

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082883.D
 Acq On : 11 Jul 2024 17:57
 Operator : JC\MD
 Sample : P3222-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 12 01:10:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

Compound	R.T.	T.Q	Ion	Response	Conc	Units	Dev(Min)

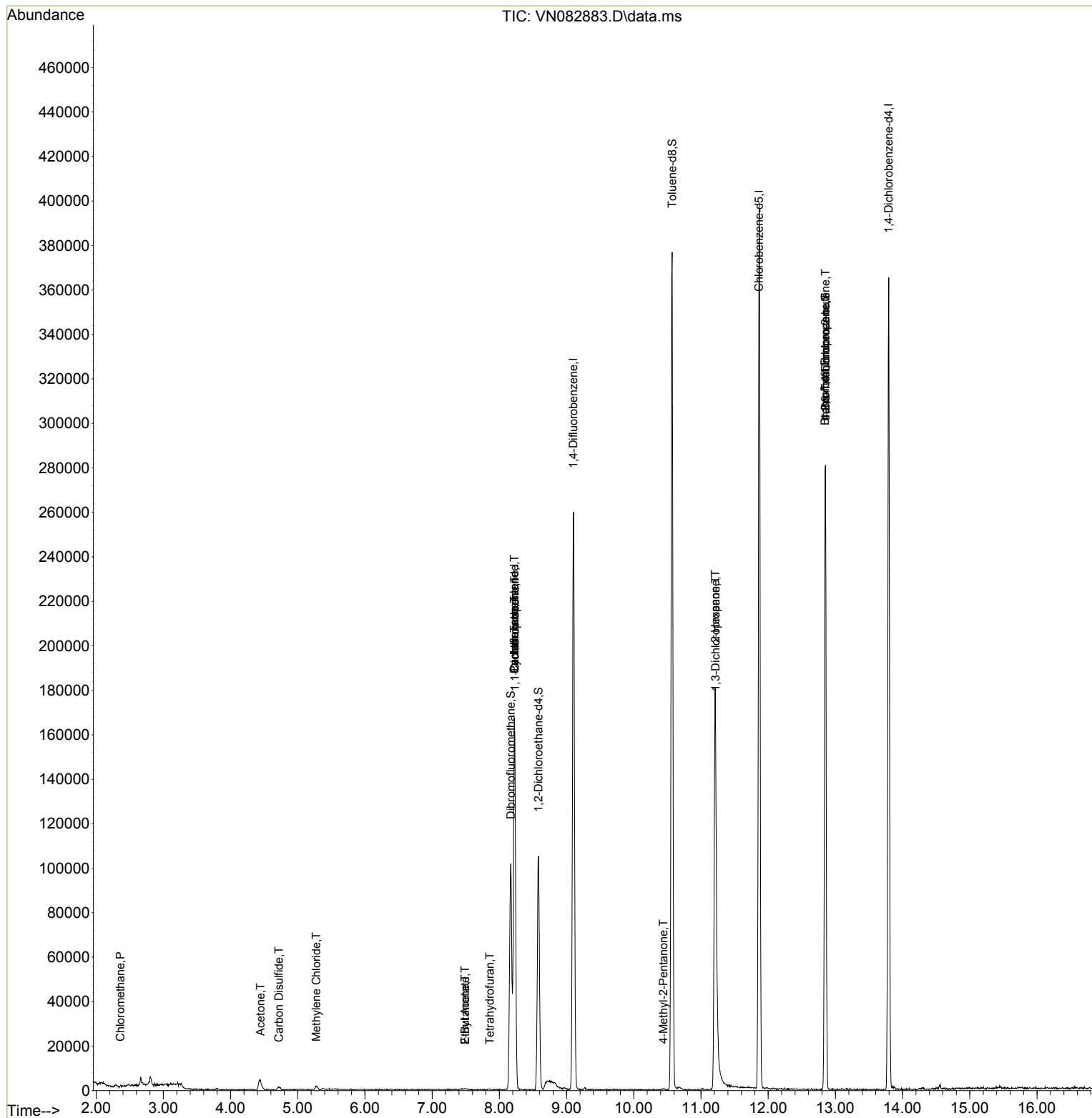
Internal Standards							
1) Pentafluorobenzene	8.224	168		115989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114		220464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117		223403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152		95298	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65		86210	53.022	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.040%	
35) Dibromofluoromethane	8.171	113		72532	51.272	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.540%	
50) Toluene-d8	10.571	98		259131	49.594	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.180%	
62) 4-Bromofluorobenzene	12.853	95		94436	50.316	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.640%	
Target Compounds							
							Qvalue
3) Chloromethane	2.359	50		441	0.310	ug/l	# 43
16) Acetone	4.447	43		9265	16.185	ug/l	96
17) Carbon Disulfide	4.718	76		1781	0.503	ug/l	# 75
20) Methylene Chloride	5.277	84		1200	0.868	ug/l	# 77
25) 2-Butanone	7.488	43		1234	1.428	ug/l	# 53
29) Tetrahydrofuran	7.859	42		307	0.564	ug/l	# 38
31) Cyclohexane	8.224	56		2852	1.342	ug/l	# 23
36) 1,1-Dichloropropene	8.230	75		10453	5.359	ug/l	# 51
37) Ethyl Acetate	7.488	43		1234	0.621	ug/l	# 72
38) Carbon Tetrachloride	8.224	117		13148	5.599	ug/l	# 18
43) Isopropyl Acetate	8.735	43		5478	Below Cal		# 60
51) 4-Methyl-2-Pentanone	10.441	43		757	0.385	ug/l	# 39
57) 1,3-Dichloropropane	11.218	76		1175	0.482	ug/l	# 43
59) 2-Hexanone	11.212	43		61542	42.047	ug/l	# 40
71) Bromoform	12.847	173		664	0.496	ug/l	# 1
76) 1,2,3-Trichloropropane	12.853	75		54013	32.875	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75		54013	64.655	ug/l	# 6

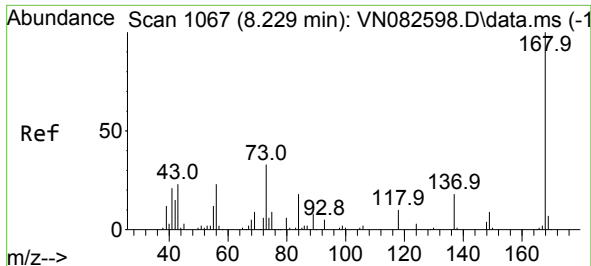
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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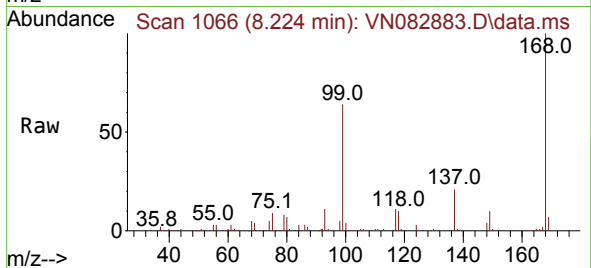
Quant Time: Jul 12 01:10:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
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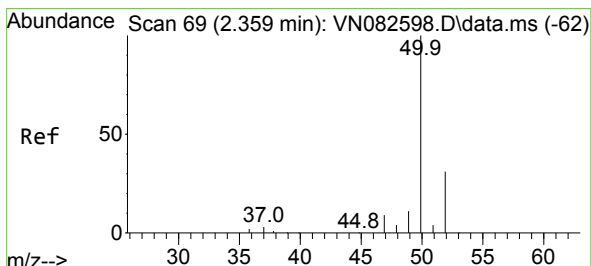
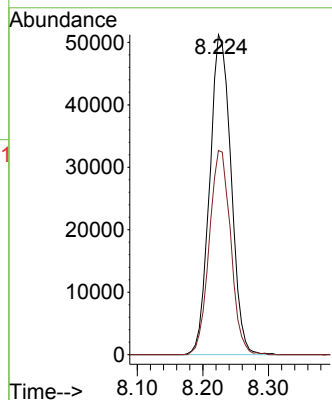
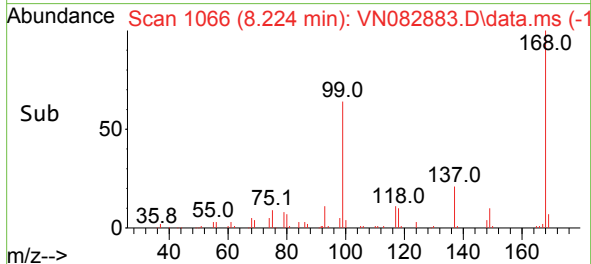


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

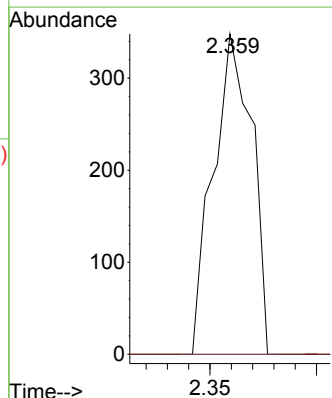
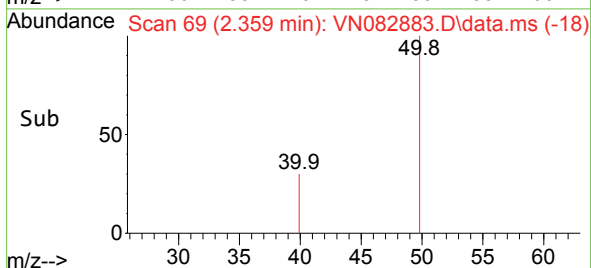
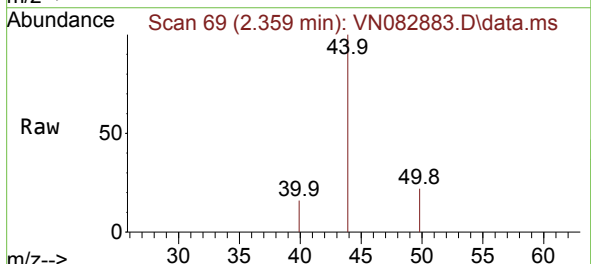


Tgt Ion:168 Resp: 115989
Ion Ratio Lower Upper
168 100
99 63.8 48.2 72.4



#3
Chloromethane
Concen: 0.310 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

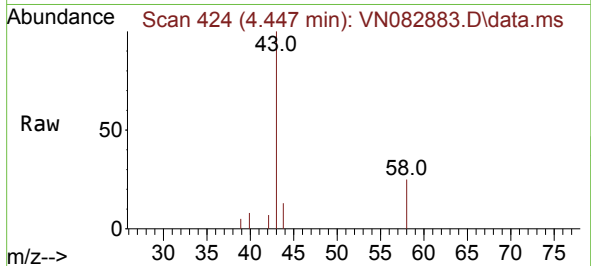
Tgt Ion: 50 Resp: 441
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



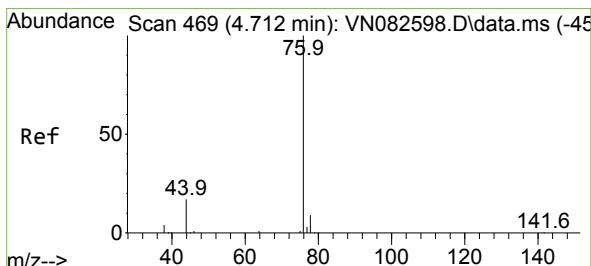
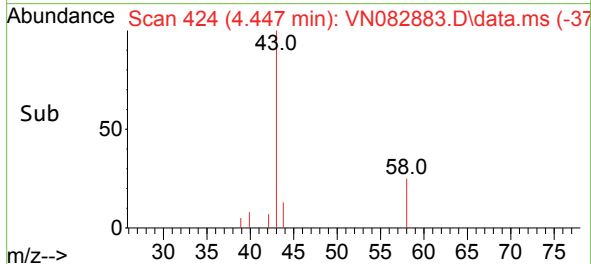
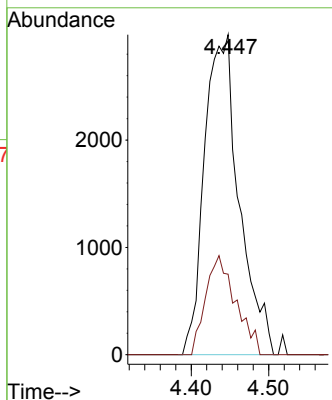


#16
Acetone
Concen: 16.185 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

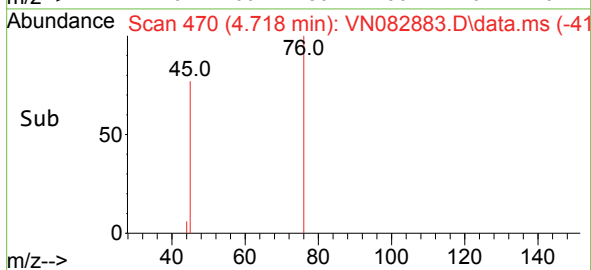
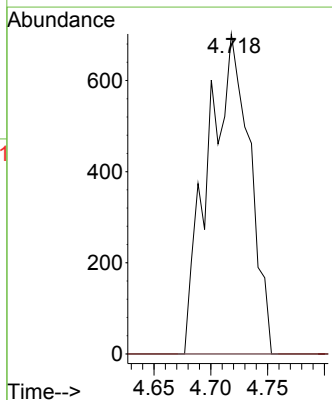
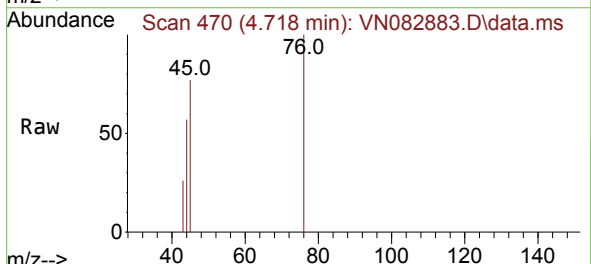


Tgt Ion: 43 Resp: 9265
Ion Ratio Lower Upper
43 100
58 25.2 21.8 32.6



#17
Carbon Disulfide
Concen: 0.503 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.006 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

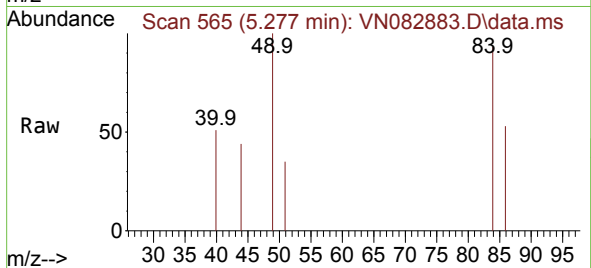
Tgt Ion: 76 Resp: 1781
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





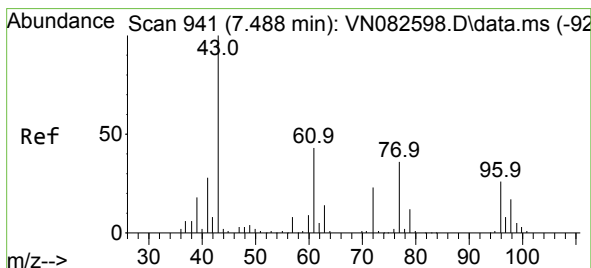
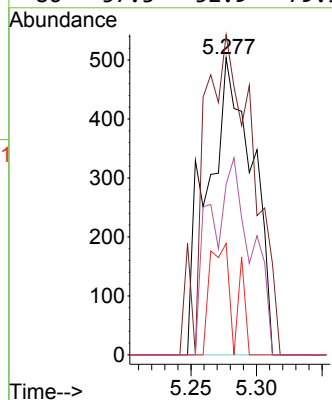
#20
Methylene Chloride
Concen: 0.868 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1200

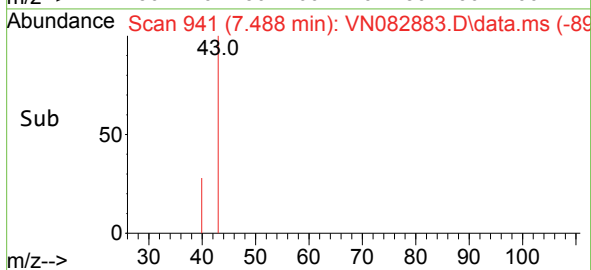
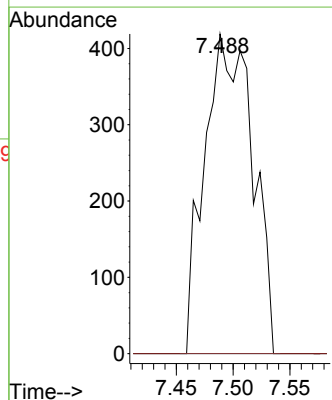
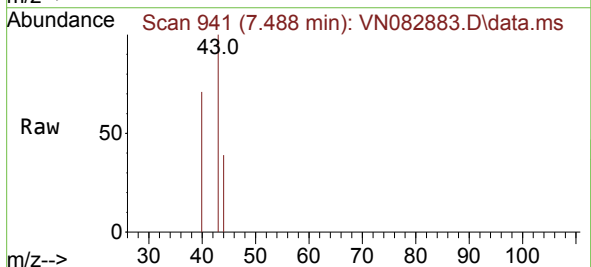
Ion	Ratio	Lower	Upper
84	100		
49	107.7	119.6	179.4#
51	37.5	34.8	52.2
86	57.3	52.9	79.3

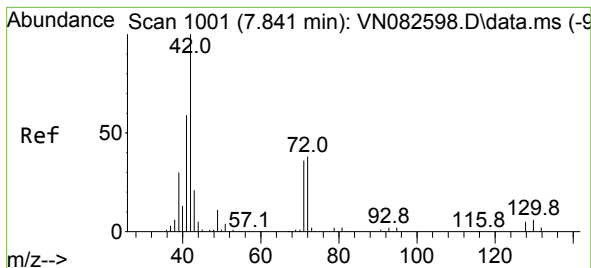


#25
2-Butanone
Concen: 1.428 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Tgt Ion: 43 Resp: 1234

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#





#29

Tetrahydrofuran

Concen: 0.564 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.018 min

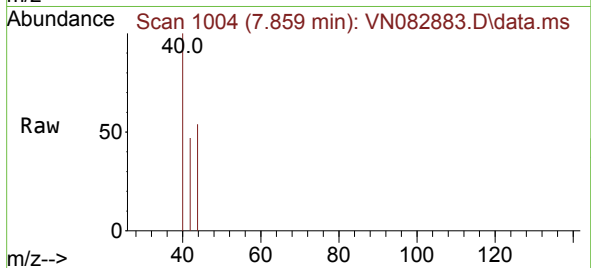
Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

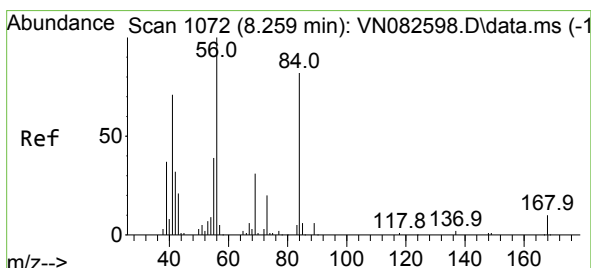
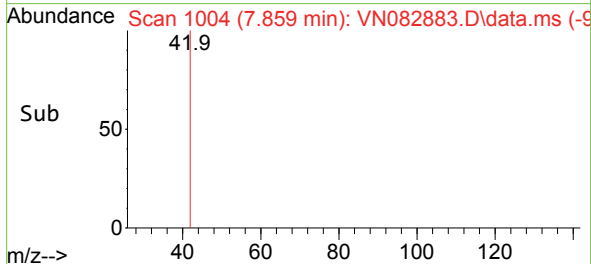
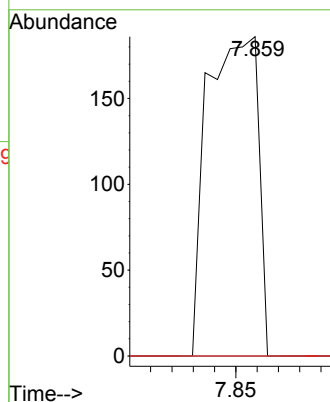
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	307
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.342 ug/l

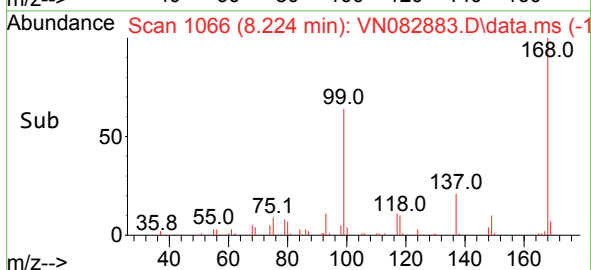
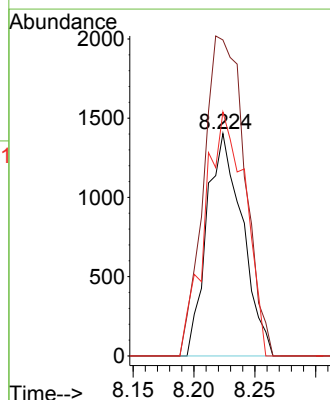
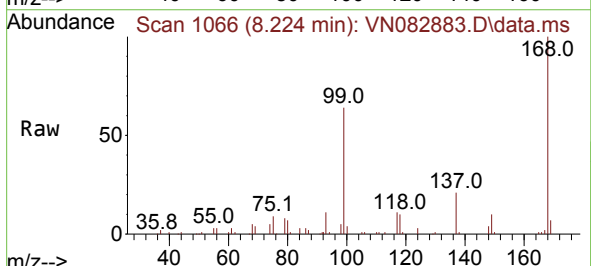
RT: 8.224 min Scan# 1066

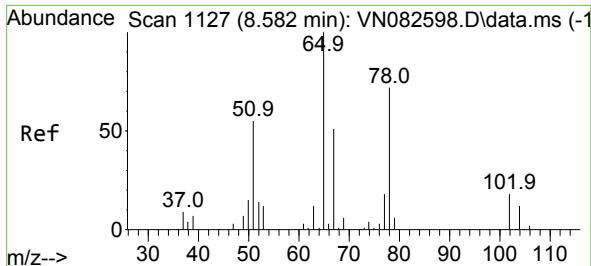
Delta R.T. -0.035 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

Tgt Ion:	56	Resp:	2852
Ion	Ratio	Lower	Upper
56	100		
69	142.1	24.5	36.7#
84	109.7	66.0	99.0#





#33

1,2-Dichloroethane-d4

Concen: 53.022 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

Instrument :

MSVOA_N

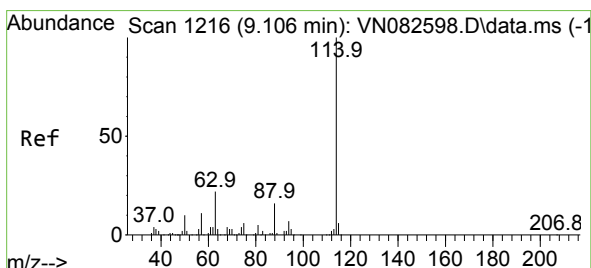
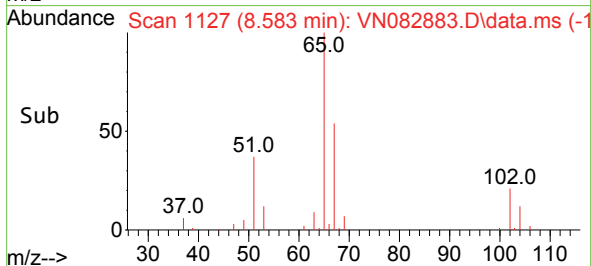
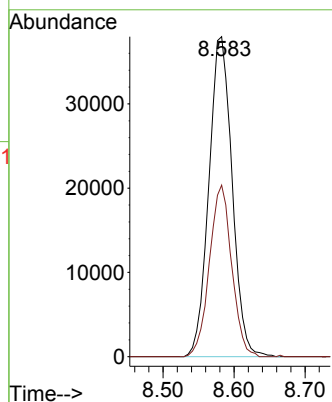
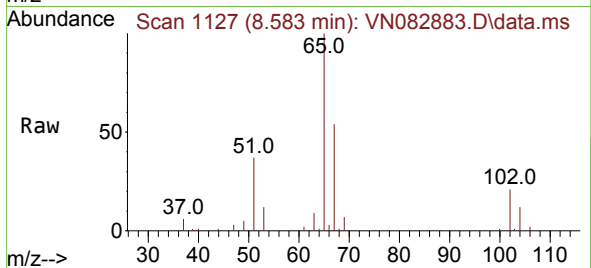
ClientSampleId :

Tgt Ion: 65 Resp: 86210

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

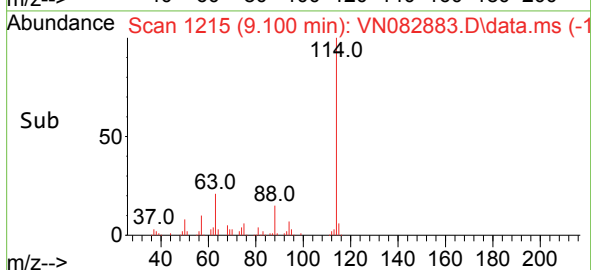
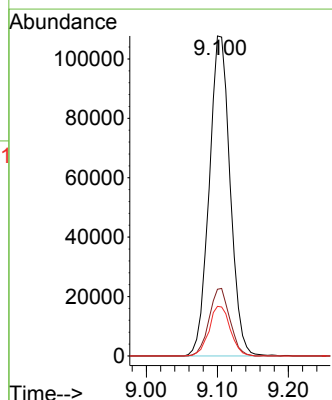
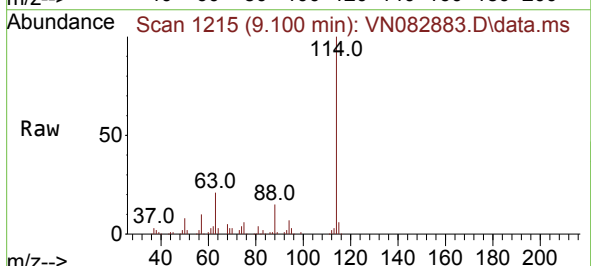
Tgt Ion: 114 Resp: 220464

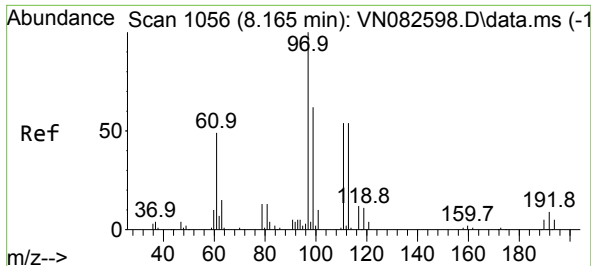
Ion Ratio Lower Upper

114 100

63 20.8 0.0 44.6

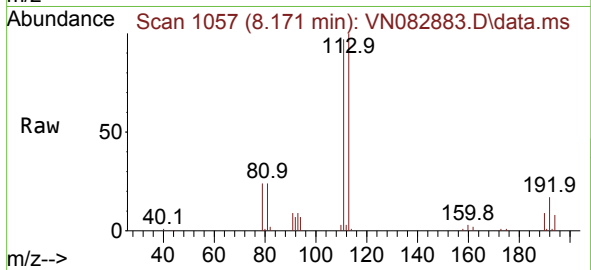
88 15.5 0.0 31.4



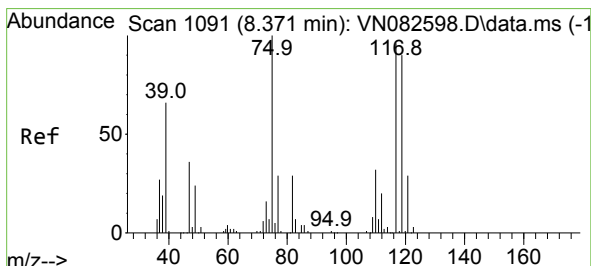
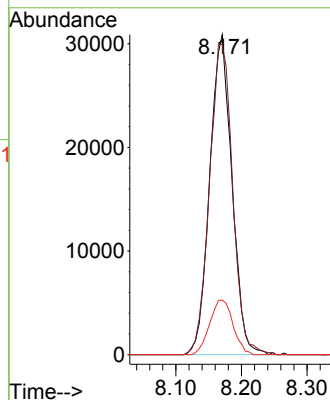
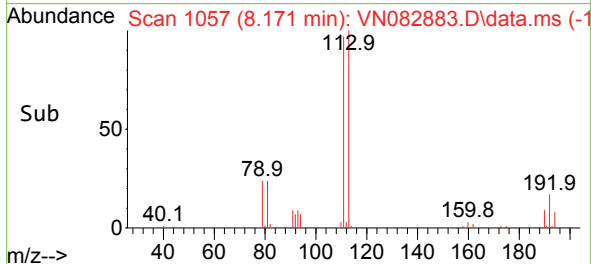


#35
Dibromofluoromethane
Concen: 51.272 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Instrument :
MSVOA_N
ClientSampleId :

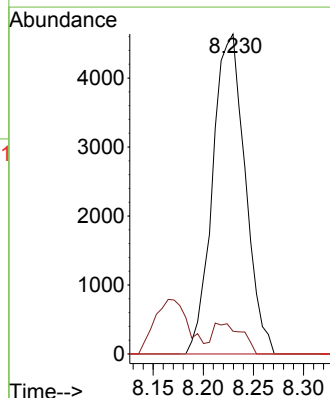
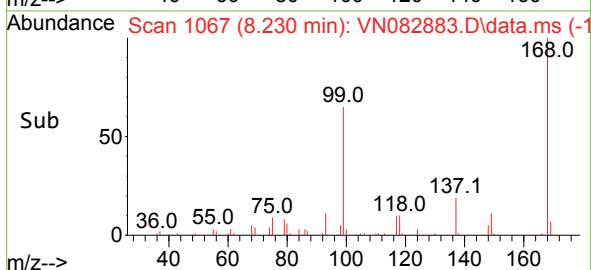
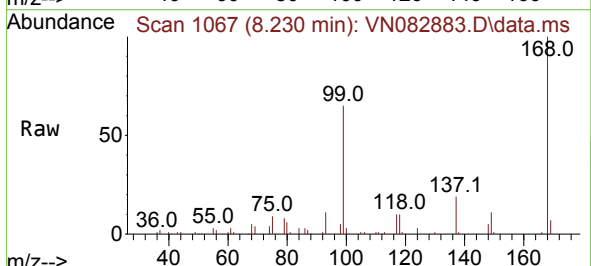


Tgt Ion:113 Resp: 72532
Ion Ratio Lower Upper
113 100
111 101.3 82.4 123.6
192 18.0 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Tgt Ion: 75 Resp: 10453
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.621 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.077 min

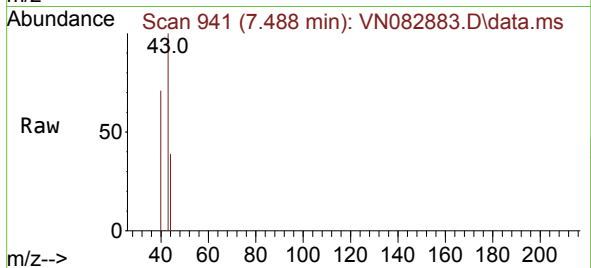
Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

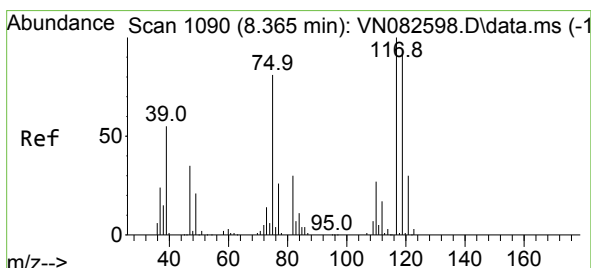
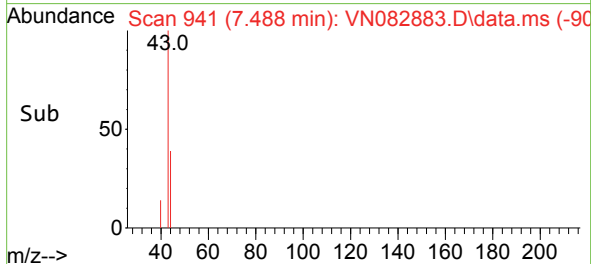
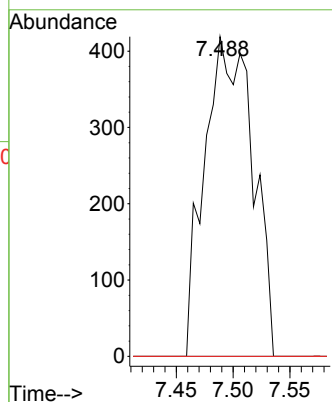
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1234
Ion Ratio	Lower Upper
43	100
61	0.0 9.3 13.9#
70	0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.599 ug/l

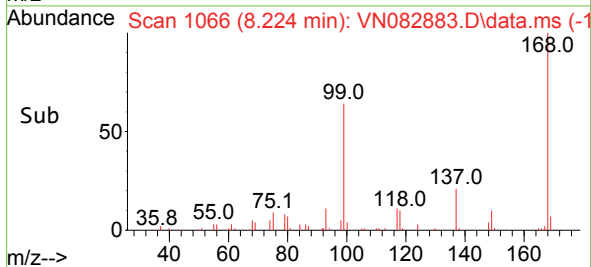
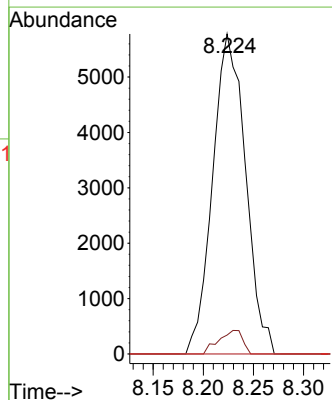
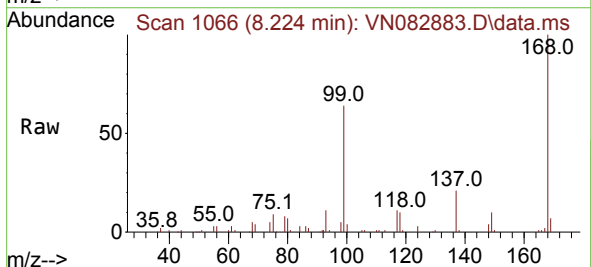
RT: 8.224 min Scan# 1066

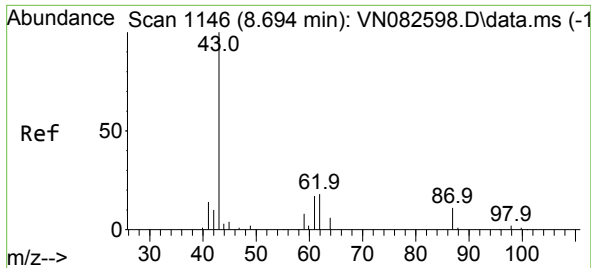
Delta R.T. -0.141 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

Tgt Ion: 117	Resp: 13148
Ion Ratio	Lower Upper
117	100
119	5.9 74.9 112.3#
121	0.0 24.3 36.5#

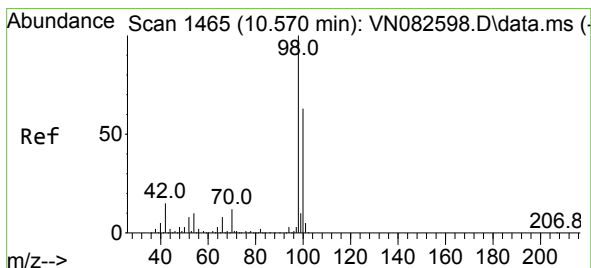
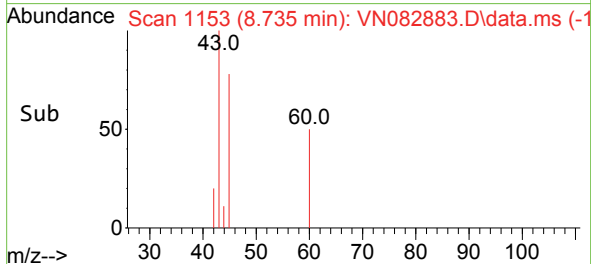
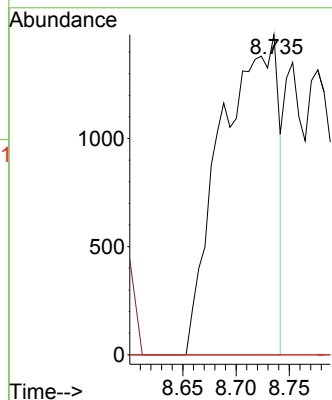
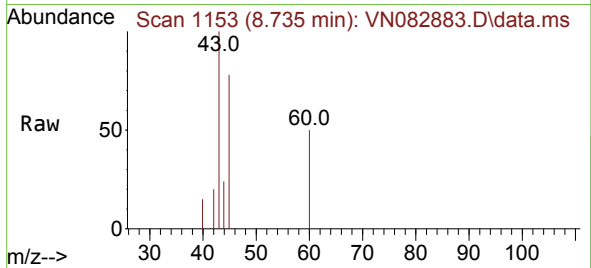




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.735 min Scan# 1146
Delta R.T. 0.041 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

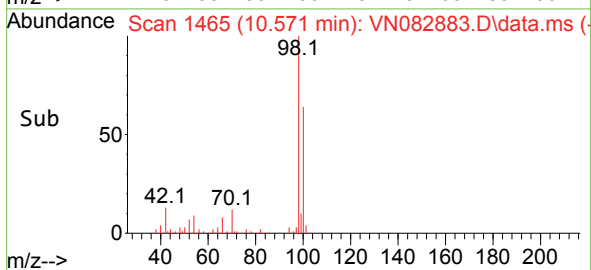
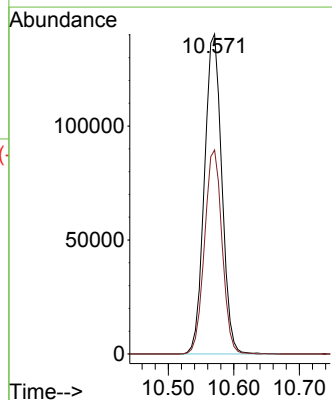
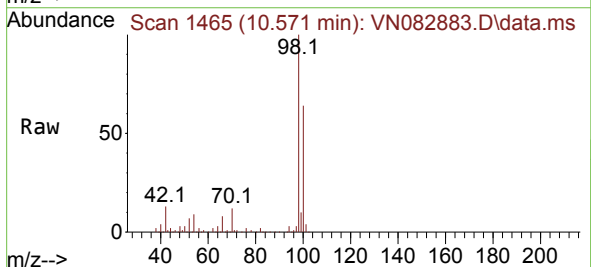
Instrument :
MSVOA_N
ClientSampleId :

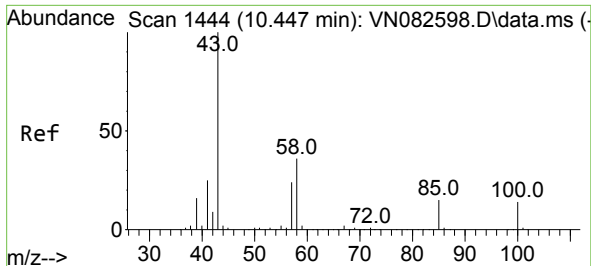
Tgt Ion: 43 Resp: 5478
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 49.594 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Tgt Ion: 98 Resp: 259131
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3

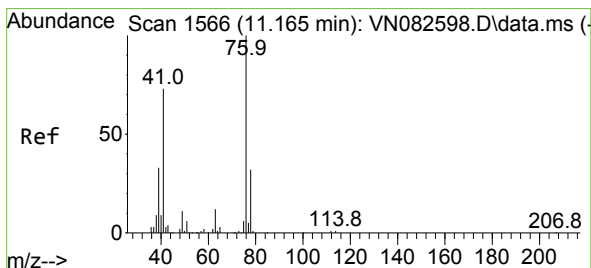
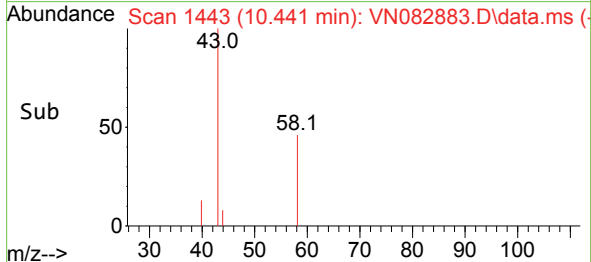
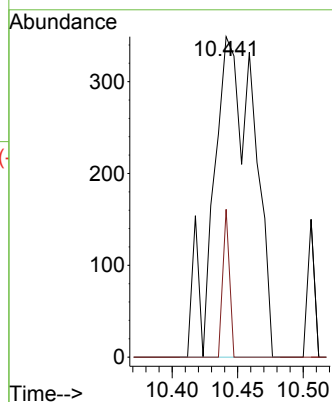
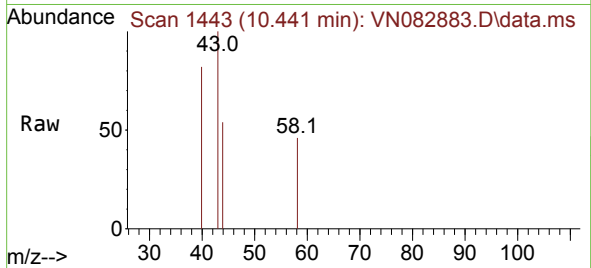




#51
4-Methyl-2-Pentanone
Concen: 0.385 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

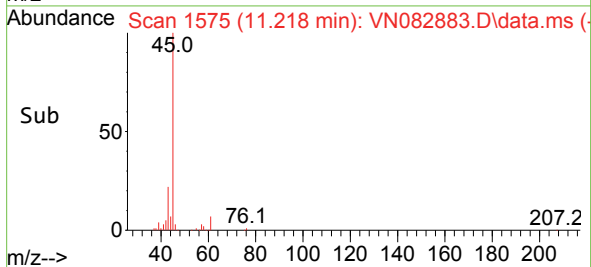
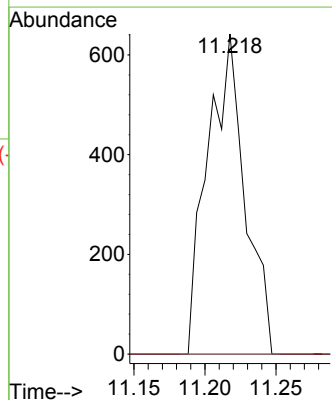
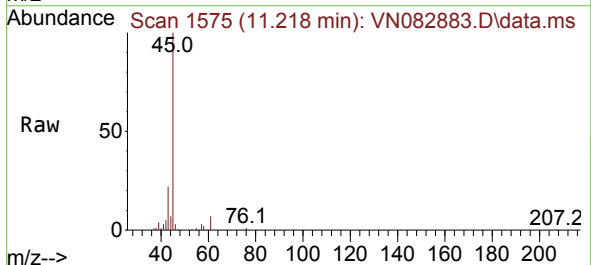
Instrument :
MSVOA_N
ClientSampleId :

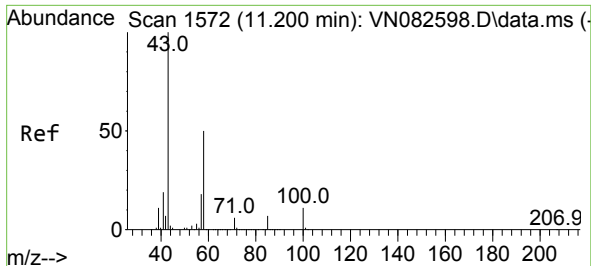
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#



#57
1,3-Dichloropropane
Concen: 0.482 ug/l
RT: 11.218 min Scan# 1575
Delta R.T. 0.053 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Tgt Ion: 76 Resp: 1175
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

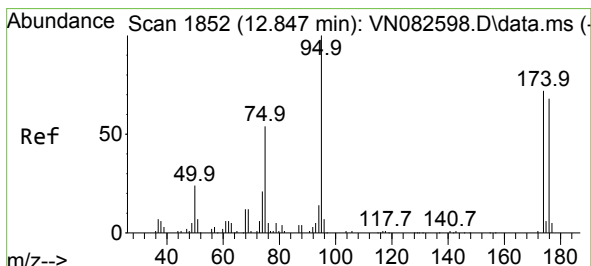
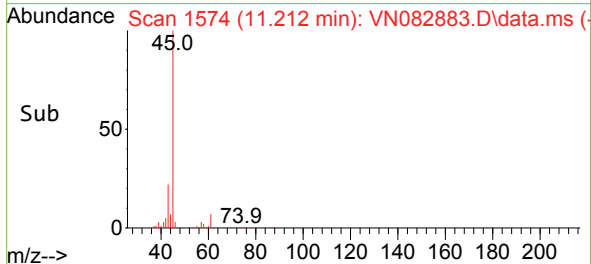
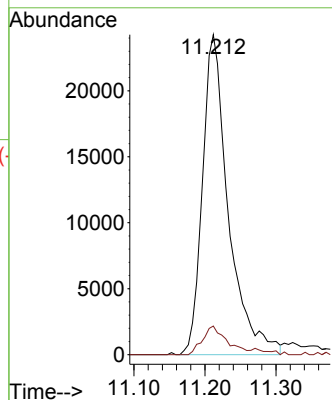
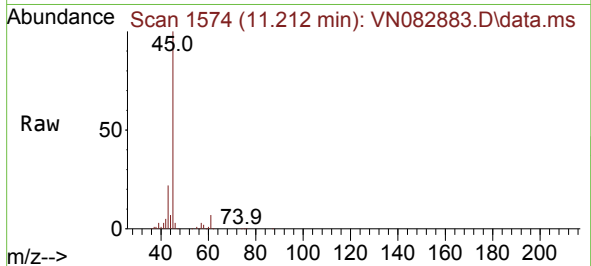




#59
2-Hexanone
Concen: 42.047 ug/l
RT: 11.212 min Scan# 1154
Delta R.T. 0.012 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

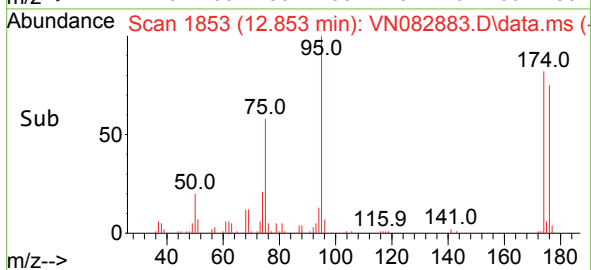
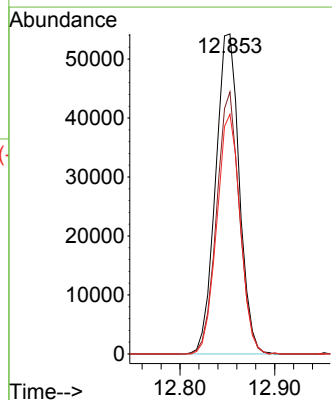
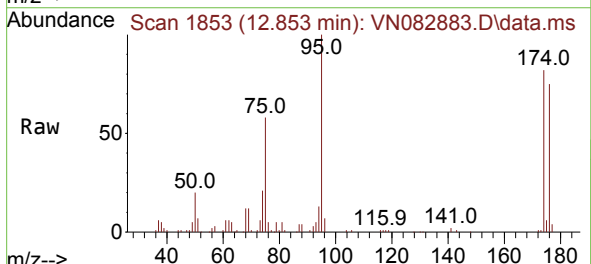
Instrument :
MSVOA_N
ClientSampleId :

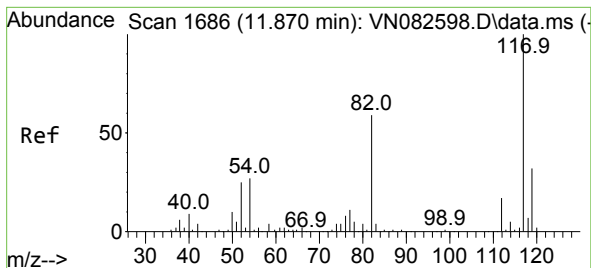
Tgt Ion: 43 Resp: 61542
Ion Ratio Lower Upper
43 100
58 8.3 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.316 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082883.D
Acq: 11 Jul 2024 17:57

Tgt Ion: 95 Resp: 94436
Ion Ratio Lower Upper
95 100
174 78.7 0.0 159.2
176 74.0 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

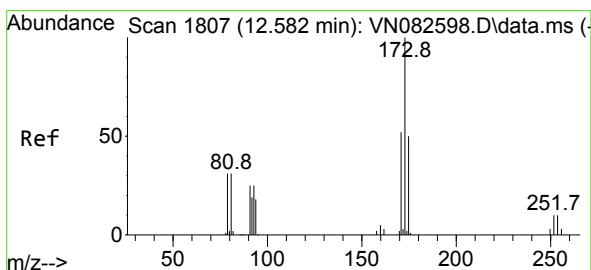
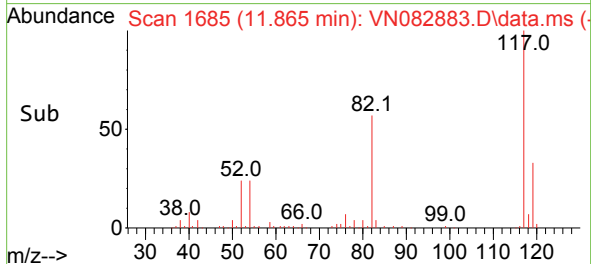
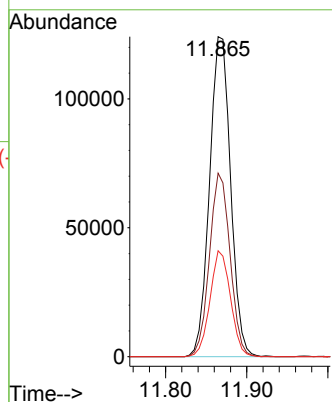
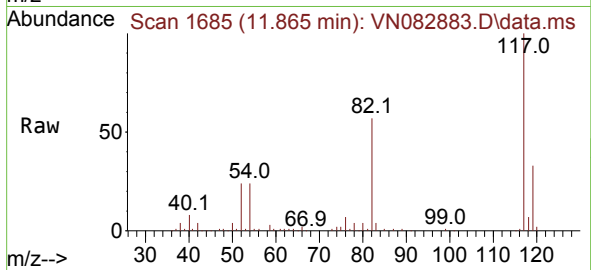
Tgt Ion:117 Resp: 223403

Ion Ratio Lower Upper

117 100

82 57.3 47.5 71.3

119 33.1 25.6 38.4



#71

Bromoform

Concen: 0.496 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN082883.D

Acq: 11 Jul 2024 17:57

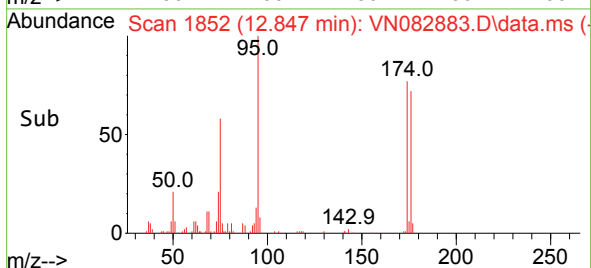
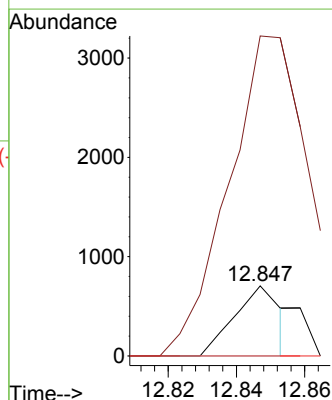
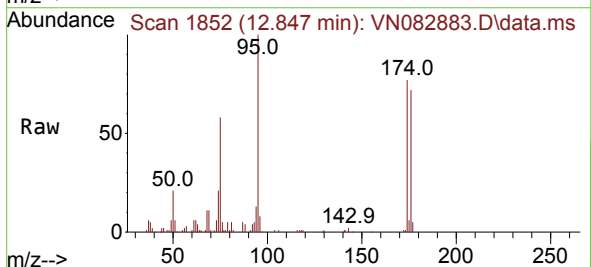
Tgt Ion:173 Resp: 664

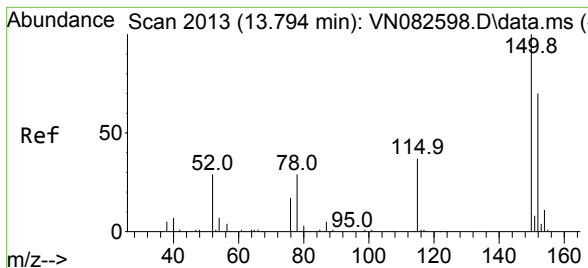
Ion Ratio Lower Upper

173 100

175 697.7 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: VN082883.D

Acq: 11 Jul 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

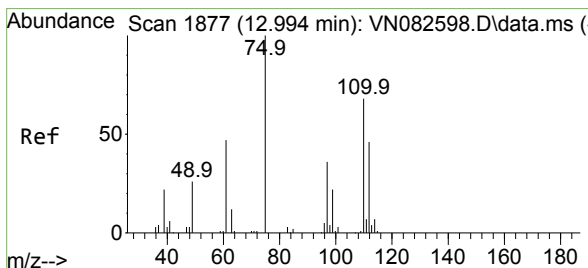
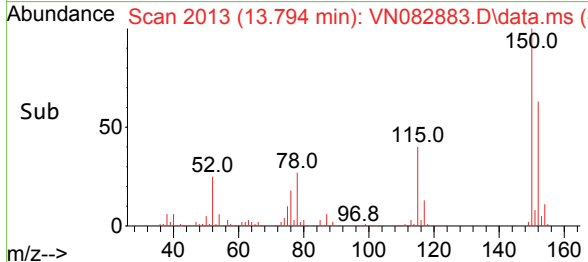
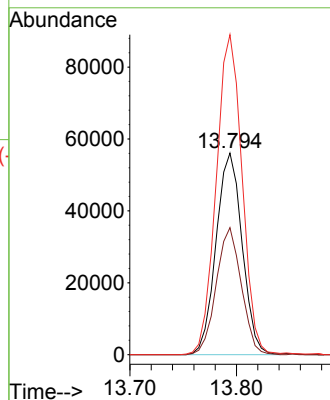
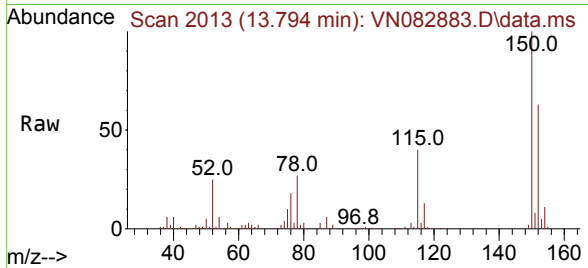
Tgt Ion:152 Resp: 95298

Ion Ratio Lower Upper

152 100

115 60.5 30.6 91.6

150 157.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 32.875 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082883.D

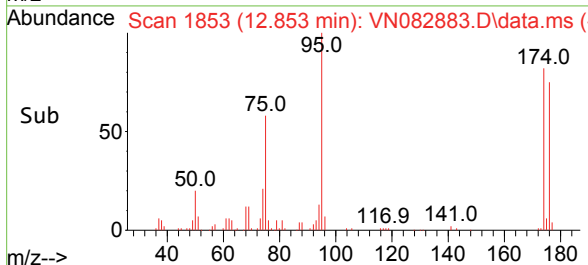
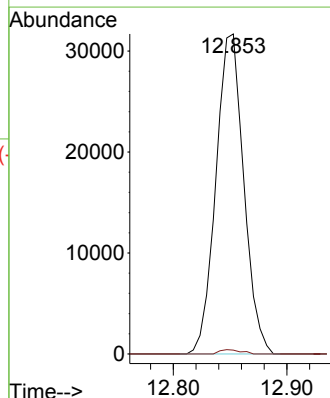
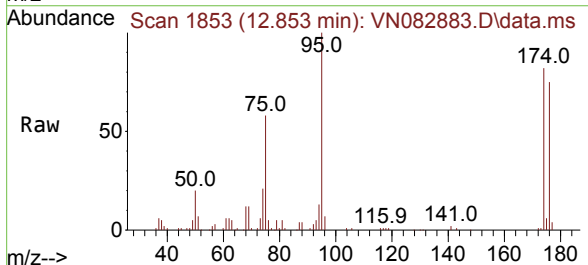
Acq: 11 Jul 2024 17:57

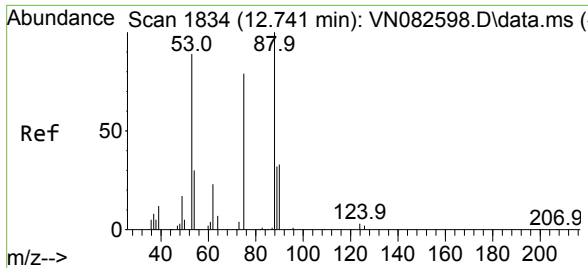
Tgt Ion: 75 Resp: 54013

Ion Ratio Lower Upper

75 100

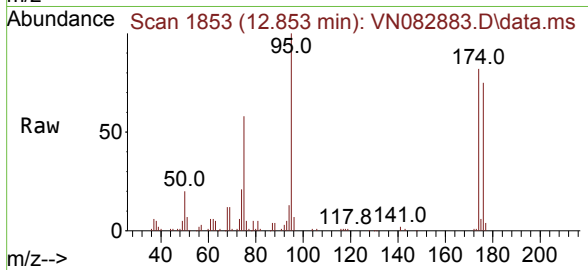
77 1.0 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.655 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082883.D
 Acq: 11 Jul 2024 17:57

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 54013
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 36.3 54.5#

