

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072851.D
 Acq On : 14 Jun 2022 23:51
 Operator : JC\MD
 Sample : PB145494ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#03

Quant Time: Jun 15 04:36:56 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)

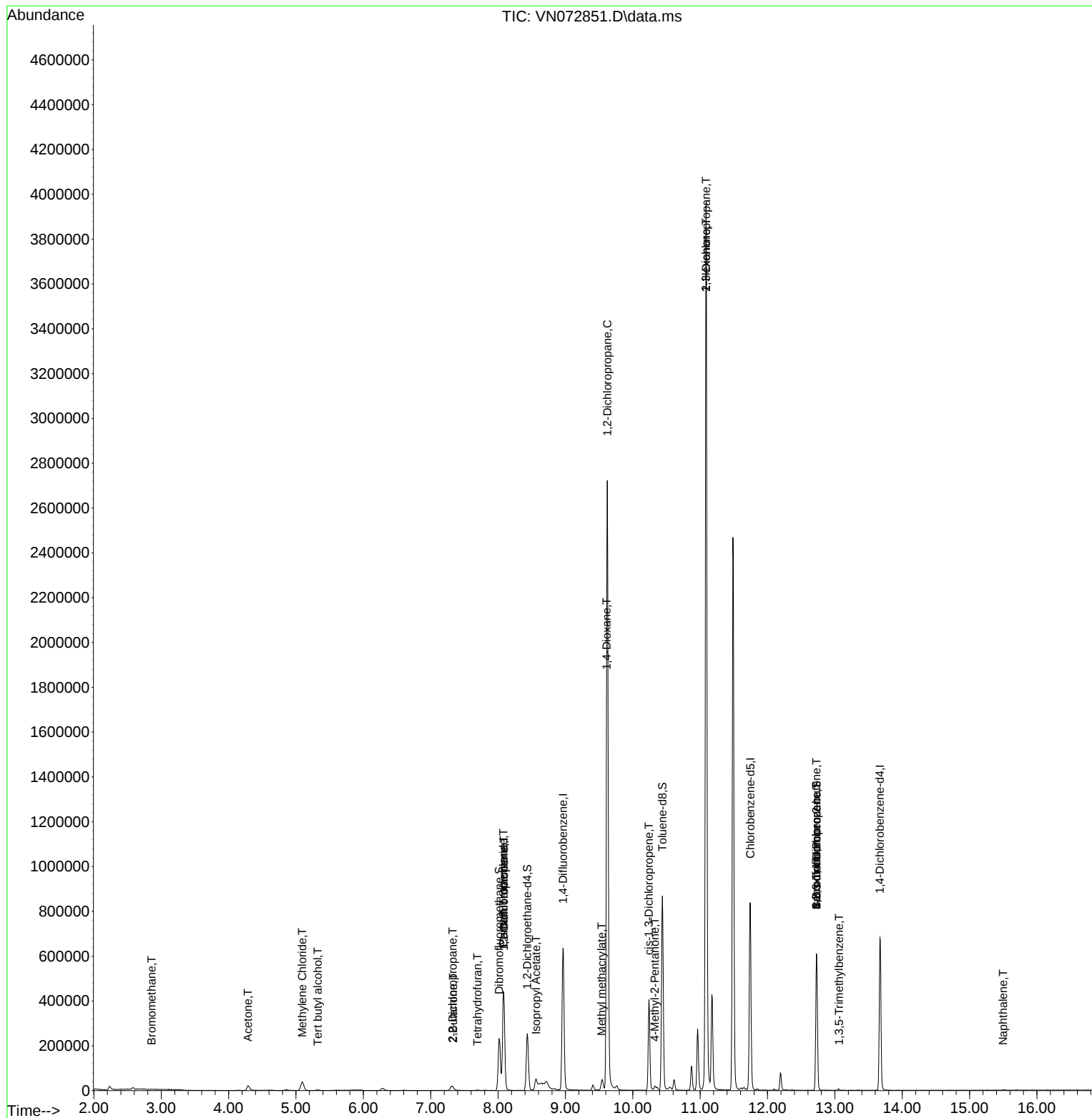
Internal Standards						
1) Pentafluorobenzene	8.081	168	327743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	559806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	478658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	184859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	210268	41.424	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	82.840%		
35) Dibromofluoromethane	8.016	113	172976	49.908	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.820%		
50) Toluene-d8	10.439	98	585225	42.786	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	85.580%		
62) 4-Bromofluorobenzene	12.727	95	221562	48.255	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	96.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	688	Below Cal	#	43
5) Bromomethane	2.857	94	405	0.357	ug/l	88
6) Chloroethane	2.981	64	677	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	2916	0.474	ug/l	# 72
16) Acetone	4.287	43	41181	14.516	ug/l	98
17) Carbon Disulfide	4.522	76	318	Below Cal	#	75
18) Methyl Acetate	4.863	43	7935	Below Cal	#	88
20) Methylene Chloride	5.093	84	29527	6.611	ug/l	# 88
25) 2-Butanone	7.334	43	9624	2.141	ug/l	# 83
26) 2,2-Dichloropropane	7.328	77	1270	0.239	ug/l	# 53
29) Tetrahydrofuran	7.692	42	1260	0.439	ug/l	# 35
31) Cyclohexane	8.087	56	7865	Below Cal	#	10
36) 1,1-Dichloropropene	8.087	75	28529	6.163	ug/l	# 49
38) Carbon Tetrachloride	8.081	117	36268	7.849	ug/l	# 17
43) Isopropyl Acetate	8.563	43	65416	5.685	ug/l	# 79
45) 1,2-Dichloropropane	9.622	63	3512	0.862	ug/l	# 44
48) Methyl methacrylate	9.539	41	14624	2.666	ug/l	# 10
49) 1,4-Dioxane	9.610	88	431	3.874	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.328	43	11449	1.452	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	71091	12.115	ug/l	# 67
57) 1,3-Dichloropropane	11.086	76	41162	5.836	ug/l	# 42
59) 2-Hexanone	11.086	43	658657	111.239	ug/l	# 43
71) Bromoform	12.727	173	1525	0.585	ug/l	# 1
76) 1,2,3-Trichloropropane	12.727	75	116606	21.868	ug/l	# 1
80) 1,3,5-Trimethylbenzene	13.063	105	2879	0.213	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.727	75	116606	68.008	ug/l	# 10
95) Naphthalene	15.498	128	2727	0.235	ug/l	# 80

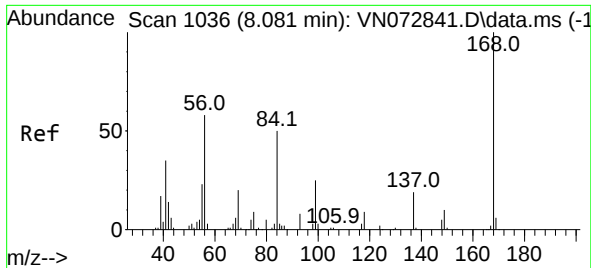
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
Data File : VN072851.D
Acq On : 14 Jun 2022 23:51
Operator : JC\MD
Sample : PB145494ZHE#03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

Quant Time: Jun 15 04:36:56 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

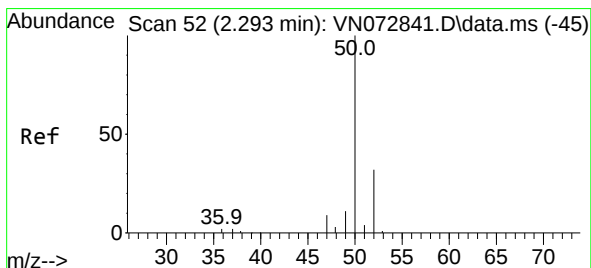
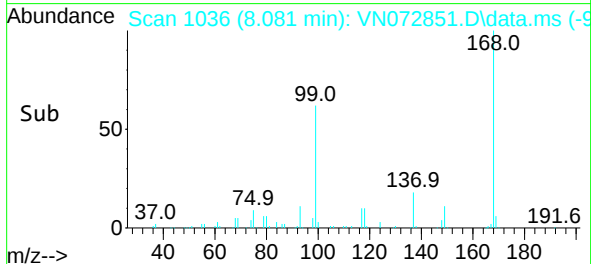
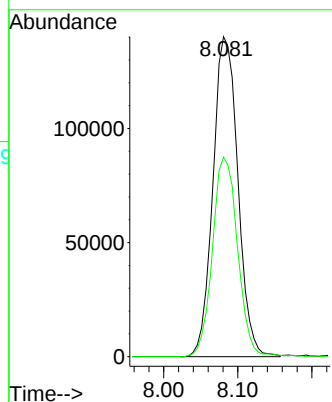
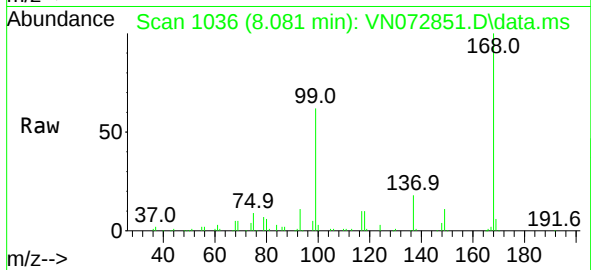




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

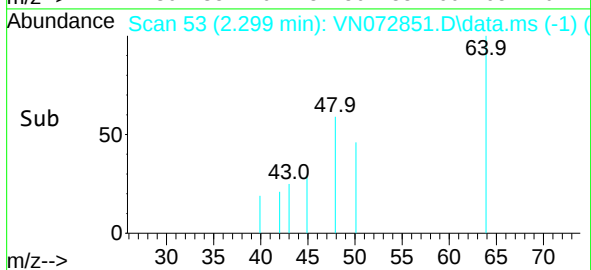
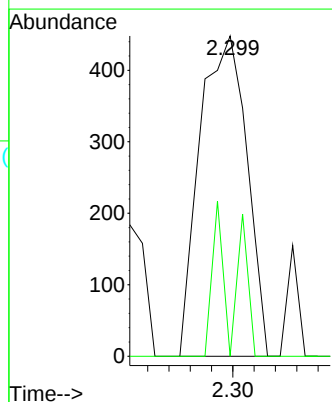
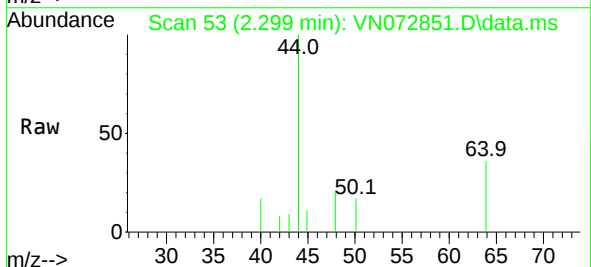
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

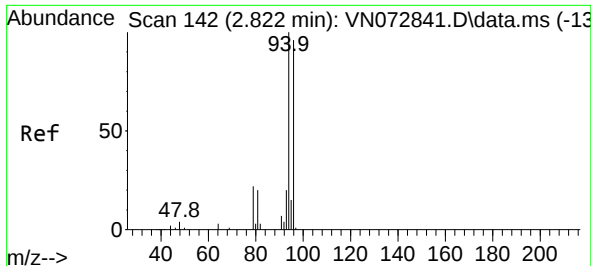
Tgt Ion:168 Resp: 327743
Ion Ratio Lower Upper
168 100
99 62.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

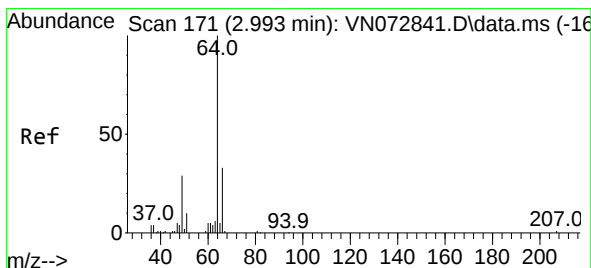
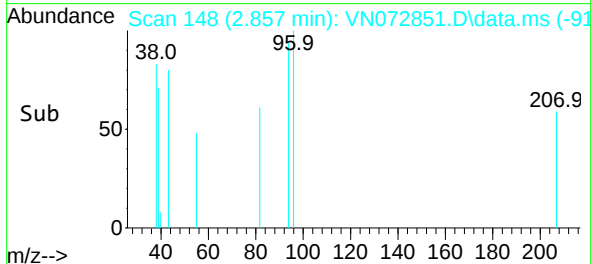
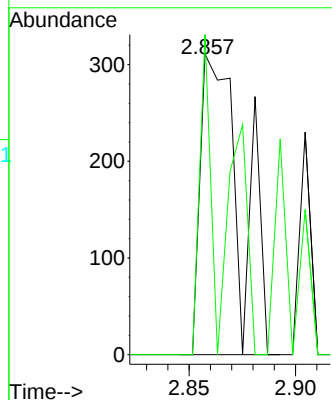
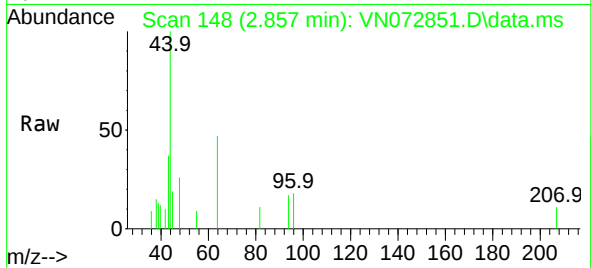




#5
Bromomethane
Concen: 0.357 ug/l
RT: 2.857 min Scan# 14
Delta R.T. 0.035 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

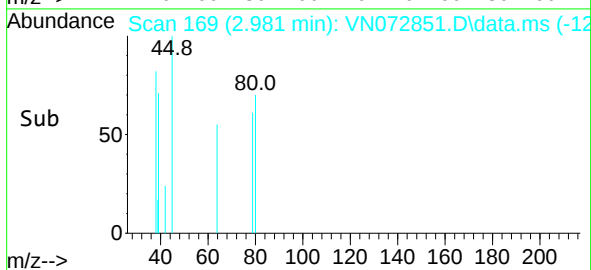
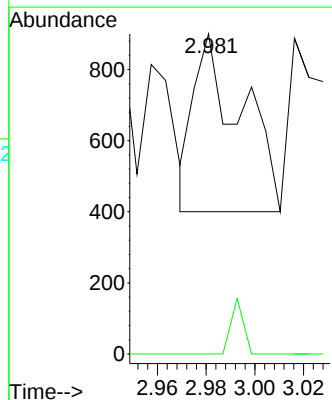
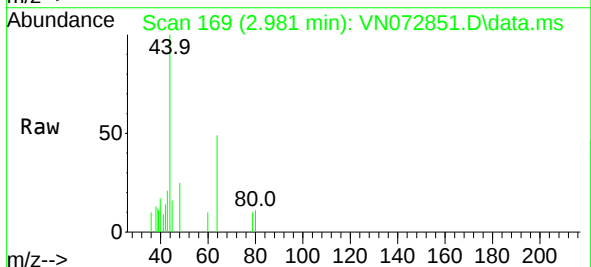
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

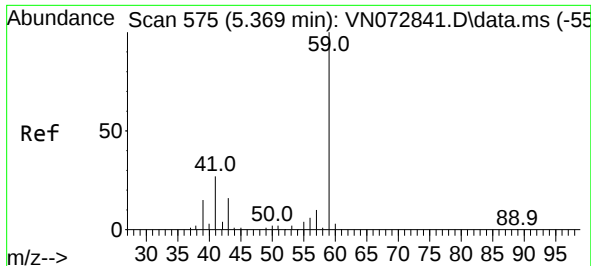
Tgt Ion: 94 Resp: 405
Ion Ratio Lower Upper
94 100
96 106.4 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.981 min Scan# 169
Delta R.T. -0.012 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

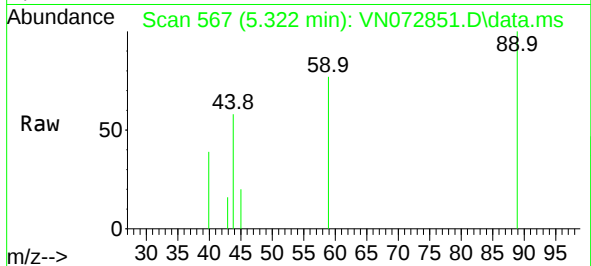
Tgt Ion: 64 Resp: 677
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



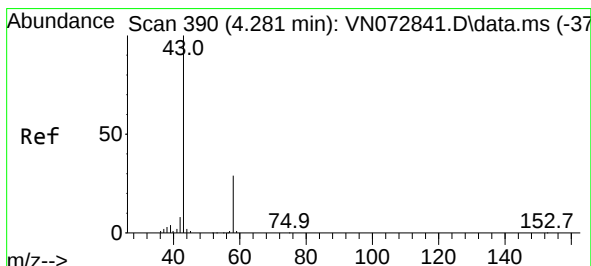
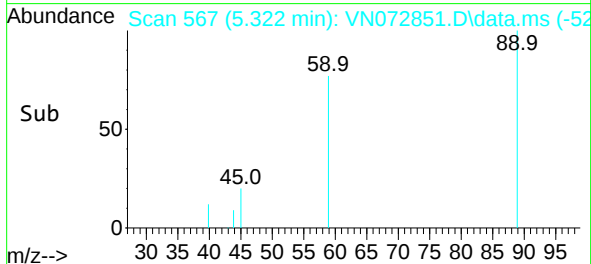
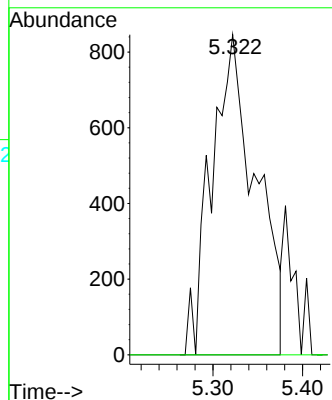


#11
Tert butyl alcohol
Concen: 0.474 ug/l
RT: 5.322 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

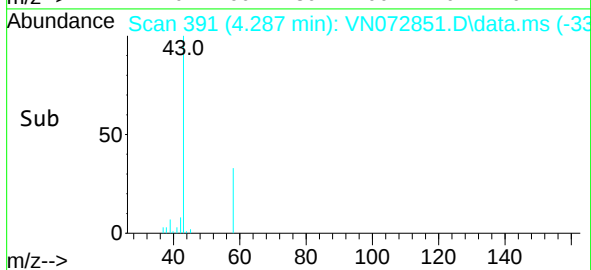
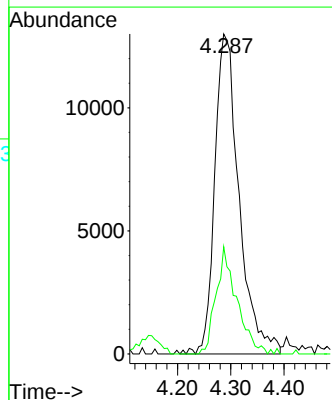
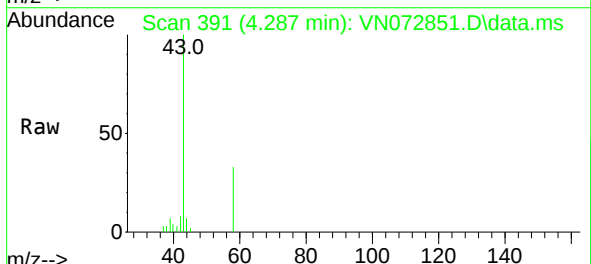


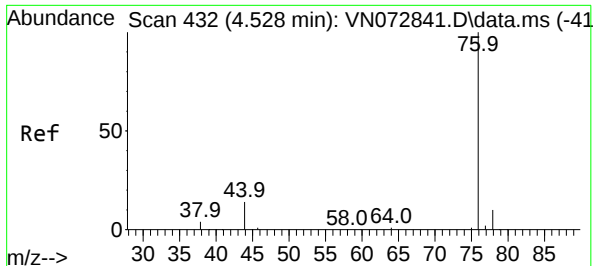
Tgt Ion: 59 Resp: 2916
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 14.516 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 43 Resp: 41181
Ion Ratio Lower Upper
43 100
58 33.5 26.0 39.0

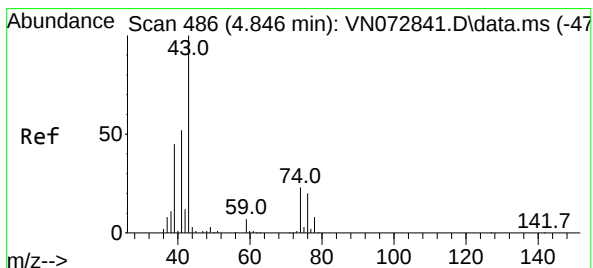
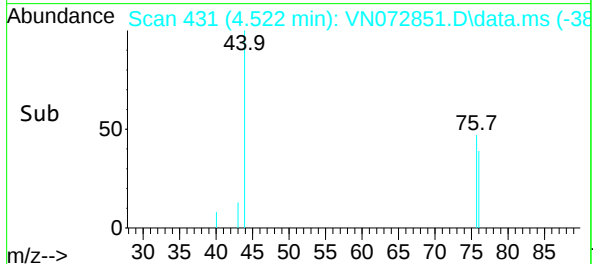
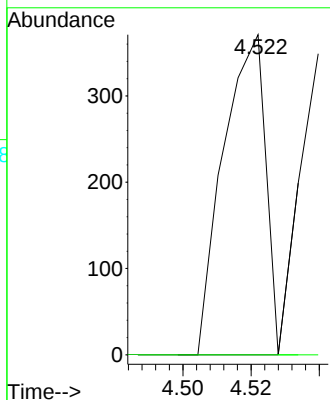
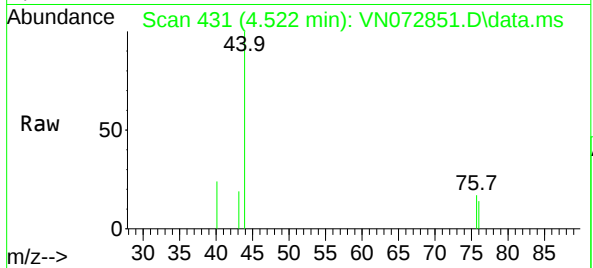




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.522 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

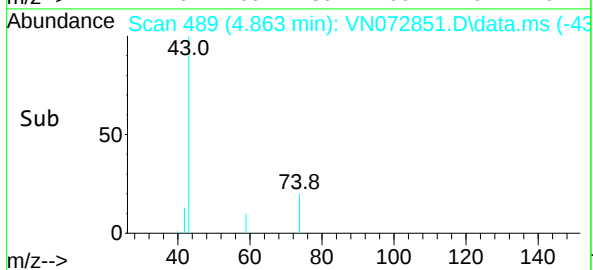
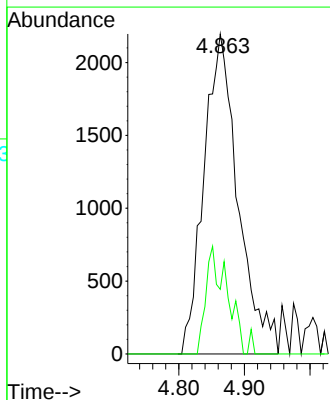
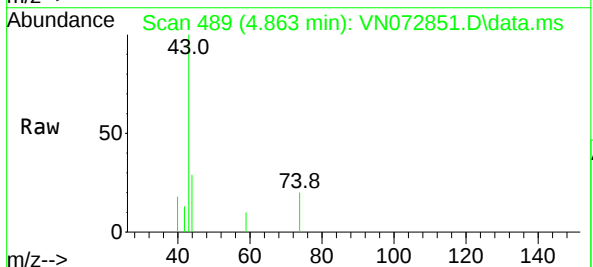
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

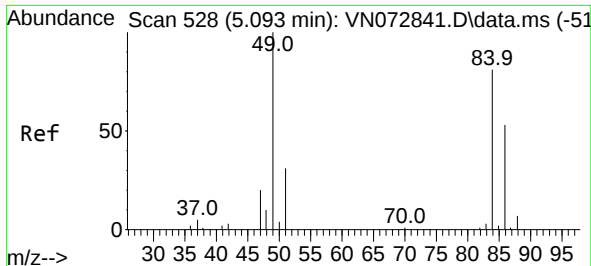
Tgt Ion: 76 Resp: 318
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 489
Delta R.T. 0.017 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

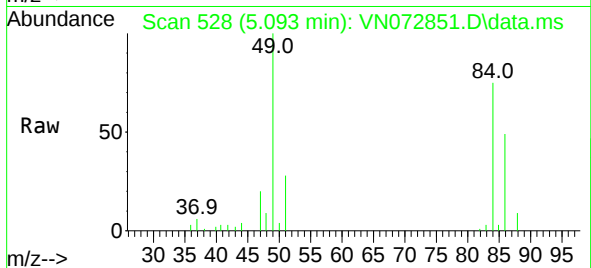
Tgt Ion: 43 Resp: 7935
Ion Ratio Lower Upper
43 100
74 20.6 21.6 32.4#



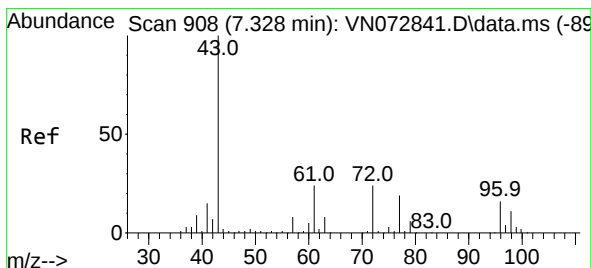
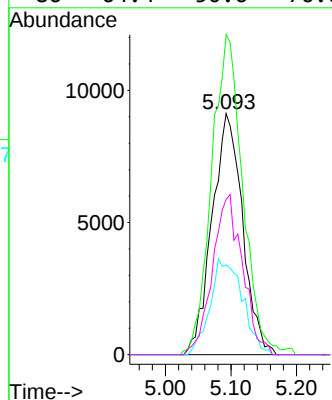


#20
Methylene Chloride
Concen: 6.611 ug/l
RT: 5.093 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

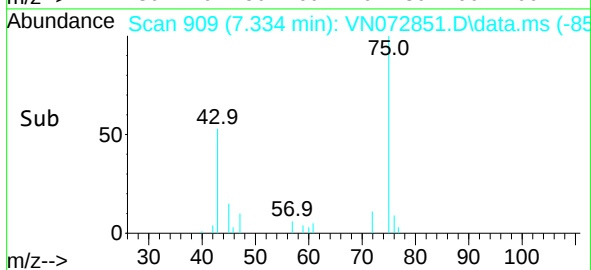
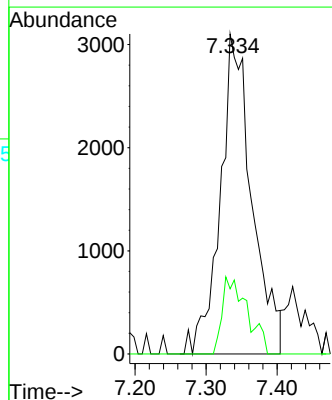
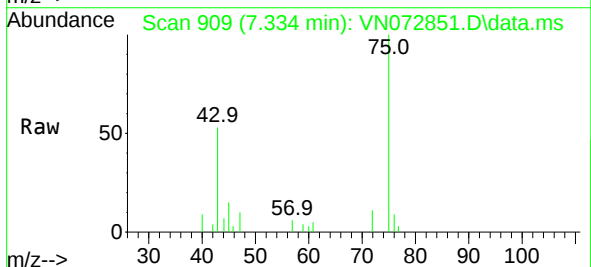


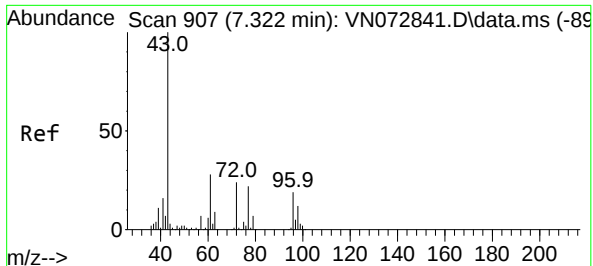
Tgt Ion:	84	Resp:	29527
Ion	Ratio	Lower	Upper
84	100		
49	132.7	88.3	132.5#
51	37.2	28.2	42.2
86	64.4	50.6	76.0



#25
2-Butanone
Concen: 2.141 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion:	43	Resp:	9624
Ion	Ratio	Lower	Upper
43	100		
72	20.3	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.239 ug/l

RT: 7.328 min Scan# 90

Delta R.T. 0.006 min

Lab File: VN072851.D

Acq: 14 Jun 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

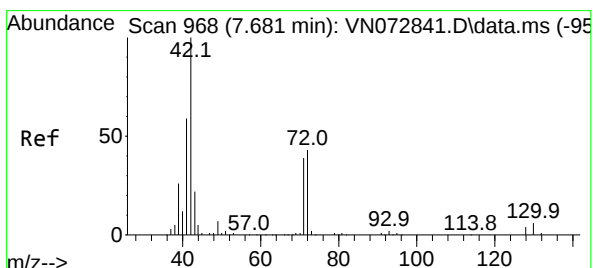
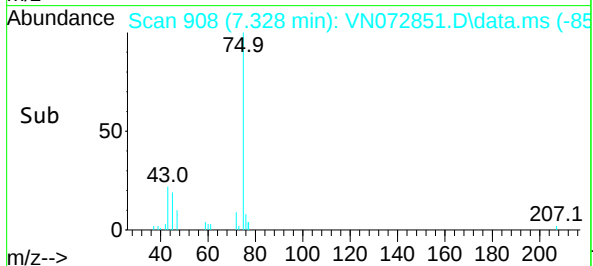
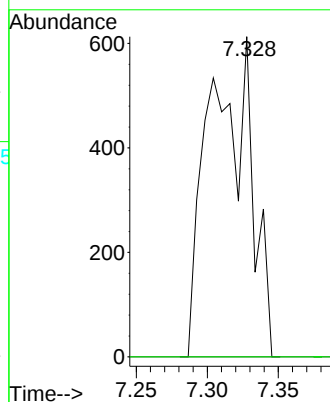
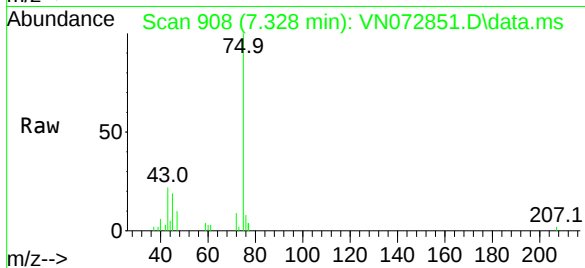
PB145494ZHE#03

Tgt Ion: 77 Resp: 1270

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.439 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.011 min

Lab File: VN072851.D

Acq: 14 Jun 2022 23:51

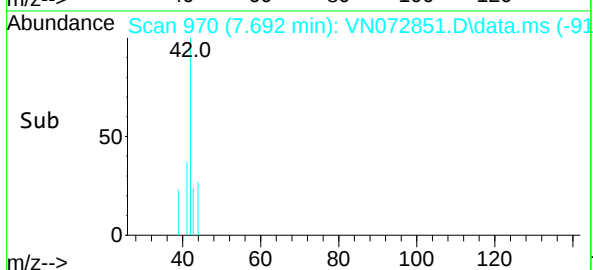
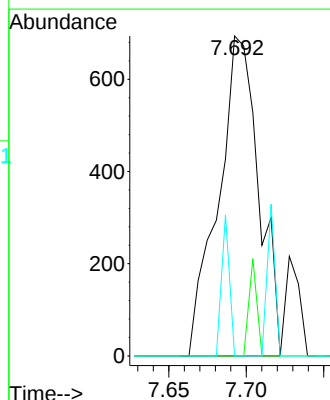
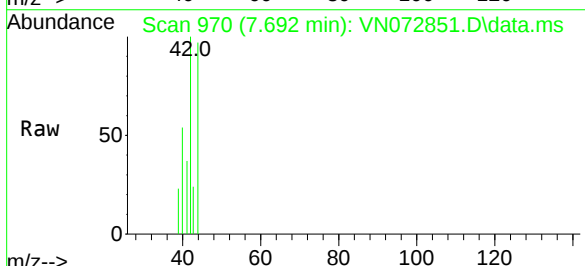
Tgt Ion: 42 Resp: 1260

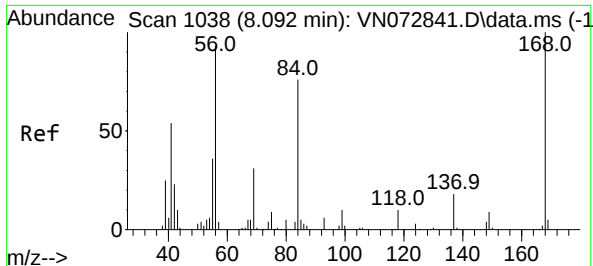
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

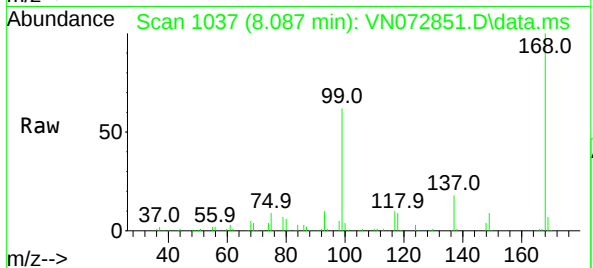
71 8.6 36.6 55.0#



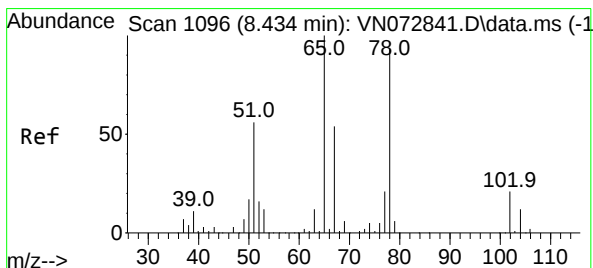
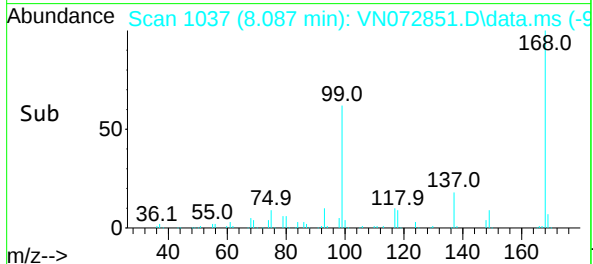
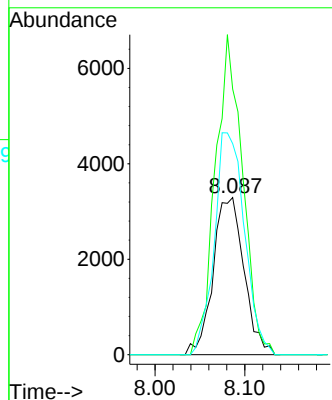


#31
Cyclohexane
Concen: Below Cal
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

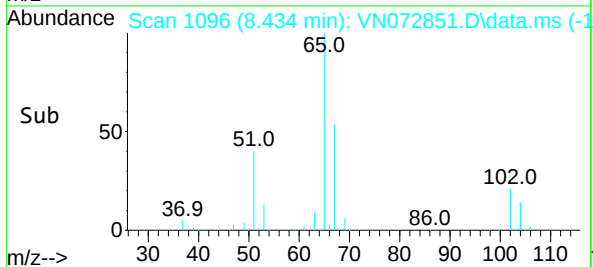
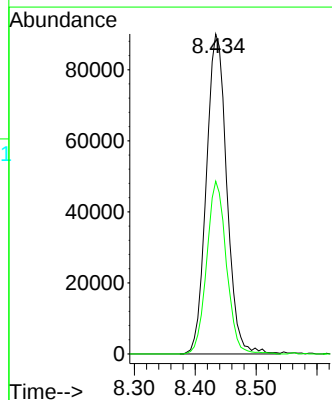
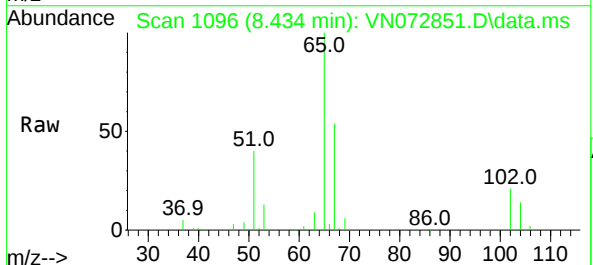


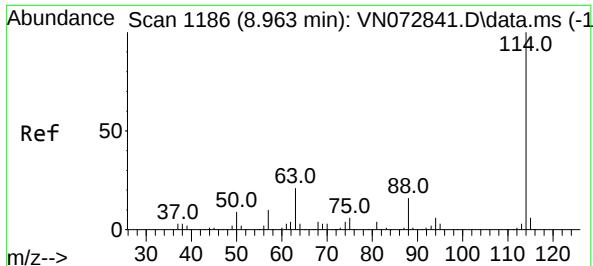
Tgt Ion: 56 Resp: 7865
Ion Ratio Lower Upper
56 100
69 169.0 27.8 41.8#
84 134.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 41.424 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 65 Resp: 210268
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: VN072851.D

Acq: 14 Jun 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#03

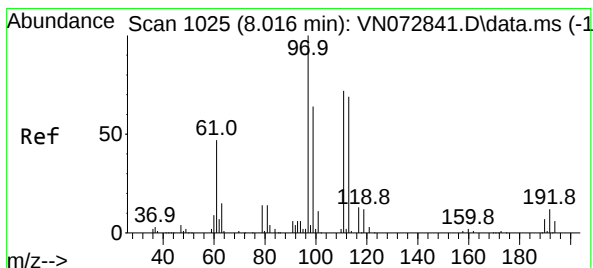
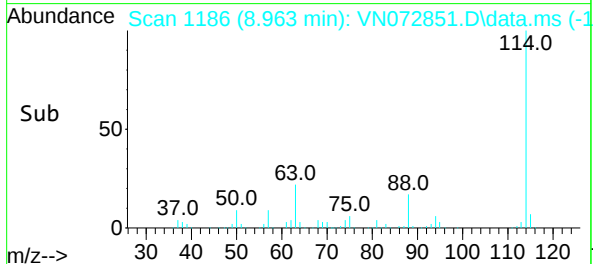
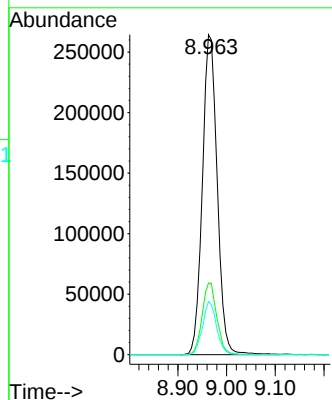
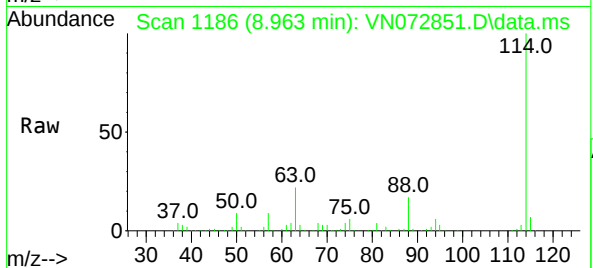
Tgt Ion:114 Resp: 559806

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.908 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072851.D

Acq: 14 Jun 2022 23:51

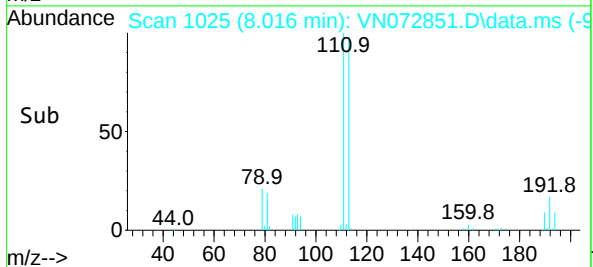
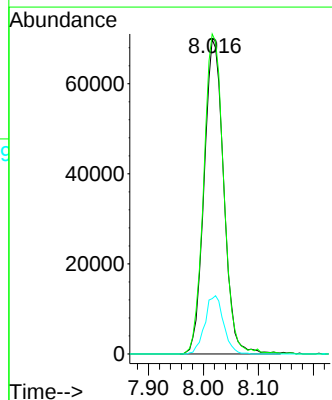
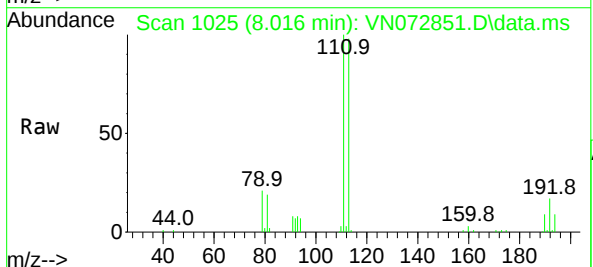
Tgt Ion:113 Resp: 172976

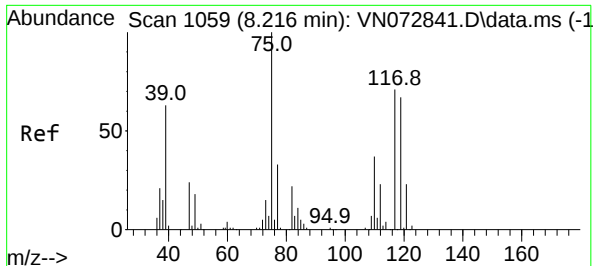
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 6.163 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072851.D

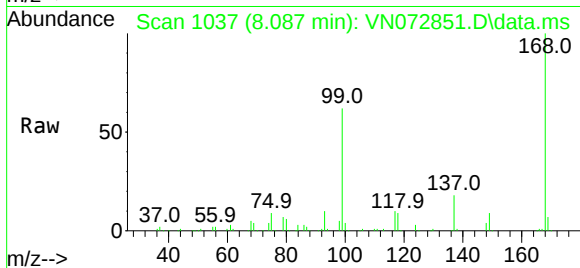
Acq: 14 Jun 2022 23:51

Instrument :

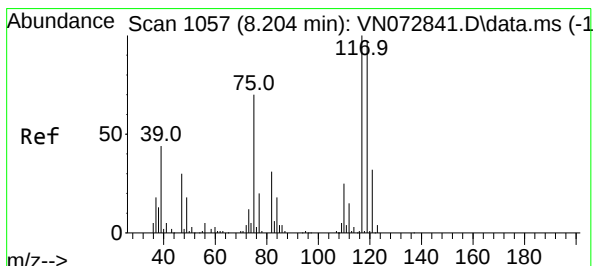
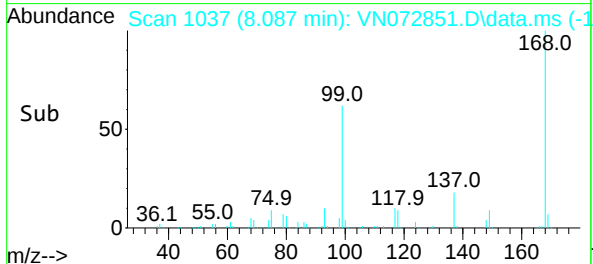
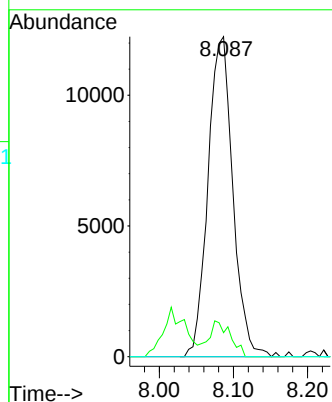
MSVOA_N

ClientSampleId :

PB145494ZHE#03



Tgt Ion: 75	Resp: 28529
Ion Ratio	Lower Upper
75	100
110	9.3 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.849 ug/l

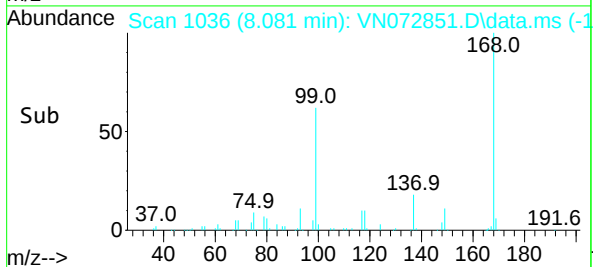
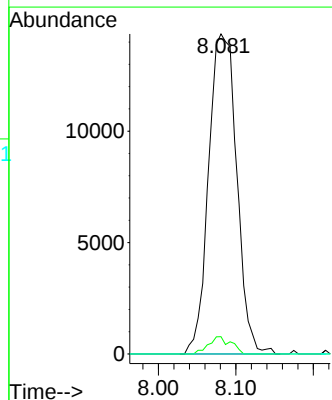
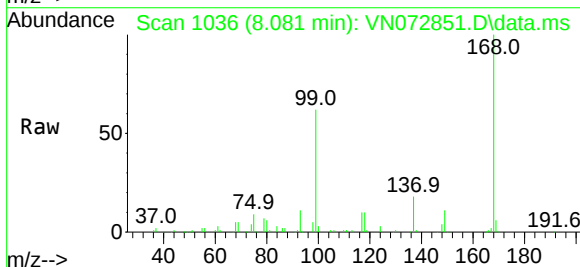
RT: 8.081 min Scan# 1036

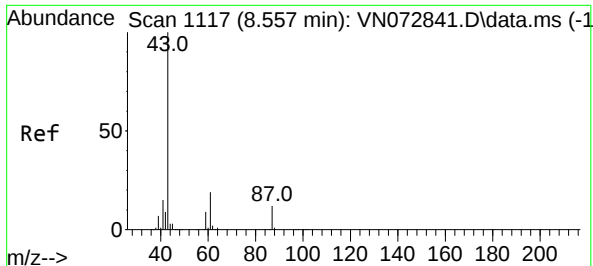
Delta R.T. -0.123 min

Lab File: VN072851.D

Acq: 14 Jun 2022 23:51

Tgt Ion: 117	Resp: 36268
Ion Ratio	Lower Upper
117	100
119	5.4 75.8 113.8#
121	0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 5.685 ug/l

RT: 8.563 min Scan# 1118

Delta R.T. 0.006 min

Lab File: VN072851.D

Acq: 14 Jun 2022 23:51

Instrument :

MSVOA_N

ClientSampleId :

PB145494ZHE#03

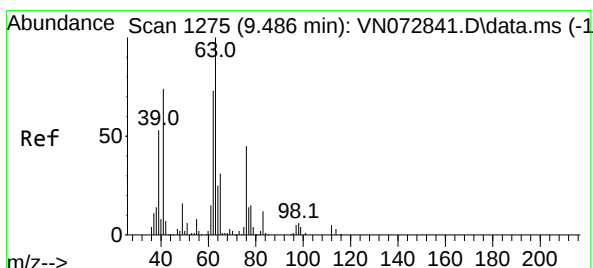
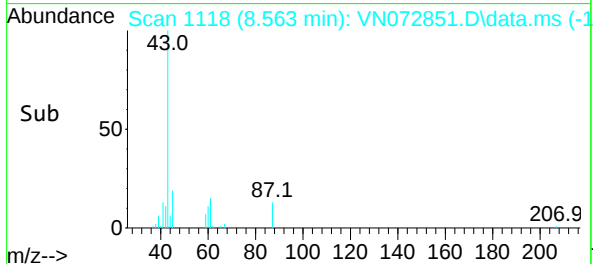
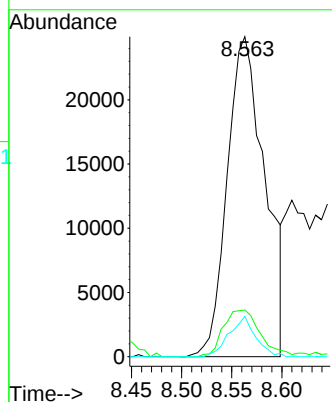
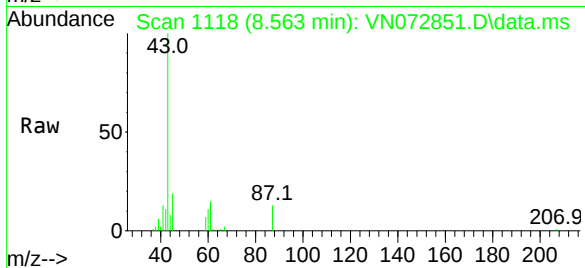
Tgt Ion: 43 Resp: 65416

Ion Ratio Lower Upper

43 100

61 14.4 21.9 32.9#

87 8.8 12.0 18.0#



#45

1,2-Dichloropropane

Concen: 0.862 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN072851.D

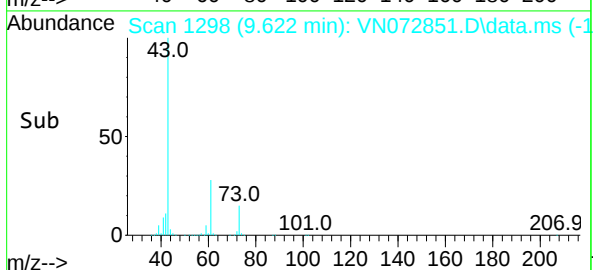
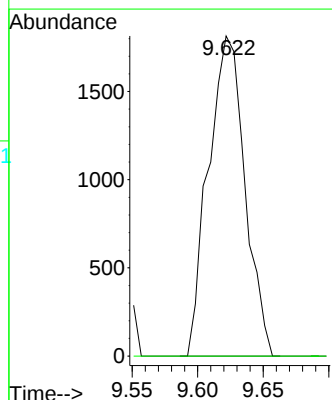
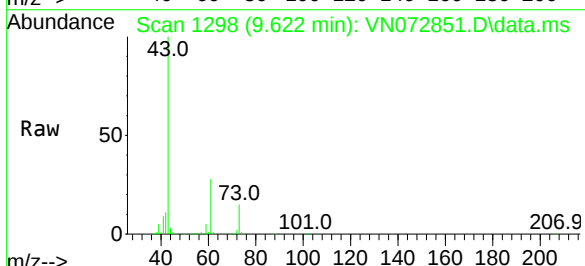
Acq: 14 Jun 2022 23:51

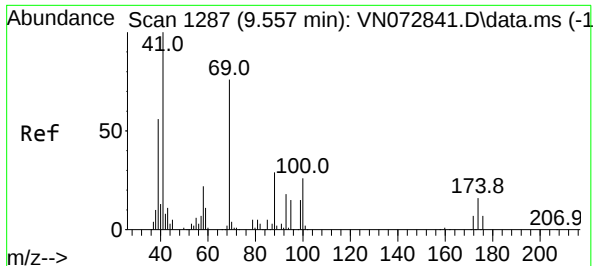
Tgt Ion: 63 Resp: 3512

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

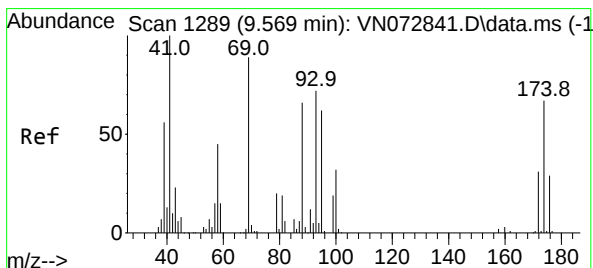
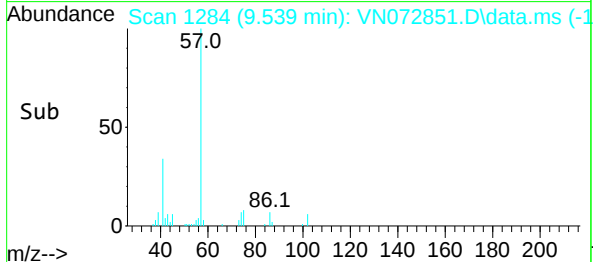
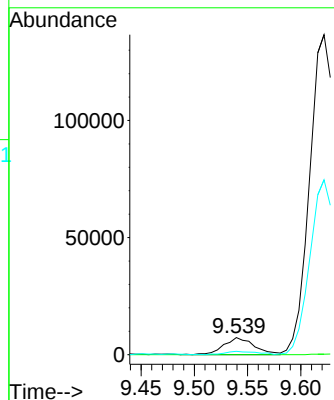
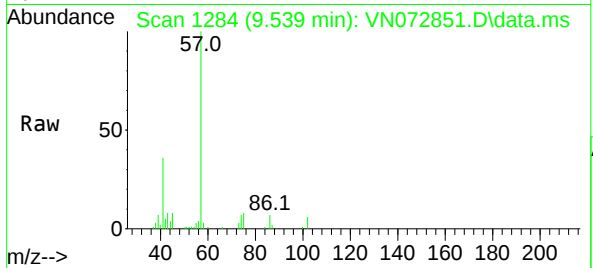




#48
Methyl methacrylate
Concen: 2.666 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

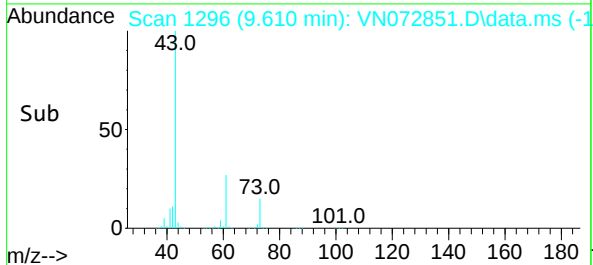
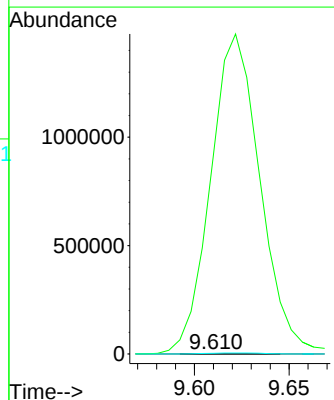
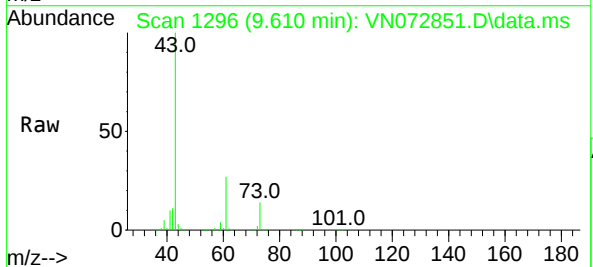
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

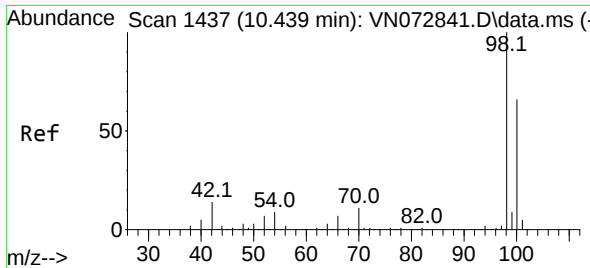
Tgt Ion: 41 Resp: 14624
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 3.874 ug/l
RT: 9.610 min Scan# 1296
Delta R.T. 0.041 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 88 Resp: 431
Ion Ratio Lower Upper
88 100
43 632679.4 20.2 30.4#
58 2318.6 54.2 81.4#

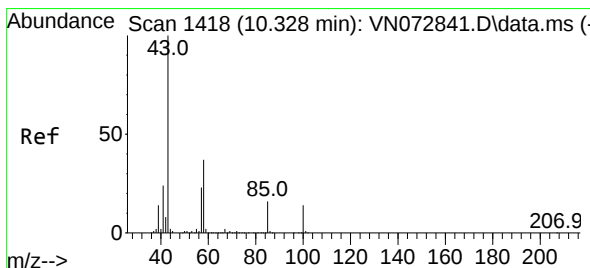
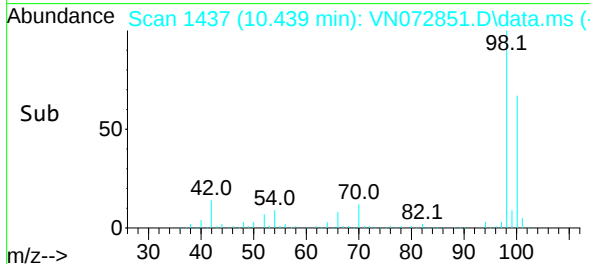
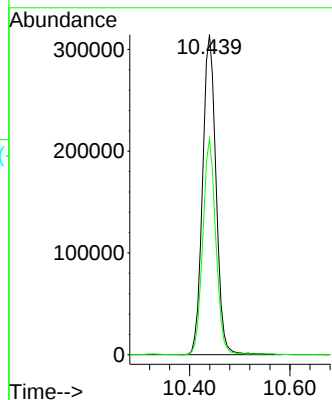
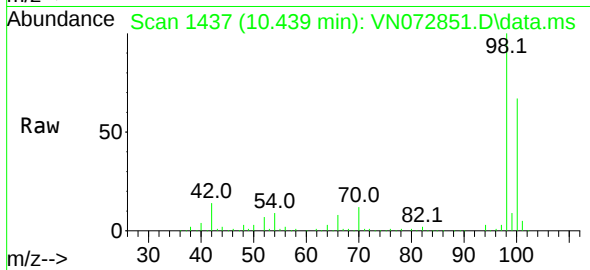




#50
Toluene-d8
Concen: 42.786 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

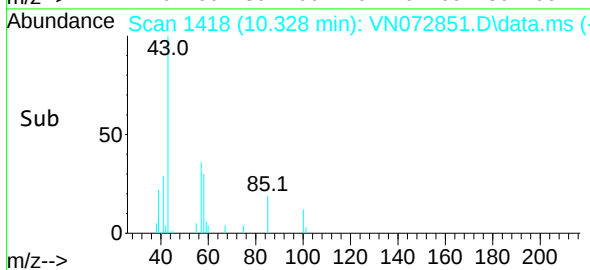
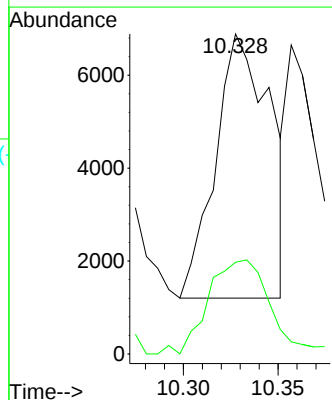
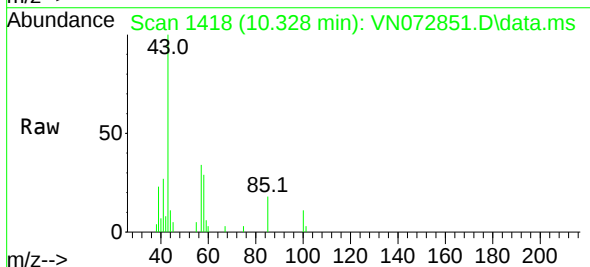
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

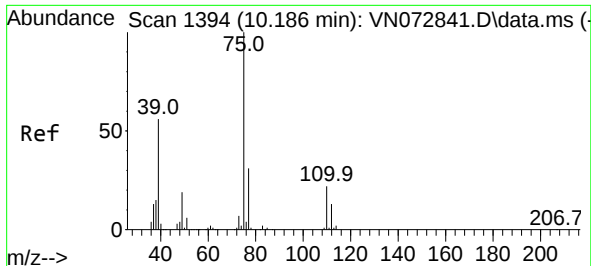
Tgt Ion: 98 Resp: 585225
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.452 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 43 Resp: 11449
Ion Ratio Lower Upper
43 100
58 40.0 34.1 51.1

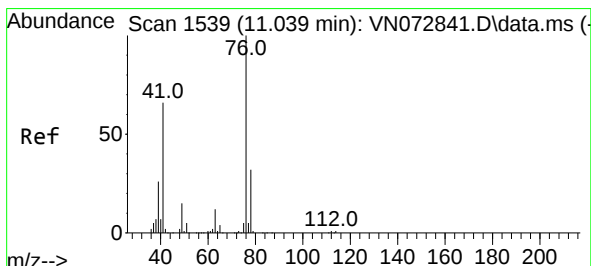
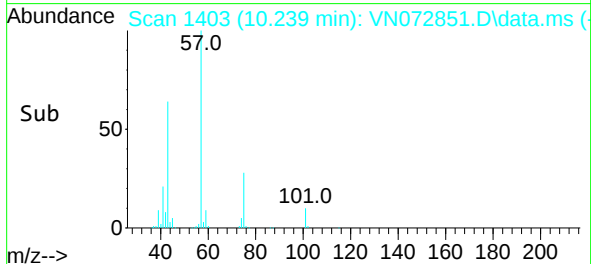
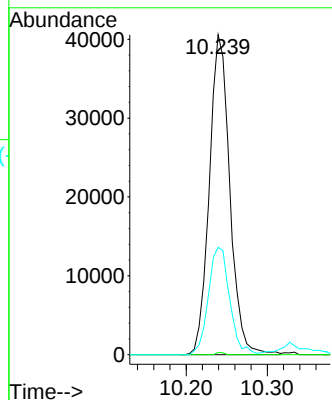
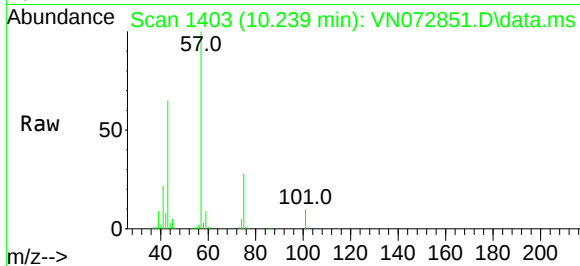




#54
 cis-1,3-Dichloropropene
 Concen: 12.115 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072851.D
 Acq: 14 Jun 2022 23:51

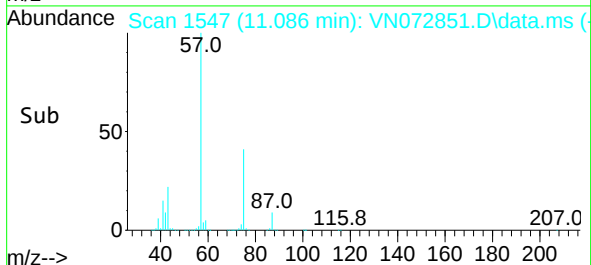
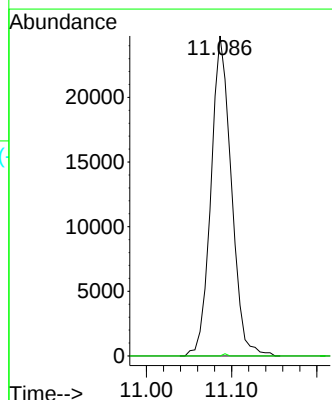
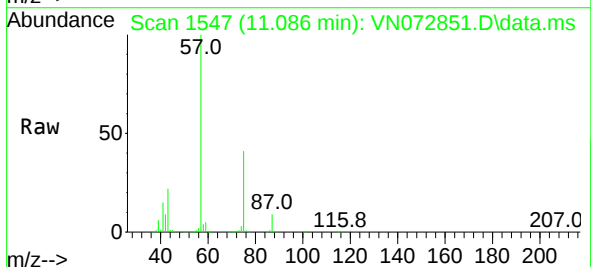
Instrument :
 MSVOA_N
 ClientSampleId :
 PB145494ZHE#03

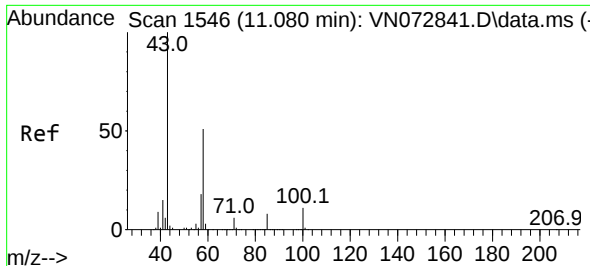
Tgt Ion: 75 Resp: 71091
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 33.5 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.836 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072851.D
 Acq: 14 Jun 2022 23:51

Tgt Ion: 76 Resp: 41162
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.2 39.2#

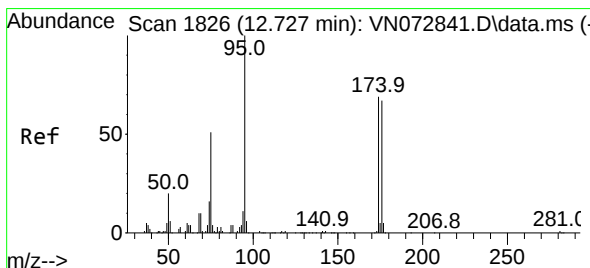
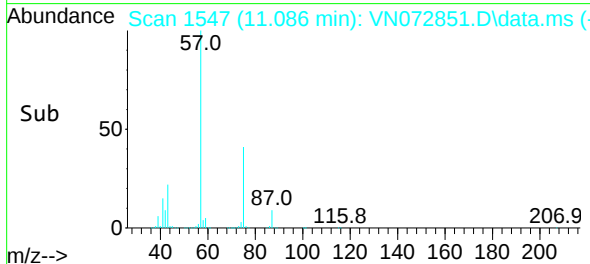
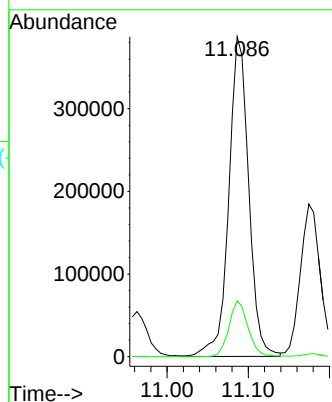
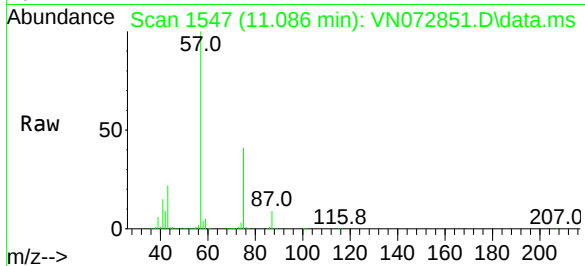




#59
2-Hexanone
Concen: 111.239 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

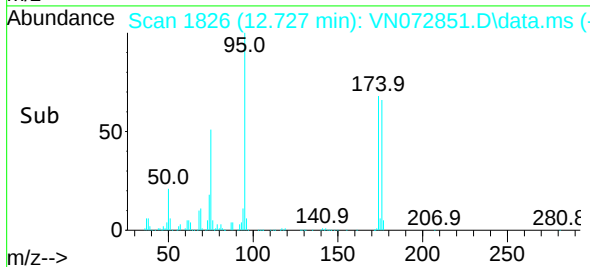
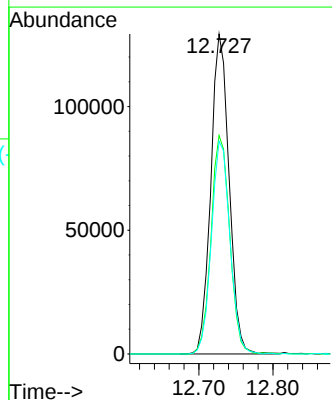
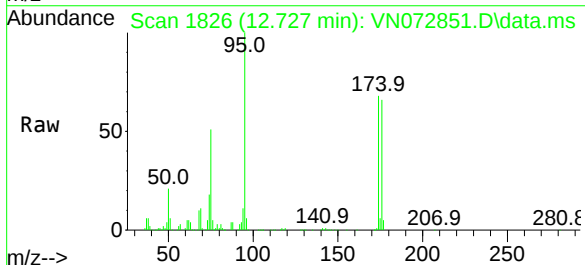
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

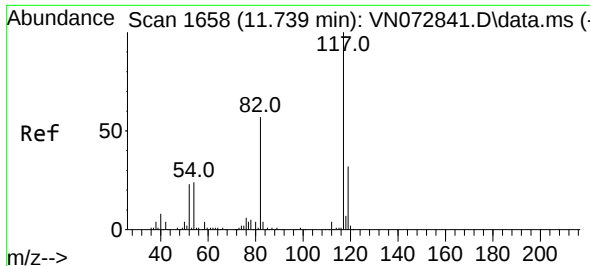
Tgt Ion: 43 Resp: 658657
Ion Ratio Lower Upper
43 100
58 16.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 48.255 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 95 Resp: 221562
Ion Ratio Lower Upper
95 100
174 69.7 0.0 167.6
176 67.4 0.0 163.4

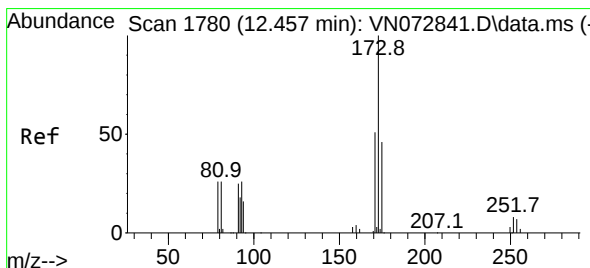
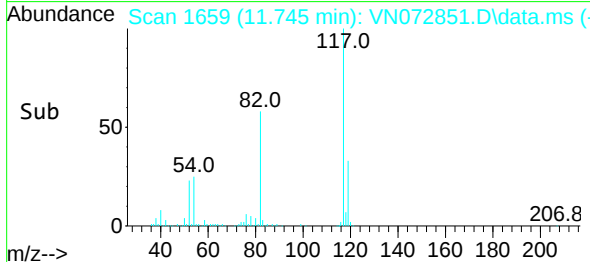
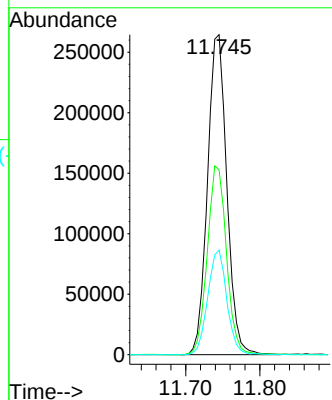
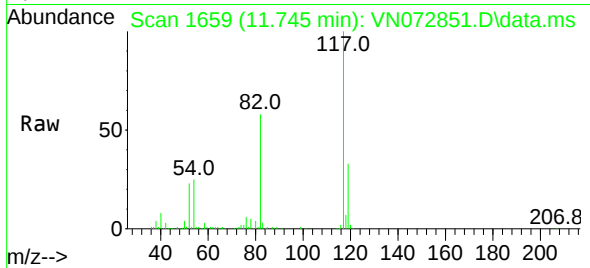




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

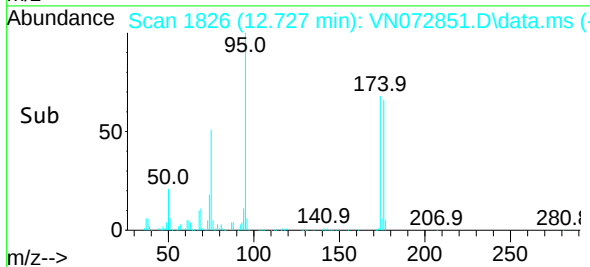
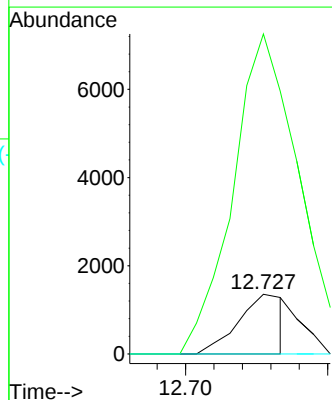
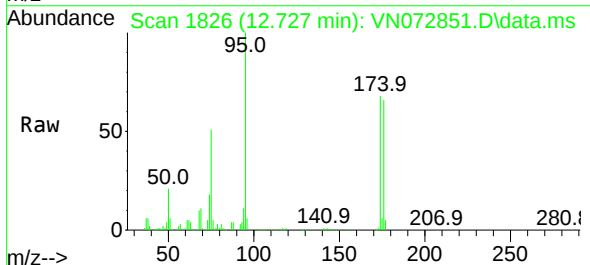
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

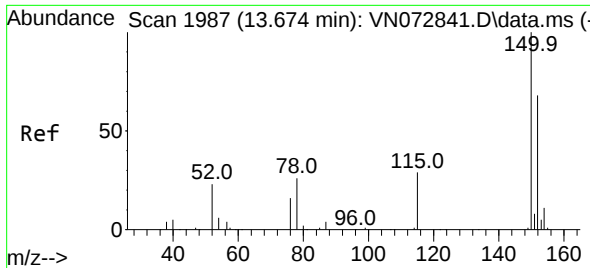
Tgt Ion:117 Resp: 478658
Ion Ratio Lower Upper
117 100
82 57.8 44.2 66.2
119 32.7 25.4 38.0



#71
Bromoform
Concen: 0.585 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion:173 Resp: 1525
Ion Ratio Lower Upper
173 100
175 574.0 24.6 73.6#
254 0.0 0.1 0.1#

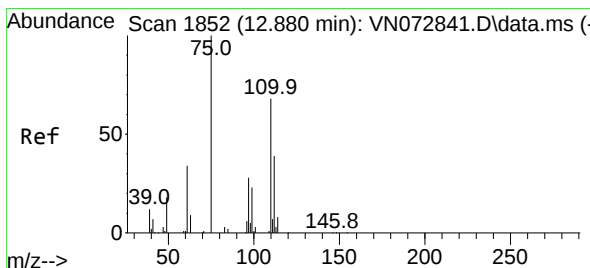
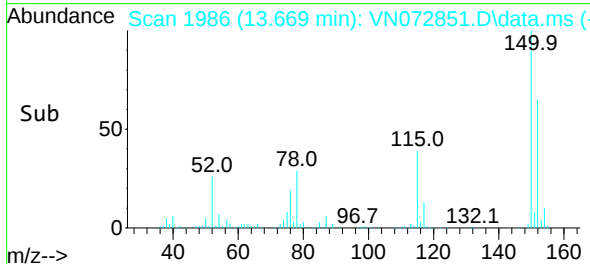
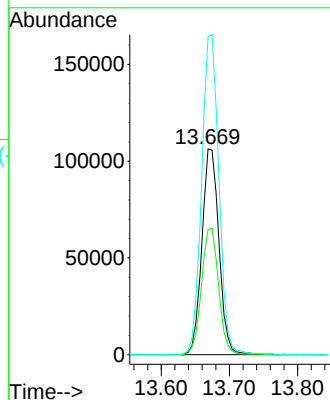
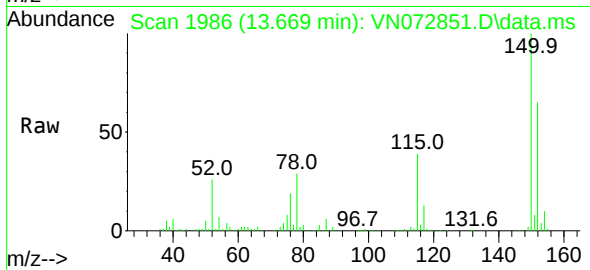




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.005 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

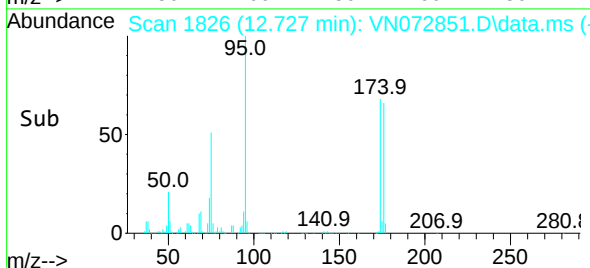
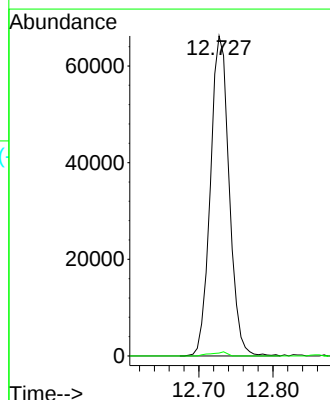
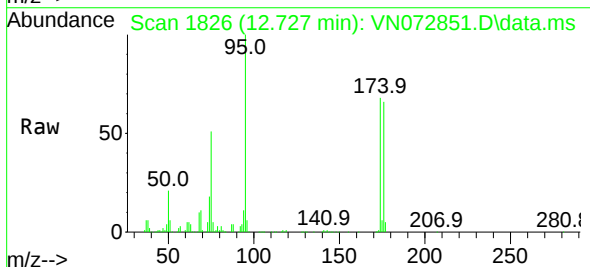
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

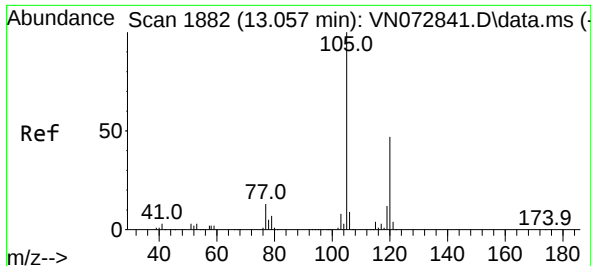
Tgt Ion:152 Resp: 184859
Ion Ratio Lower Upper
152 100
115 61.6 28.9 86.7
150 157.6 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 21.868 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Tgt Ion: 75 Resp: 116606
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

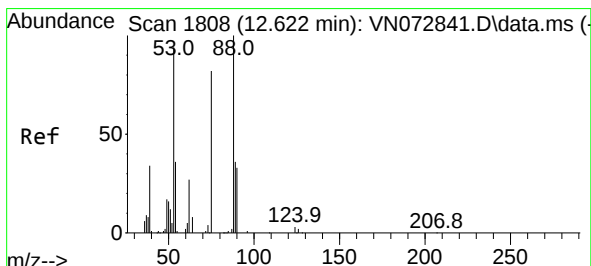
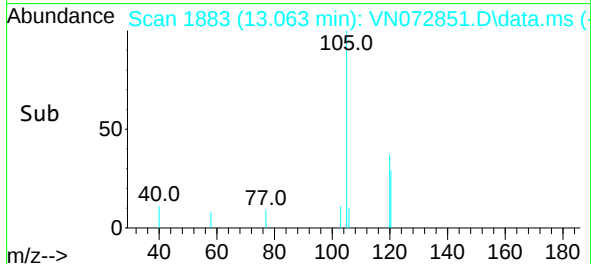
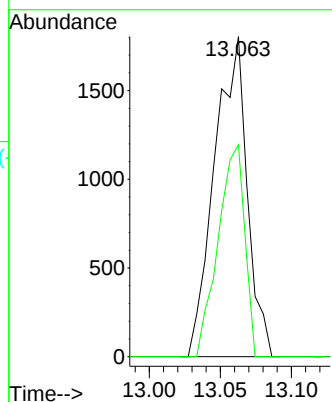
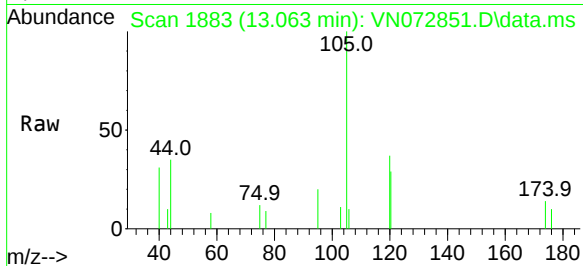




#80
1,3,5-Trimethylbenzene
Concen: 0.213 ug/l
RT: 13.063 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

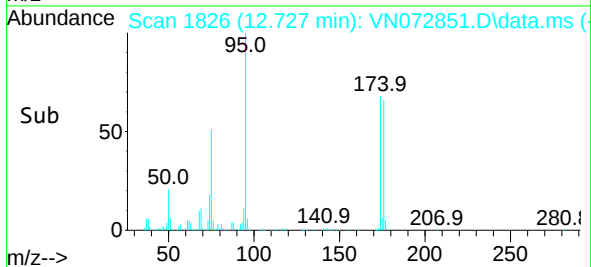
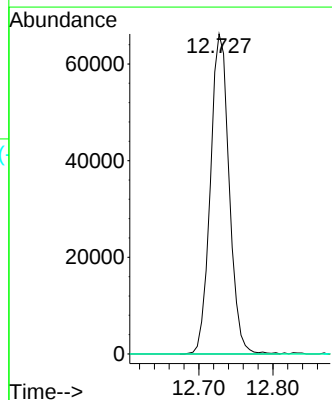
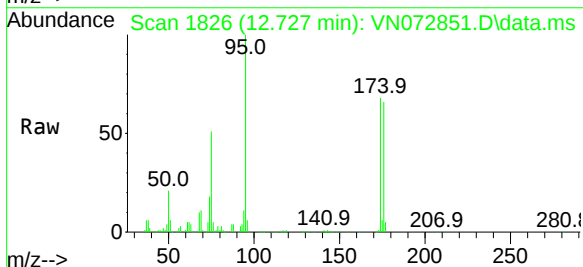
Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03

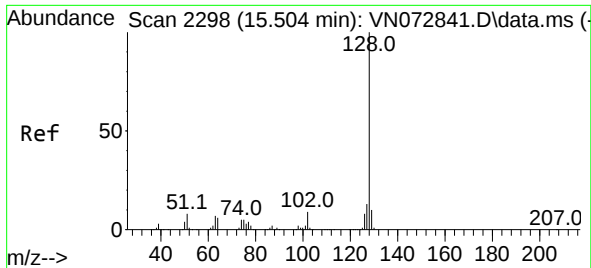
Tgt Ion:105 Resp: 2879
Ion Ratio Lower Upper
105 100
120 53.7 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 68.008 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

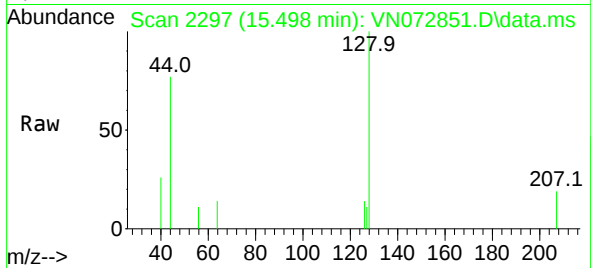
Tgt Ion: 75 Resp: 116606
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.235 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072851.D
Acq: 14 Jun 2022 23:51

Instrument :
MSVOA_N
ClientSampleId :
PB145494ZHE#03



Tgt Ion:128 Resp: 2727
Ion Ratio Lower Upper
128 100
127 3.9 10.3 15.5#
129 4.4 8.6 13.0#

