

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081282.D
 Acq On : 01 Mar 2024 13:56
 Operator : JC\MD
 Sample : PB153949ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#04

Quant Time: Mar 01 22:17:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

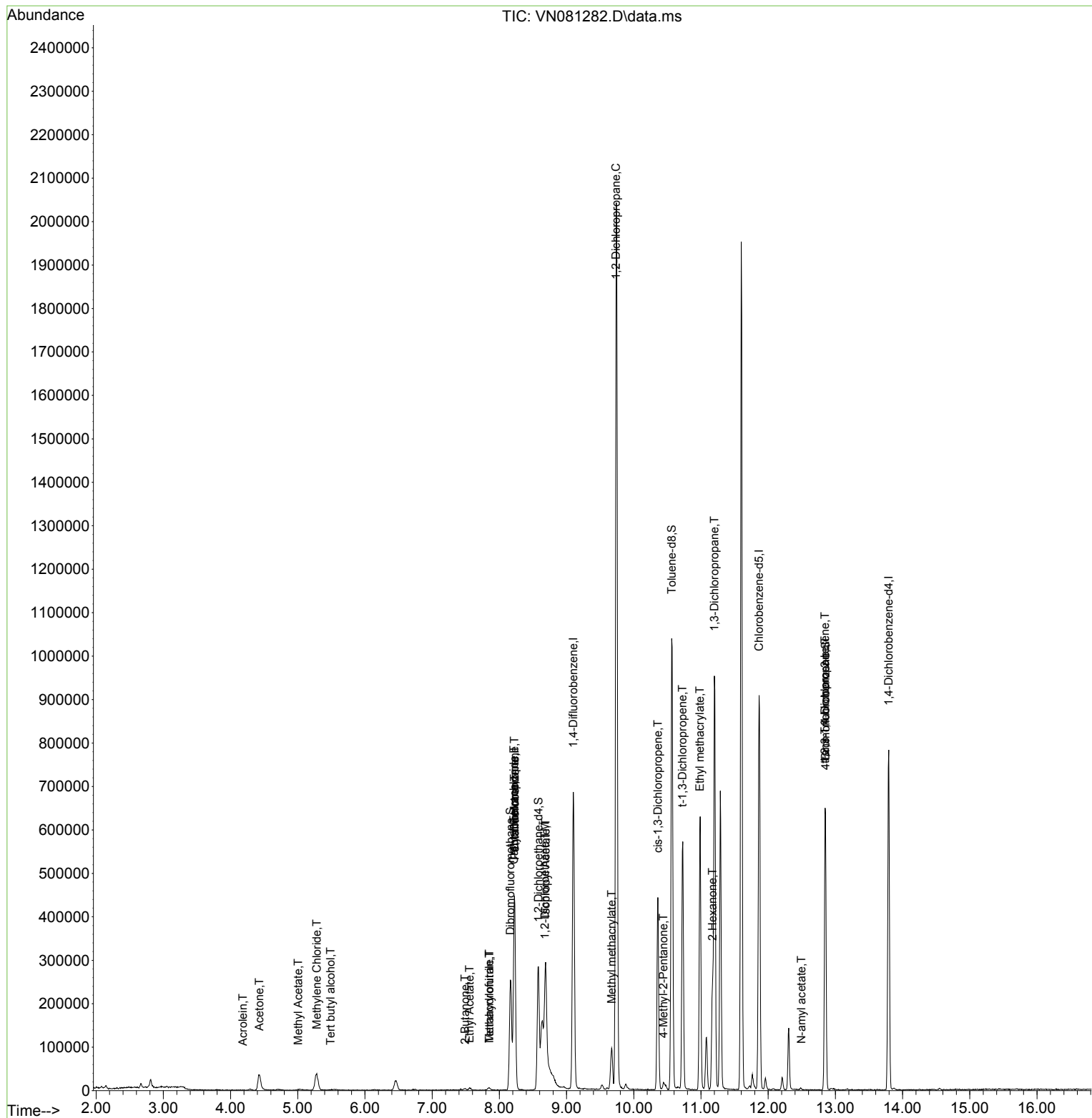
Internal Standards						
1) Pentafluorobenzene	8.230	168	310766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	585644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	527408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	200043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	230578	60.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.060%			
35) Dibromofluoromethane	8.165	113	177052	53.464	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.565	98	710448	60.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 120.800%#			
62) 4-Bromofluorobenzene	12.853	95	224404	50.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	900	Below Cal	#	43
6) Chloroethane	3.142	64	72	Below Cal	#	42
11) Tert butyl alcohol	5.489	59	363	0.518	ug/l #	72
13) Acrolein	4.183	56	200	0.533	ug/l #	1
16) Acetone	4.430	43	70204	46.840	ug/l	96
18) Methyl Acetate	5.006	43	2328	0.637	ug/l #	66
20) Methylene Chloride	5.283	84	30287	7.012	ug/l	87
25) 2-Butanone	7.488	43	6790	2.804	ug/l #	79
29) Tetrahydrofuran	7.853	42	4472	2.767	ug/l #	83
31) Cyclohexane	8.224	56	8281	1.259	ug/l #	20
36) 1,1-Dichloropropene	8.224	75	28619	5.044	ug/l #	51
37) Ethyl Acetate	7.559	43	7009	1.369	ug/l	99
38) Carbon Tetrachloride	8.218	117	36786	6.409	ug/l #	18
41) Methacrylonitrile	7.853	41	3219	1.105	ug/l #	40
42) 1,2-Dichloroethane	8.677	62	2167	0.378	ug/l #	75
43) Isopropyl Acetate	8.688	43	432016	48.241	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	2823	0.687	ug/l #	42
48) Methyl methacrylate	9.671	41	6983	1.676	ug/l #	46
49) 1,4-Dioxane	9.665	88	112	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.441	43	11255	2.185	ug/l	95
53) t-1,3-Dichloropropene	10.724	75	1343	0.213	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	80068	11.764	ug/l #	62
56) Ethyl methacrylate	10.982	69	2482	0.406	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9904	1.432	ug/l #	44
59) 2-Hexanone	11.171	43	192522	47.139	ug/l #	26
74) N-amyl acetate	12.494	43	2049	0.277	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	124372	27.364	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	124372	70.432	ug/l #	14

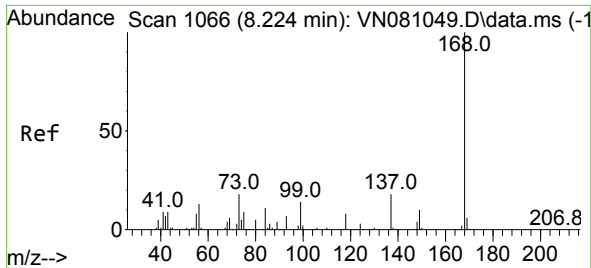
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
Data File : VN081282.D
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Sample : PB153949ZHE#04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 01 22:17:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 16 23:45:20 2024
Response via : Initial Calibration

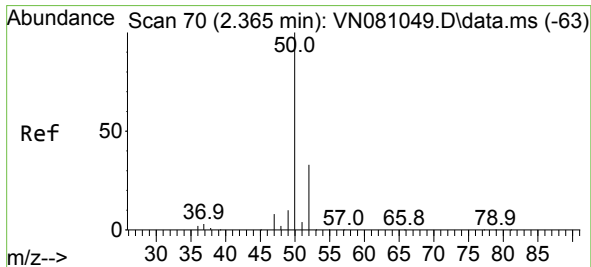
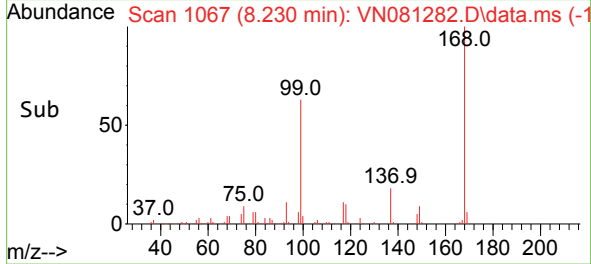
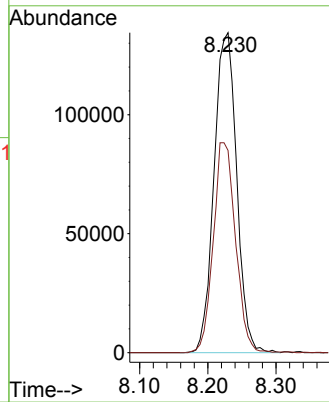
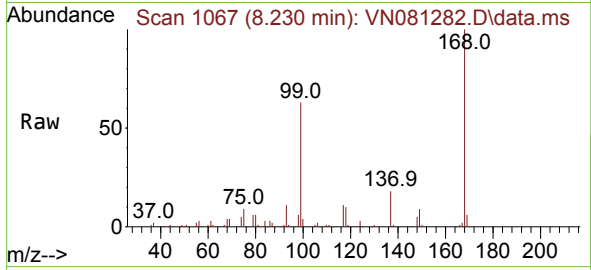




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

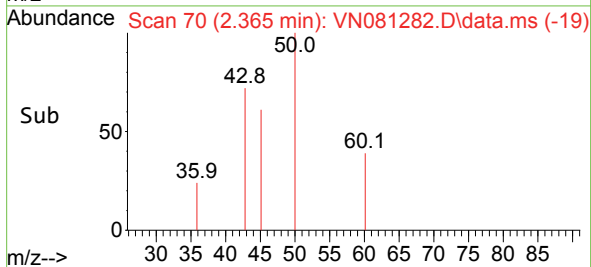
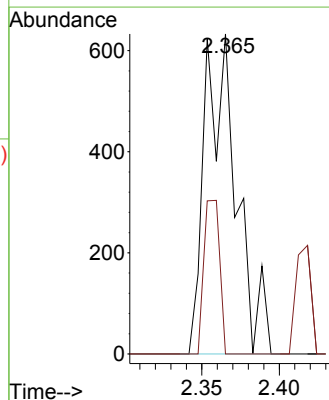
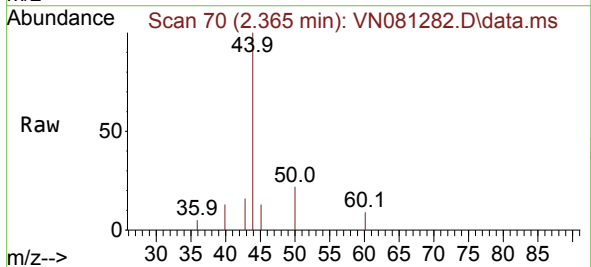
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

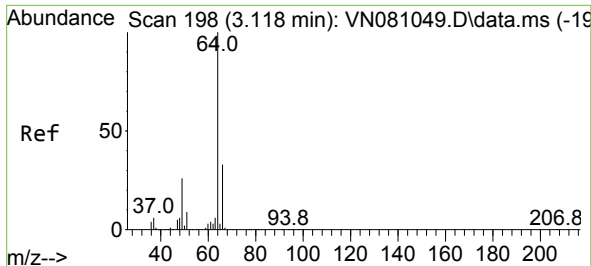
Tgt Ion:168 Resp: 310766
Ion Ratio Lower Upper
168 100
99 63.2 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 50 Resp: 900
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

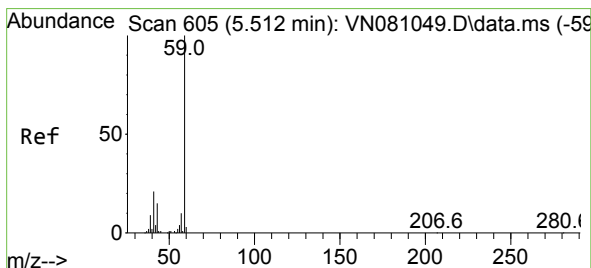
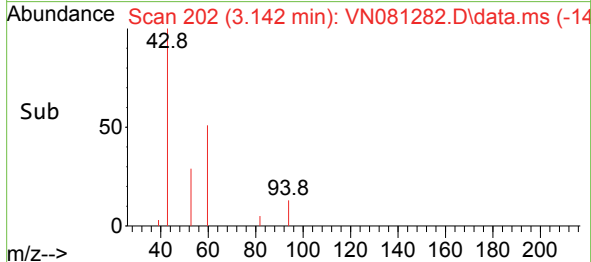
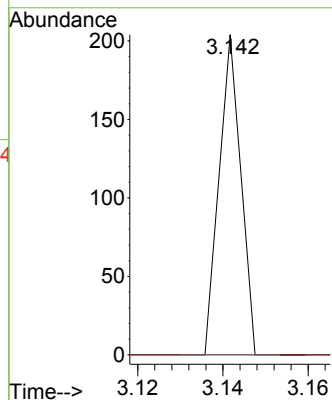
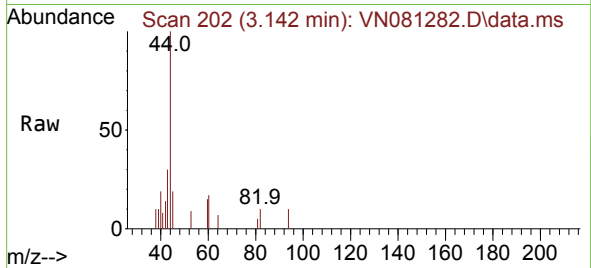




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

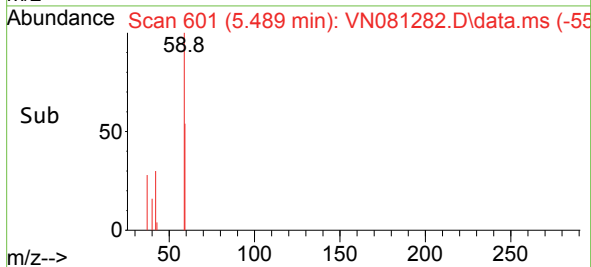
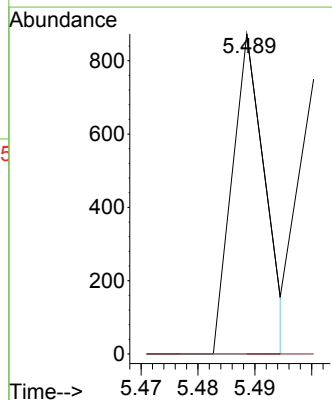
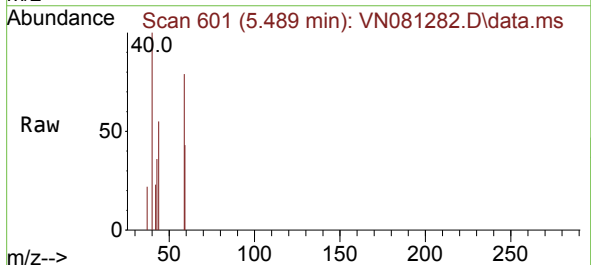
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.024 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

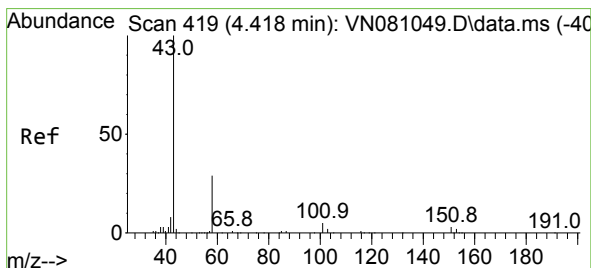
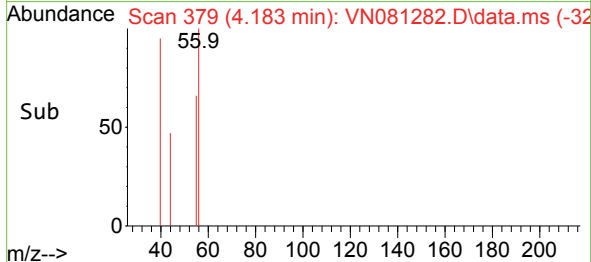
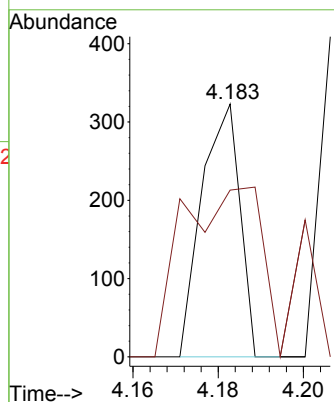
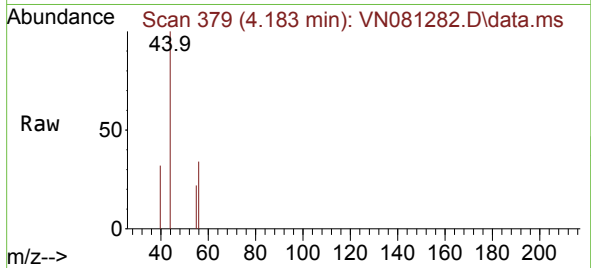




#13
Acrolein
Concen: 0.533 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

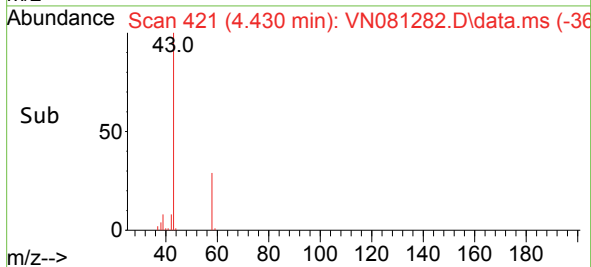
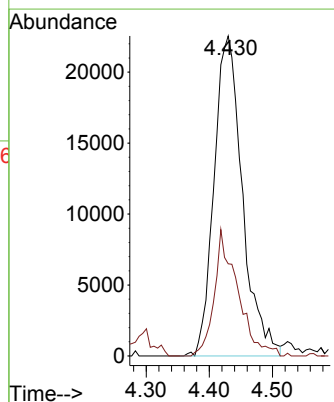
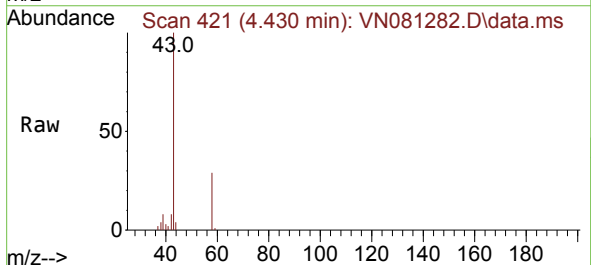
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

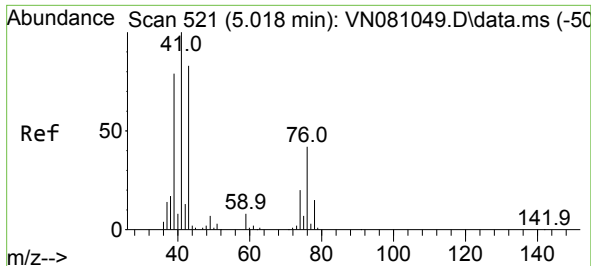
Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 170.5 55.3 82.9#



#16
Acetone
Concen: 46.840 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 43 Resp: 70204
Ion Ratio Lower Upper
43 100
58 28.8 24.8 37.2

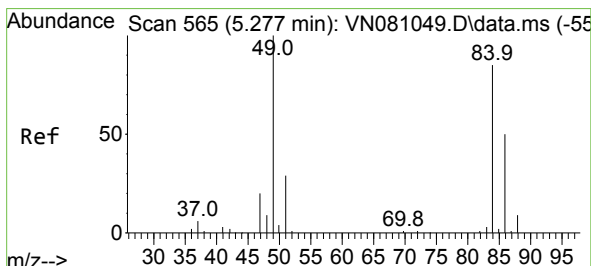
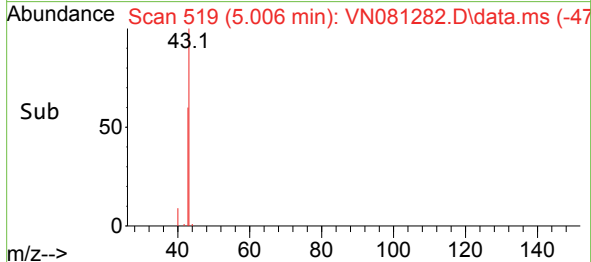
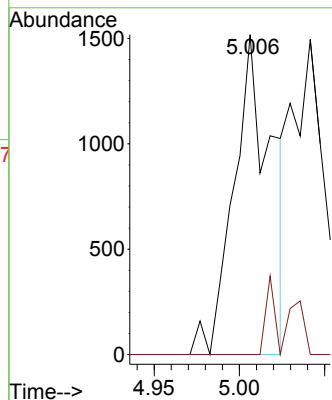
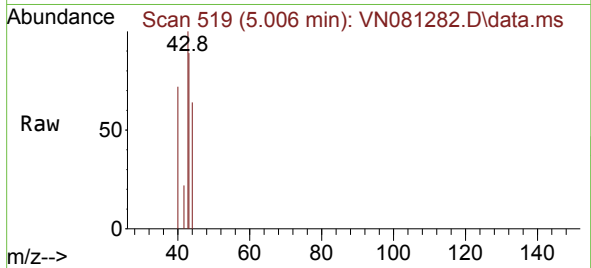




#18
Methyl Acetate
Concen: 0.637 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.012 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

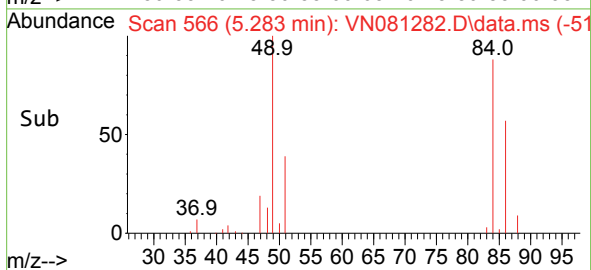
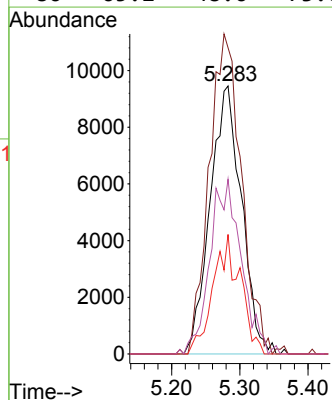
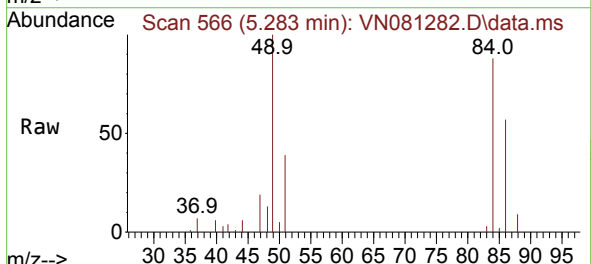
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

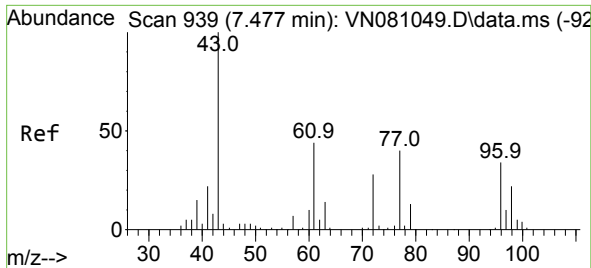
Tgt Ion: 43 Resp: 2328
Ion Ratio Lower Upper
43 100
74 5.7 17.3 25.9#



#20
Methylene Chloride
Concen: 7.012 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 84 Resp: 30287
Ion Ratio Lower Upper
84 100
49 112.6 108.1 162.1
51 44.6 32.9 49.3
86 65.2 48.6 73.0

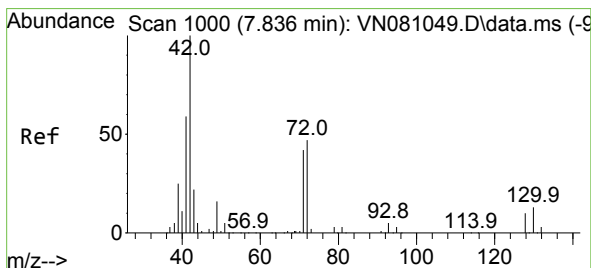
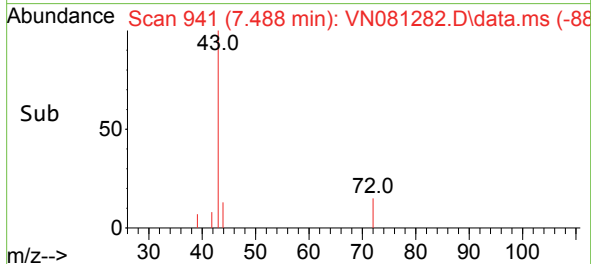
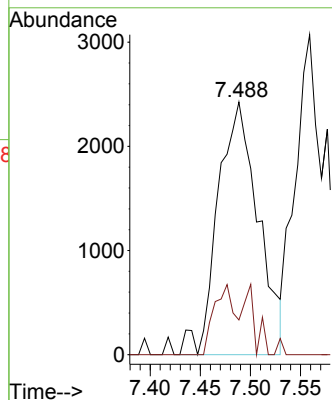
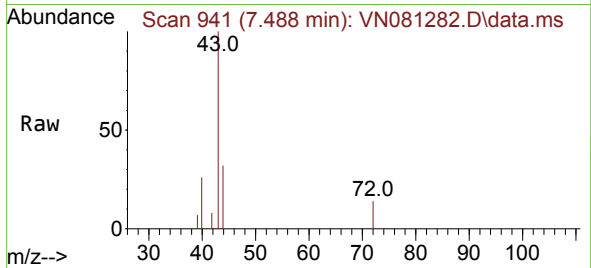




#25
2-Butanone
Concen: 2.804 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

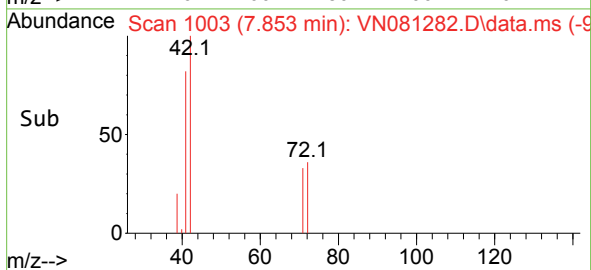
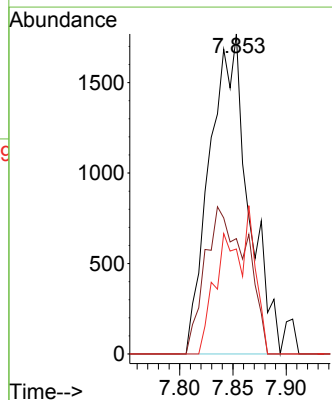
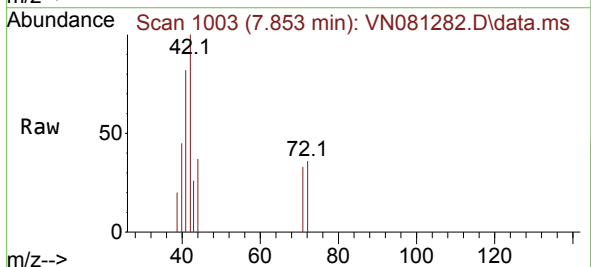
Instrument :
MSVOA_N
ClientSampleId :
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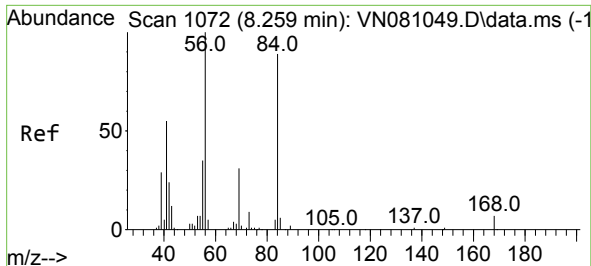
Tgt Ion: 43 Resp: 6790
Ion Ratio Lower Upper
43 100
72 13.7 19.5 29.3#



#29
Tetrahydrofuran
Concen: 2.767 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.018 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

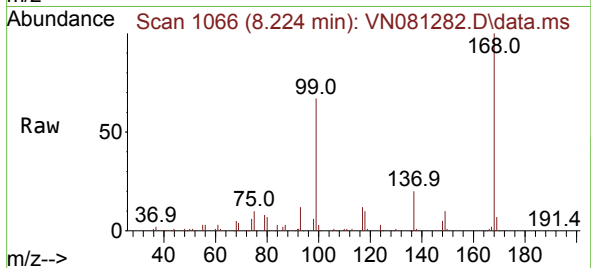
Tgt Ion: 42 Resp: 4472
Ion Ratio Lower Upper
42 100
72 48.8 31.1 46.7#
71 24.9 28.3 42.5#



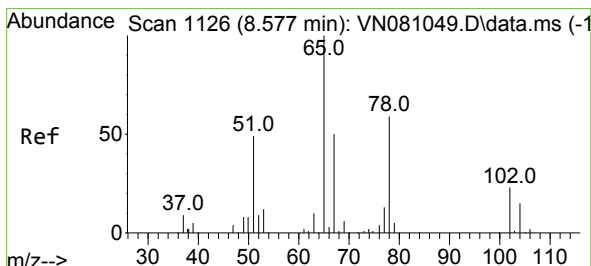
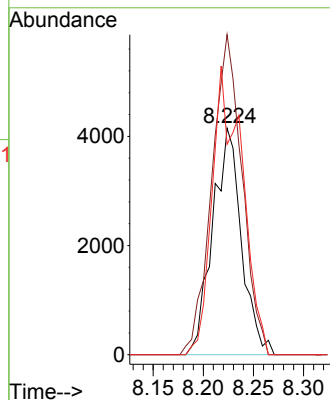
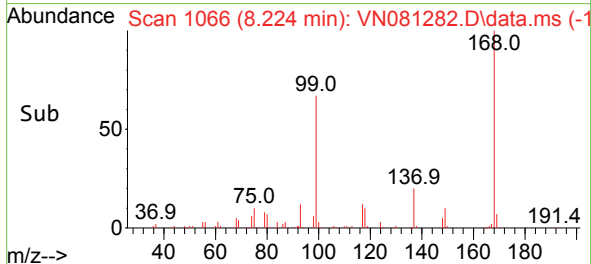


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

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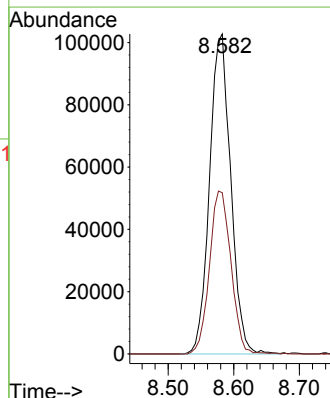
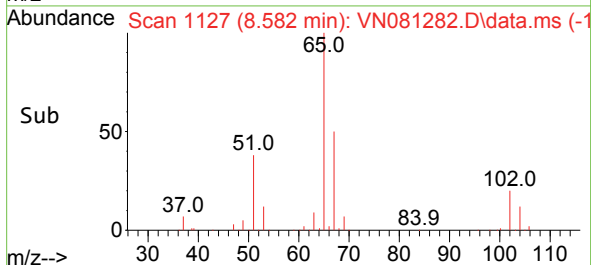
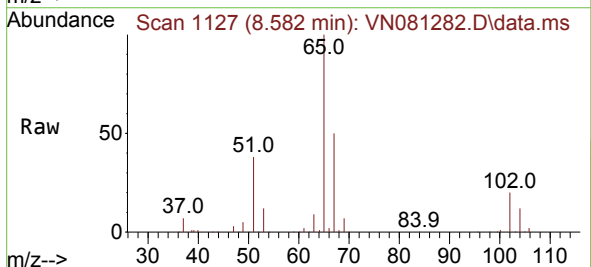


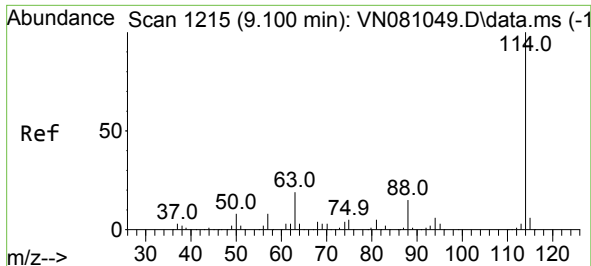
Tgt Ion: 56 Resp: 8281
Ion Ratio Lower Upper
56 100
69 141.2 20.1 30.1#
84 92.8 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 60.533 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 65 Resp: 230578
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.4

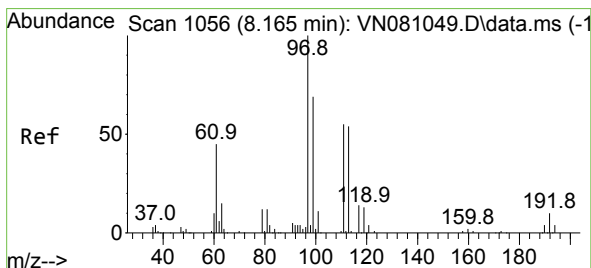
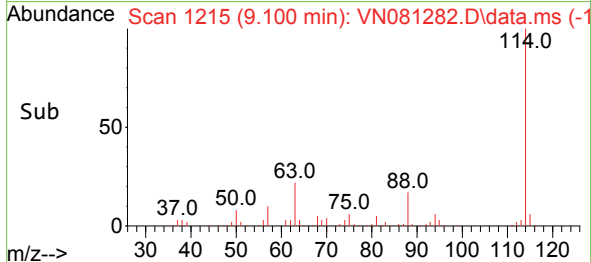
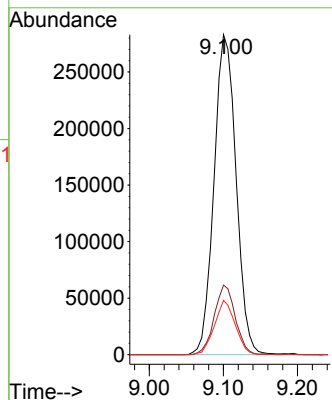
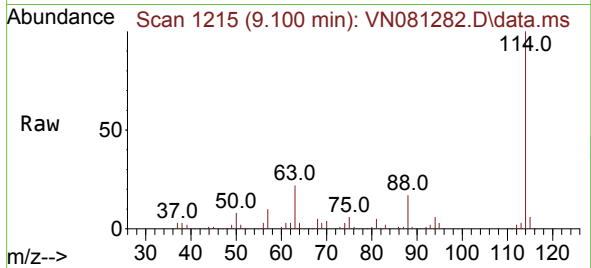




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

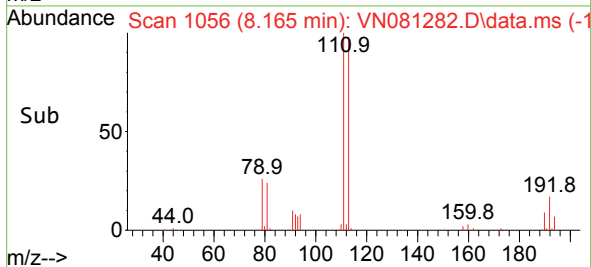
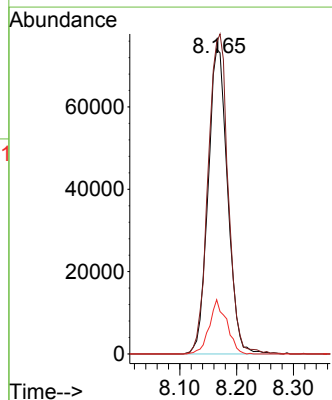
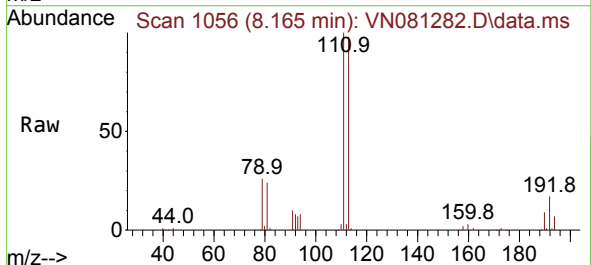
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

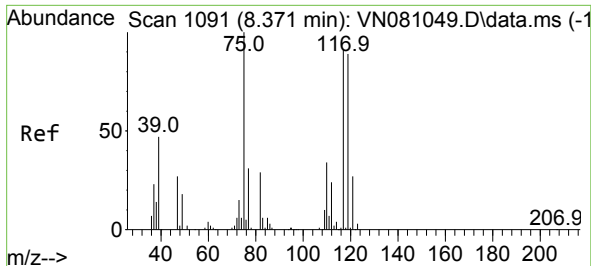
Tgt Ion:114 Resp: 585644
Ion Ratio Lower Upper
114 100
63 21.7 0.0 48.0
88 17.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 53.464 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion:113 Resp: 177052
Ion Ratio Lower Upper
113 100
111 107.1 82.2 123.4
192 15.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#04

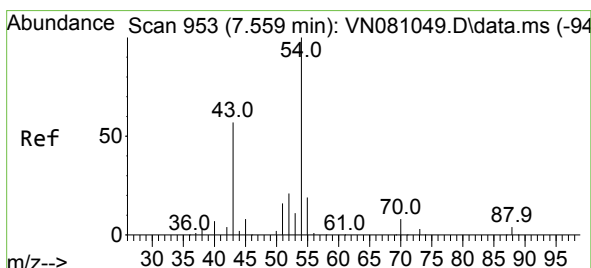
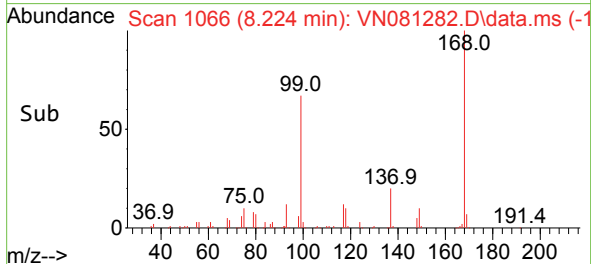
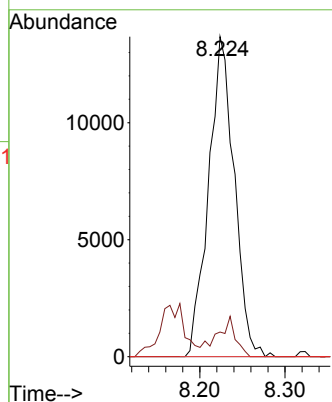
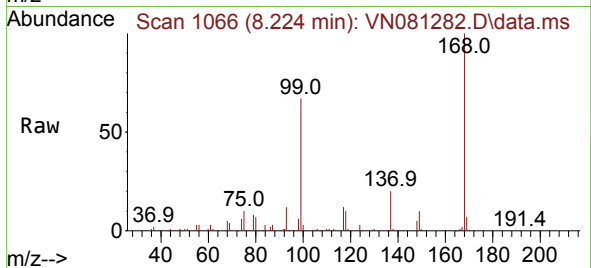
Tgt Ion: 75 Resp: 28619

Ion Ratio Lower Upper

75 100

110 9.0 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.369 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

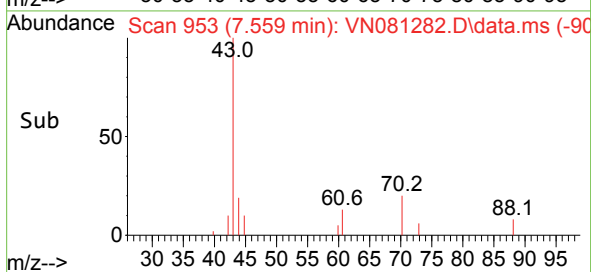
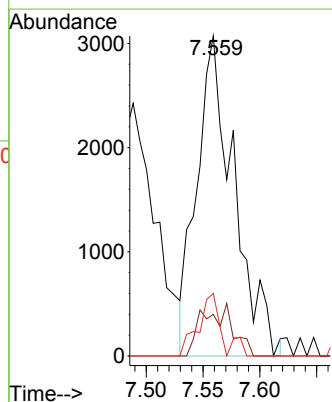
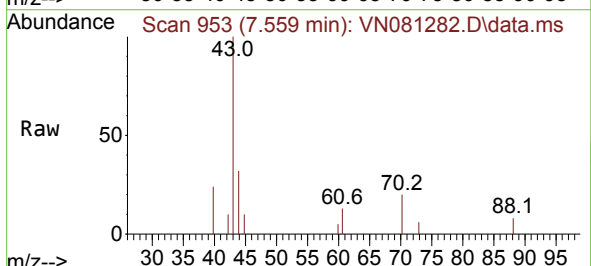
Tgt Ion: 43 Resp: 7009

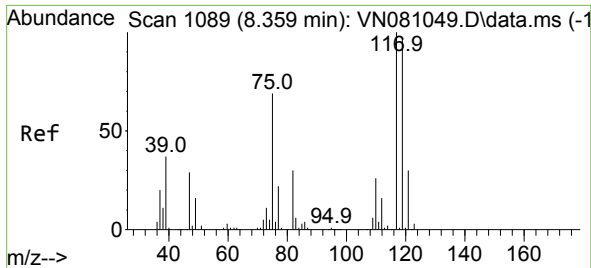
Ion Ratio Lower Upper

43 100

61 13.4 10.6 15.8

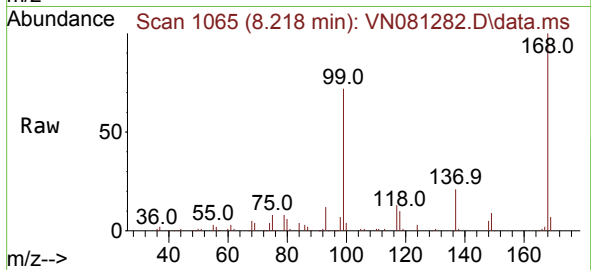
70 10.5 8.0 12.0



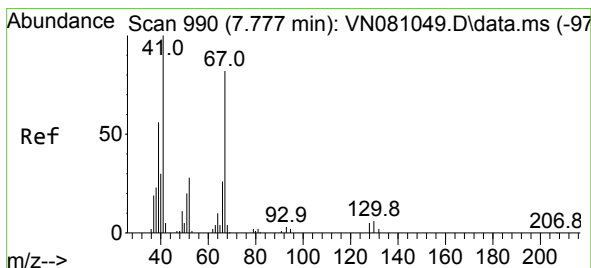
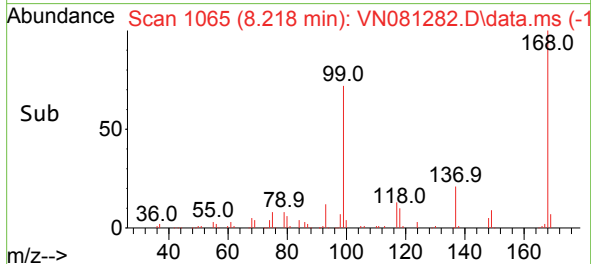
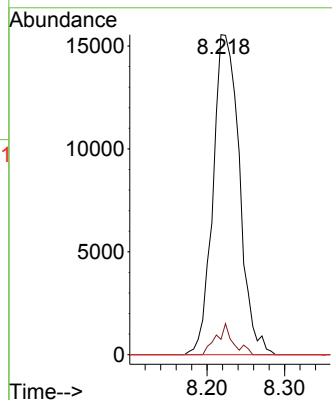


#38
Carbon Tetrachloride
Concen: 6.409 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

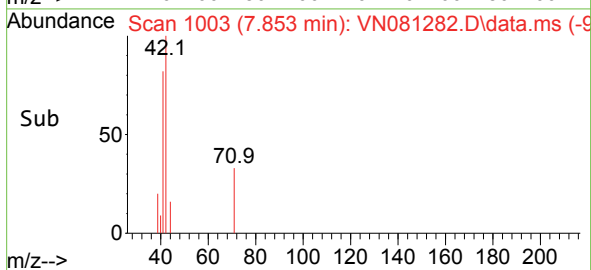
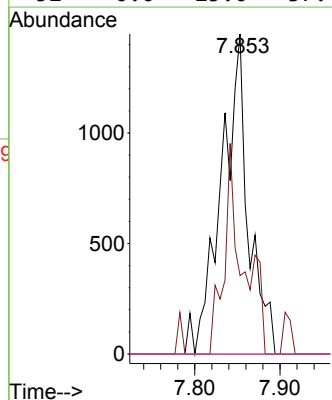
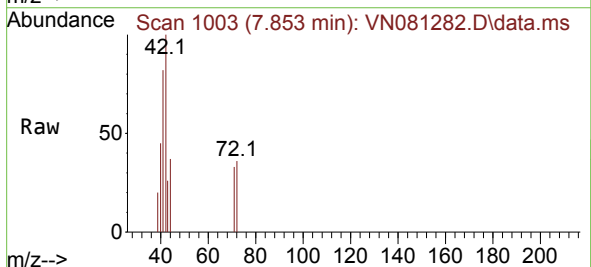


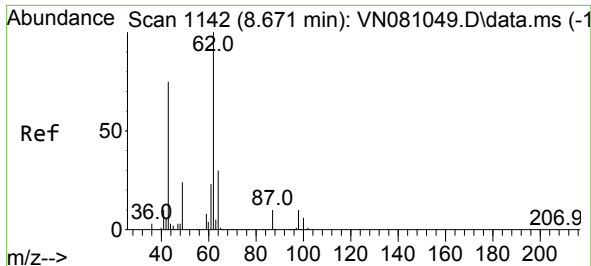
Tgt Ion:117 Resp: 36786
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.105 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 41 Resp: 3219
Ion Ratio Lower Upper
41 100
39 36.7 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.378 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

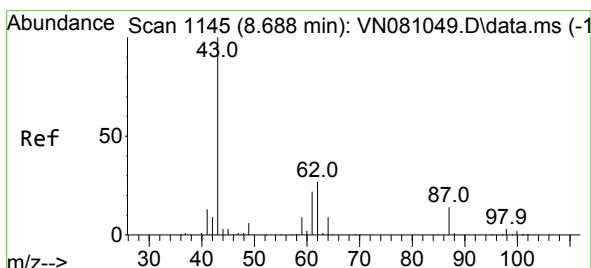
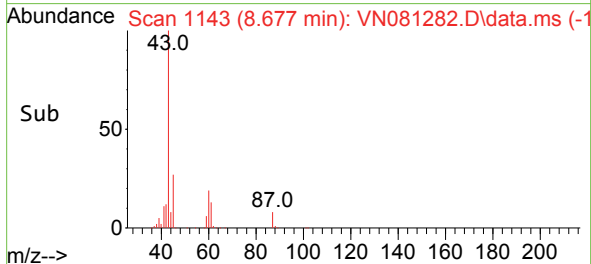
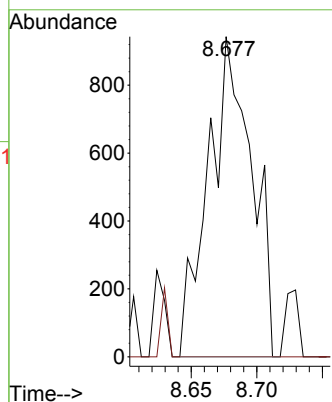
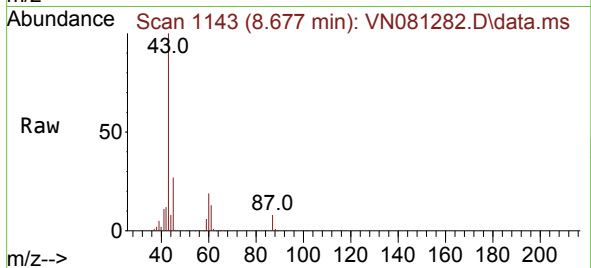
PB153949ZHE#04

Tgt Ion: 62 Resp: 2167

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 48.241 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

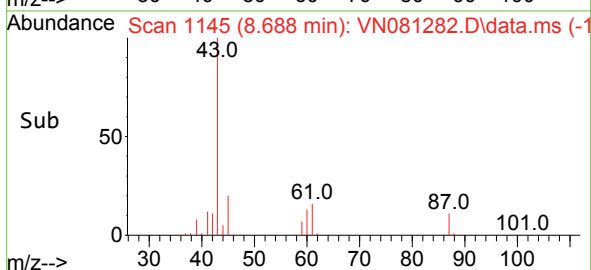
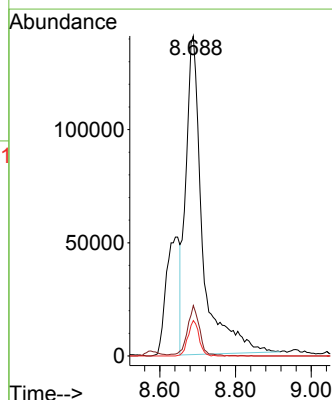
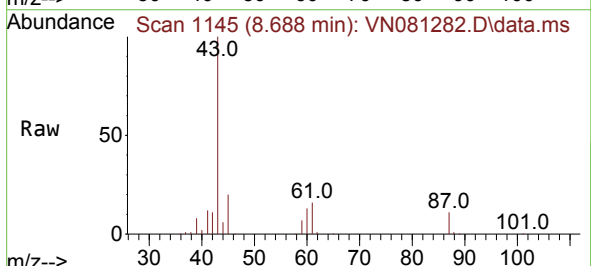
Tgt Ion: 43 Resp: 432016

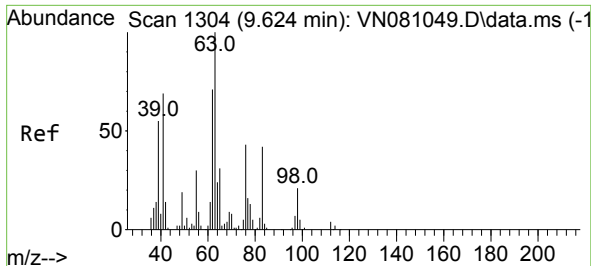
Ion Ratio Lower Upper

43 100

61 11.6 19.9 29.9#

87 7.3 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.687 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

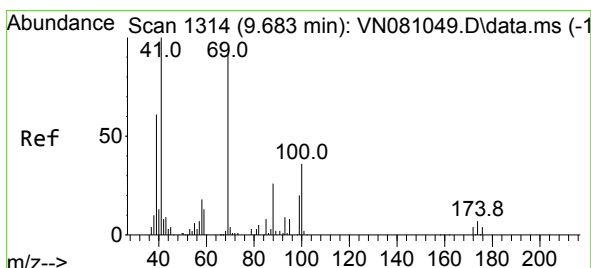
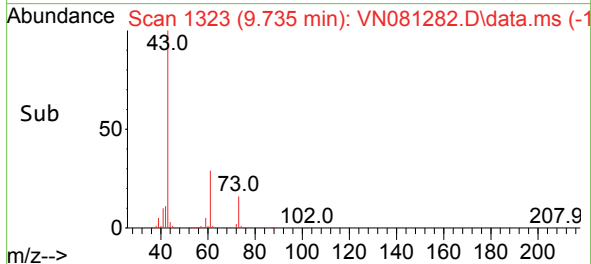
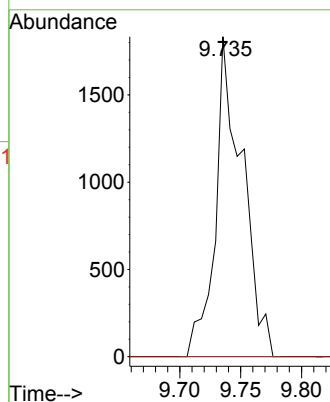
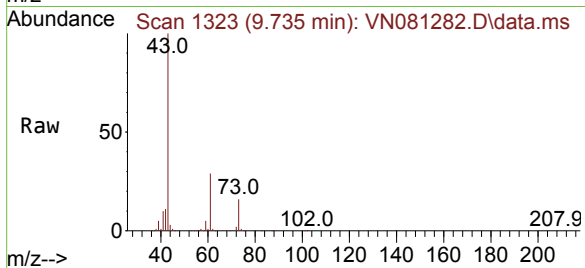
PB153949ZHE#04

Tgt Ion: 63 Resp: 2823

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.676 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

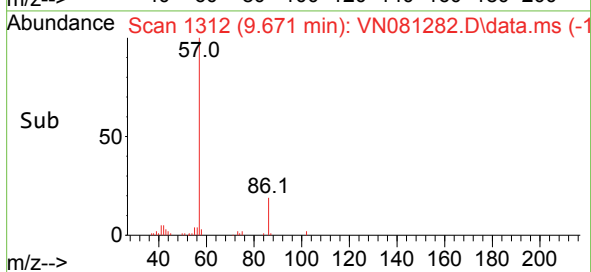
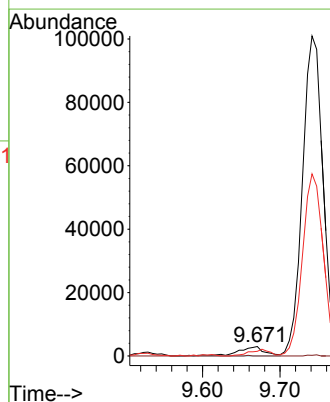
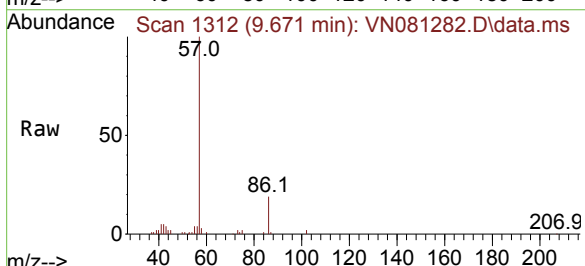
Tgt Ion: 41 Resp: 6983

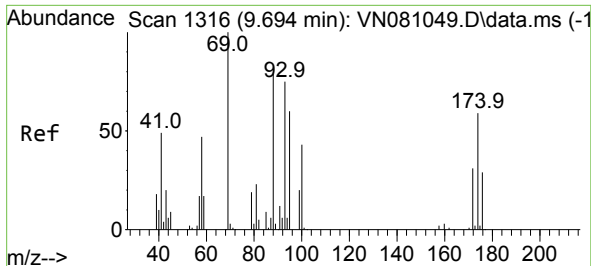
Ion Ratio Lower Upper

41 100

69 0.9 62.2 93.2#

39 53.2 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.665 min Scan# 1

Delta R.T. -0.029 min

Lab File: VN081282.D

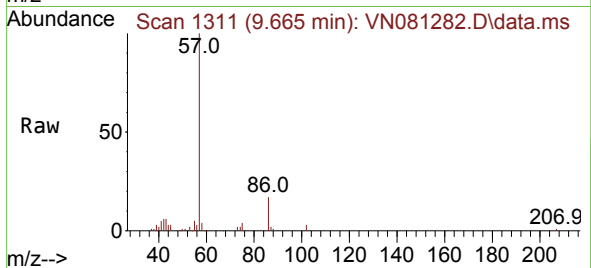
Acq: 01 Mar 2024 13:56

Instrument :

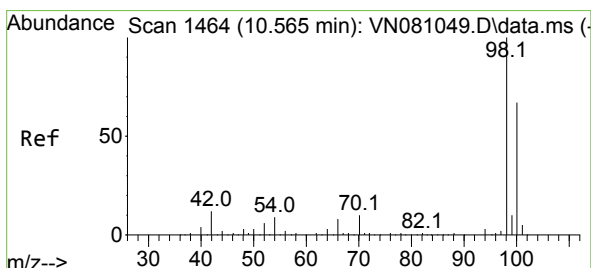
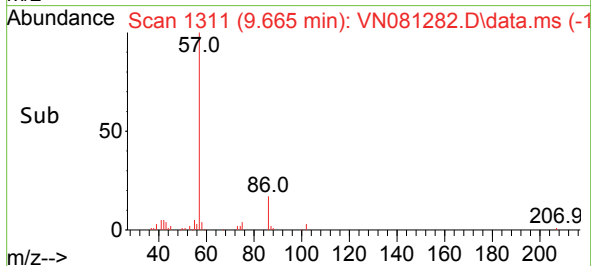
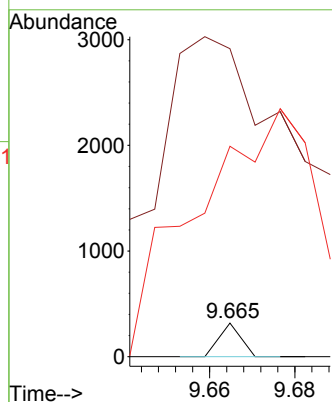
MSVOA_N

ClientSampleId :

PB153949ZHE#04



Tgt Ion:	88	Resp:	112
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.1	45.1#
58	4343.8	63.9	95.9#



#50

Toluene-d8

Concen: 60.402 ug/l

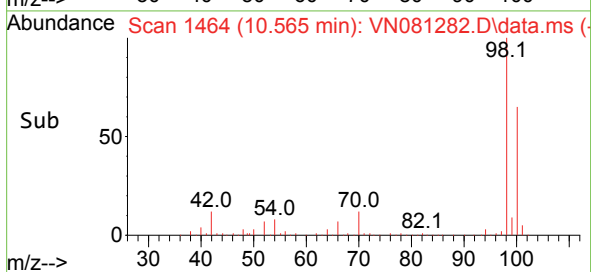
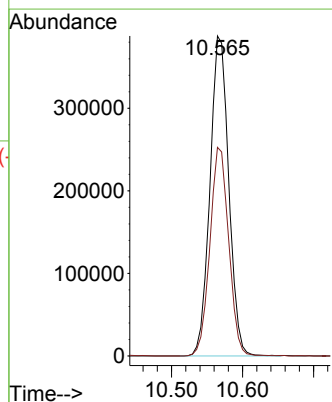
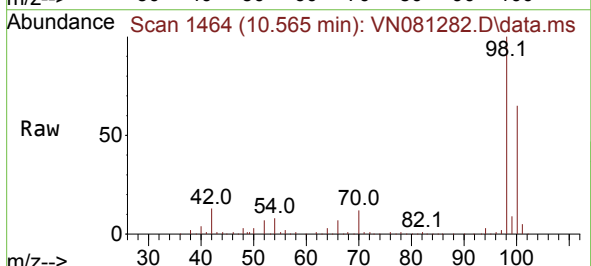
RT: 10.565 min Scan# 1464

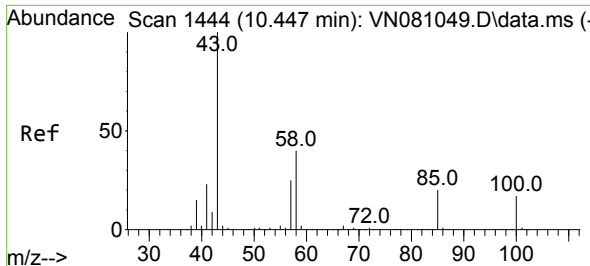
Delta R.T. -0.000 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Tgt Ion:	98	Resp:	710448
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 2.185 ug/l

RT: 10.441 min Scan# 14

Delta R.T. -0.006 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

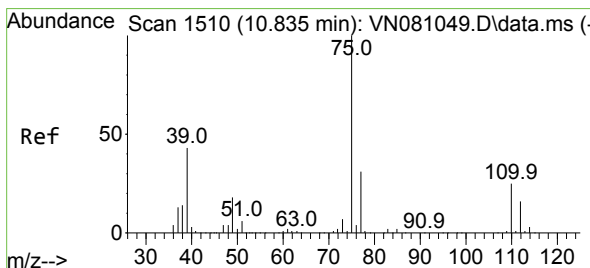
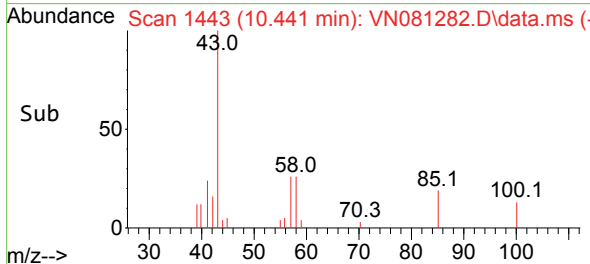
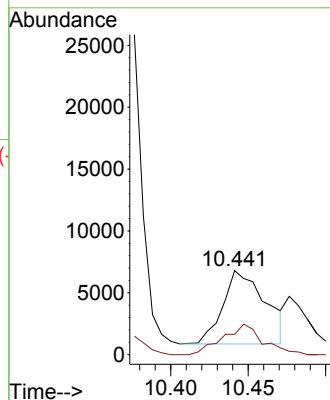
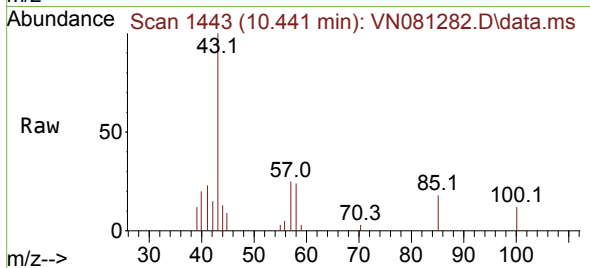
PB153949ZHE#04

Tgt Ion: 43 Resp: 11255

Ion Ratio Lower Upper

43 100

58 39.5 29.4 44.0



#53

t-1,3-Dichloropropene

Concen: 0.213 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.112 min

Lab File: VN081282.D

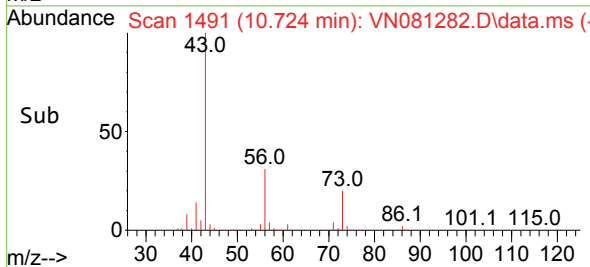
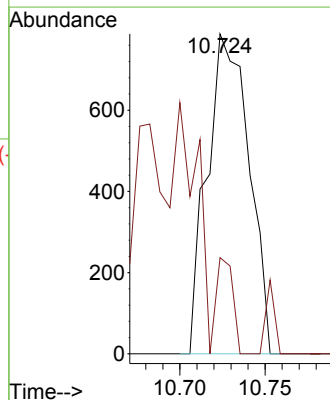
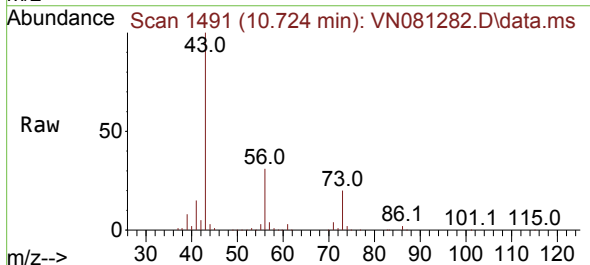
Acq: 01 Mar 2024 13:56

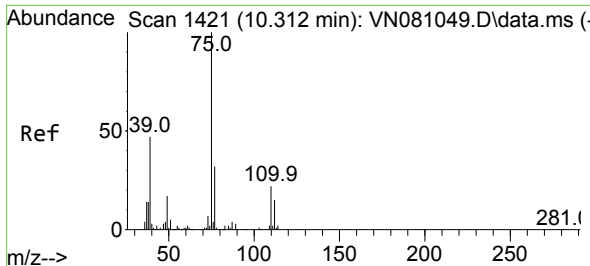
Tgt Ion: 75 Resp: 1343

Ion Ratio Lower Upper

75 100

77 30.1 25.5 38.3

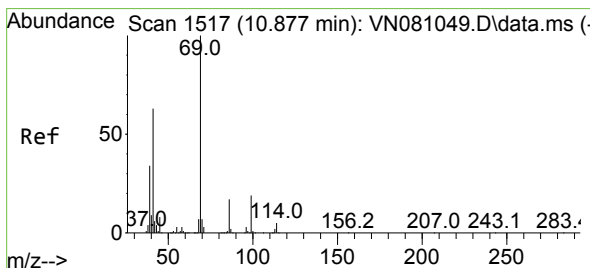
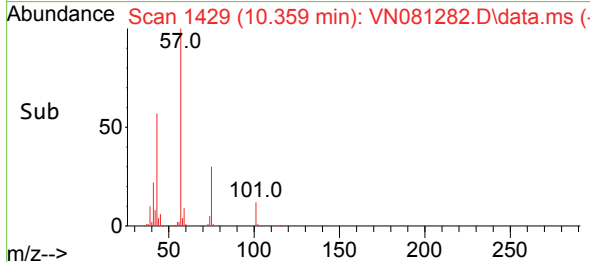
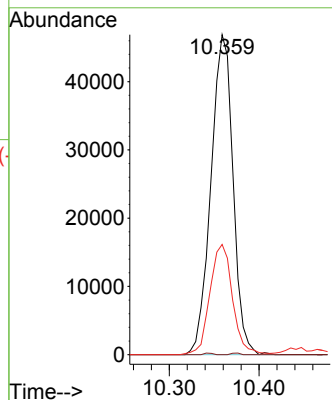
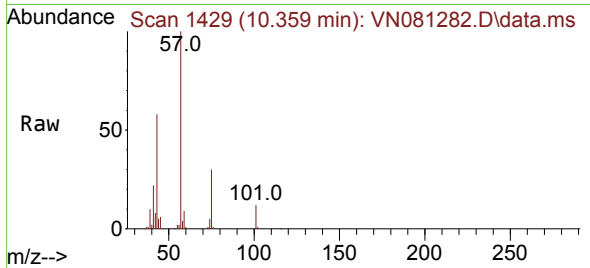




#54
cis-1,3-Dichloropropene
Concen: 11.764 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

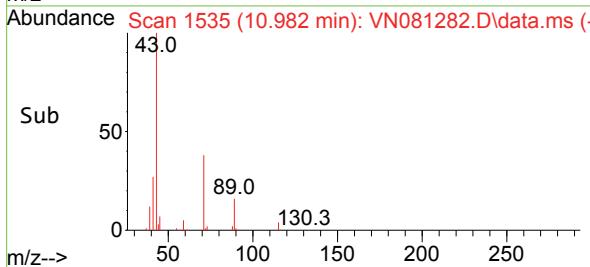
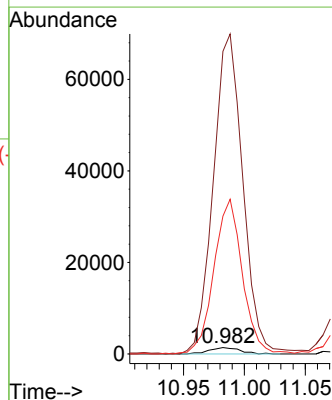
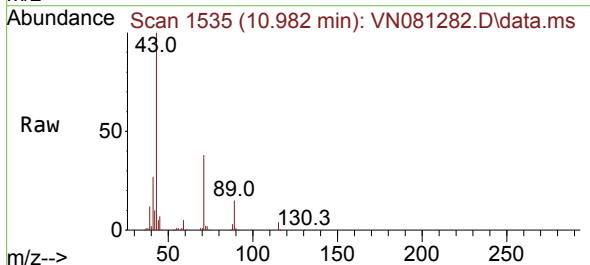
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

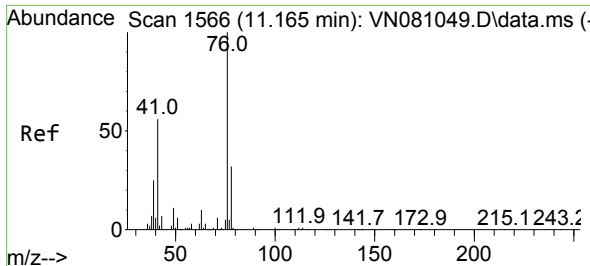
Tgt Ion: 75 Resp: 80068
Ion Ratio Lower Upper
75 100
77 0.0 23.3 34.9#
39 34.5 44.6 66.8#



#56
Ethyl methacrylate
Concen: 0.406 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 69 Resp: 2482
Ion Ratio Lower Upper
69 100
41 4756.3 61.0 91.6#
39 2217.5 31.8 47.6#

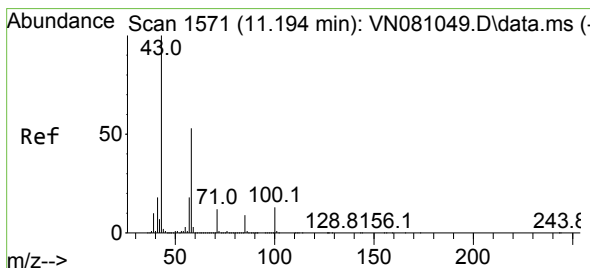
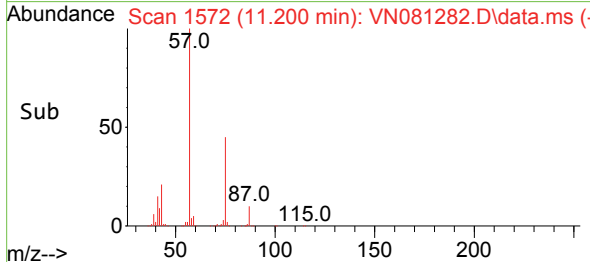
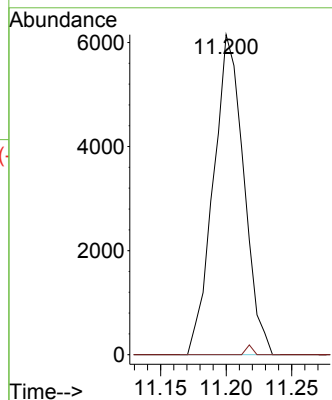
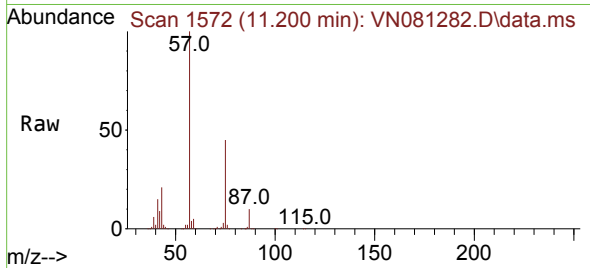




#57
1,3-Dichloropropane
Concen: 1.432 ug/l
RT: 11.200 min Scan# 1567
Delta R.T. 0.035 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

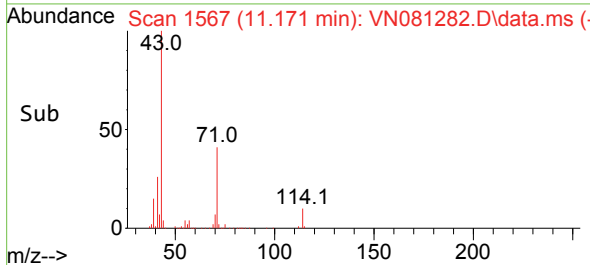
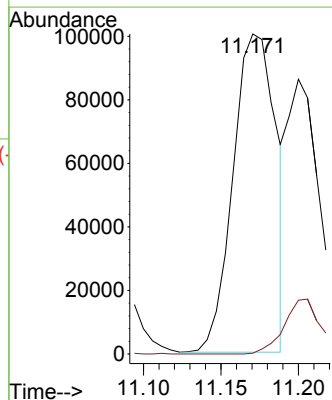
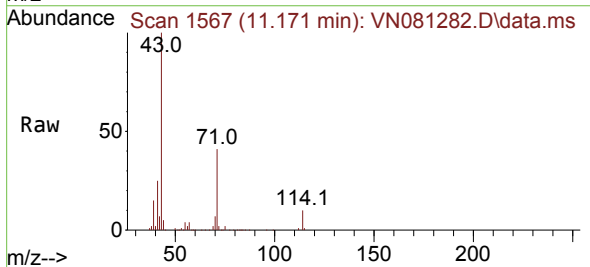
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

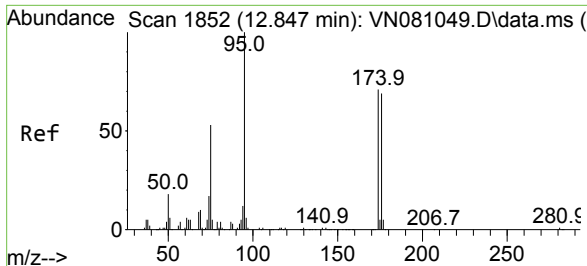
Tgt Ion: 76 Resp: 9904
Ion Ratio Lower Upper
76 100
78 0.7 25.5 38.3#



#59
2-Hexanone
Concen: 47.139 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 43 Resp: 192522
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

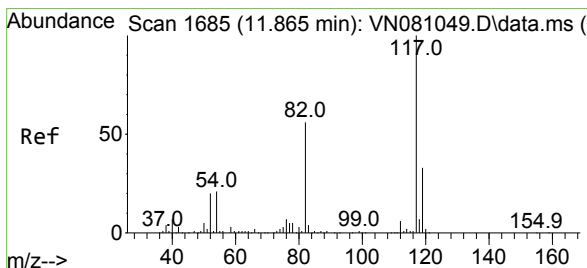
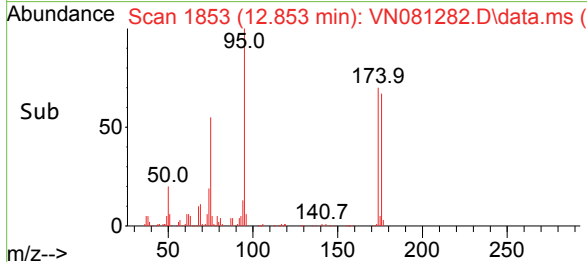
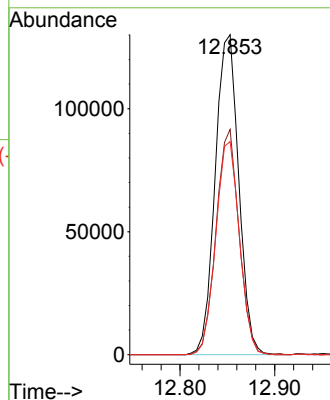
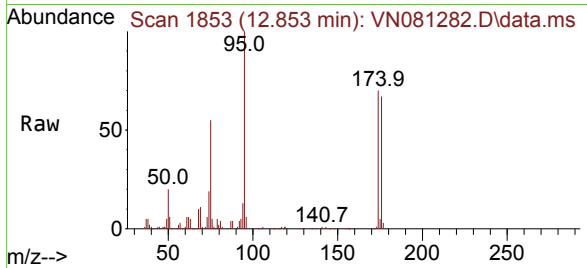




#62
4-Bromofluorobenzene
Concen: 50.774 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

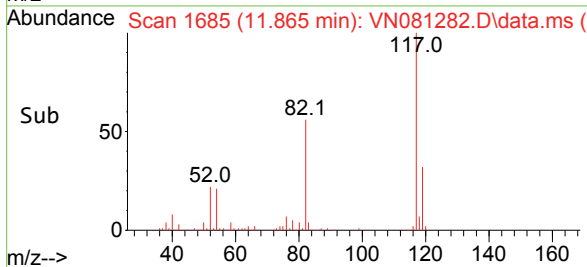
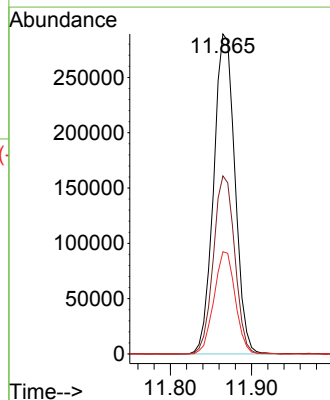
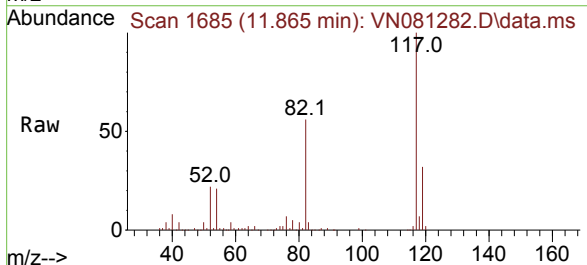
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

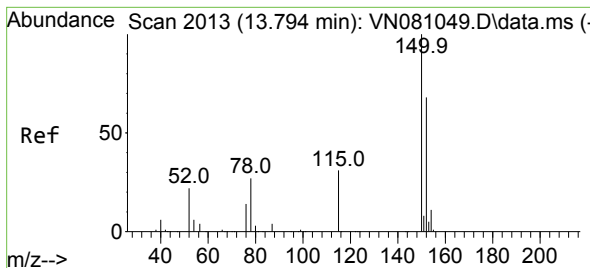
Tgt Ion: 95 Resp: 224404
Ion Ratio Lower Upper
95 100
174 68.9 0.0 120.4
176 67.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 117 Resp: 527408
Ion Ratio Lower Upper
117 100
82 55.7 52.7 79.1
119 31.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#04

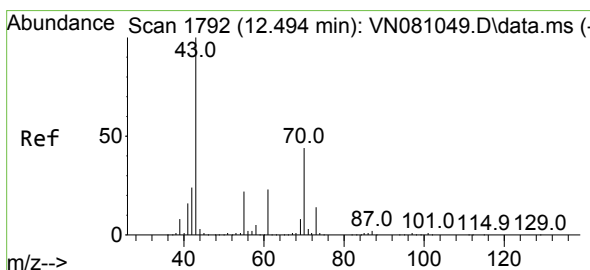
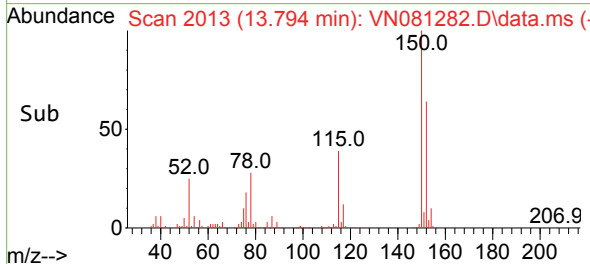
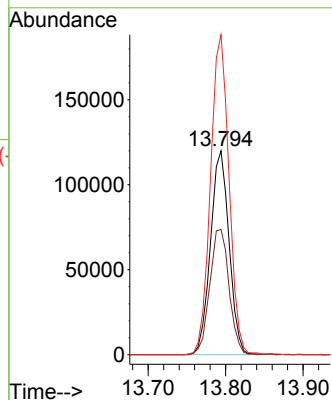
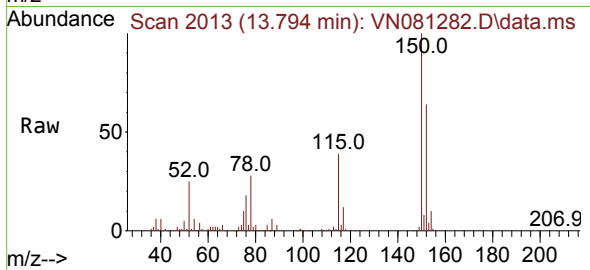
Tgt Ion:152 Resp: 200043

Ion Ratio Lower Upper

152 100

115 63.7 32.3 96.8

150 156.1 0.0 339.8



#74

N-ethyl acetate

Concen: 0.277 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN081282.D

Acq: 01 Mar 2024 13:56

Tgt Ion: 43 Resp: 2049

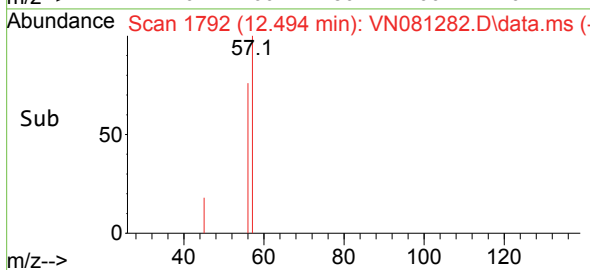
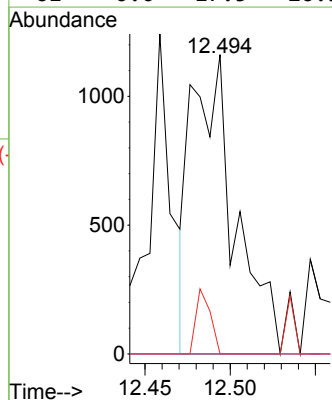
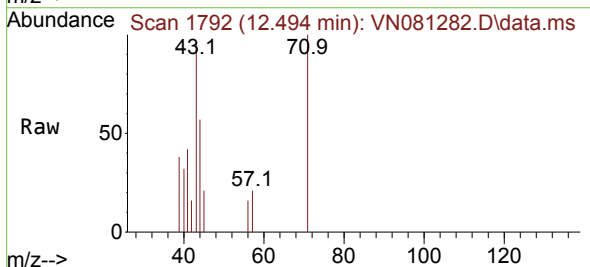
Ion Ratio Lower Upper

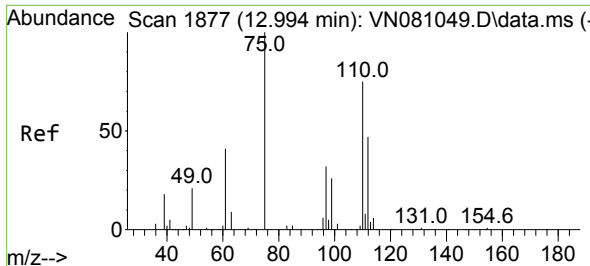
43 100

70 0.0 30.1 45.1#

55 7.2 17.0 25.4#

61 0.0 17.5 26.3#

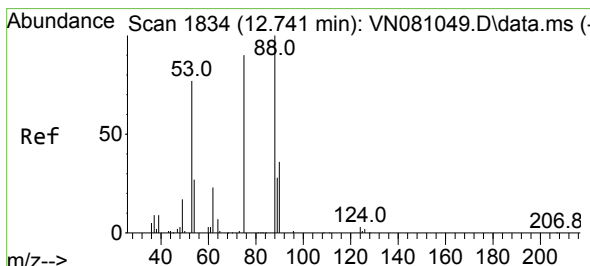
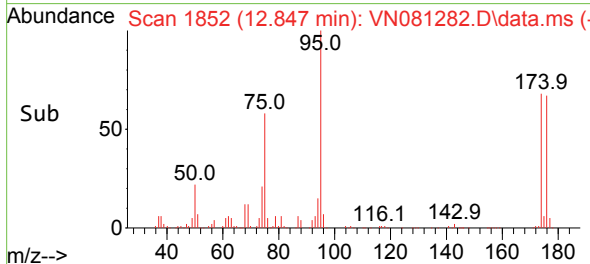
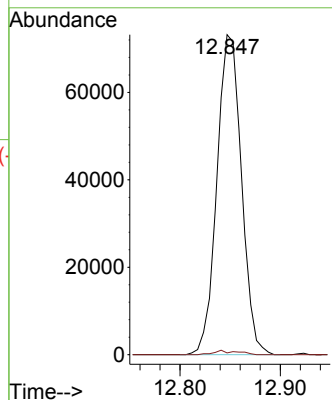
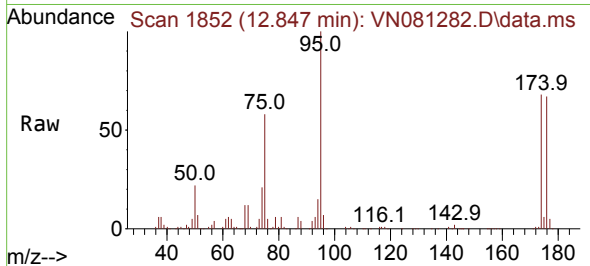




#76
1,2,3-Trichloropropane
Concen: 27.364 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#04

Tgt Ion: 75 Resp: 124372
Ion Ratio Lower Upper
75 100
77 1.3 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.432 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081282.D
Acq: 01 Mar 2024 13:56

Tgt Ion: 75 Resp: 124372
Ion Ratio Lower Upper
75 100
53 0.1 71.4 107.2#
89 0.0 33.4 50.0#

