

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070324\
 Data File : VN082804.D
 Acq On : 03 Jul 2024 15:39
 Operator : JC\MD
 Sample : P3152-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 04 00:00:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 06:02:21 2024
 Response via : Initial Calibration

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

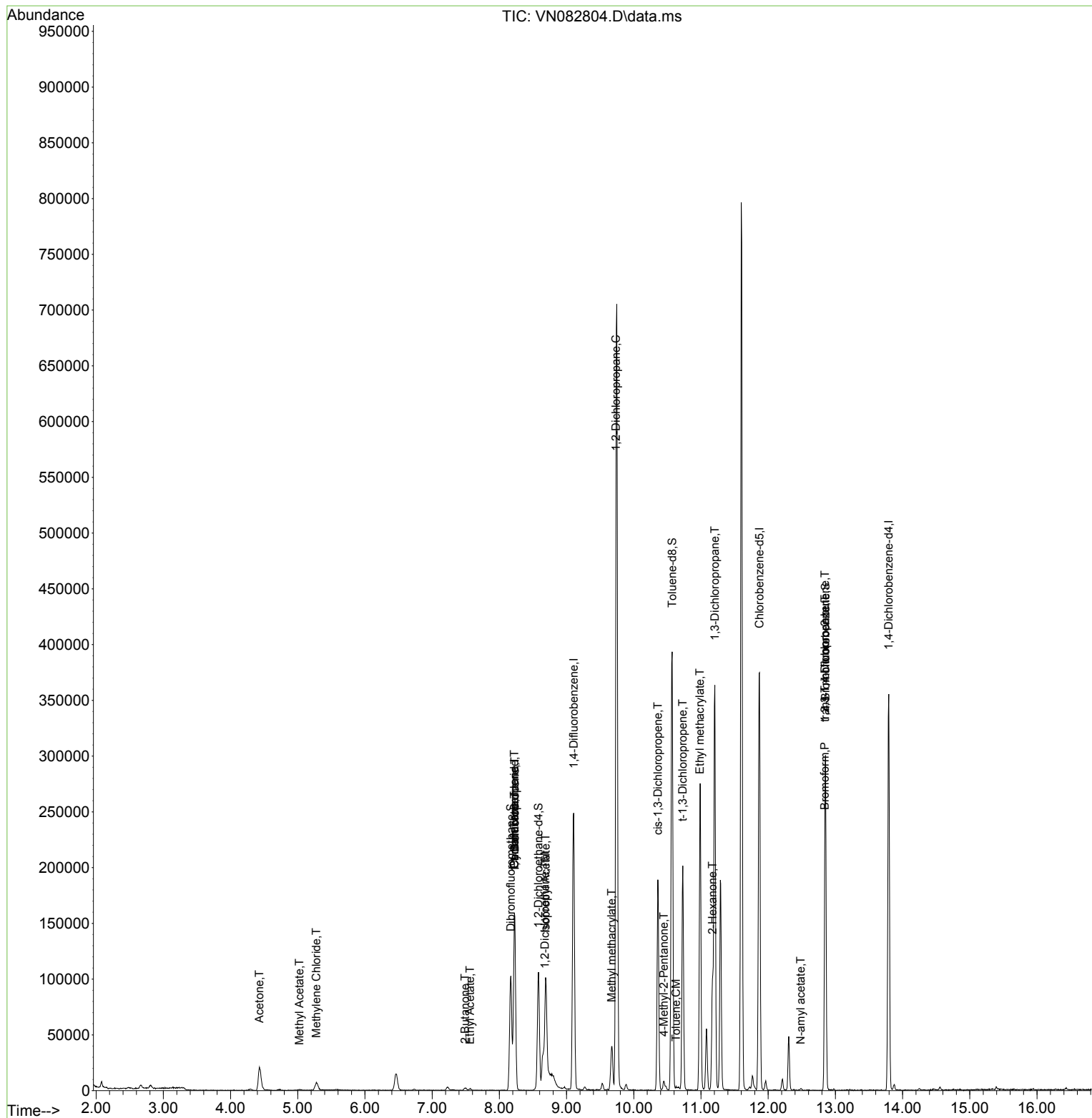
Internal Standards						
1) Pentafluorobenzene	8.224	168	113955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	214015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	217501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	86982	49.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.000%		
35) Dibromofluoromethane	8.171	113	72096	51.166	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.340%		
50) Toluene-d8	10.571	98	274420	52.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.160%		
62) 4-Bromofluorobenzene	12.853	95	100427	55.495	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	110.980%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	39644	59.542	ug/l	94
18) Methyl Acetate	5.024	43	1386	0.783	ug/l #	73
20) Methylene Chloride	5.277	84	5493	3.260	ug/l	88
25) 2-Butanone	7.488	43	4029	3.961	ug/l	99
31) Cyclohexane	8.224	56	2966	1.198	ug/l #	19
36) 1,1-Dichloropropene	8.230	75	9698	4.788	ug/l #	52
37) Ethyl Acetate	7.565	43	2434	1.112	ug/l #	76
38) Carbon Tetrachloride	8.224	117	12570	5.307	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	489	0.205	ug/l #	78
43) Isopropyl Acetate	8.688	43	153538	40.329	ug/l #	82
45) 1,2-Dichloropropane	9.735	63	757	0.470	ug/l #	44
48) Methyl methacrylate	9.671	41	2719	1.614	ug/l #	54
51) 4-Methyl-2-Pentanone	10.447	43	8195	3.660	ug/l #	81
52) Toluene	10.629	92	1004	0.257	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	468	0.206	ug/l	90
54) cis-1,3-Dichloropropene	10.359	75	33235	13.946	ug/l #	59
56) Ethyl methacrylate	10.982	69	824	0.362	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3873	1.457	ug/l #	43
59) 2-Hexanone	11.171	43	76017	45.790	ug/l #	28
71) Bromoform	12.841	173	269	0.203	ug/l #	29
74) N-amyl acetate	12.482	43	865	0.287	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	55541	27.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55541	71.831	ug/l #	6

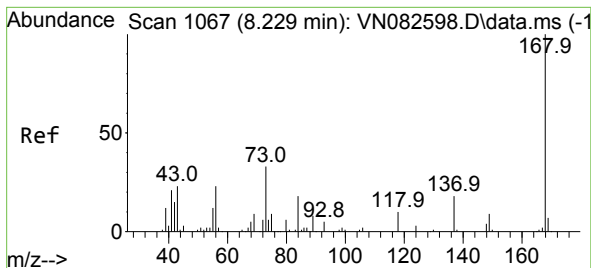
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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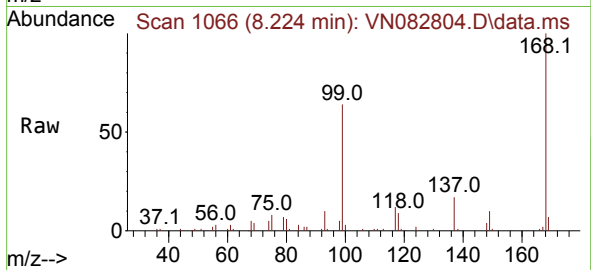
Quant Time: Jul 04 00:00:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062724W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 06:02:21 2024
Response via : Initial Calibration



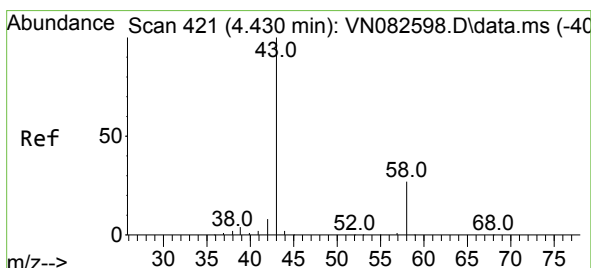
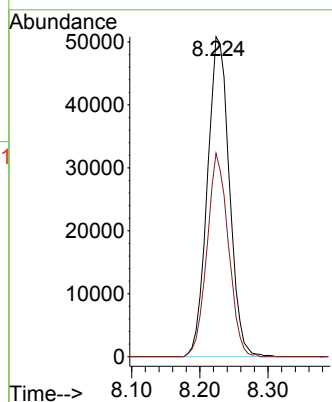
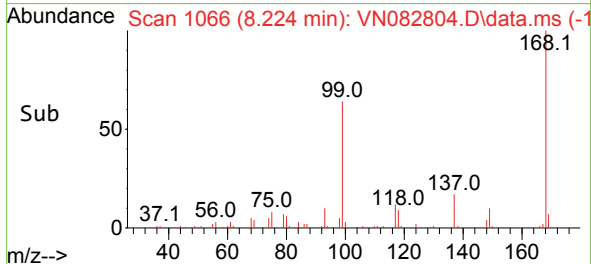


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :

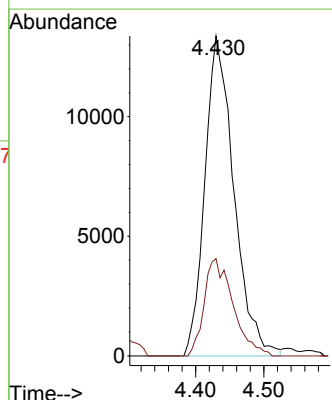
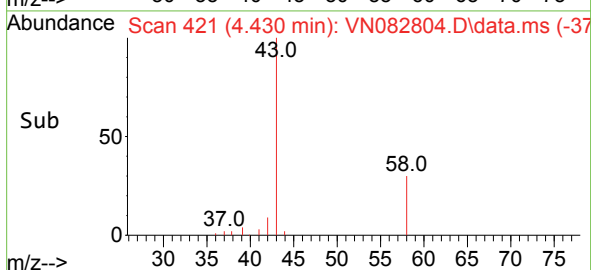
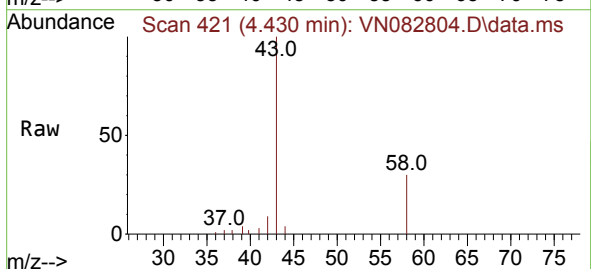


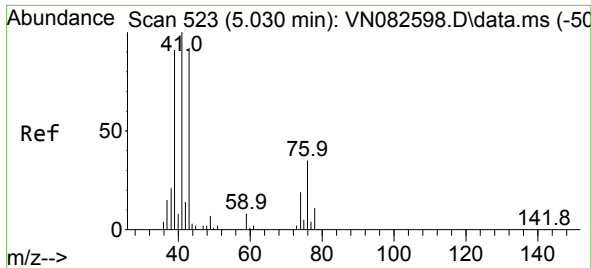
Tgt Ion:168 Resp: 113955
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#16
Acetone
Concen: 59.542 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

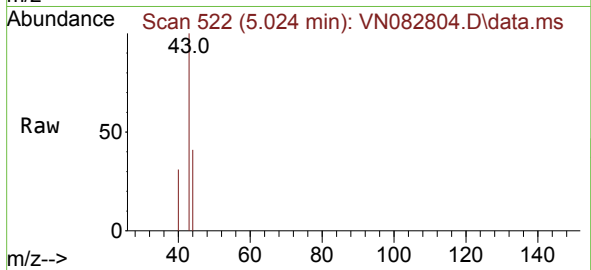
Tgt Ion: 43 Resp: 39644
Ion Ratio Lower Upper
43 100
58 30.4 21.8 32.6



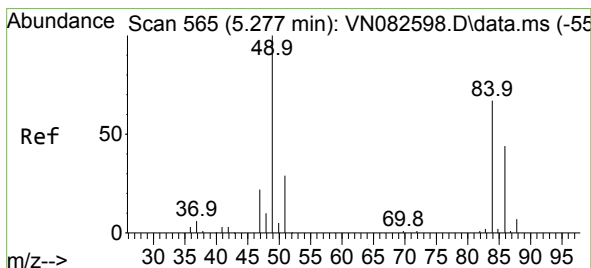
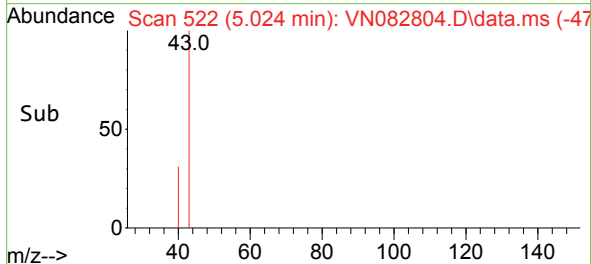
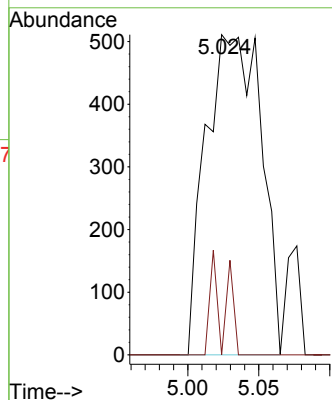


#18
Methyl Acetate
Concen: 0.783 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :

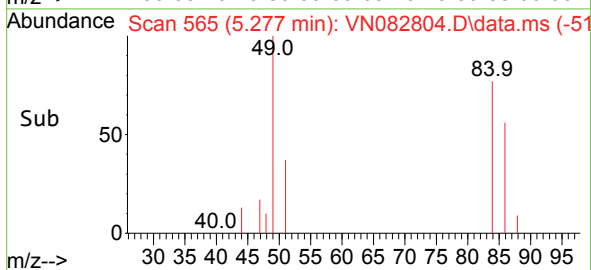
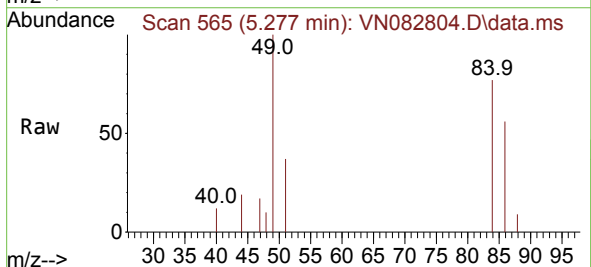
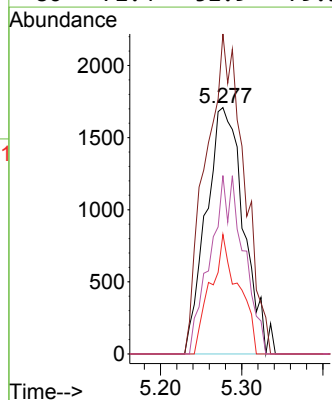


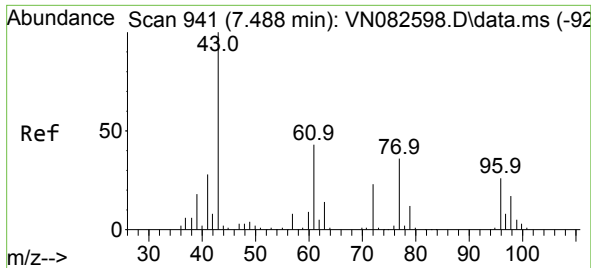
Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
74 8.1 16.3 24.5#



#20
Methylene Chloride
Concen: 3.260 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Tgt Ion: 84 Resp: 5493
Ion Ratio Lower Upper
84 100
49 129.8 119.6 179.4
51 48.5 34.8 52.2
86 72.4 52.9 79.3

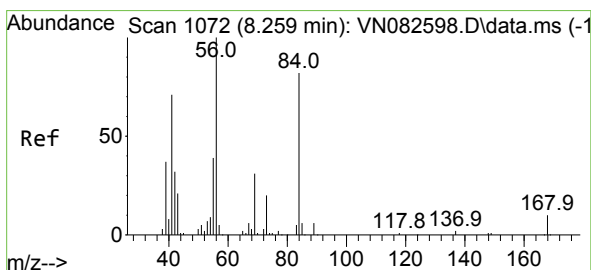
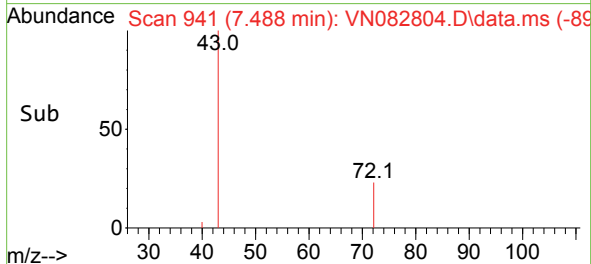
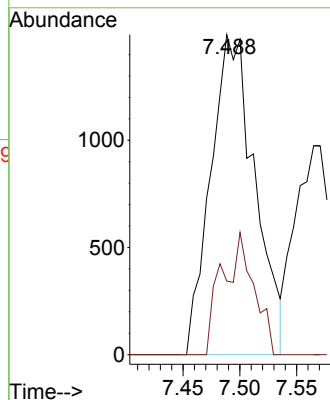
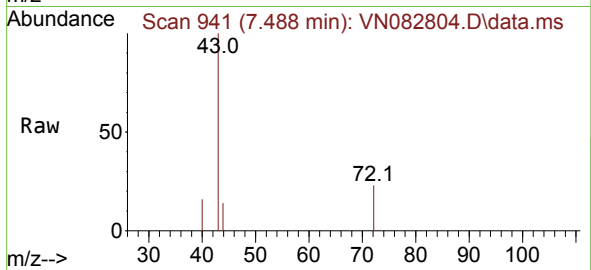




#25
2-Butanone
Concen: 3.961 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

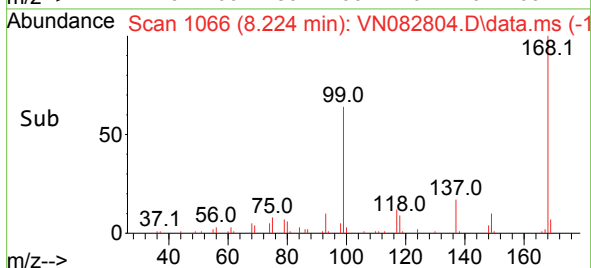
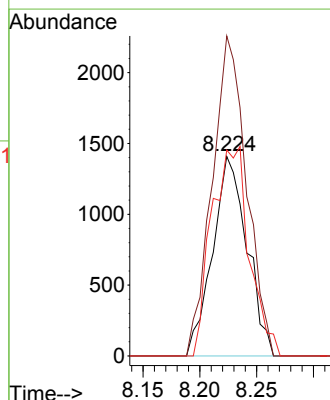
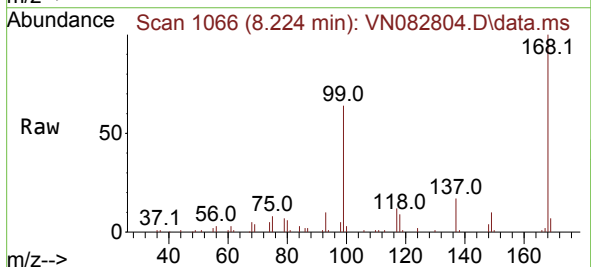
Instrument :
MSVOA_N
ClientSampleId :

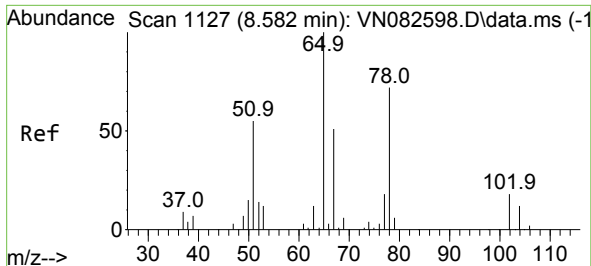
Tgt Ion: 43 Resp: 4029
Ion Ratio Lower Upper
43 100
72 23.0 18.2 27.2



#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Tgt Ion: 56 Resp: 2966
Ion Ratio Lower Upper
56 100
69 160.3 24.5 36.7#
84 103.2 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 49.496 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Instrument :

MSVOA_N

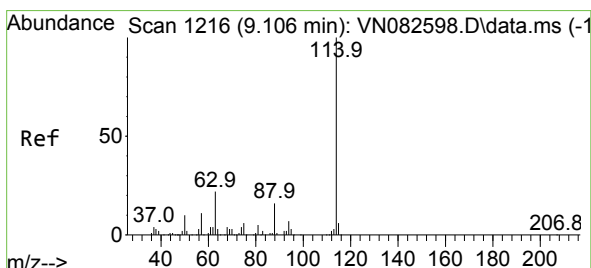
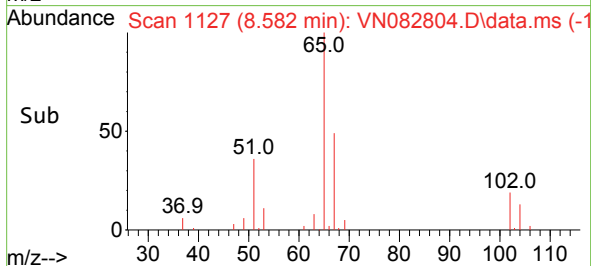
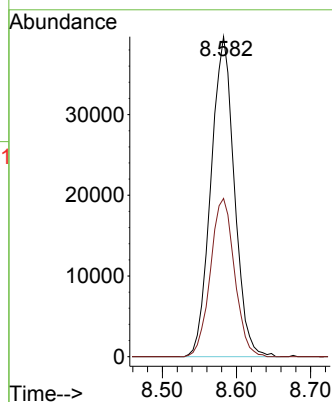
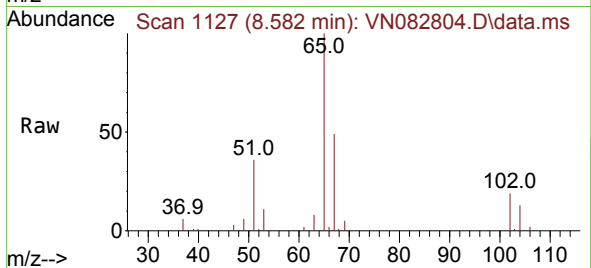
ClientSampleId :

Tgt Ion: 65 Resp: 86982

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

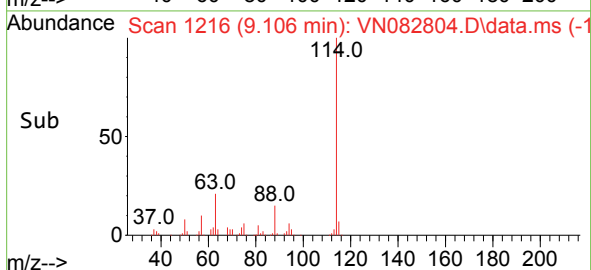
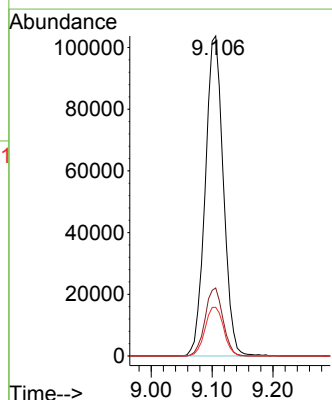
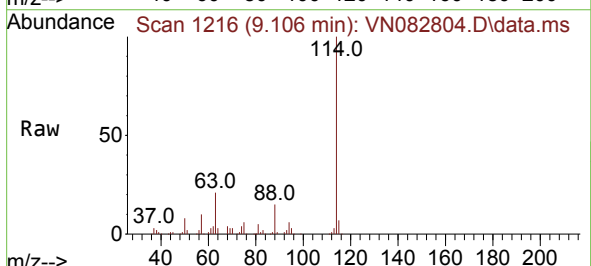
Tgt Ion: 114 Resp: 214015

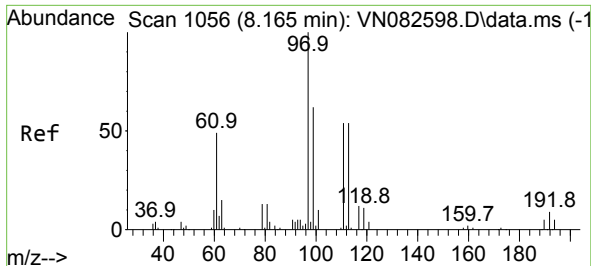
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.6

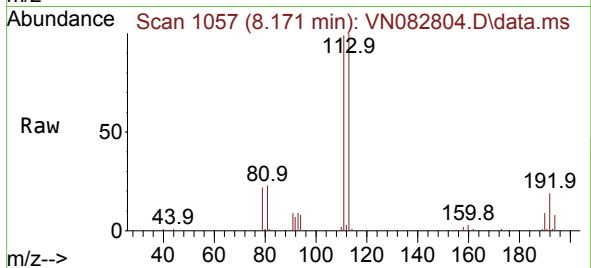
88 15.2 0.0 31.4



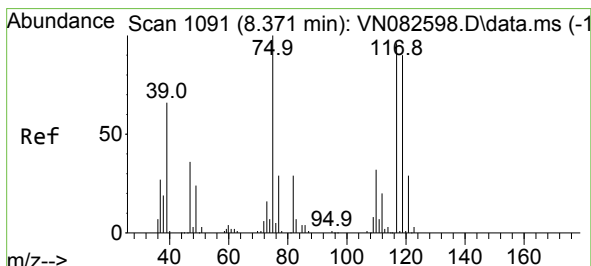
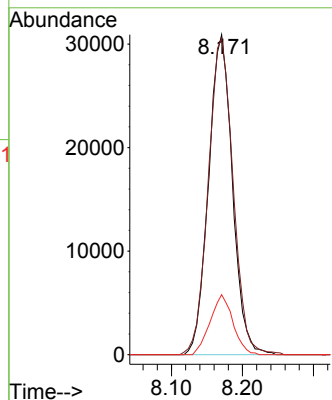
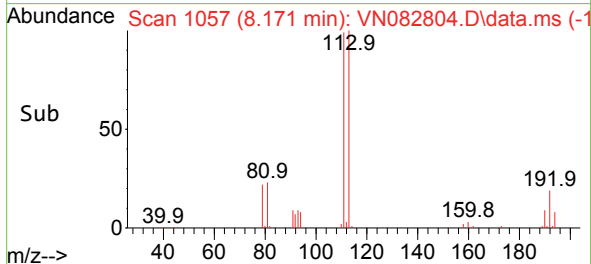


#35
Dibromofluoromethane
Concen: 51.166 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :

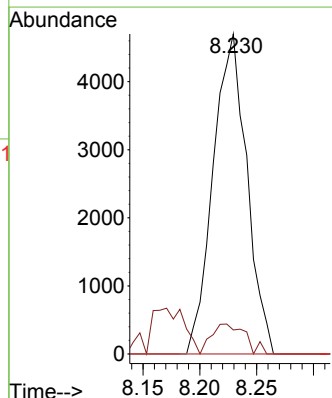
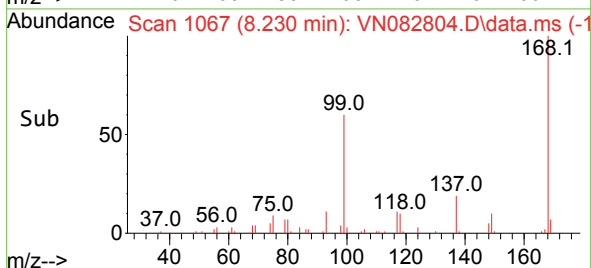
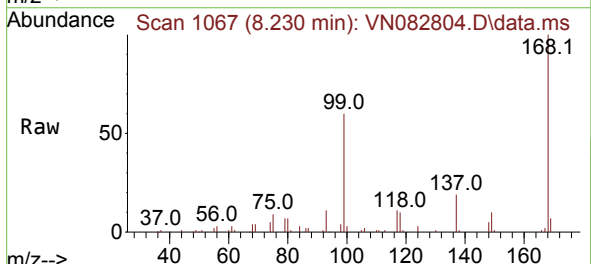


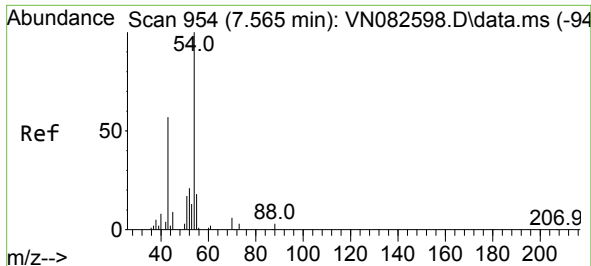
Tgt Ion:113 Resp: 72096
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 17.9 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.788 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Tgt Ion: 75 Resp: 9698
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.112 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.000 min

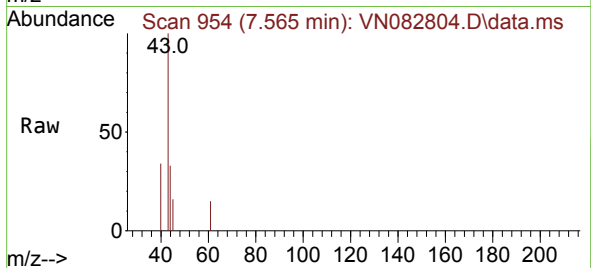
Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

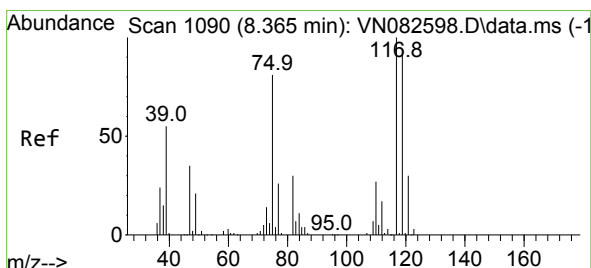
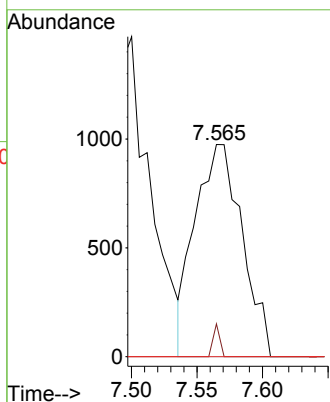
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2434
Ion	Ratio	Lower	Upper
43	100		
61	2.2	9.3	13.9#
70	0.0	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 5.307 ug/l

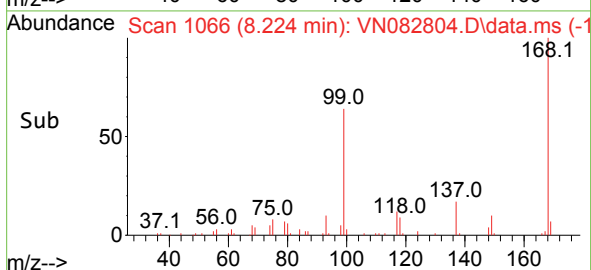
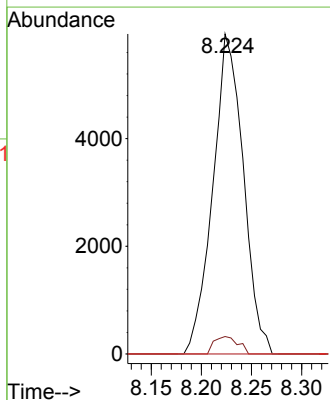
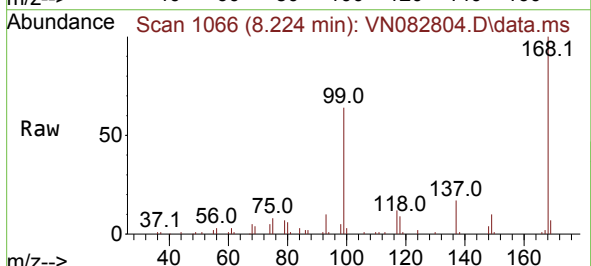
RT: 8.224 min Scan# 1066

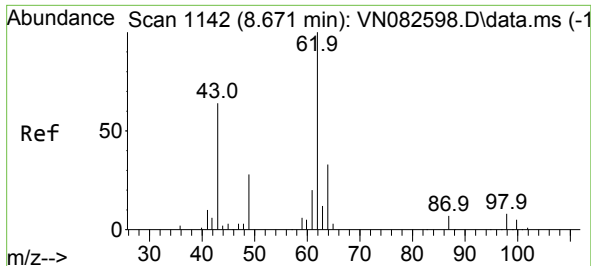
Delta R.T. -0.141 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Tgt Ion:	117	Resp:	12570
Ion	Ratio	Lower	Upper
117	100		
119	5.5	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.205 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Instrument :

MSVOA_N

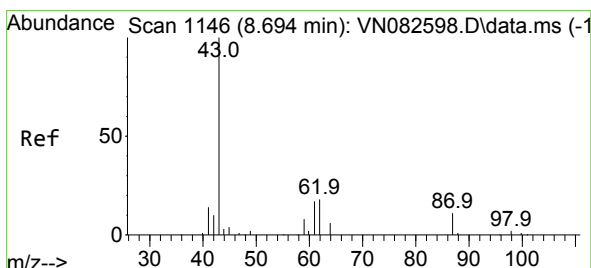
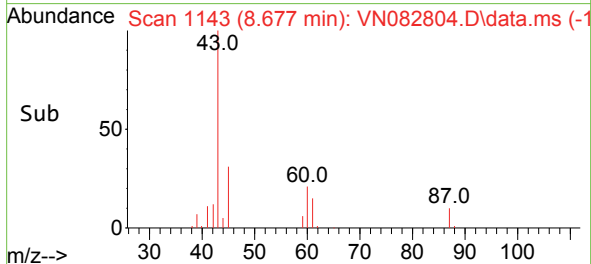
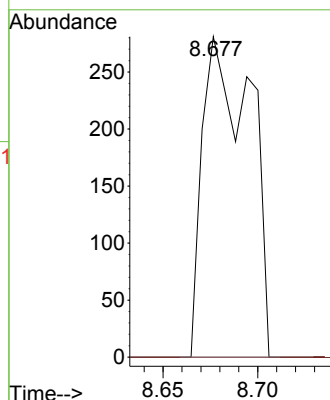
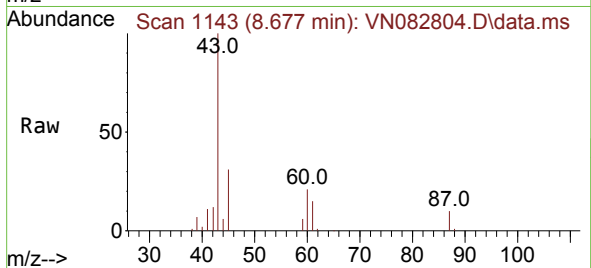
ClientSampleId :

Tgt Ion: 62 Resp: 489

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 40.329 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

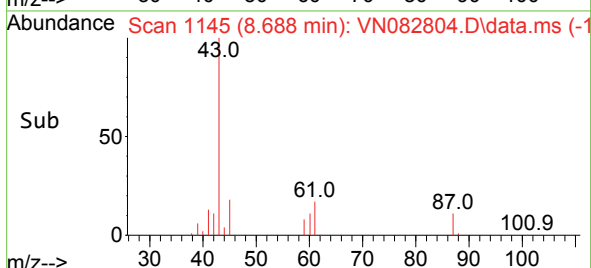
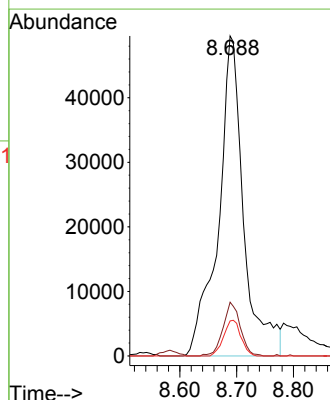
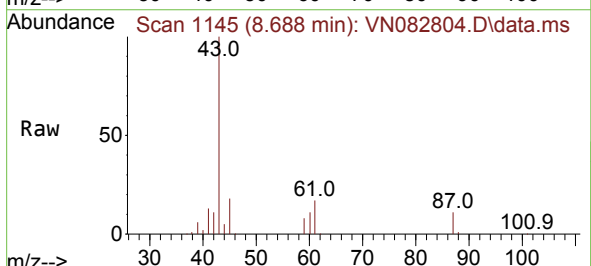
Tgt Ion: 43 Resp: 153538

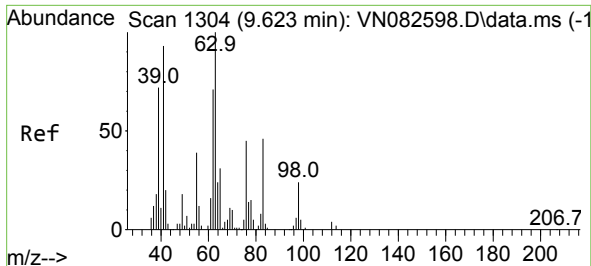
Ion Ratio Lower Upper

43 100

61 11.5 17.8 26.6#

87 7.6 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.470 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.112 min

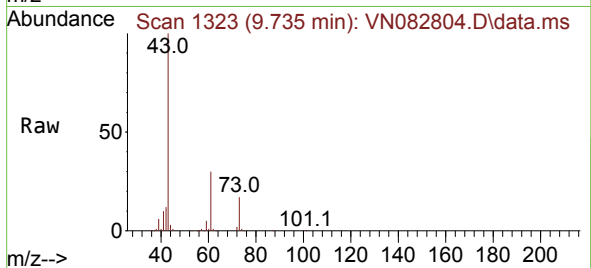
Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :

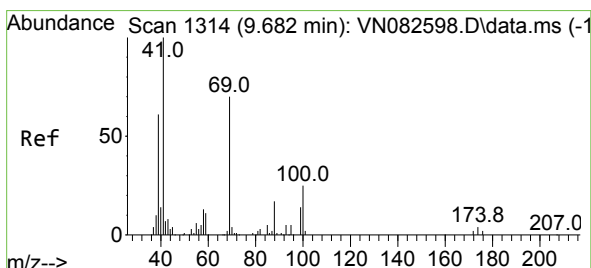
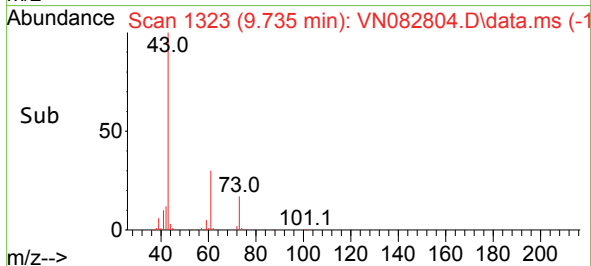
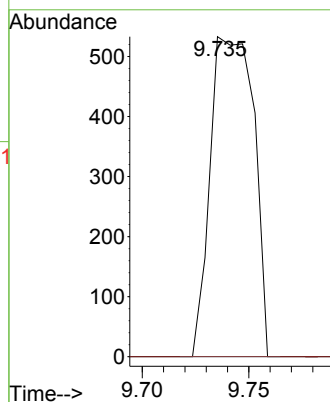


Tgt Ion: 63 Resp: 757

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.614 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

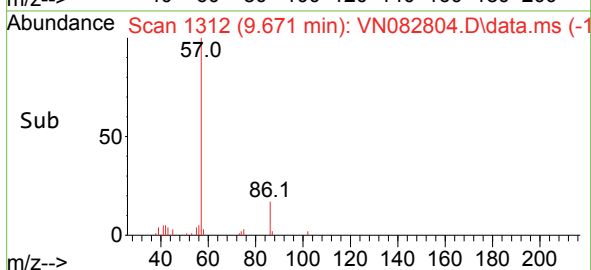
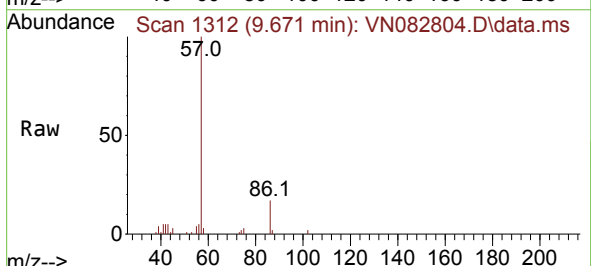
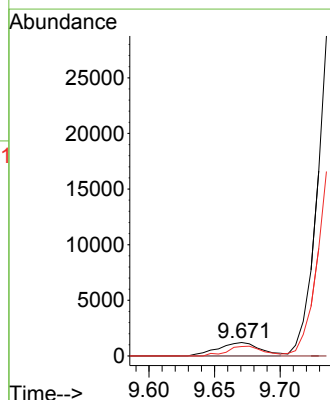
Tgt Ion: 41 Resp: 2719

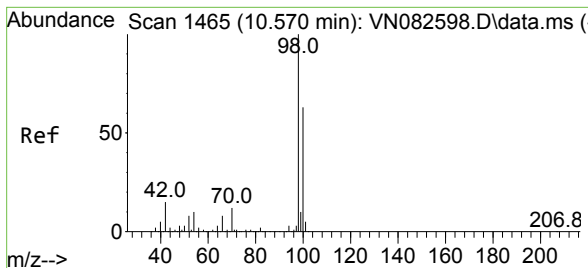
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 61.0 50.3 75.5

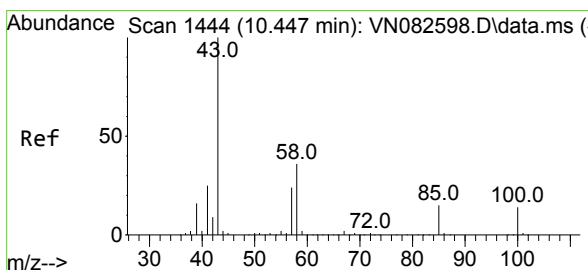
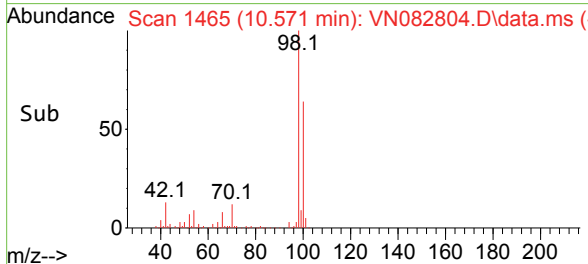
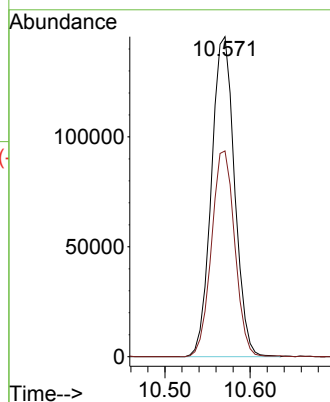
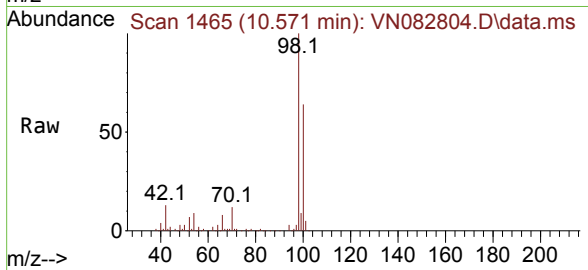




#50
Toluene-d8
Concen: 52.076 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

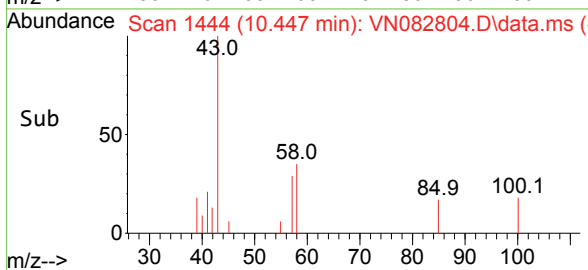
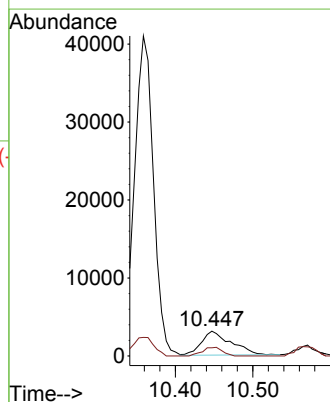
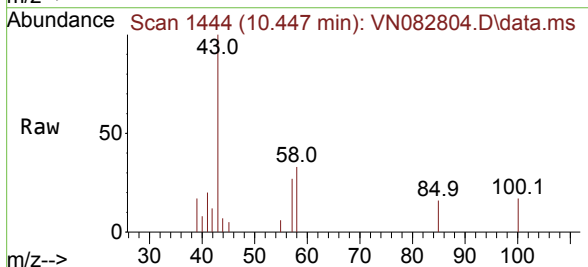
Instrument :
MSVOA_N
ClientSampleId :

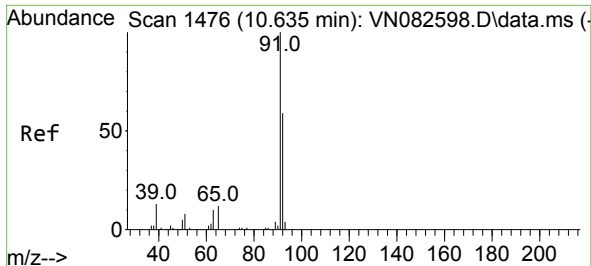
Tgt Ion: 98 Resp: 274420
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 3.660 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Tgt Ion: 43 Resp: 8195
Ion Ratio Lower Upper
43 100
58 24.3 28.2 42.4#

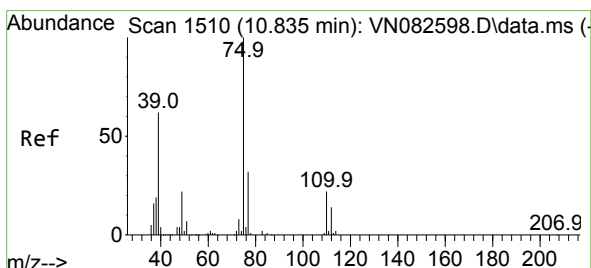
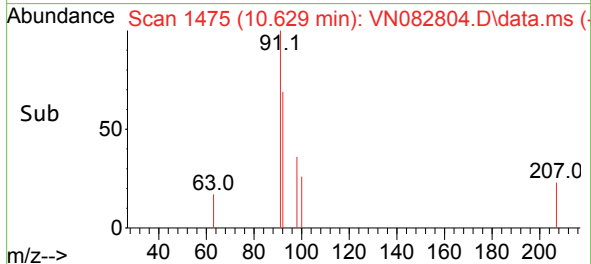
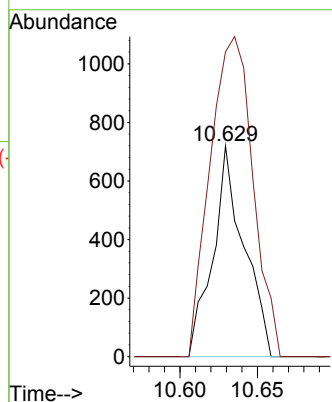
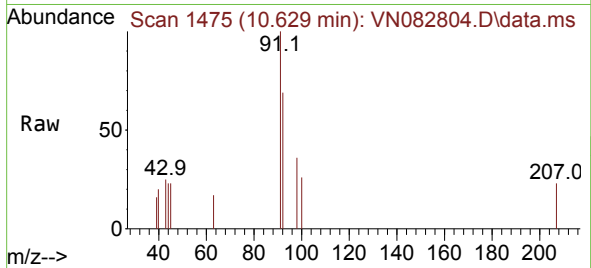




#52
Toluene
Concen: 0.257 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

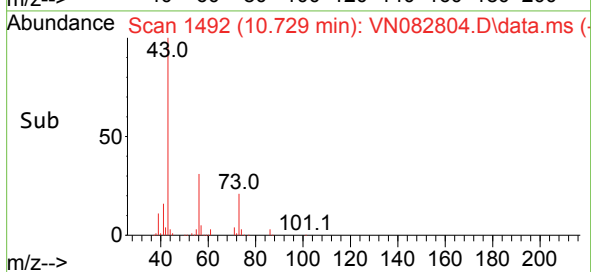
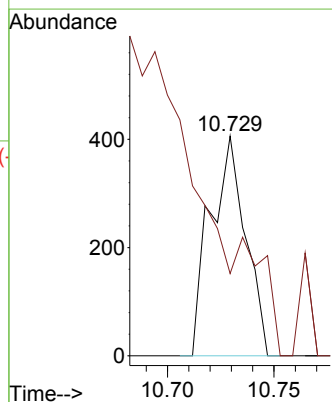
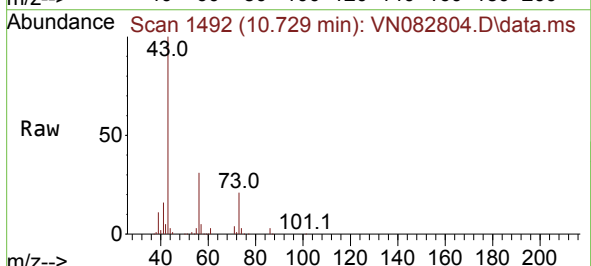
Instrument :
MSVOA_N
ClientSampleId :

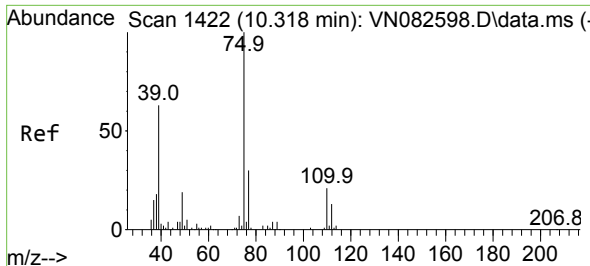
Tgt Ion: 92 Resp: 1004
Ion Ratio Lower Upper
92 100
91 209.6 139.4 209.0#



#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

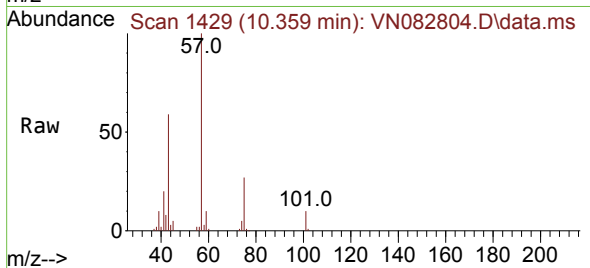
Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 37.4 25.7 38.5



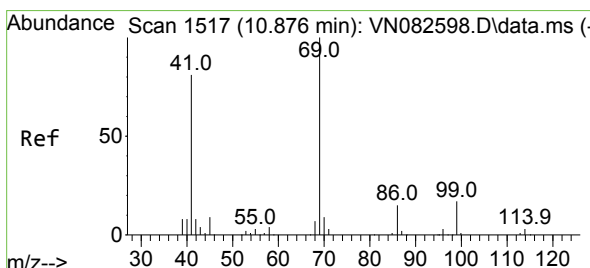
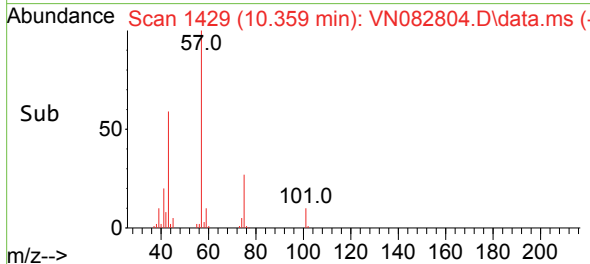
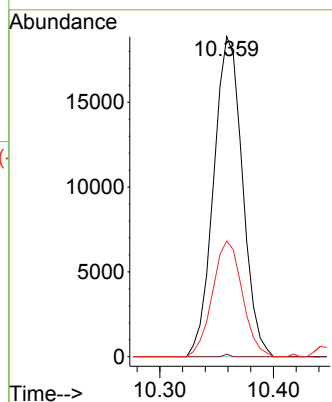


#54
 cis-1,3-Dichloropropene
 Concen: 13.946 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN082804.D
 Acq: 03 Jul 2024 15:39

Instrument :
 MSVOA_N
 ClientSampleId :

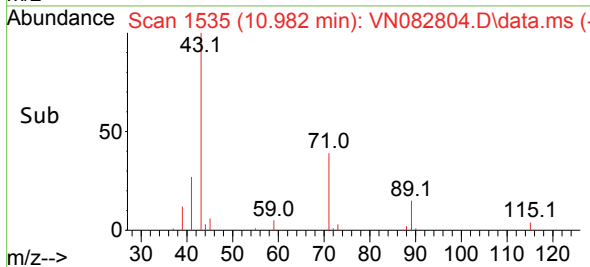
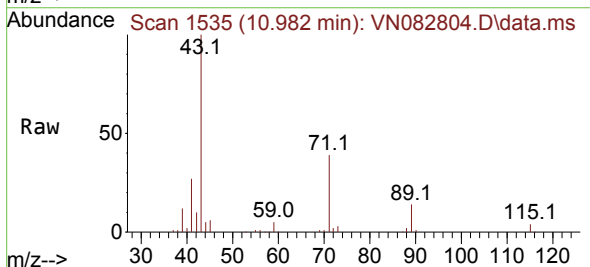
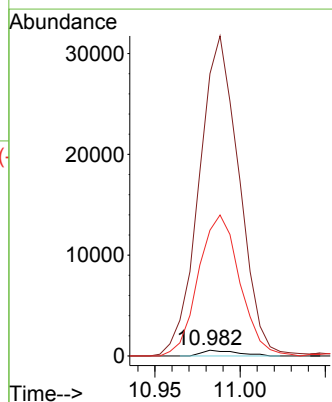


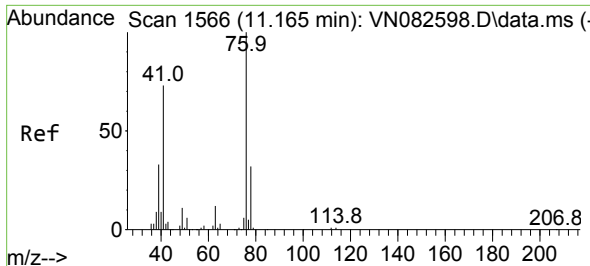
Tgt Ion: 75 Resp: 33235
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 36.2 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.362 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082804.D
 Acq: 03 Jul 2024 15:39

Tgt Ion: 69 Resp: 824
 Ion Ratio Lower Upper
 69 100
 41 6314.9 63.4 95.2#
 39 2870.1 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.457 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

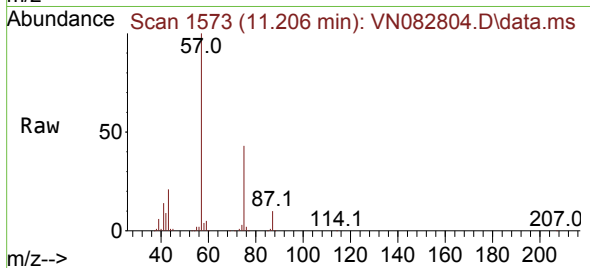
Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :

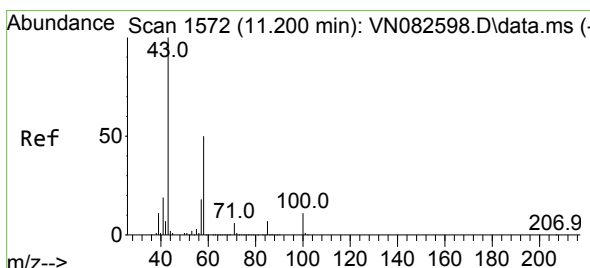
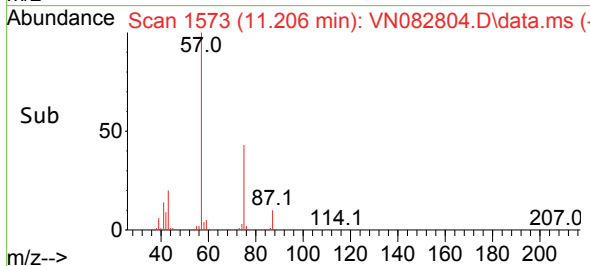
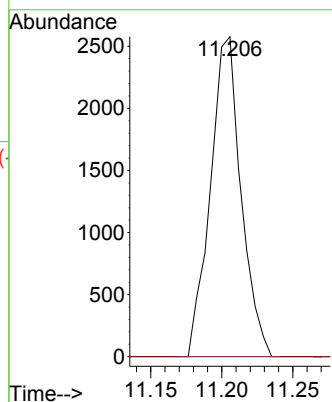


Tgt Ion: 76 Resp: 3873

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 45.790 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.029 min

Lab File: VN082804.D

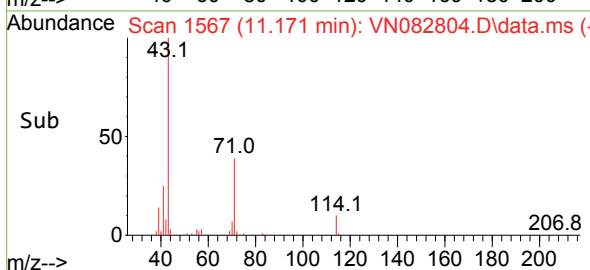
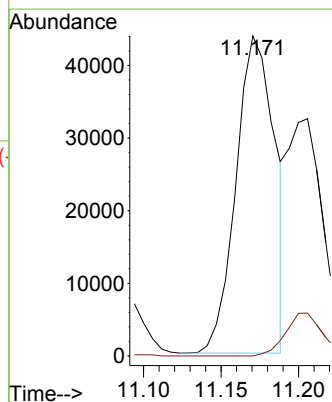
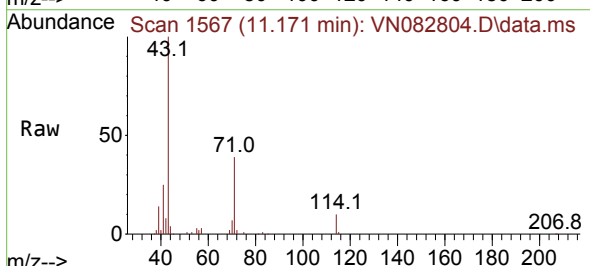
Acq: 03 Jul 2024 15:39

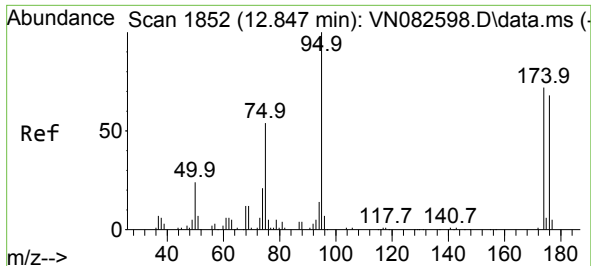
Tgt Ion: 43 Resp: 76017

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

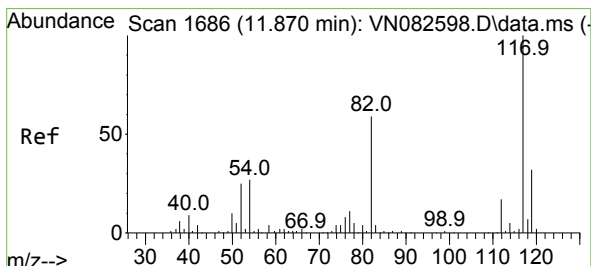
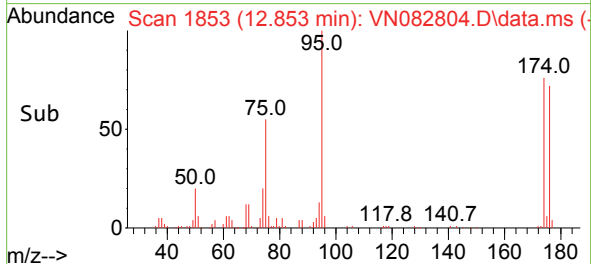
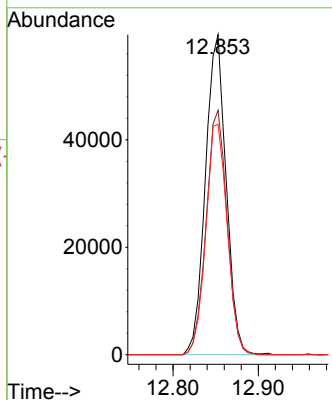
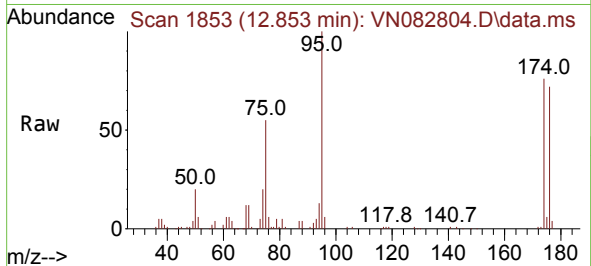




#62
4-Bromofluorobenzene
Concen: 55.495 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

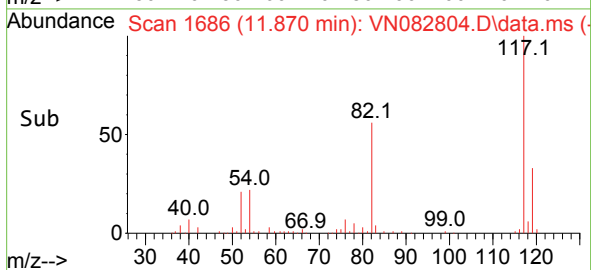
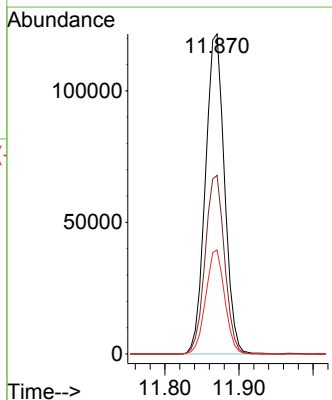
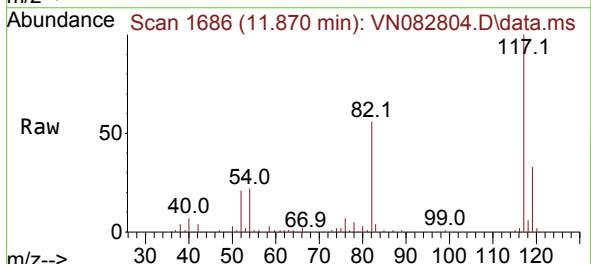
Instrument :
MSVOA_N
ClientSampleId :

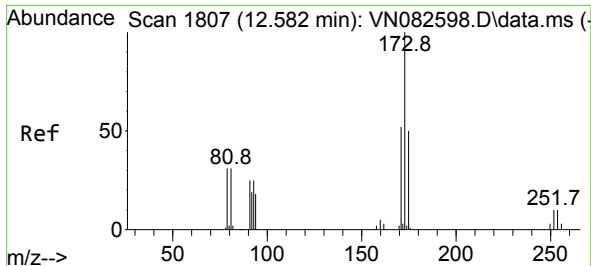
Tgt Ion: 95 Resp: 100427
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.2
176 74.3 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

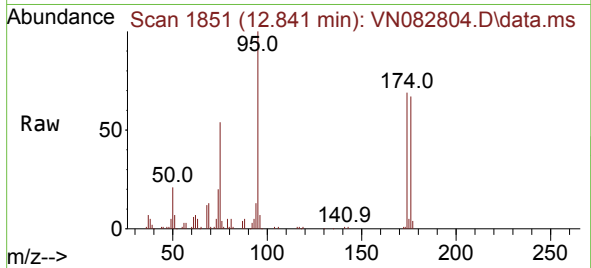
Tgt Ion: 117 Resp: 217501
Ion Ratio Lower Upper
117 100
82 55.8 47.5 71.3
119 32.5 25.6 38.4



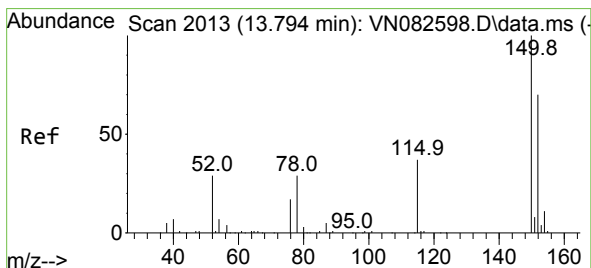
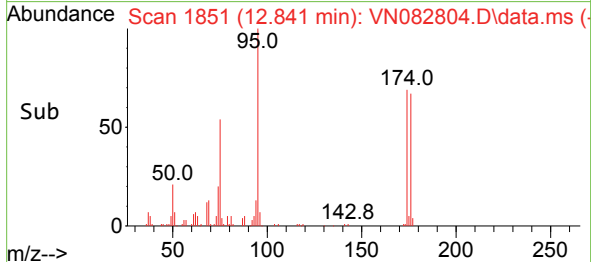
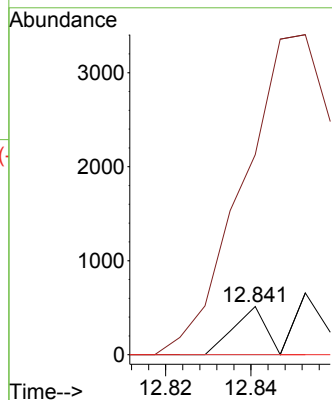


#71
Bromoform
Concen: 0.203 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Instrument :
MSVOA_N
ClientSampleId :

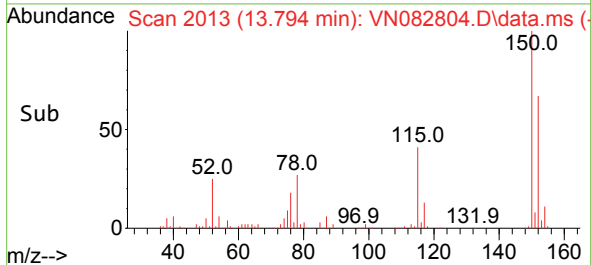
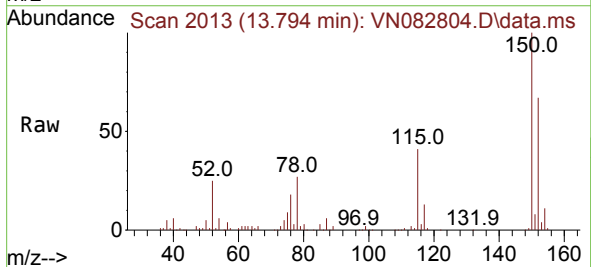
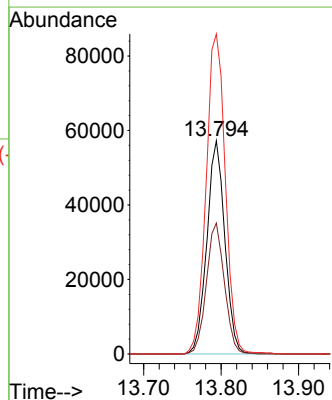


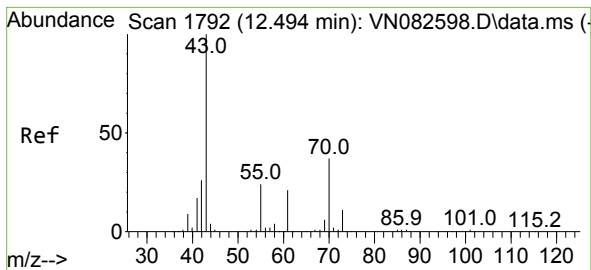
Tgt Ion:173 Resp: 269
Ion Ratio Lower Upper
173 100
175 0.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082804.D
Acq: 03 Jul 2024 15:39

Tgt Ion:152 Resp: 92446
Ion Ratio Lower Upper
152 100
115 61.3 30.6 91.6
150 159.4 0.0 348.6





#74

N-amyl acetate

Concen: 0.287 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

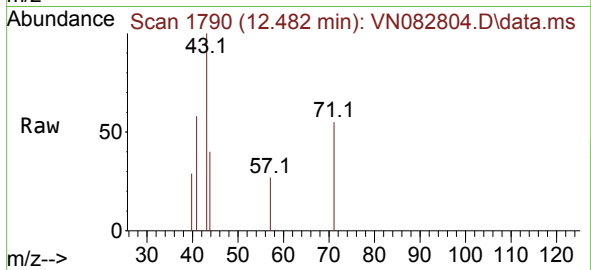
Lab File: VN082804.D

Acq: 03 Jul 2024 15:39

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 865

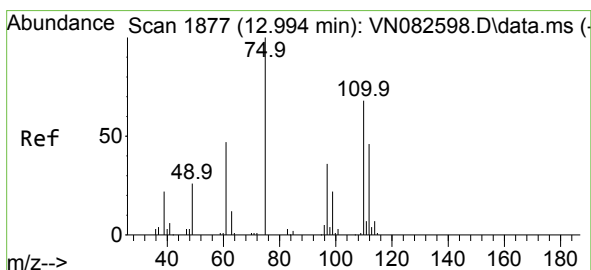
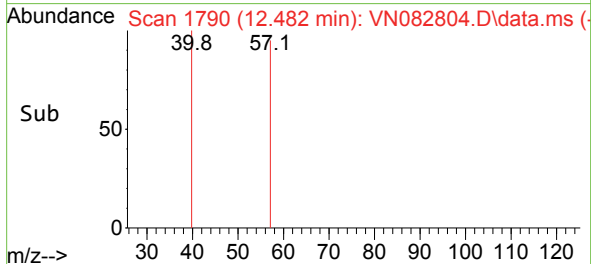
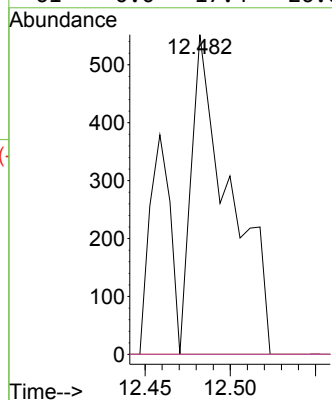
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 0.0 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 27.544 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082804.D

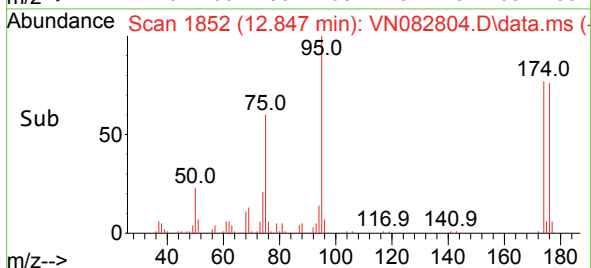
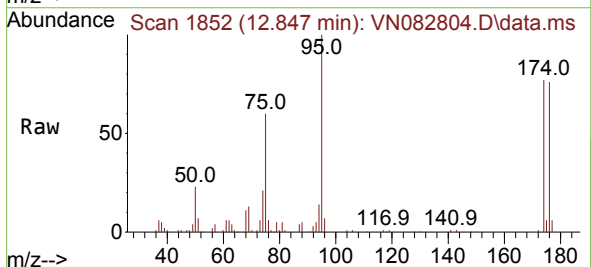
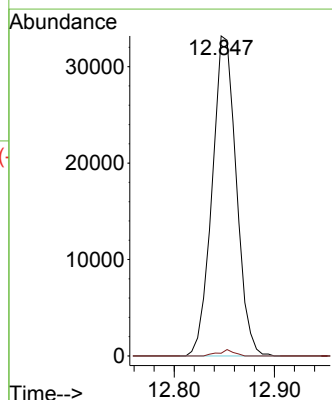
Acq: 03 Jul 2024 15:39

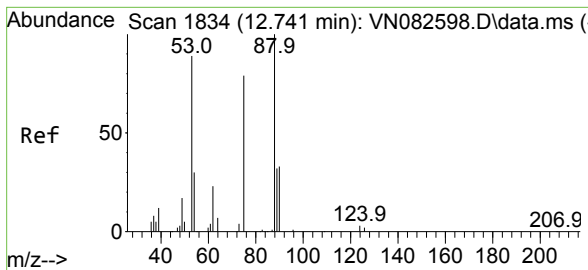
Tgt Ion: 75 Resp: 55541

Ion Ratio Lower Upper

75 100

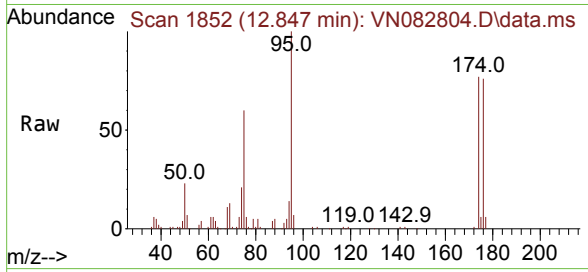
77 1.3 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.831 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082804.D
 Acq: 03 Jul 2024 15:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	55541
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

