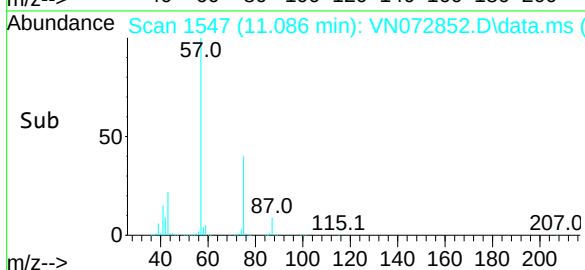
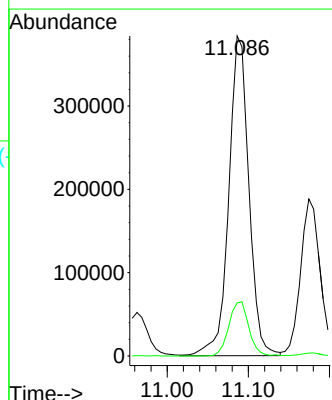
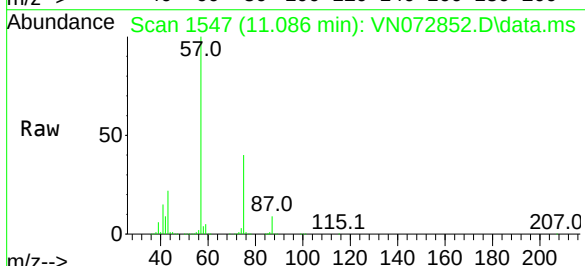
Acq: 15 Jun 2022 00:16

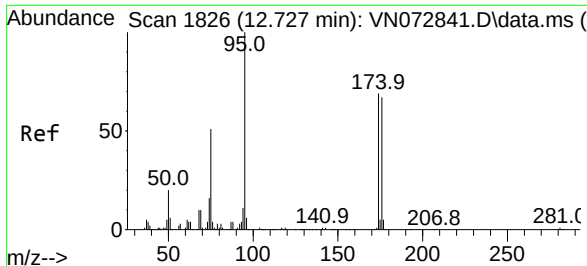
Tgt Ion: 43 Resp: 660946

Ion Ratio Lower Upper

43 100

58 16.9 29.7 89.1#

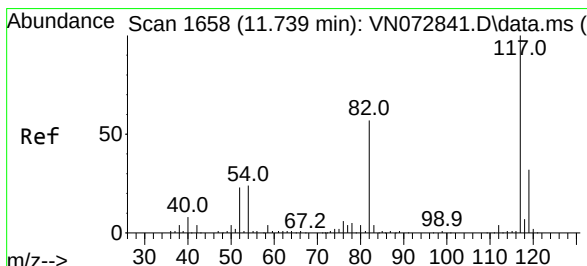
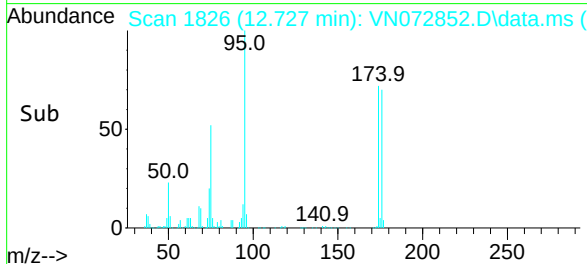
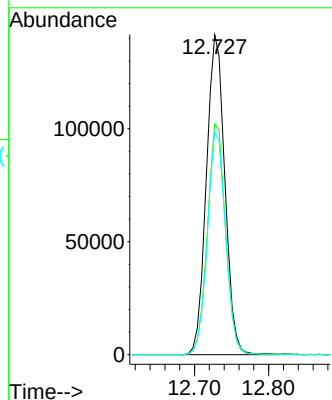
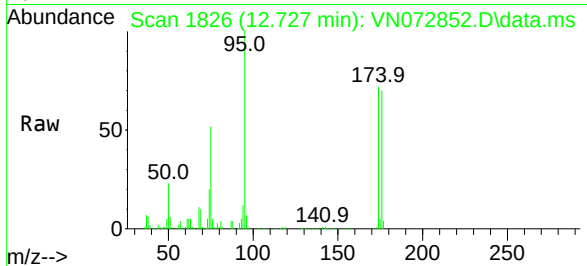




#62
4-Bromofluorobenzene
Concen: 53.487 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

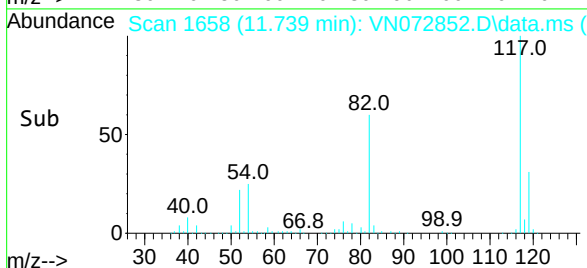
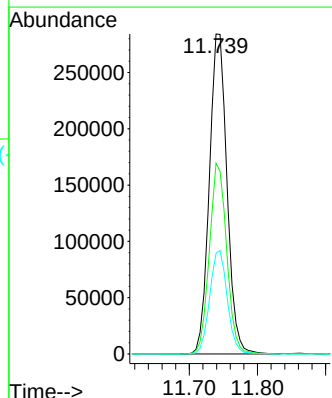
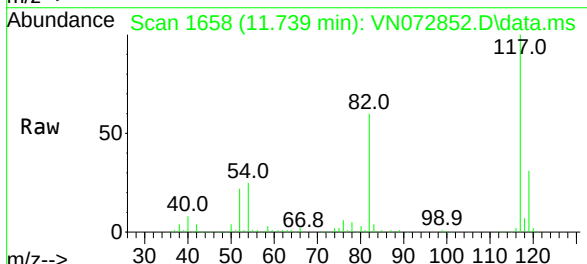
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

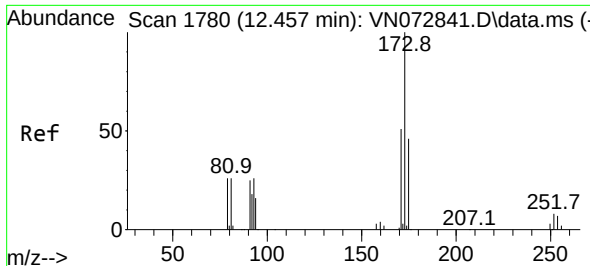
Tgt Ion: 95 Resp: 244892
Ion Ratio Lower Upper
95 100
174 70.9 0.0 167.6
176 68.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 117 Resp: 513337
Ion Ratio Lower Upper
117 100
82 59.6 44.2 66.2
119 31.4 25.4 38.0

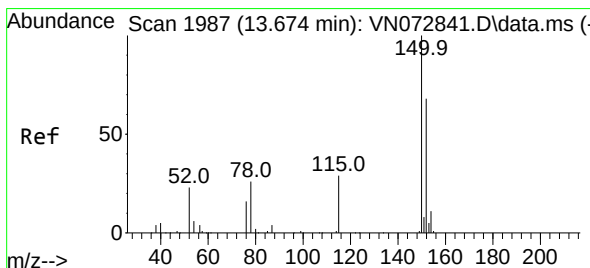
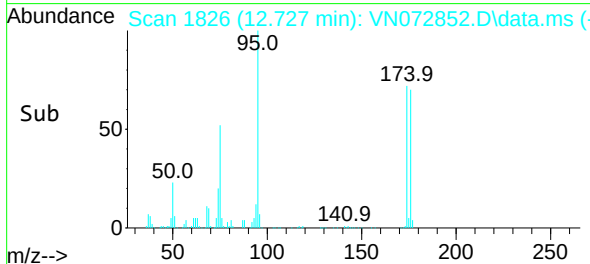
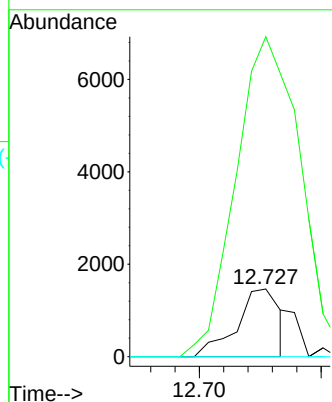
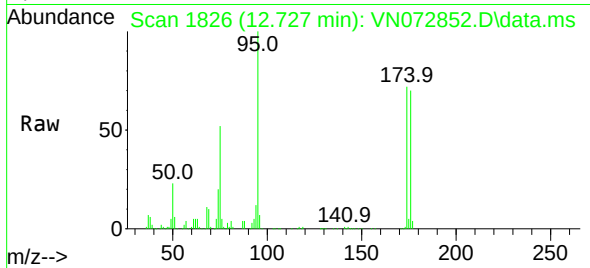




#71
Bromoform
Concen: 0.646 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

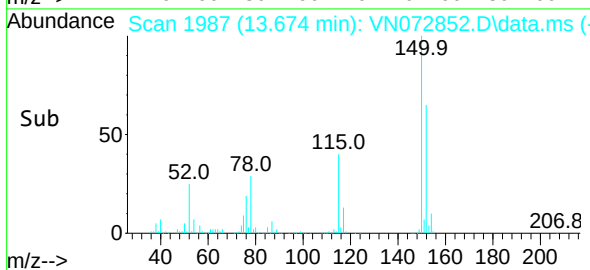
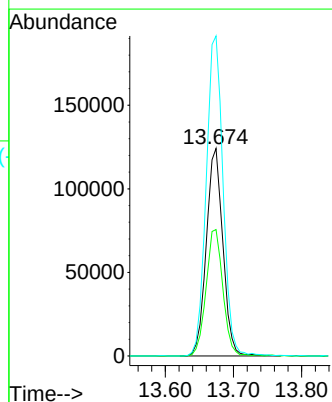
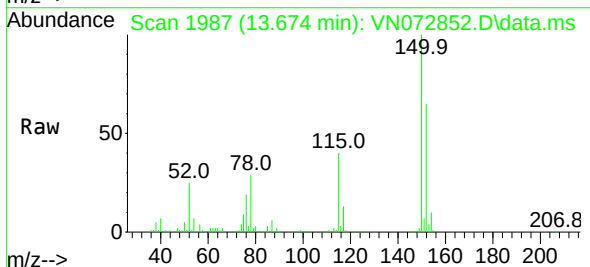
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

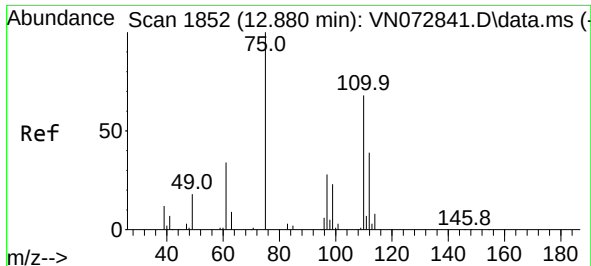
Tgt Ion:173 Resp: 1808
Ion Ratio Lower Upper
173 100
175 514.2 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.000 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion:152 Resp: 210228
Ion Ratio Lower Upper
152 100
115 61.7 28.9 86.7
150 156.8 0.0 356.2

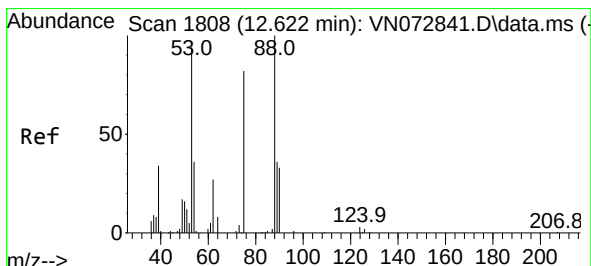
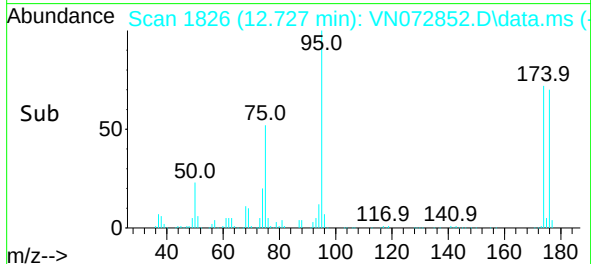
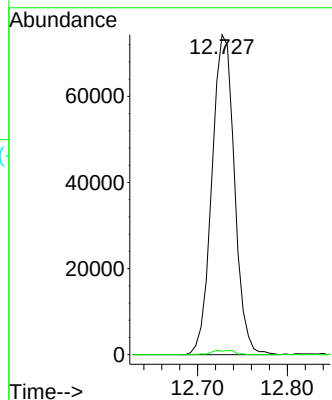
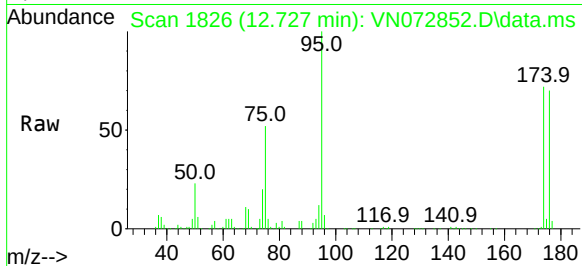




#76
1,2,3-Trichloropropane
Concen: 21.400 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#04

Tgt Ion: 75 Resp: 129768
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.552 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072852.D
Acq: 15 Jun 2022 00:16

Tgt Ion: 75 Resp: 129768
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

