

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050923\
 Data File : VN077639.D
 Acq On : 09 May 2023 18:07
 Operator : JC\MD
 Sample : PB152652ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152652ZHE#05

Quant Time: May 10 04:49:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050923W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 09 13:52:31 2023
 Response via : Initial Calibration

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

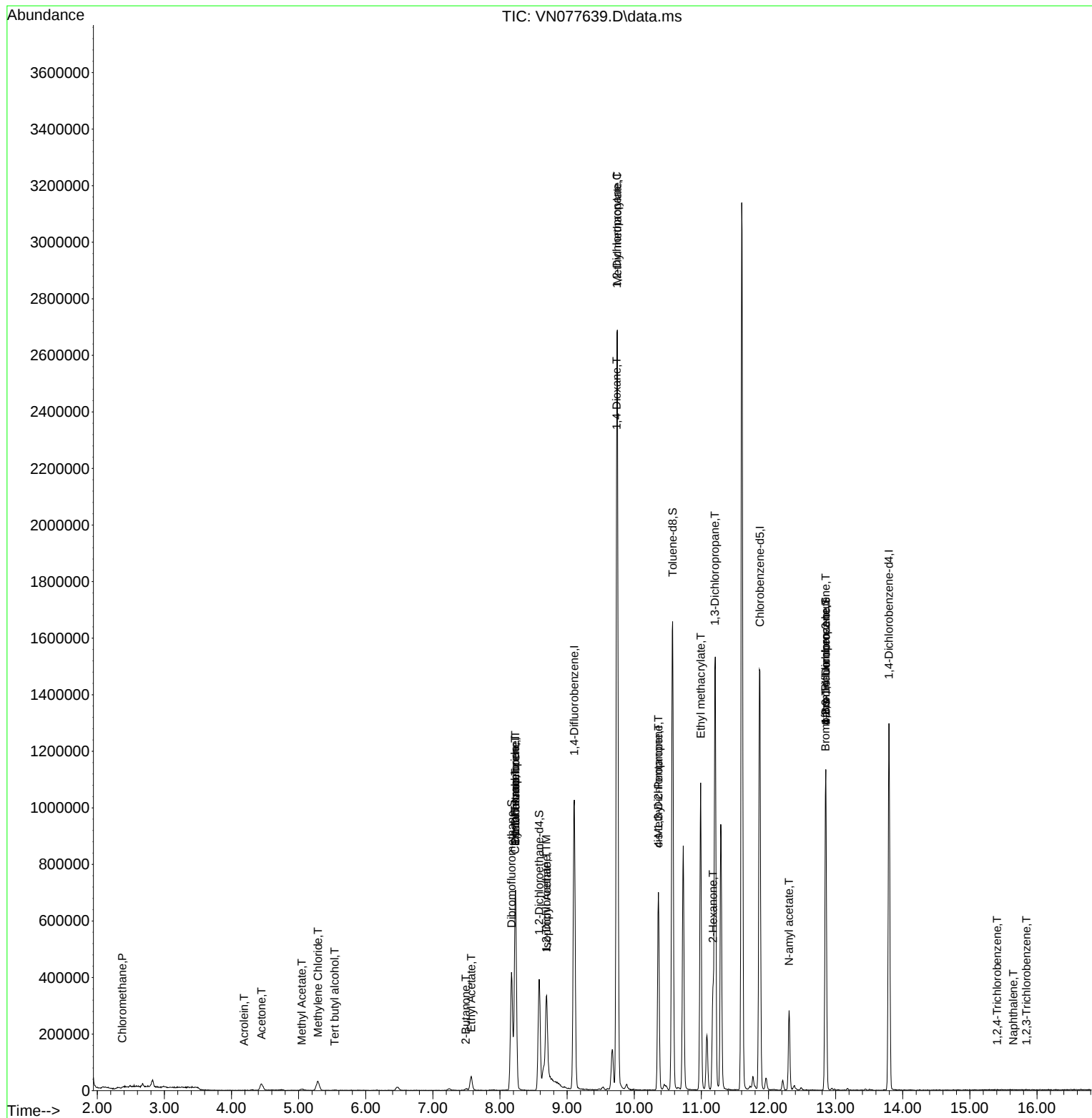
Internal Standards						
1) Pentafluorobenzene	8.230	168	520576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	967074	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	972708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	350288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	328471	49.752	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.500%		
35) Dibromofluoromethane	8.172	113	296741	49.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.400%		
50) Toluene-d8	10.571	98	1214898	53.203	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.400%		
62) 4-Bromofluorobenzene	12.854	95	415181	53.756	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	2191	0.418	ug/l	96
11) Tert butyl alcohol	5.536	59	1708	2.199	ug/l #	72
13) Acrolein	4.189	56	417	0.554	ug/l #	34
16) Acetone	4.448	43	43298	27.617	ug/l	93
18) Methyl Acetate	5.048	43	8366	1.346	ug/l #	87
20) Methylene Chloride	5.289	84	28641	4.408	ug/l #	89
25) 2-Butanone	7.489	43	8813	3.846	ug/l	96
31) Cyclohexane	8.230	56	11416	1.353	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	44057	5.293	ug/l #	47
37) Ethyl Acetate	7.572	43	66512	13.975	ug/l	96
38) Carbon Tetrachloride	8.224	117	56297	6.191	ug/l #	14
42) 1,2-Dichloroethane	8.689	62	3125	0.370	ug/l #	73
43) Isopropyl Acetate	8.695	43	445717	53.414	ug/l #	80
45) 1,2-Dichloropropane	9.742	63	4843	0.836	ug/l #	45
48) Methyl methacrylate	9.748	41	232547	59.377	ug/l #	29
49) 1,4-Dioxane	9.736	88	869	7.461	ug/l #	1
51) 4-Methyl-2-Pentanone	10.360	43	226737	46.186	ug/l #	41
54) cis-1,3-Dichloropropene	10.360	75	151378	15.524	ug/l #	60
56) Ethyl methacrylate	10.989	69	3115	0.380	ug/l #	1
57) 1,3-Dichloropropane	11.201	76	21445	2.054	ug/l #	43
59) 2-Hexanone	11.171	43	246315	70.992	ug/l #	19
71) Bromoform	12.848	173	1958	0.448	ug/l #	1
74) N-amyl acetate	12.307	43	75332	10.924	ug/l #	48
76) 1,2,3-Trichloropropane	12.854	75	210041	29.056	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	210041	92.519	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.406	180	72	4.594	ug/l #	79
95) Naphthalene	15.648	128	1376	4.809	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.842	180	95	4.518	ug/l #	62

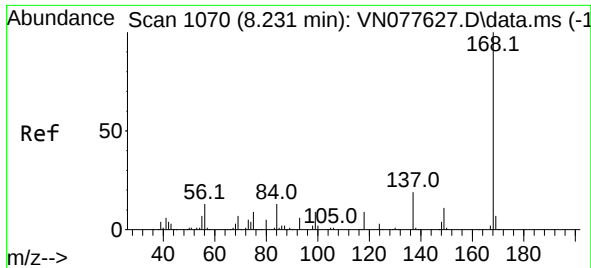
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 09 13:52:31 2023
Response via : Initial Calibration

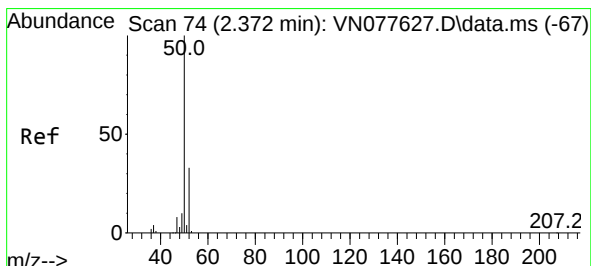
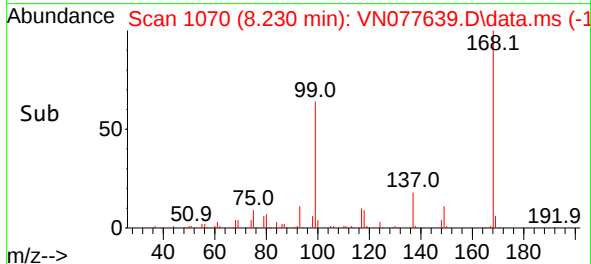
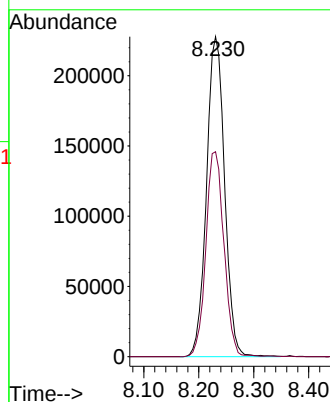
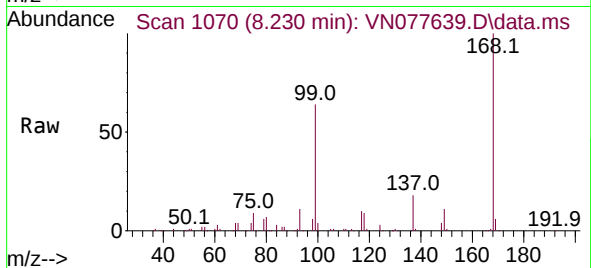




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

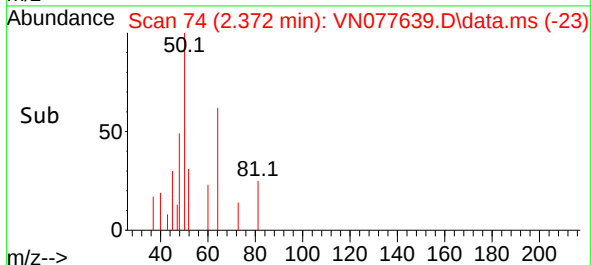
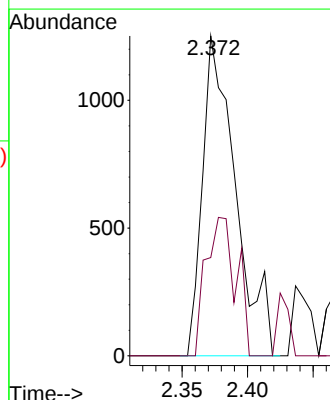
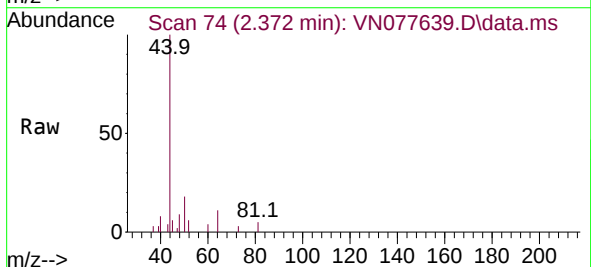
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

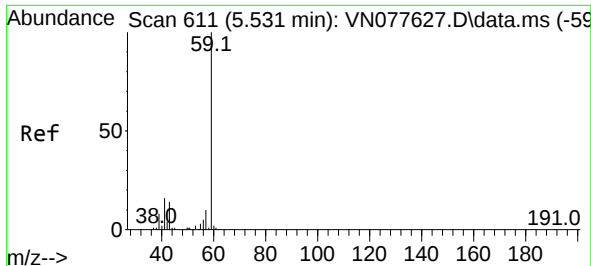
Tgt Ion:168 Resp: 520576
Ion Ratio Lower Upper
168 100
99 64.1 53.0 79.6



#3
Chloromethane
Concen: 0.418 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 50 Resp: 2191
Ion Ratio Lower Upper
50 100
52 30.8 26.5 39.7

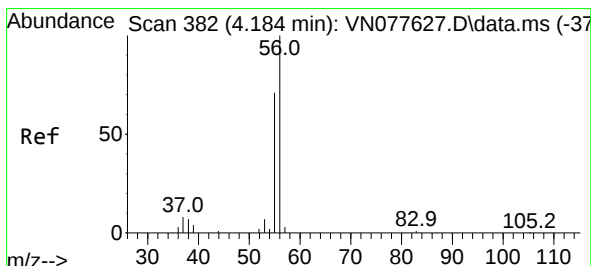
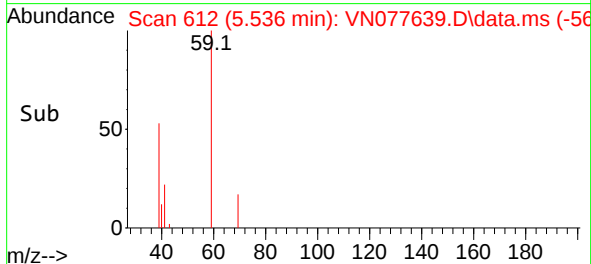
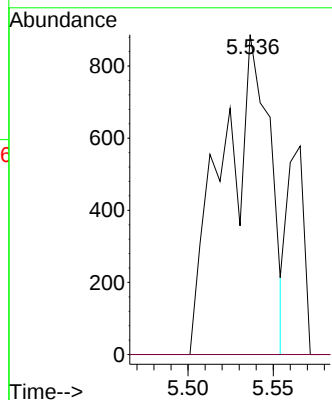
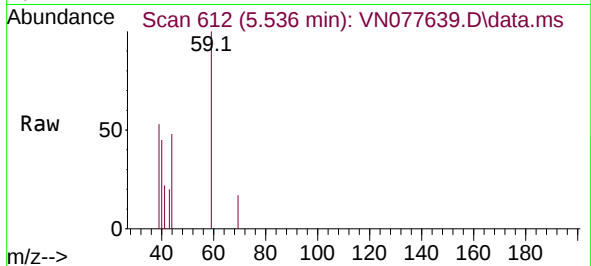




#11
Tert butyl alcohol
Concen: 2.199 ug/l
RT: 5.536 min Scan# 611
Delta R.T. 0.005 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

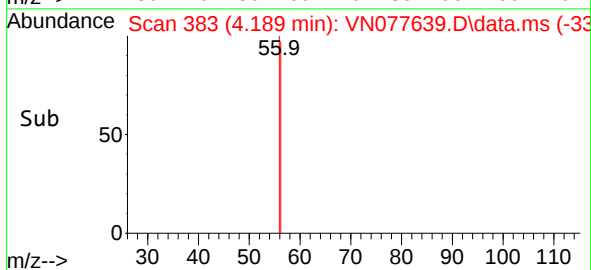
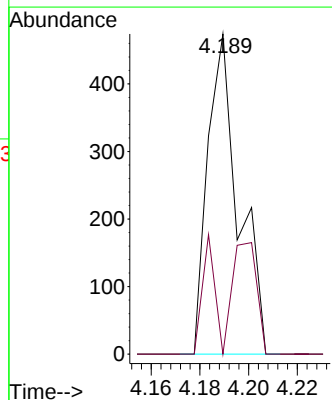
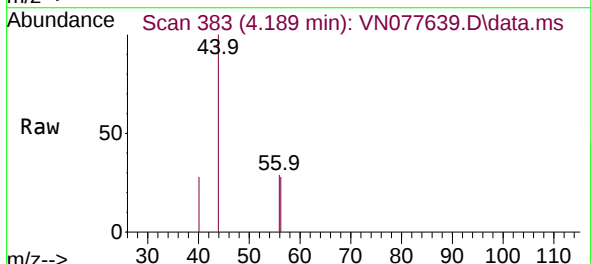
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

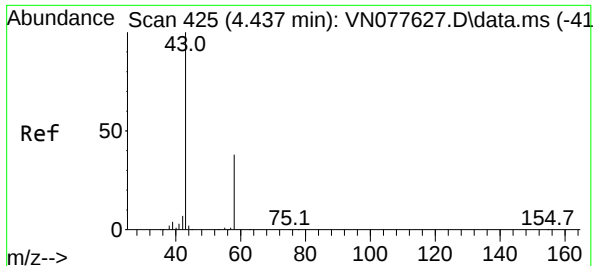
Tgt Ion: 59 Resp: 1708
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.554 ug/l
RT: 4.189 min Scan# 383
Delta R.T. 0.005 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
55 14.9 54.5 81.7#

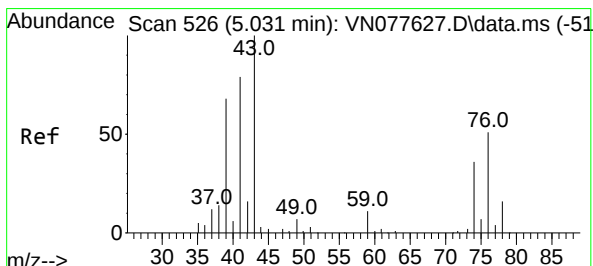
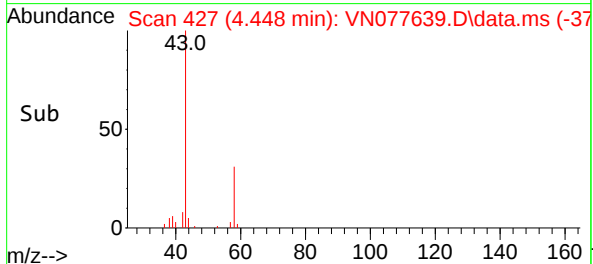
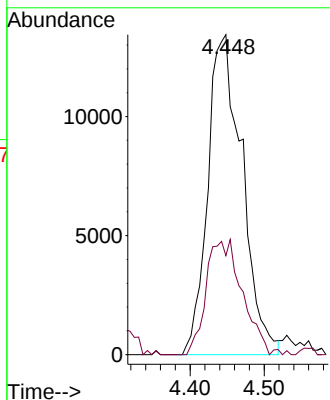
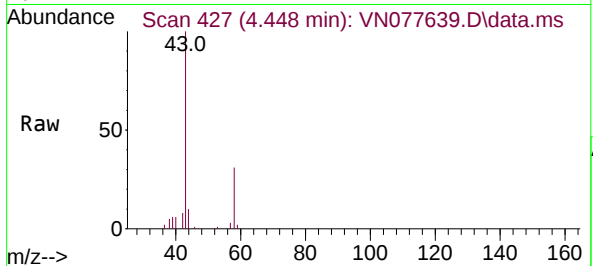




#16
Acetone
Concen: 27.617 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

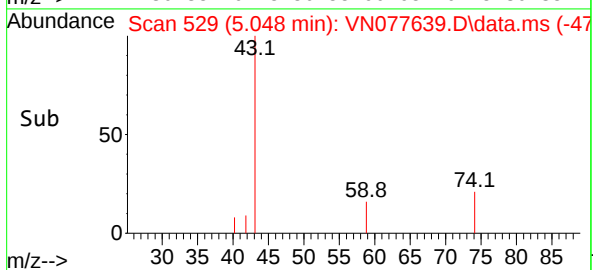
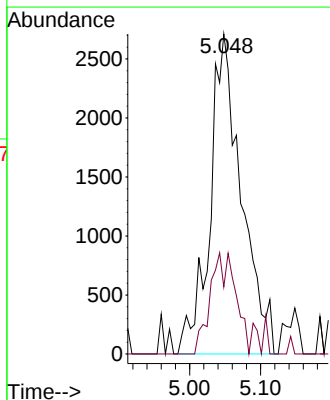
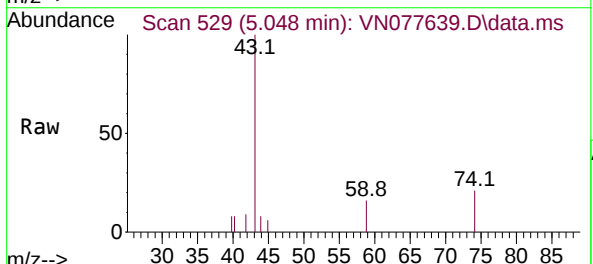
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

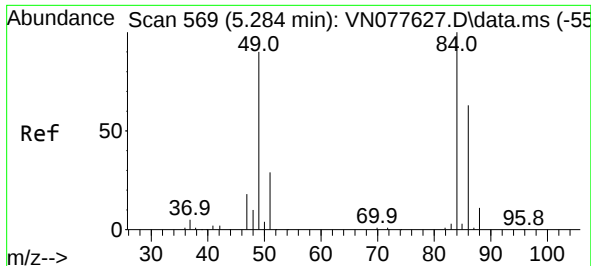
Tgt Ion: 43 Resp: 43298
Ion Ratio Lower Upper
43 100
58 31.0 28.0 42.0



#18
Methyl Acetate
Concen: 1.346 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.017 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 43 Resp: 8366
Ion Ratio Lower Upper
43 100
74 25.5 26.2 39.4#

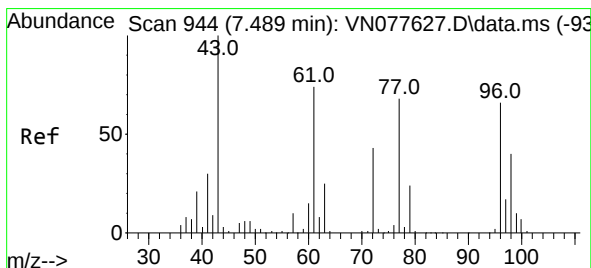
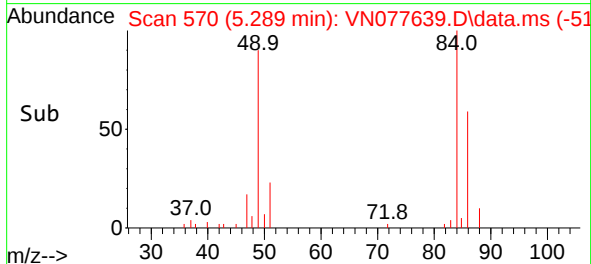
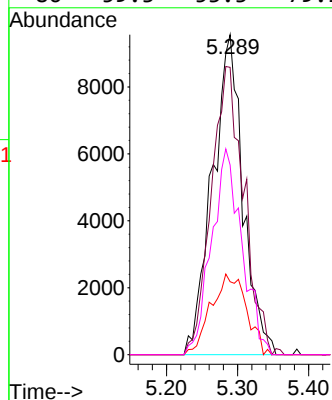
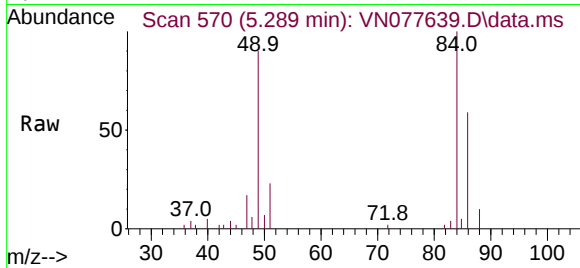




#20
Methylene Chloride
Concen: 4.408 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

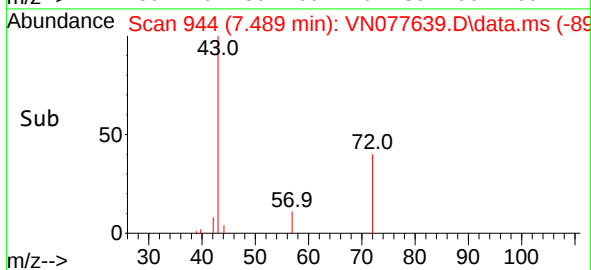
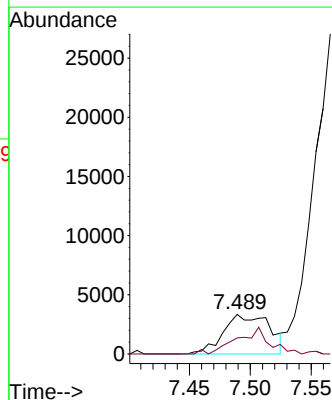
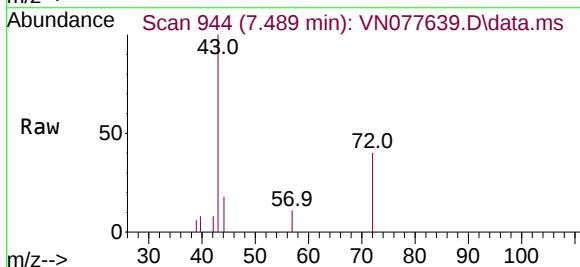
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

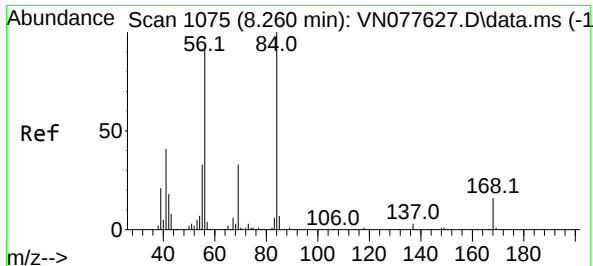
Tgt Ion:	84	Resp:	28641
Ion	Ratio	Lower	Upper
84	100		
49	89.8	79.7	119.5
51	22.8	25.2	37.8#
86	59.3	53.3	79.9



#25
2-Butanone
Concen: 3.846 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

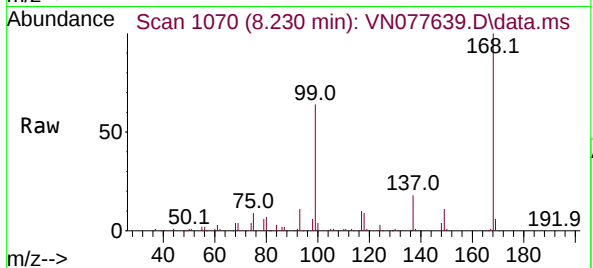
Tgt Ion:	43	Resp:	8813
Ion	Ratio	Lower	Upper
43	100		
72	40.4	30.2	45.2



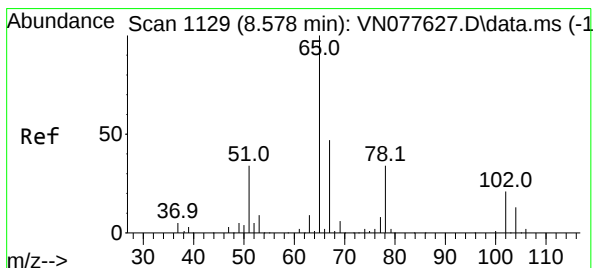
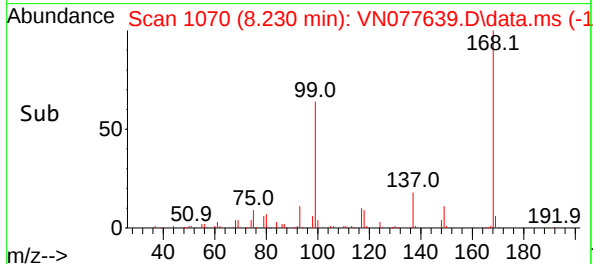
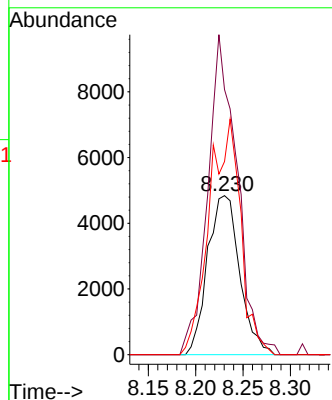


#31
Cyclohexane
Concen: 1.353 ug/l
RT: 8.230 min Scan# 1130
Delta R.T. -0.030 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

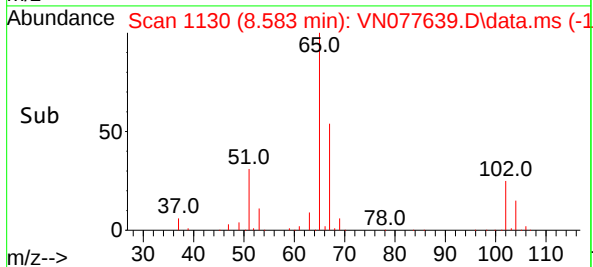
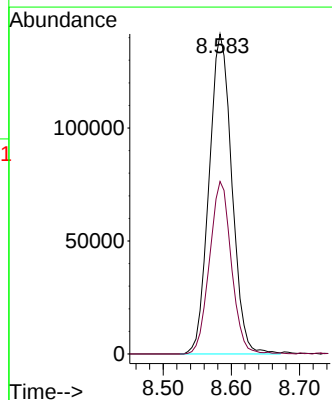
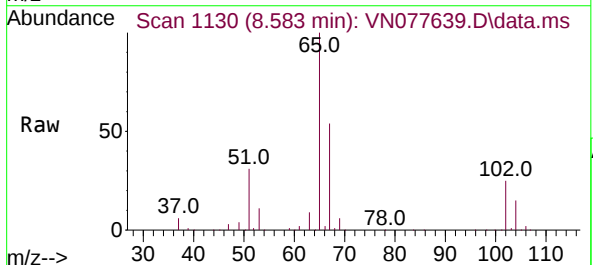


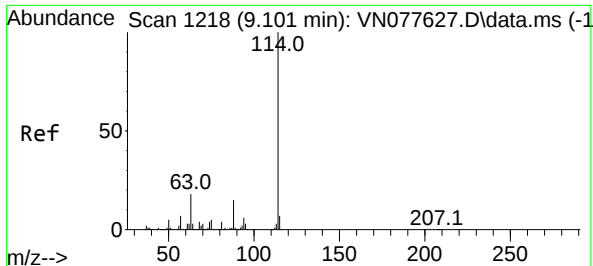
Tgt Ion: 56 Resp: 11416
Ion Ratio Lower Upper
56 100
69 166.7 26.8 40.2#
84 121.5 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 49.752 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 65 Resp: 328471
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN077639.D

Acq: 09 May 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB152652ZHE#05

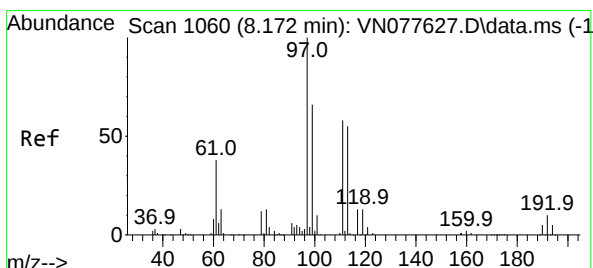
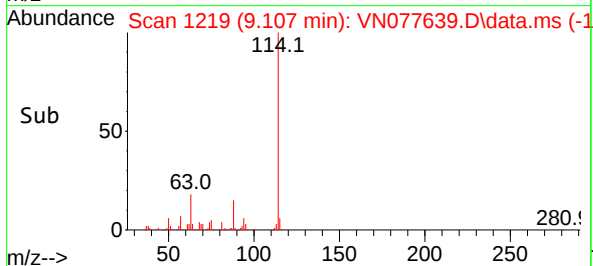
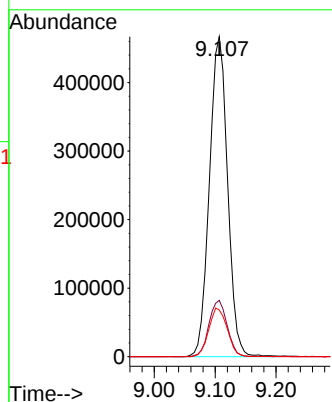
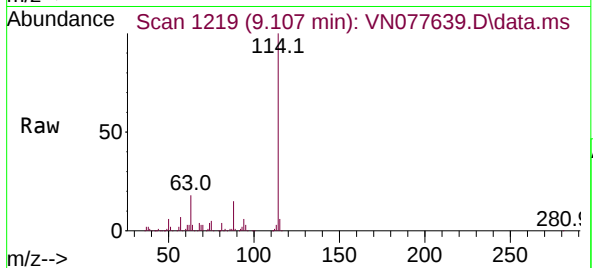
Tgt Ion:114 Resp: 967074

Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.199 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077639.D

Acq: 09 May 2023 18:07

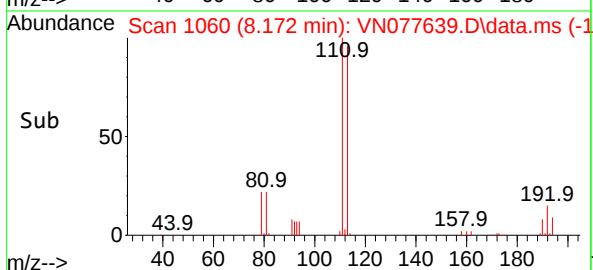
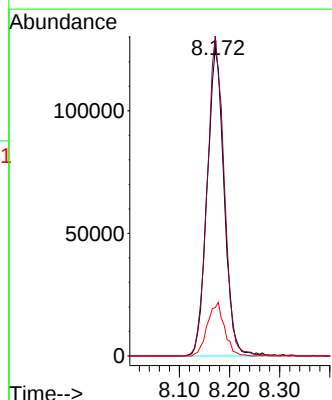
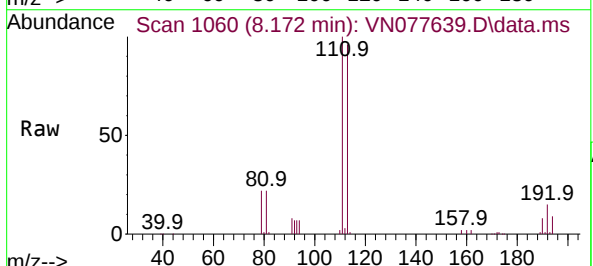
Tgt Ion:113 Resp: 296741

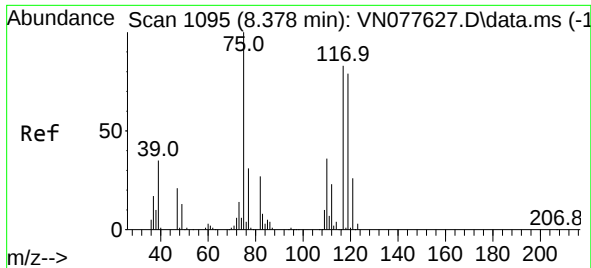
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.4 12.7 19.1

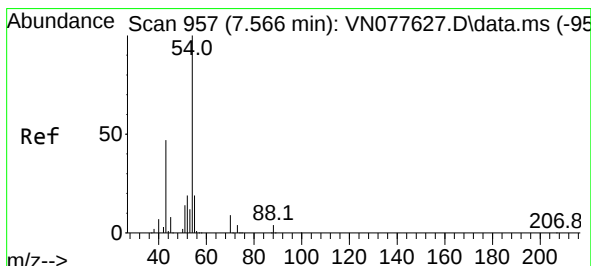
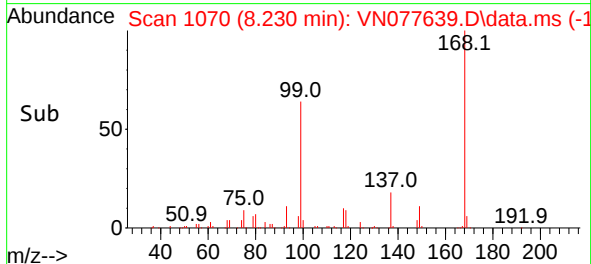
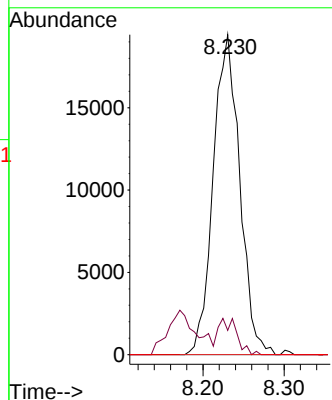
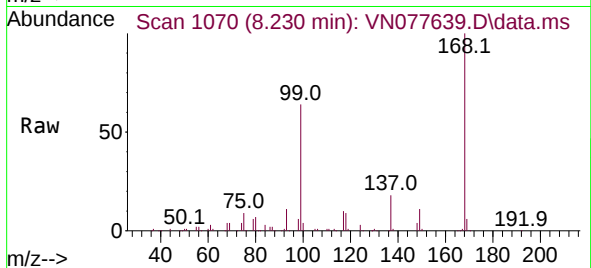




#36
1,1-Dichloropropene
Concen: 5.293 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

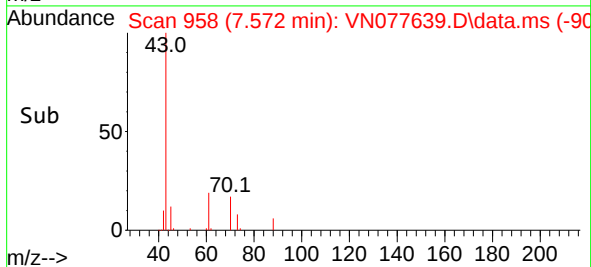
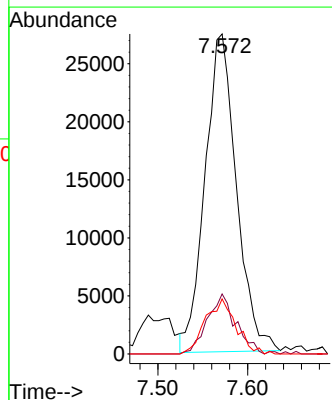
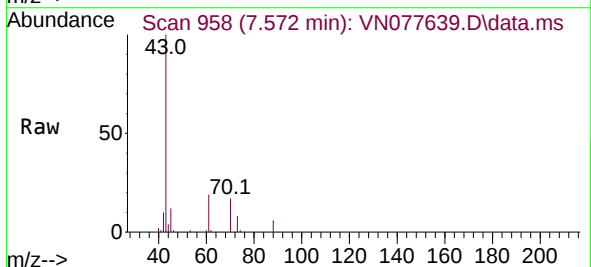
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

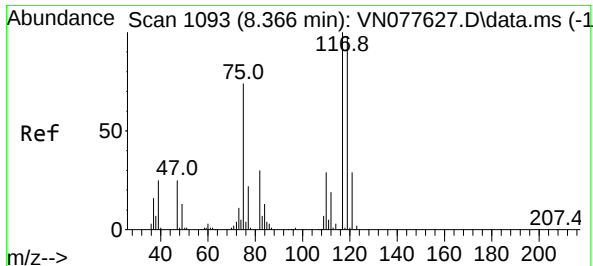
Tgt Ion: 75 Resp: 44057
Ion Ratio Lower Upper
75 100
110 7.9 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 13.975 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.006 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 43 Resp: 66512
Ion Ratio Lower Upper
43 100
61 17.1 13.2 19.8
70 16.9 11.3 16.9

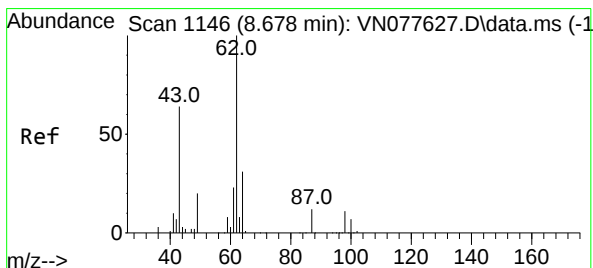
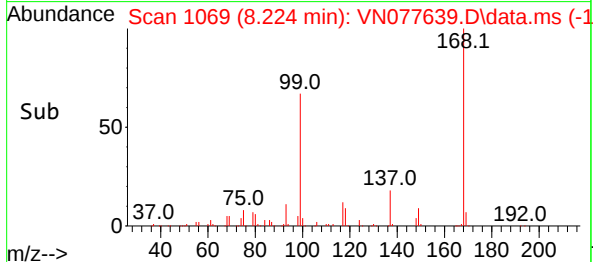
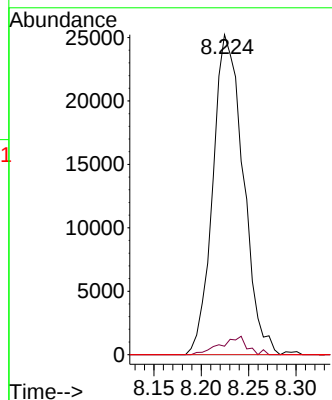
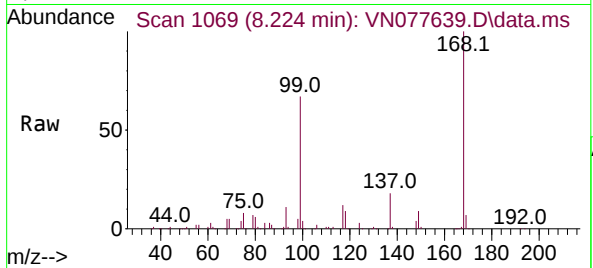




#38
Carbon Tetrachloride
Concen: 6.191 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.142 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

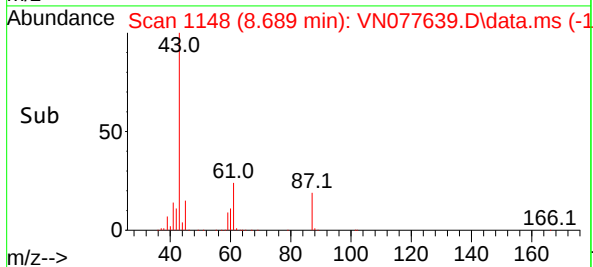
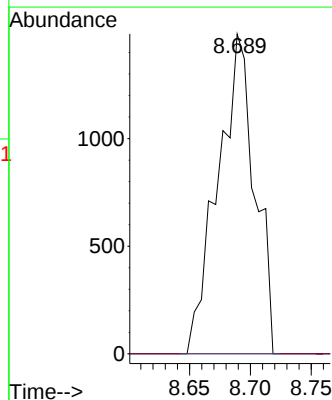
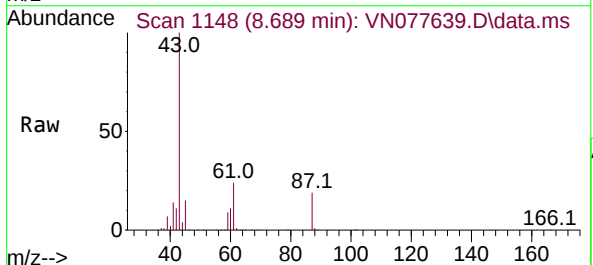
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

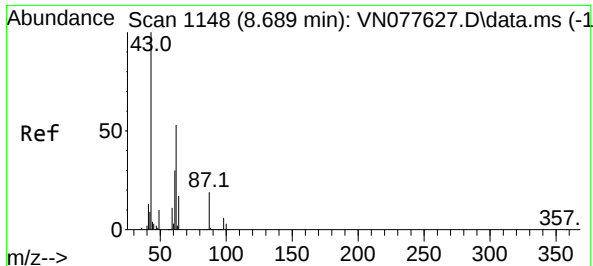
Tgt Ion:117 Resp: 56297
Ion Ratio Lower Upper
117 100
119 2.6 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.370 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.011 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 62 Resp: 3125
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

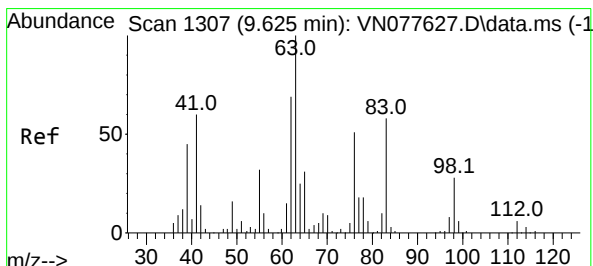
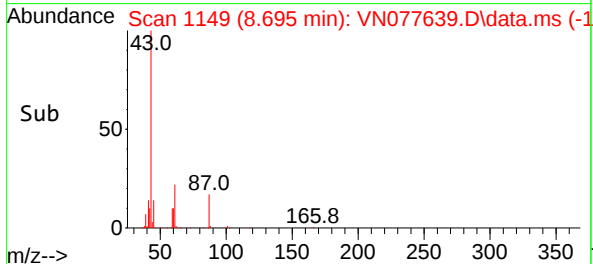
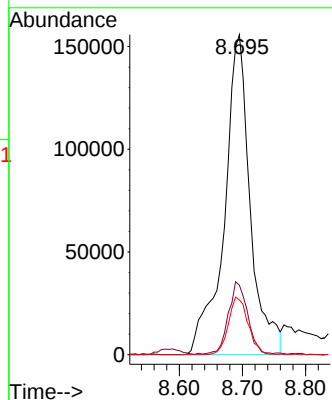
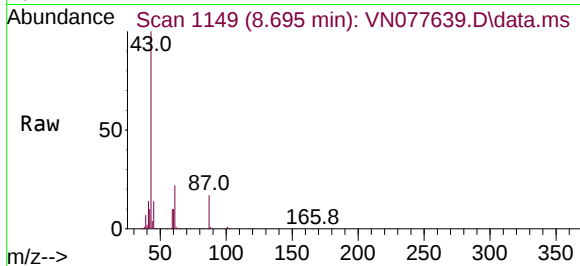




#43
Isopropyl Acetate
Concen: 53.414 ug/l
RT: 8.695 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

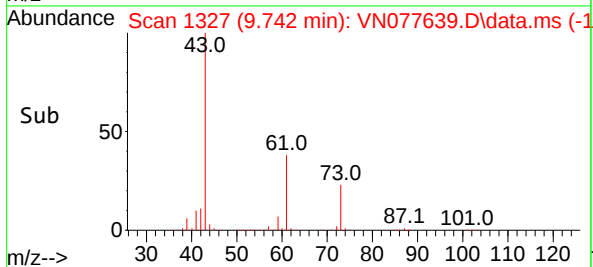
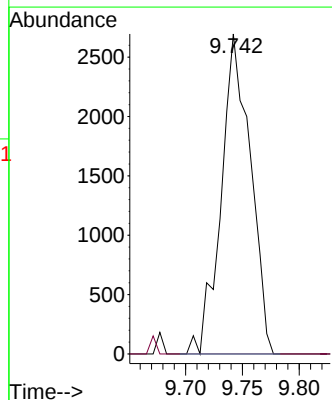
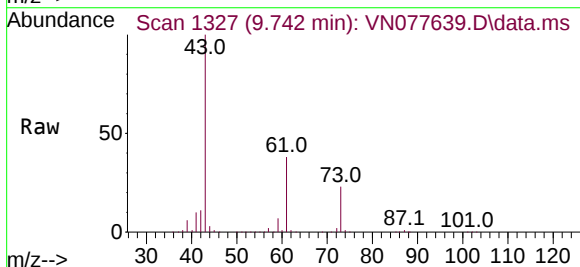
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

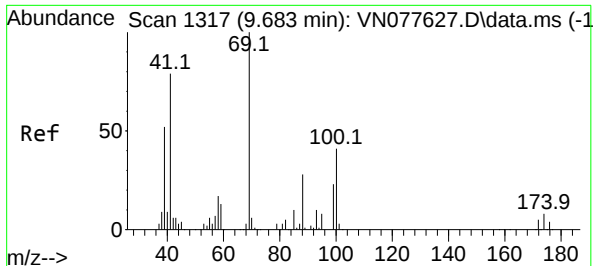
Tgt Ion: 43 Resp: 445717
Ion Ratio Lower Upper
43 100
61 16.8 24.7 37.1#
87 13.6 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.836 ug/l
RT: 9.742 min Scan# 1327
Delta R.T. 0.117 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 63 Resp: 4843
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

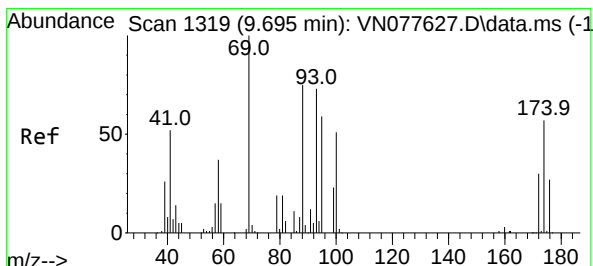
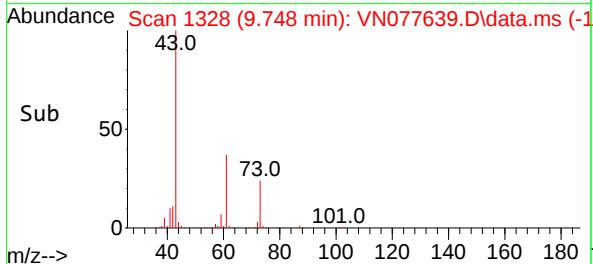
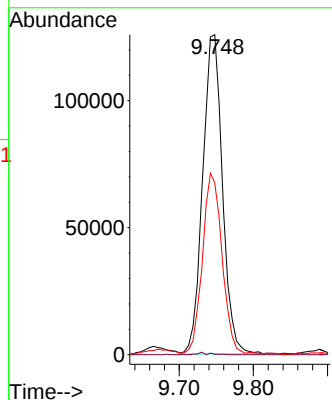
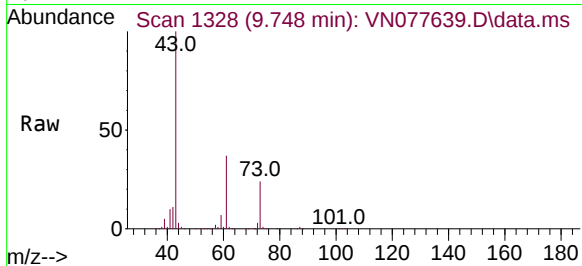




#48
Methyl methacrylate
Concen: 59.377 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

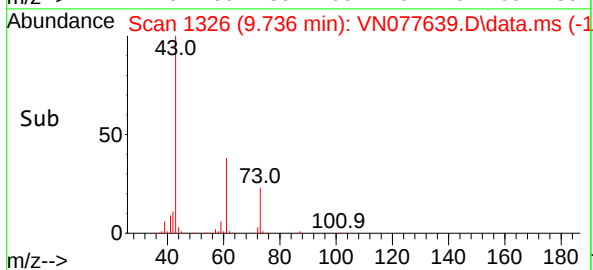
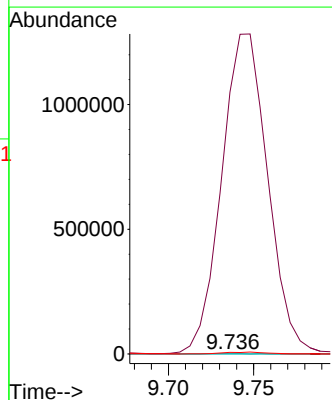
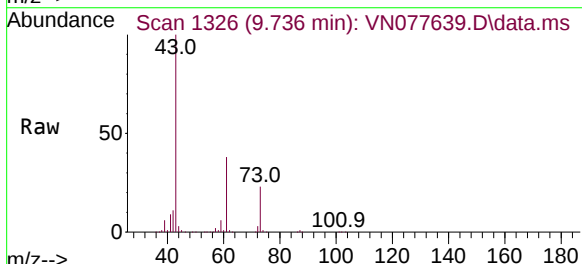
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

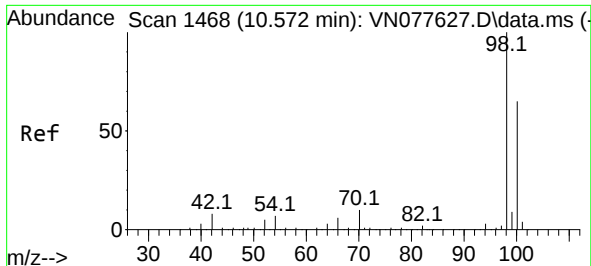
Tgt Ion: 41 Resp: 232547
Ion Ratio Lower Upper
41 100
69 0.4 90.4 135.6#
39 56.3 54.6 81.8



#49
1,4-Dioxane
Concen: 7.461 ug/l
RT: 9.736 min Scan# 1326
Delta R.T. 0.041 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 88 Resp: 869
Ion Ratio Lower Upper
88 100
43 279510.9 17.0 25.6#
58 1599.0 47.0 70.4#

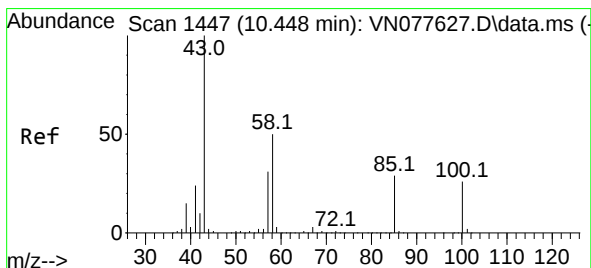
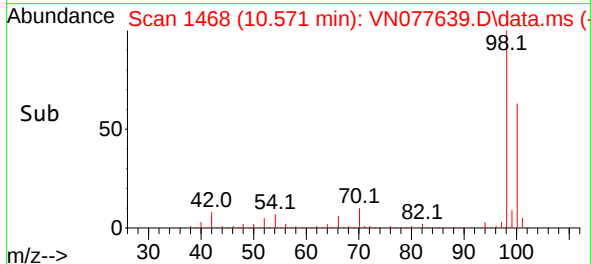
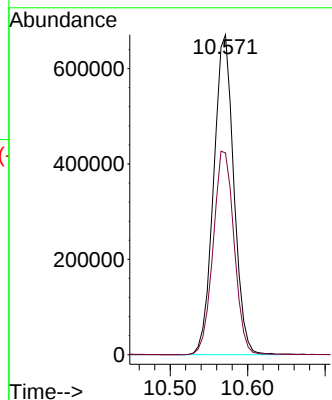
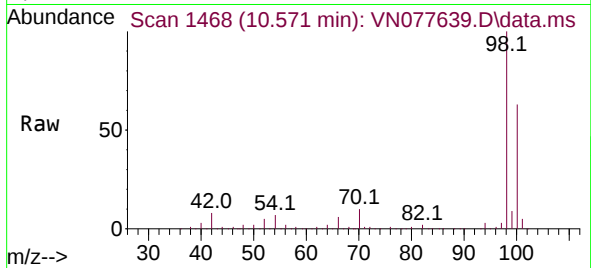




#50
Toluene-d8
Concen: 53.203 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

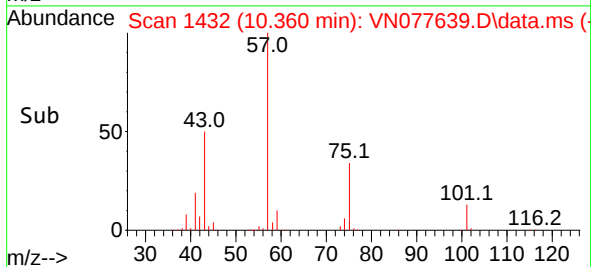
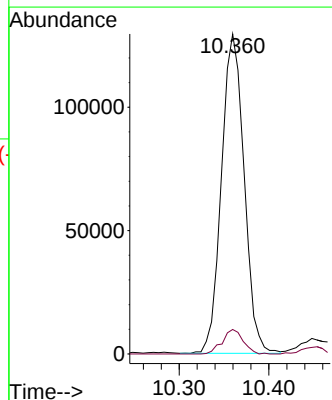
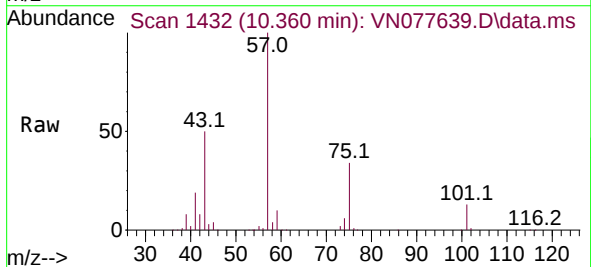
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

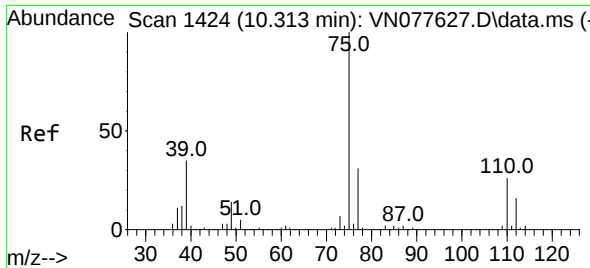
Tgt Ion: 98 Resp: 1214898
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 46.186 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. -0.088 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 43 Resp: 226737
Ion Ratio Lower Upper
43 100
58 7.1 36.6 54.8#

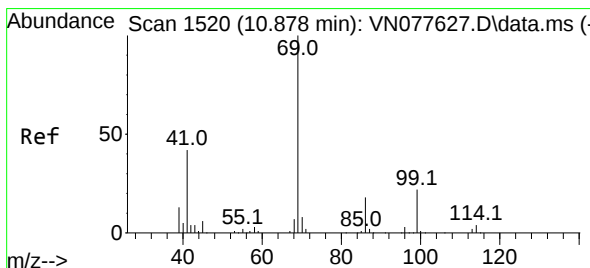
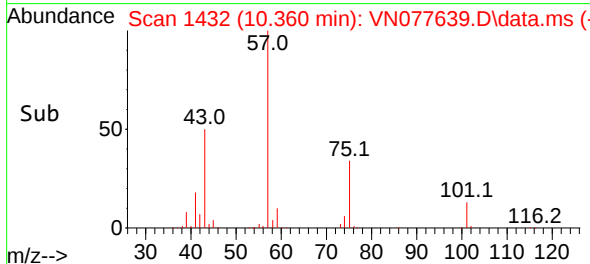
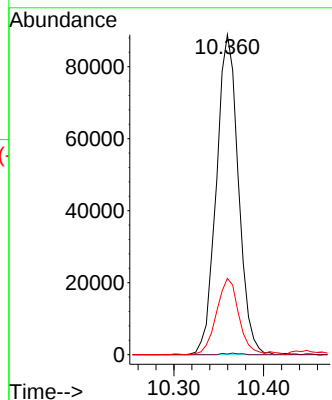
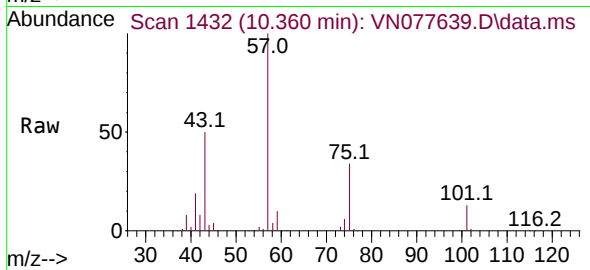




#54
 cis-1,3-Dichloropropene
 Concen: 15.524 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN077639.D
 Acq: 09 May 2023 18:07

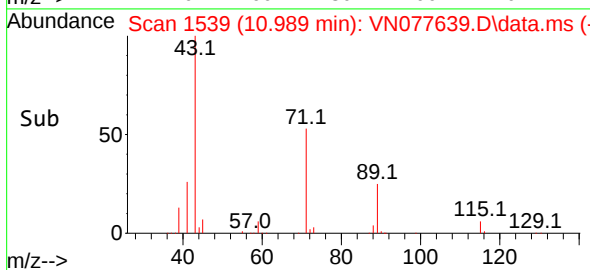
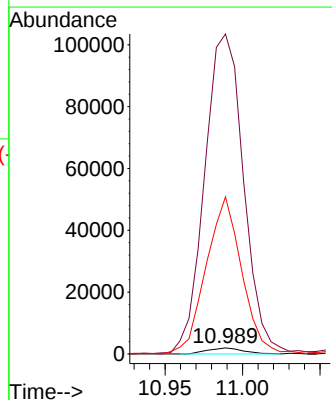
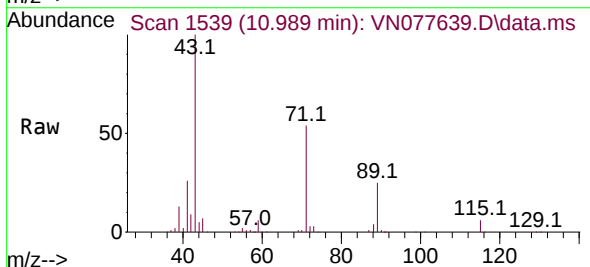
Instrument :
 MSVOA_N
 ClientSampleId :
 PB152652ZHE#05

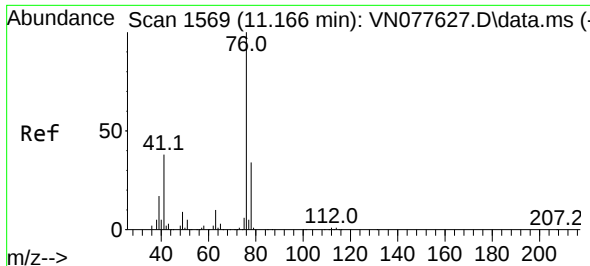
Tgt Ion: 75 Resp: 151378
 Ion Ratio Lower Upper
 75 100
 77 0.2 26.1 39.1#
 39 23.7 31.6 47.4#



#56
 Ethyl methacrylate
 Concen: 0.380 ug/l
 RT: 10.989 min Scan# 1539
 Delta R.T. 0.111 min
 Lab File: VN077639.D
 Acq: 09 May 2023 18:07

Tgt Ion: 69 Resp: 3115
 Ion Ratio Lower Upper
 69 100
 41 5838.1 39.6 59.4#
 39 2629.7 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 2.054 ug/l

RT: 11.201 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN077639.D

Acq: 09 May 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

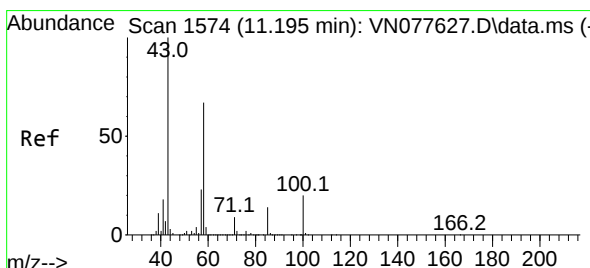
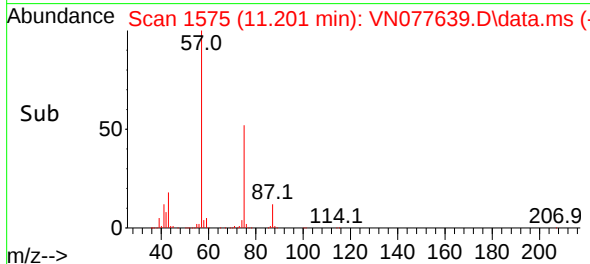
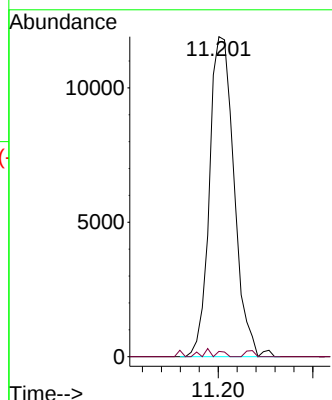
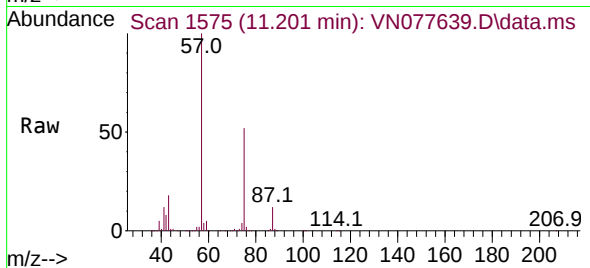
PB152652ZHE#05

Tgt Ion: 76 Resp: 21445

Ion Ratio Lower Upper

76 100

78 0.8 26.1 39.1#



#59

2-Hexanone

Concen: 70.992 ug/l

RT: 11.171 min Scan# 1570

Delta R.T. -0.024 min

Lab File: VN077639.D

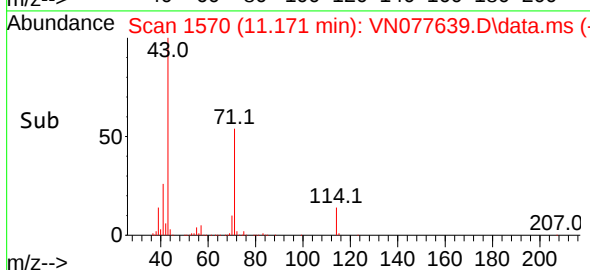
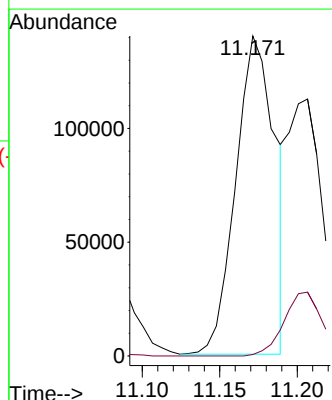
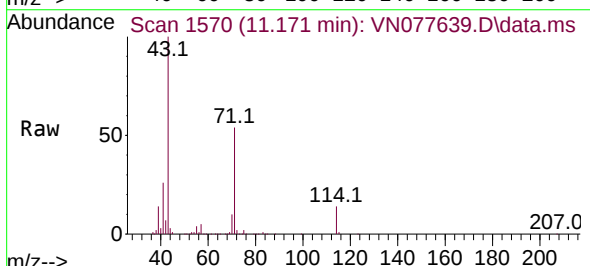
Acq: 09 May 2023 18:07

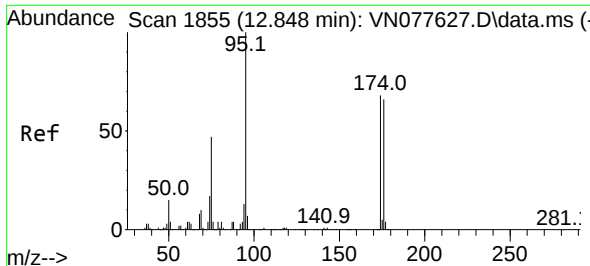
Tgt Ion: 43 Resp: 246315

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

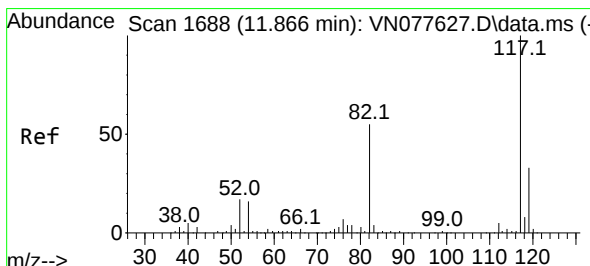
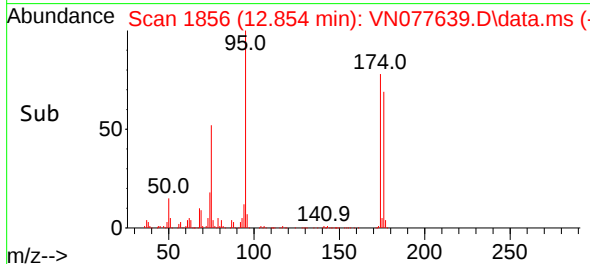
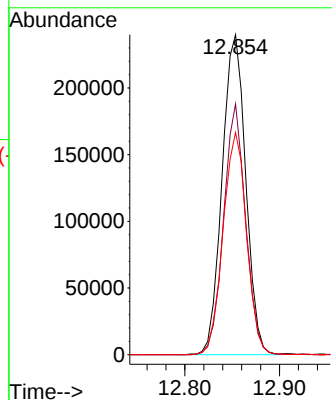
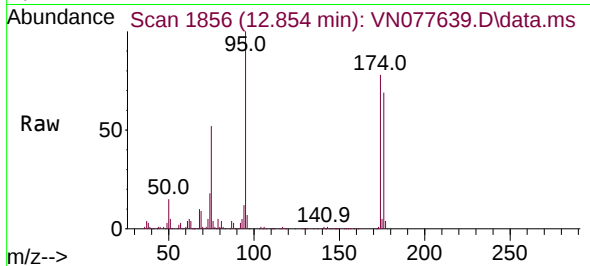




#62
4-Bromofluorobenzene
Concen: 53.756 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

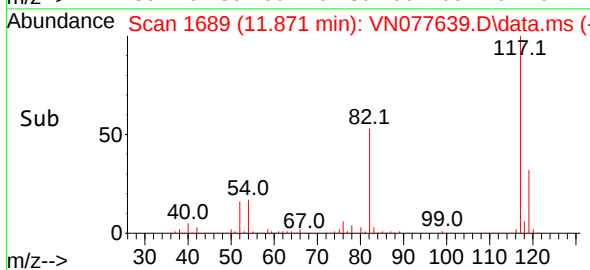
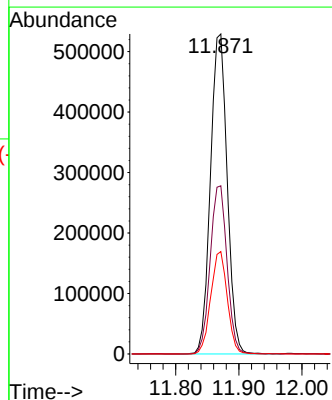
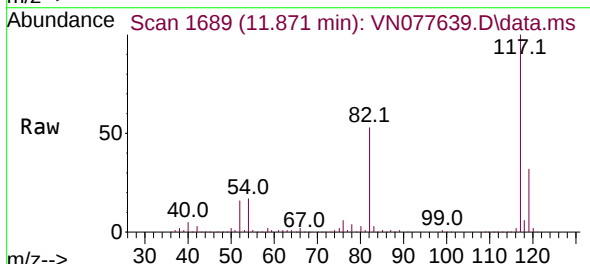
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

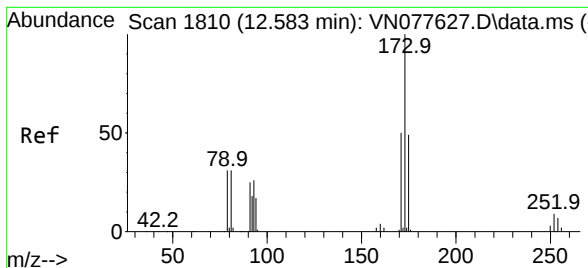
Tgt Ion: 95 Resp: 415181
Ion Ratio Lower Upper
95 100
174 72.9 0.0 143.8
176 69.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.005 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 117 Resp: 972708
Ion Ratio Lower Upper
117 100
82 52.6 44.0 66.0
119 32.0 25.6 38.4





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.848 min Scan# 1810

Delta R.T. 0.265 min

Lab File: VN077639.D

Acq: 09 May 2023 18:07

Instrument :

MSVOA_N

ClientSampleId :

PB152652ZHE#05

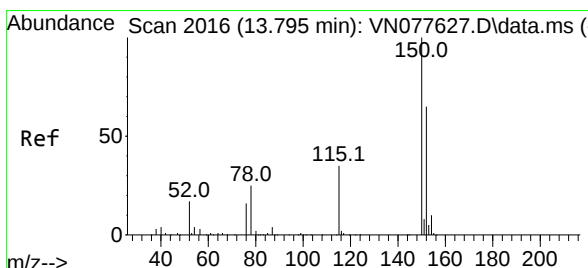
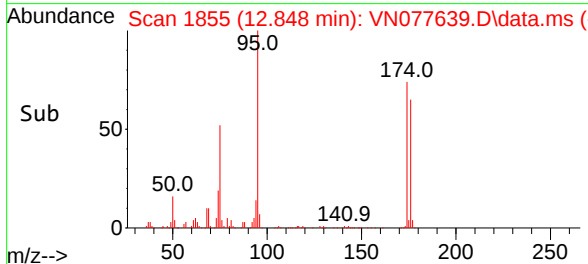
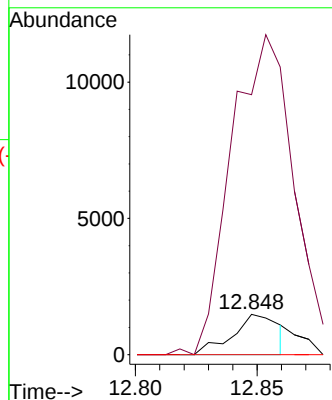
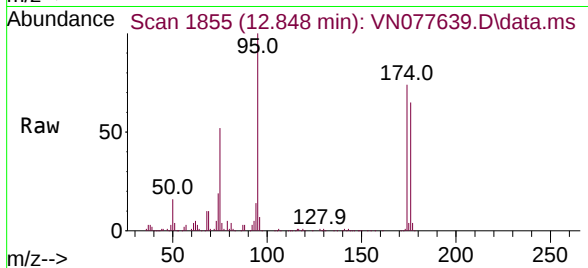
Tgt Ion:173 Resp: 1958

Ion Ratio Lower Upper

173 100

175 874.4 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN077639.D

Acq: 09 May 2023 18:07

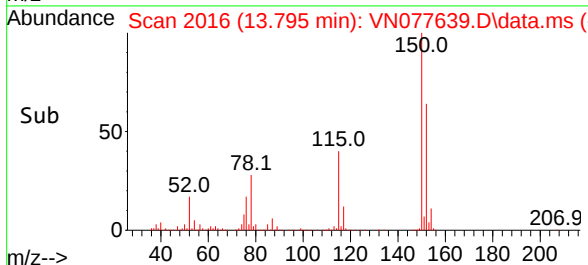
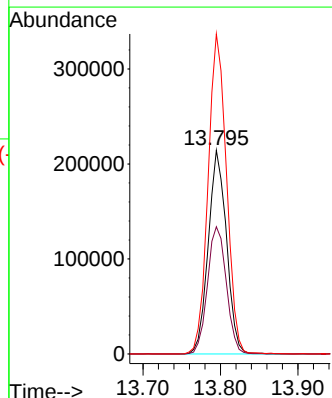
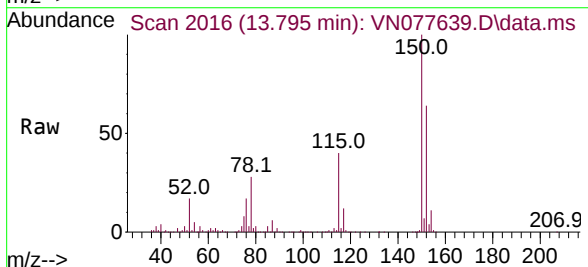
Tgt Ion:152 Resp: 350288

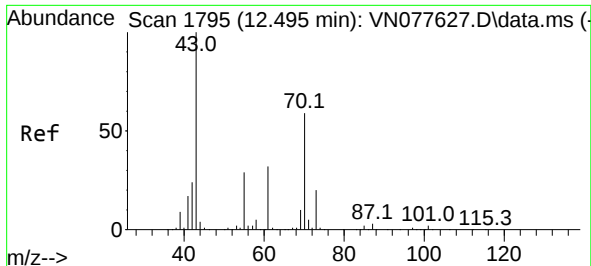
Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 158.7 0.0 355.8

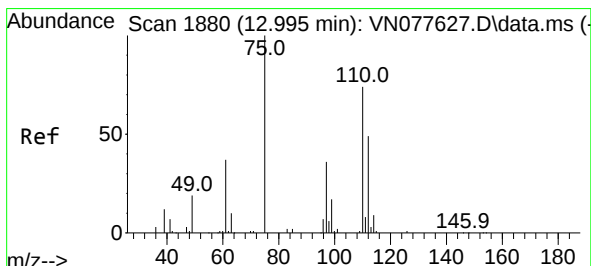
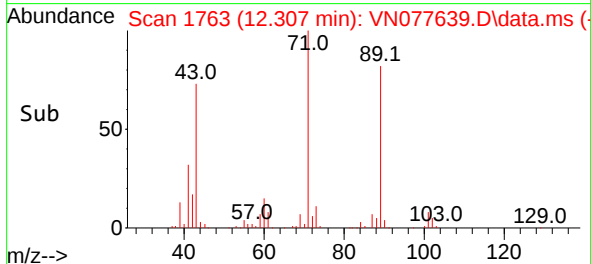
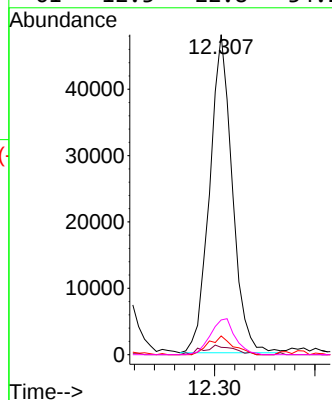
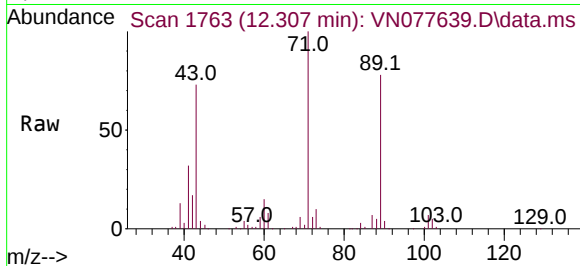




#74
N-amy1 acetate
Concen: 10.924 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

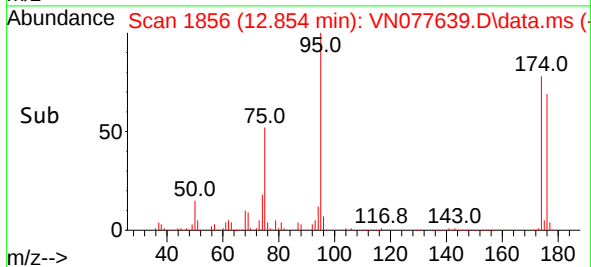
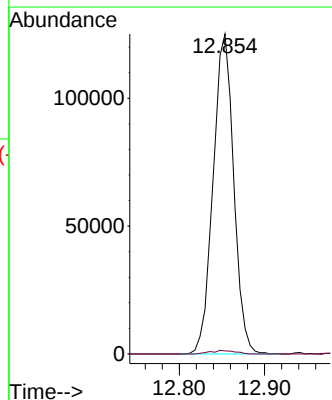
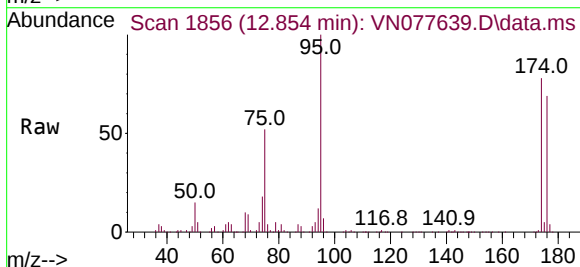
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

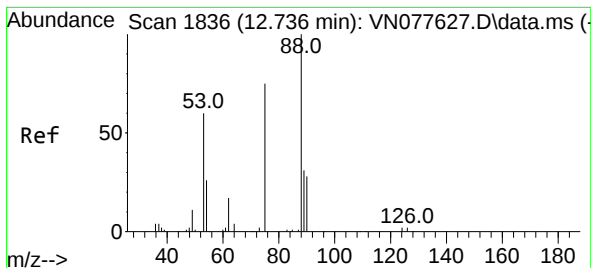
Tgt Ion: 43	Resp: 75332
Ion Ratio	Lower Upper
43 100	
70 3.9	43.4 65.2#
55 6.3	21.4 32.0#
61 12.3	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 29.056 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion: 75	Resp: 210041
Ion Ratio	Lower Upper
75 100	
77 1.3	84.5 253.5#

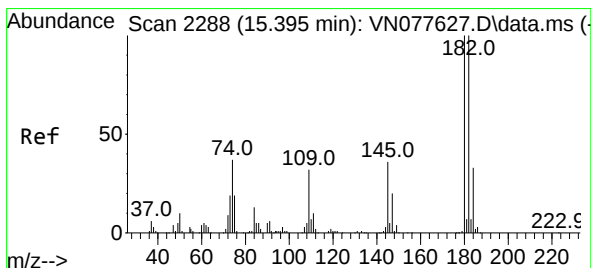
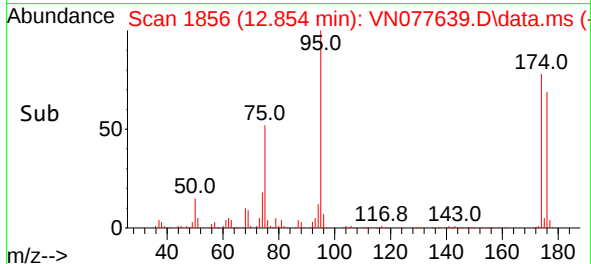
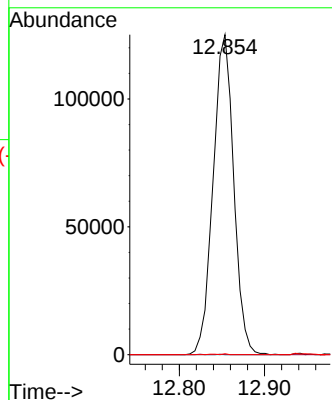
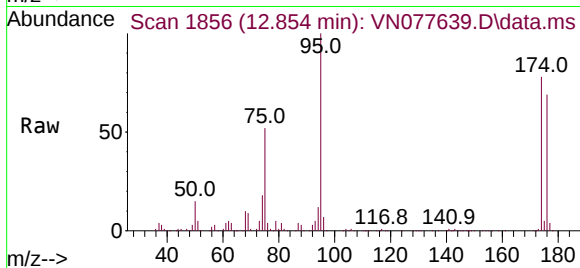




#81
trans-1,4-Dichloro-2-butene
Concen: 92.519 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

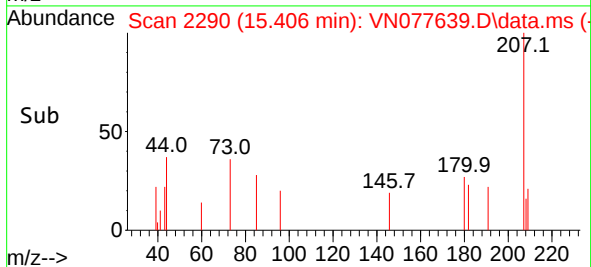
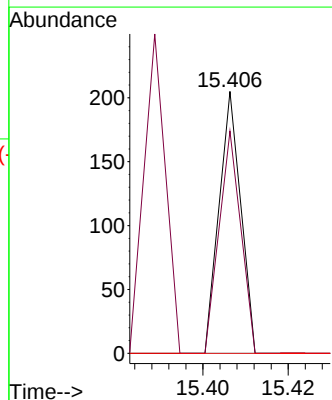
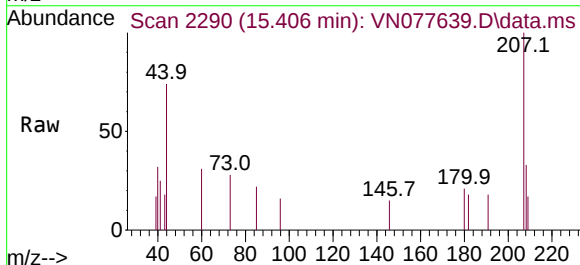
Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

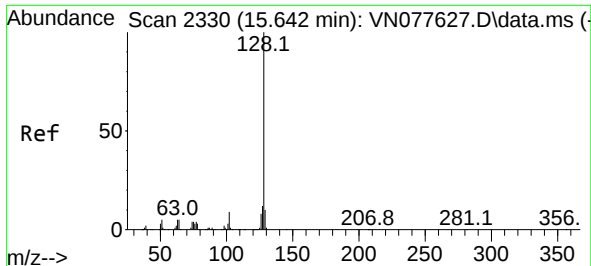
Tgt Ion: 75 Resp: 210041
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 4.594 ug/l
RT: 15.406 min Scan# 2290
Delta R.T. 0.011 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion:180 Resp: 72
Ion Ratio Lower Upper
180 100
182 84.7 46.1 138.2
145 0.0 16.6 49.8#

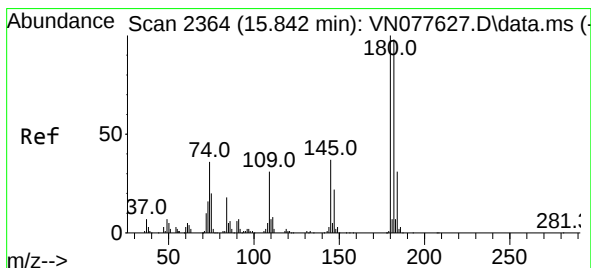
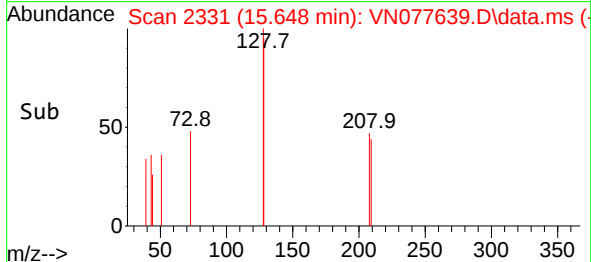
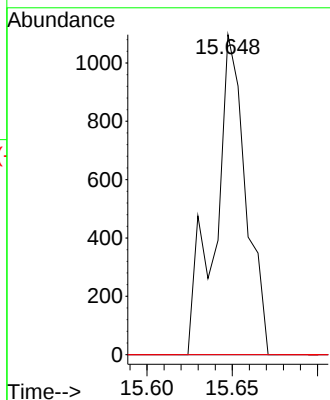
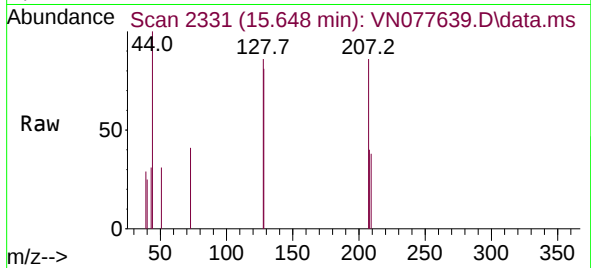




#95
Naphthalene
Concen: 4.809 ug/l
RT: 15.648 min Scan# 21331
Delta R.T. 0.006 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Instrument :
MSVOA_N
ClientSampleId :
PB152652ZHE#05

Tgt Ion:128 Resp: 1376
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.518 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.000 min
Lab File: VN077639.D
Acq: 09 May 2023 18:07

Tgt Ion:180 Resp: 95
Ion Ratio Lower Upper
180 100
182 64.2 46.2 138.6
145 0.0 17.5 52.6#

