

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071224\
 Data File : VN082895.D
 Acq On : 12 Jul 2024 13:27
 Operator : JC\MD
 Sample : P3222-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 15 01:10:49 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.	QIon	Response	Conc	Units	Dev(Min)

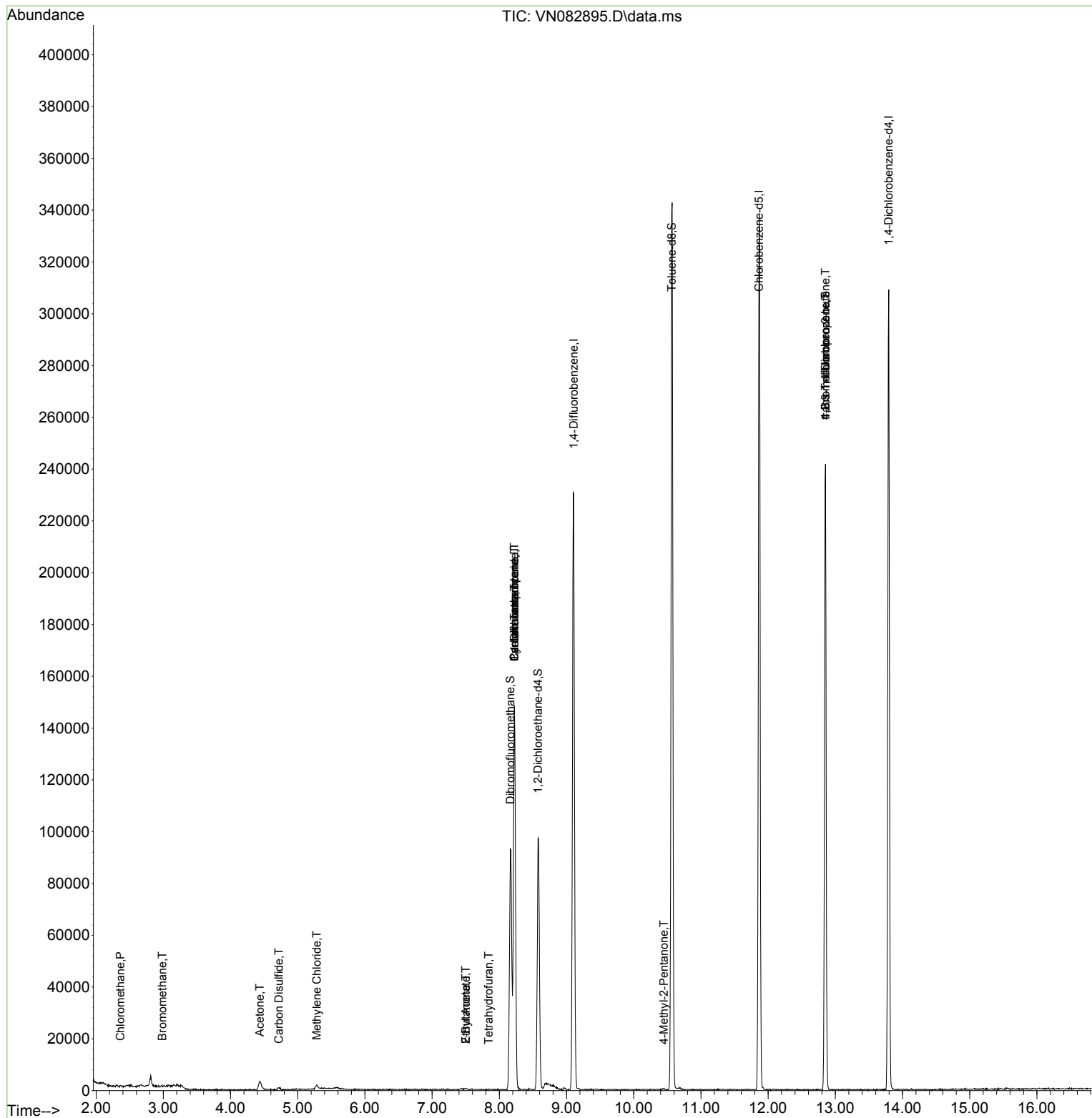
Internal Standards						
1) Pentafluorobenzene	8.224	168	101777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	194854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	193277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	81469	57.103	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.200%
35) Dibromofluoromethane	8.165	113	65584	52.453	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.900%
50) Toluene-d8	10.565	98	236380	51.186	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.380%
62) 4-Bromofluorobenzene	12.853	95	78864	47.541	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	95.080%
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	374	0.299	ug/l #	43
5) Bromomethane	2.983	94	234	0.247	ug/l	99
16) Acetone	4.436	43	6905	13.747	ug/l	90
17) Carbon Disulfide	4.718	76	1050	0.338	ug/l #	75
20) Methylene Chloride	5.283	84	1111	0.916	ug/l #	74
25) 2-Butanone	7.500	43	805	1.061	ug/l #	53
29) Tetrahydrofuran	7.841	42	119	0.249	ug/l #	38
31) Cyclohexane	8.224	56	2561	1.373	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	8815	5.113	ug/l #	49
37) Ethyl Acetate	7.500	43	805	0.459	ug/l #	72
38) Carbon Tetrachloride	8.224	117	11394	5.489	ug/l #	18
43) Isopropyl Acetate	8.683	43	1307	Below Cal	#	60
51) 4-Methyl-2-Pentanone	10.447	43	450	0.259	ug/l #	63
76) 1,2,3-Trichloropropane	12.853	75	45039	32.503	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45039	63.924	ug/l #	6

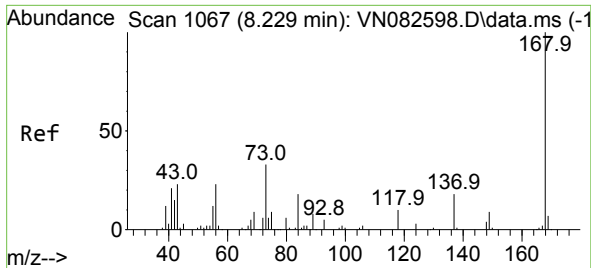
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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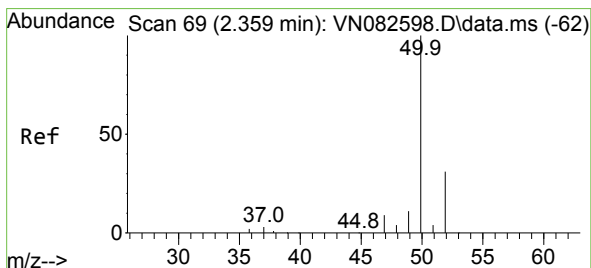
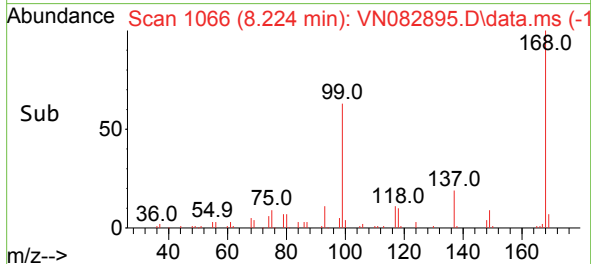
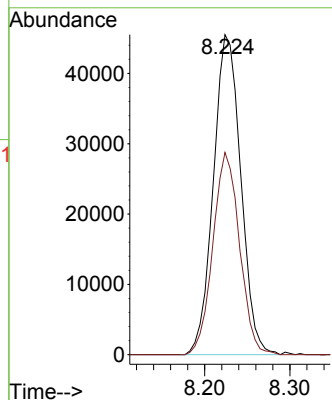
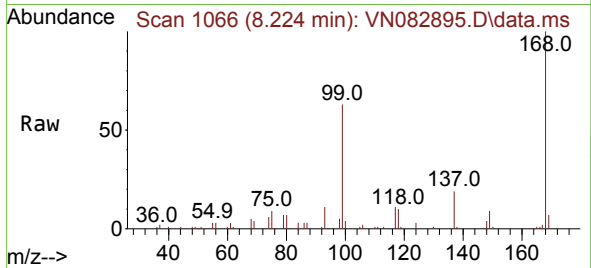




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

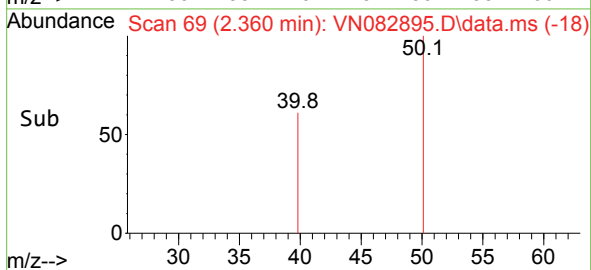
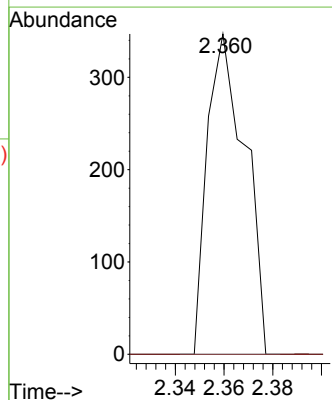
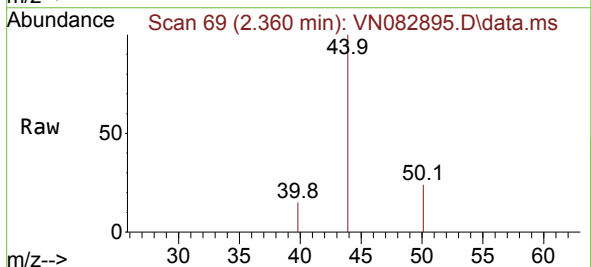
Instrument :
MSVOA_N
ClientSampleId :

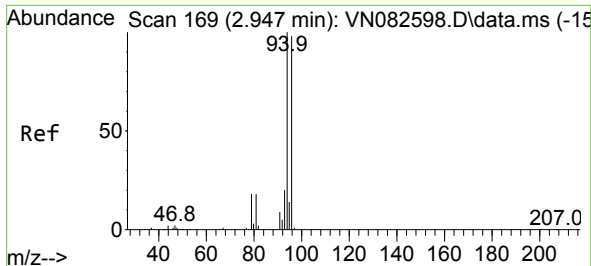
Tgt Ion:168 Resp: 101777
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4



#3
Chloromethane
Concen: 0.299 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Tgt Ion: 50 Resp: 374
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

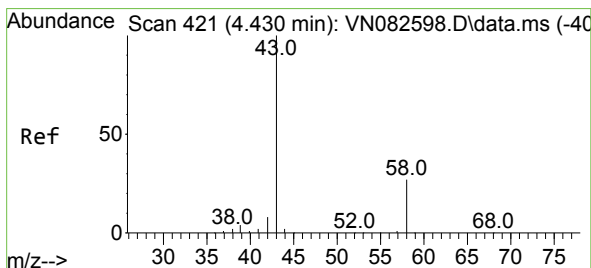
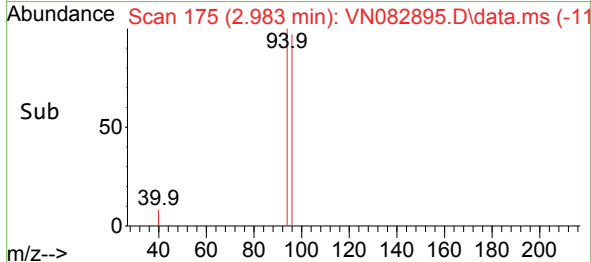
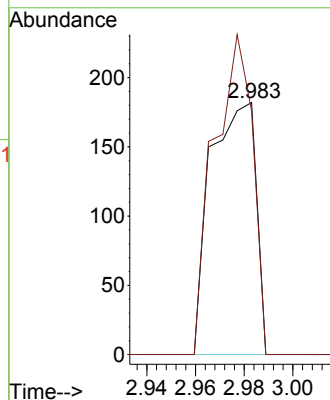
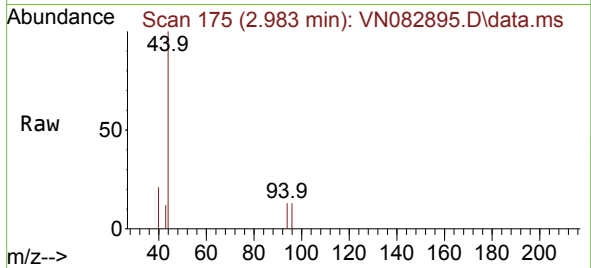




#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

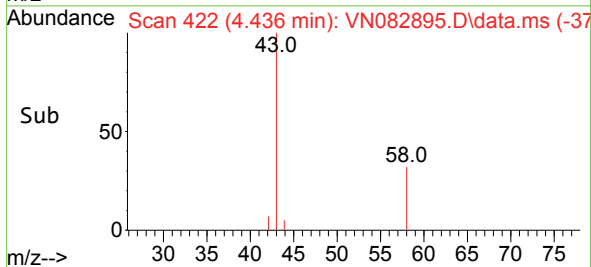
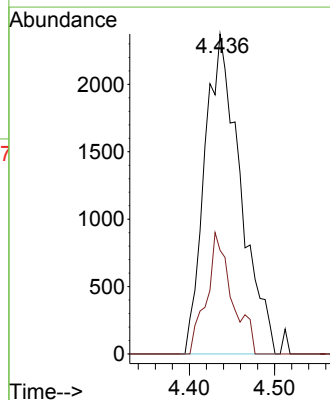
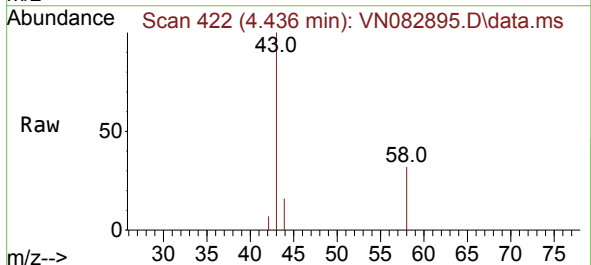
Instrument :
MSVOA_N
ClientSampleId :

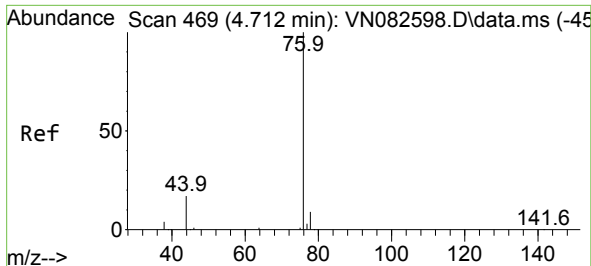
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 96.7 78.0 117.0



#16
Acetone
Concen: 13.747 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Tgt Ion: 43 Resp: 6905
Ion Ratio Lower Upper
43 100
58 32.4 21.8 32.6





#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 4.718 min Scan# 41

Delta R.T. 0.006 min

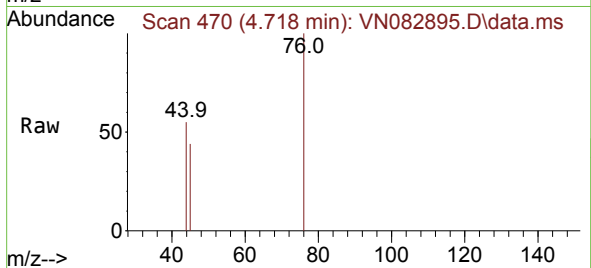
Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :

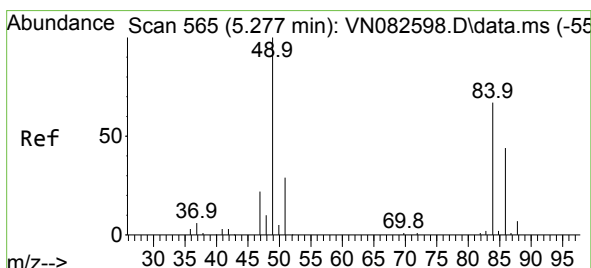
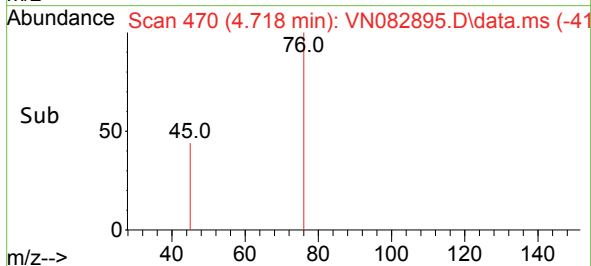
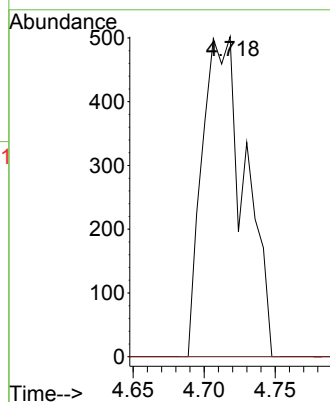


Tgt Ion: 76 Resp: 1050

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.916 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

Tgt Ion: 84 Resp: 1111

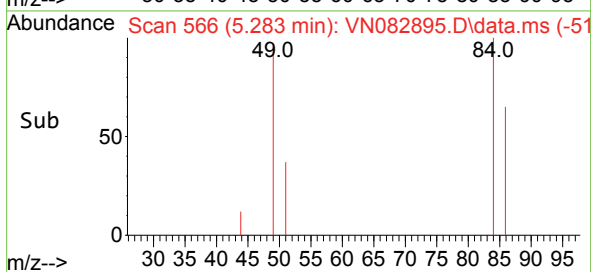
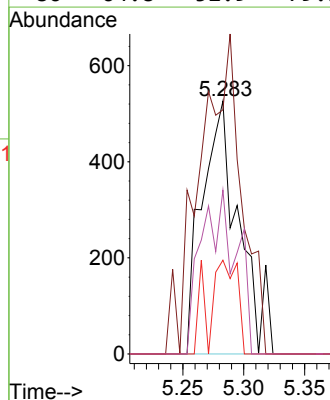
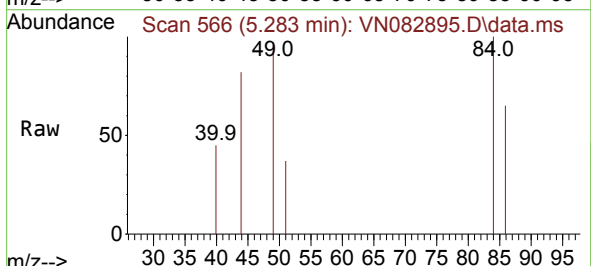
Ion Ratio Lower Upper

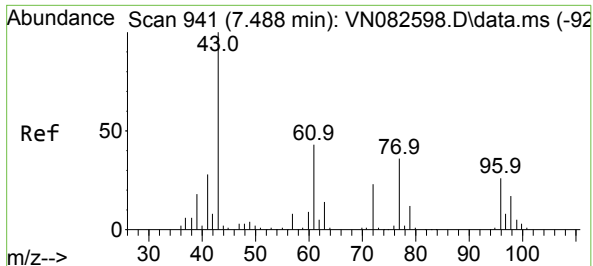
84 100

49 96.6 119.6 179.4#

51 37.1 34.8 52.2

86 64.8 52.9 79.3





#25

2-Butanone

Concen: 1.061 ug/l

RT: 7.500 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

Instrument :

MSVOA_N

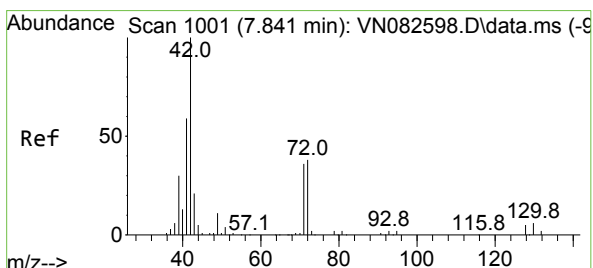
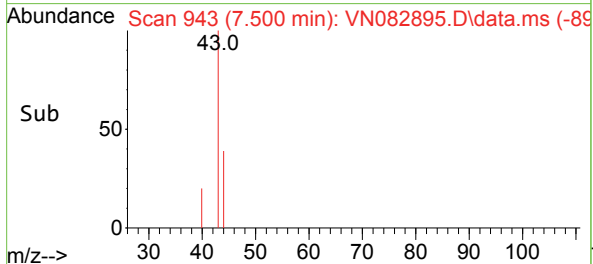
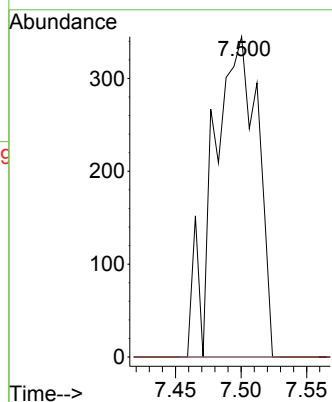
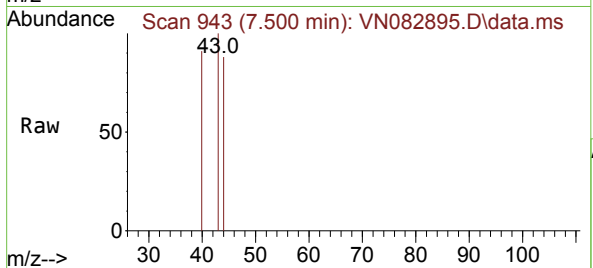
ClientSampleId :

Tgt Ion: 43 Resp: 805

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.2#



#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.000 min

Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

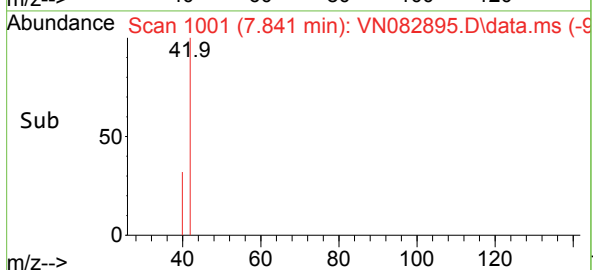
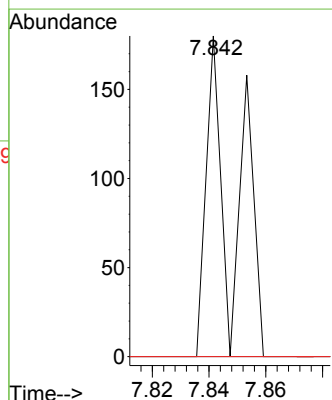
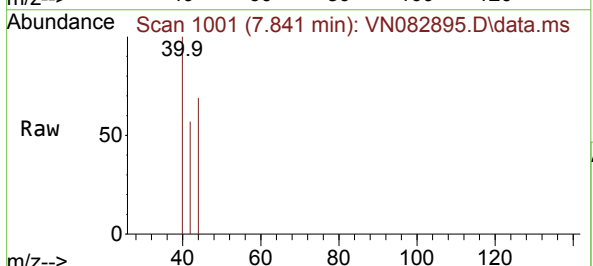
Tgt Ion: 42 Resp: 119

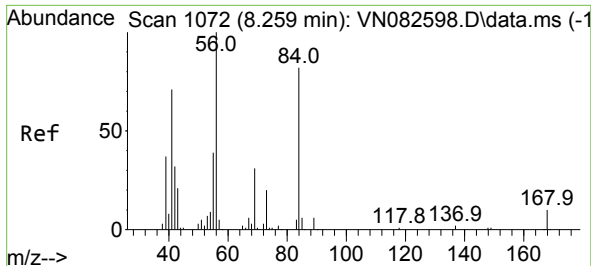
Ion Ratio Lower Upper

42 100

72 0.0 30.0 45.0#

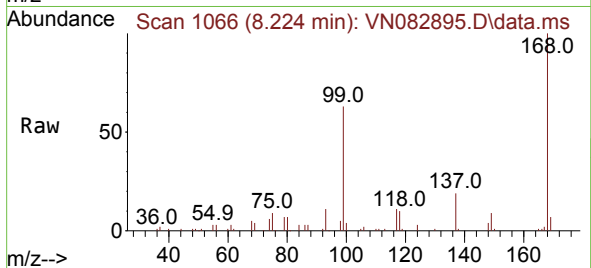
71 0.0 28.3 42.5#



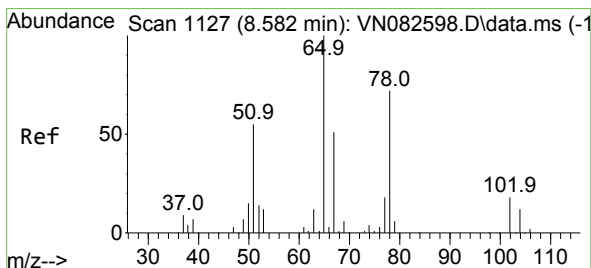
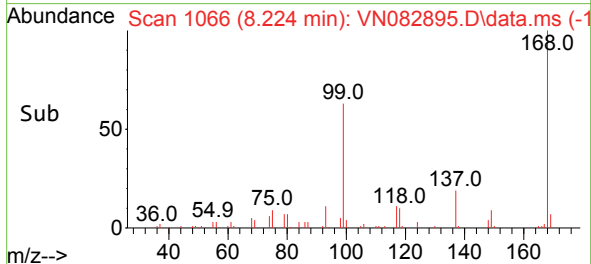
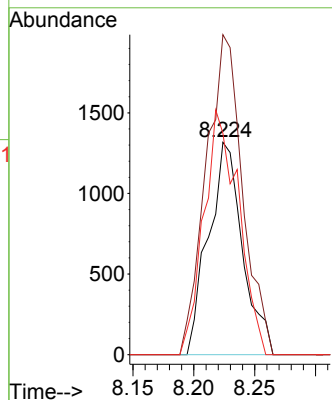


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

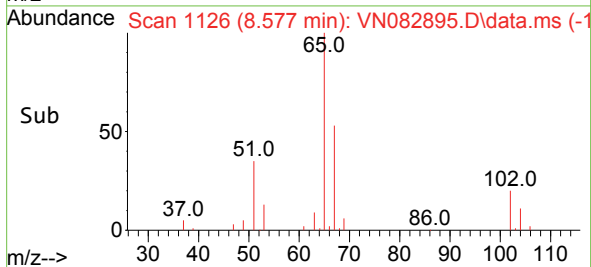
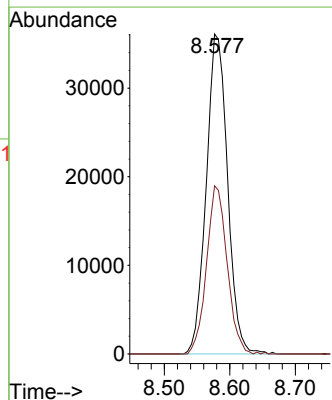
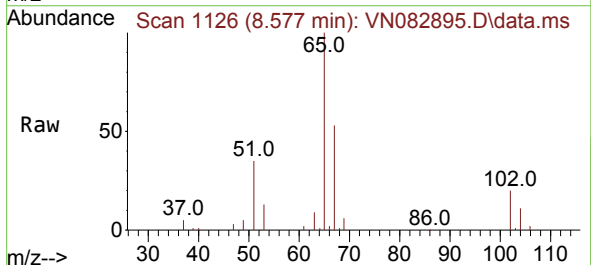


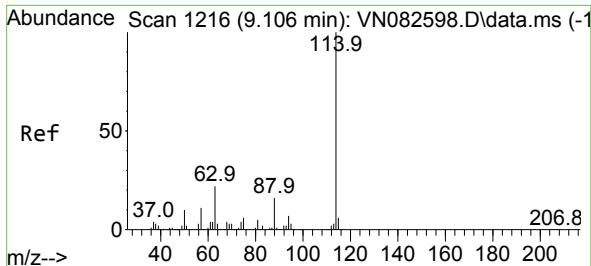
Tgt Ion: 56 Resp: 2561
Ion Ratio Lower Upper
56 100
69 150.7 24.5 36.7#
84 104.3 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 57.103 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

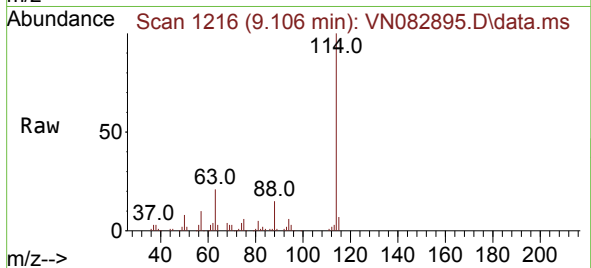
Tgt Ion: 65 Resp: 81469
Ion Ratio Lower Upper
65 100
67 50.8 0.0 104.4



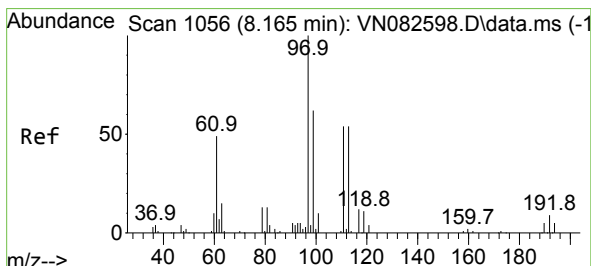
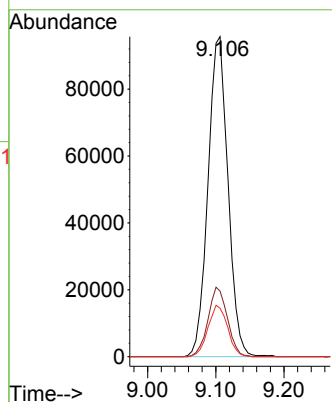
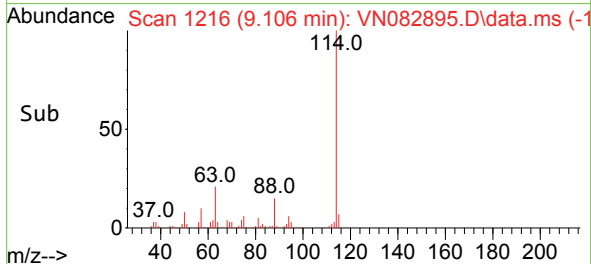


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

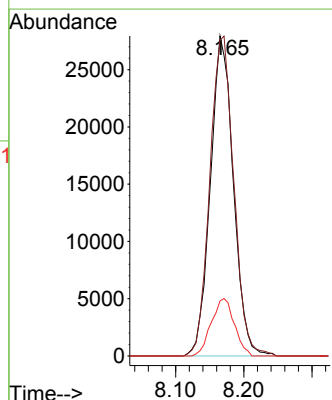
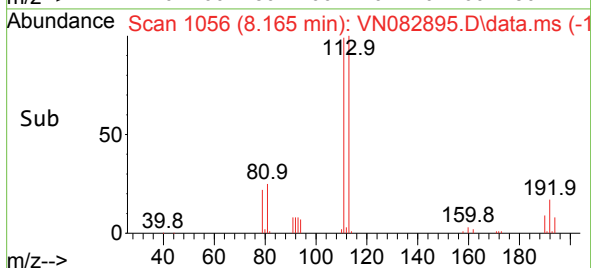
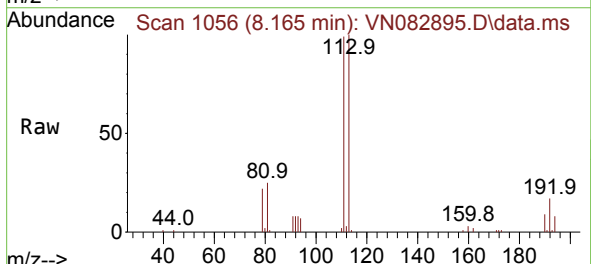


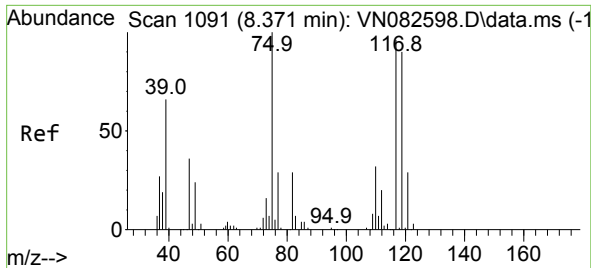
Tgt Ion:114 Resp: 194854
Ion Ratio Lower Upper
114 100
63 20.5 0.0 44.6
88 15.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.453 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

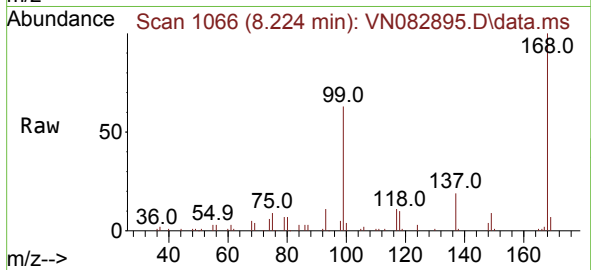
Tgt Ion:113 Resp: 65584
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 18.0 14.9 22.3



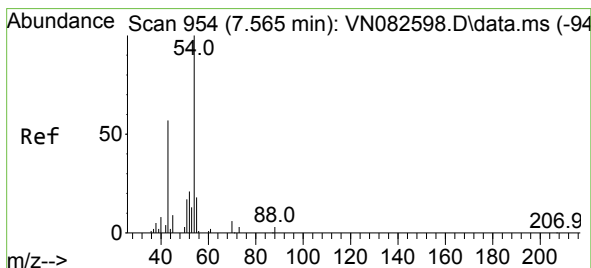
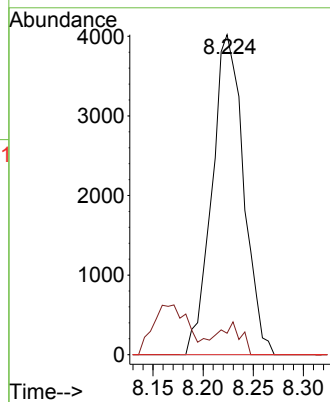
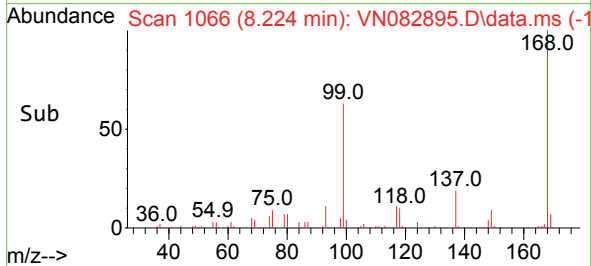


#36
1,1-Dichloropropene
Concen: 5.113 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Instrument :
MSVOA_N
ClientSampleId :

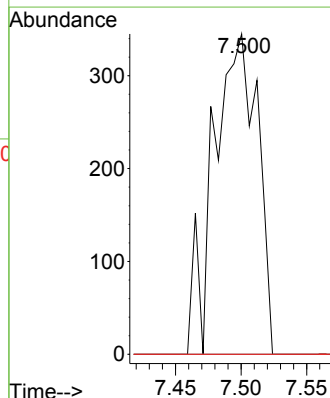
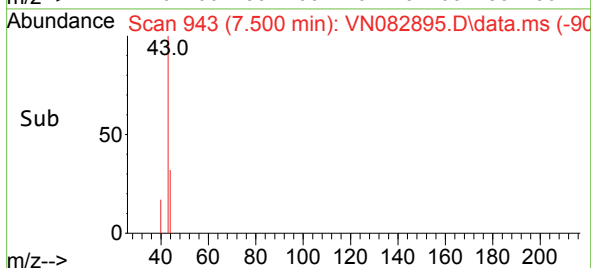
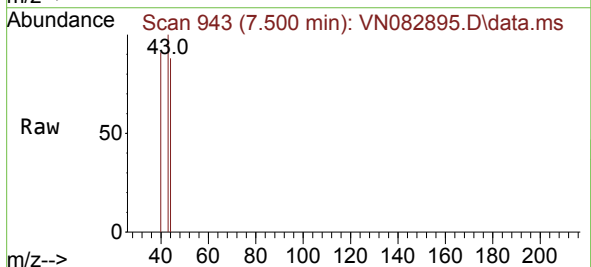


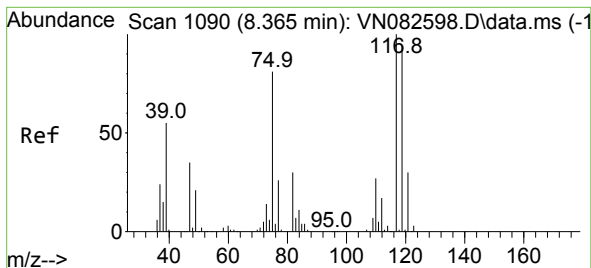
Tgt Ion: 75 Resp: 8815
Ion Ratio Lower Upper
75 100
110 6.9 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.459 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.065 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Tgt Ion: 43 Resp: 805
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 5.489 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.141 min

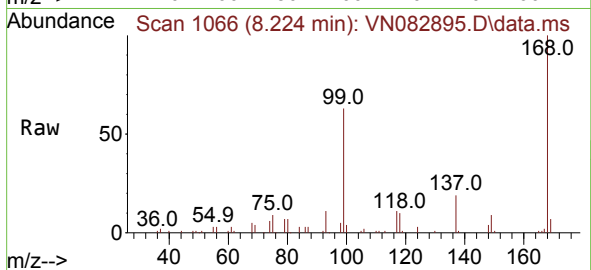
Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

Instrument :

MSVOA_N

ClientSampleId :



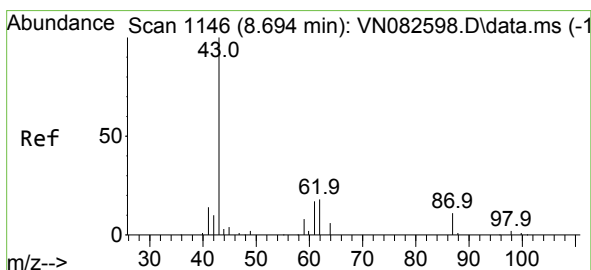
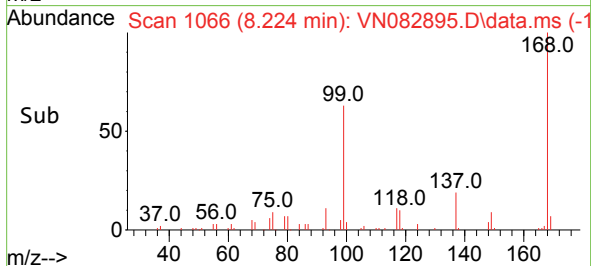
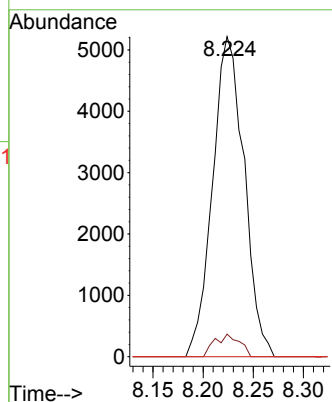
Tgt Ion:117 Resp: 11394

Ion Ratio Lower Upper

117 100

119 7.0 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.683 min Scan# 1144

Delta R.T. -0.011 min

Lab File: VN082895.D

Acq: 12 Jul 2024 13:27

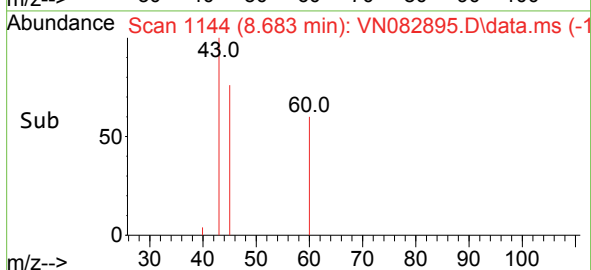
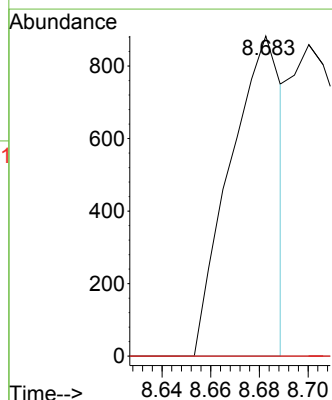
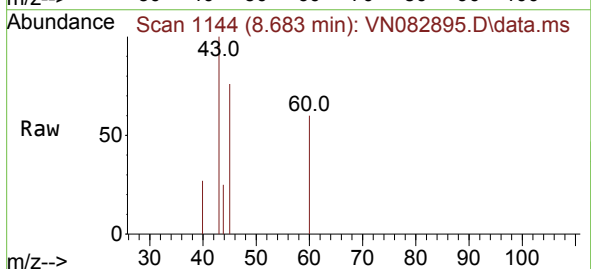
Tgt Ion: 43 Resp: 1307

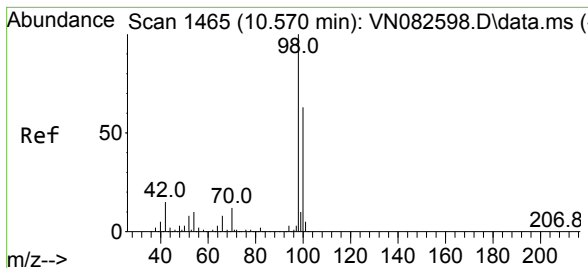
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

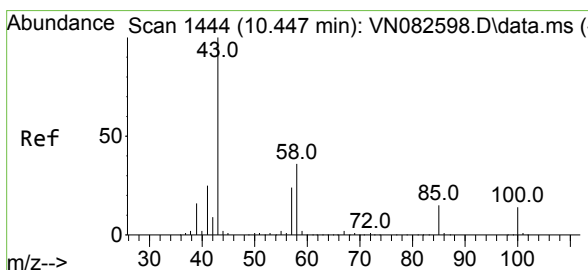
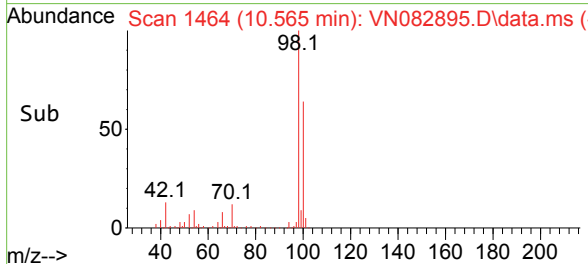
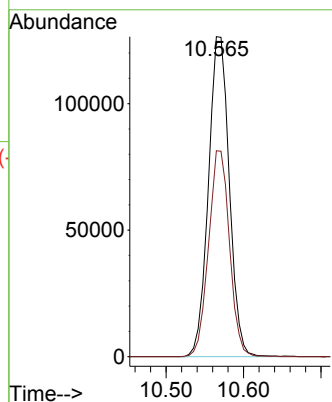
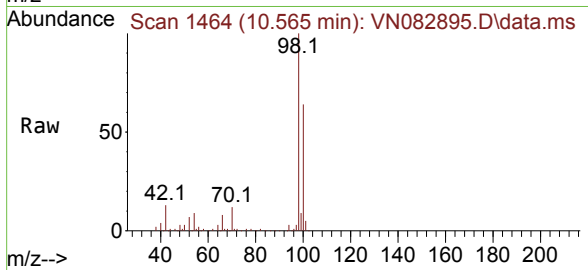




#50
Toluene-d8
Concen: 51.186 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.005 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

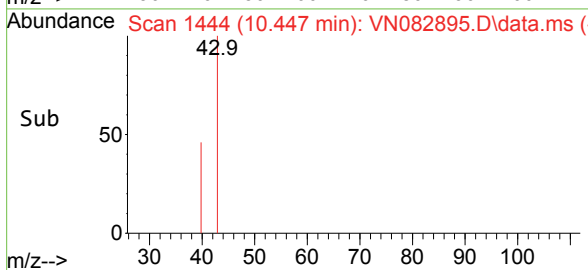
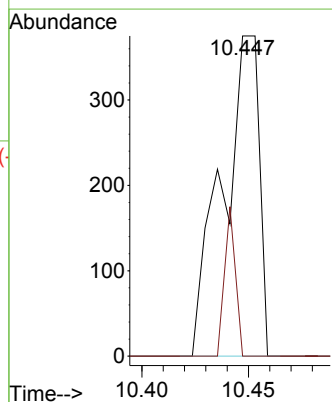
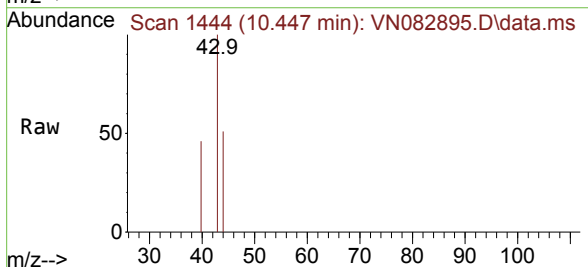
Instrument :
MSVOA_N
ClientSampleId :

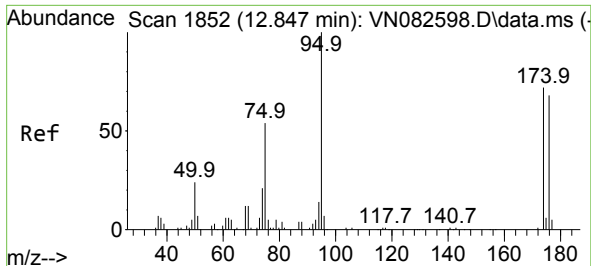
Tgt Ion: 98 Resp: 236380
Ion Ratio Lower Upper
98 100
100 64.5 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.259 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 13.8 28.2 42.4#

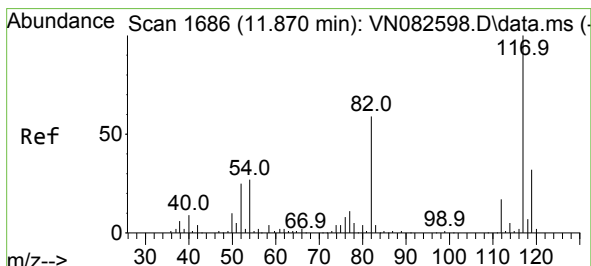
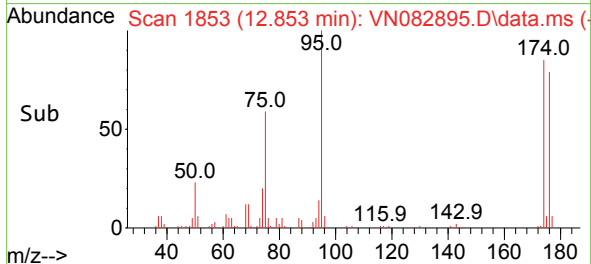
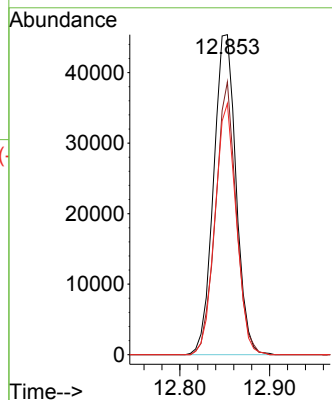
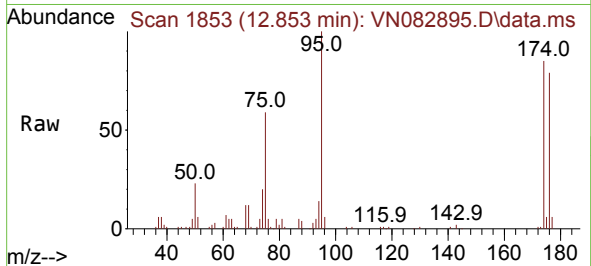




#62
4-Bromofluorobenzene
Concen: 47.541 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

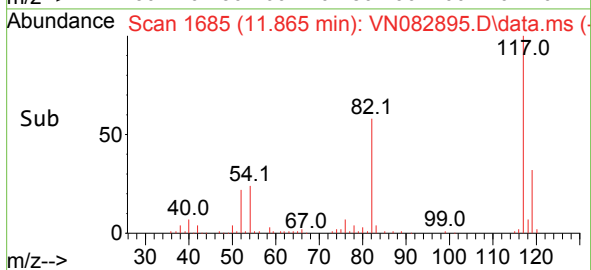
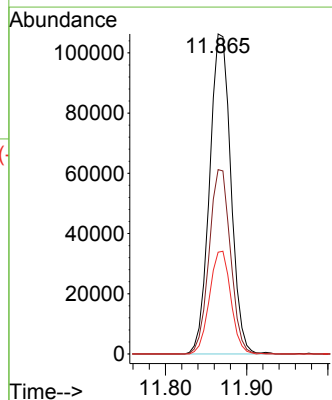
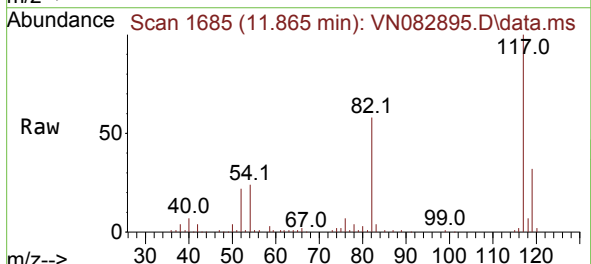
Instrument :
MSVOA_N
ClientSampleId :

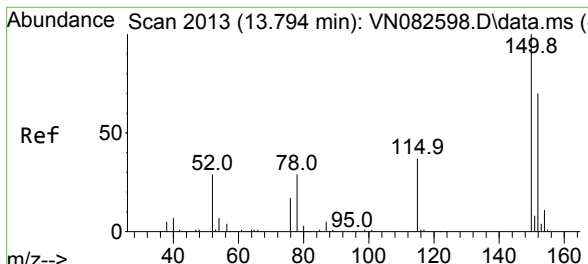
Tgt Ion: 95 Resp: 78864
Ion Ratio Lower Upper
95 100
174 78.2 0.0 159.2
176 74.6 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN082895.D
Acq: 12 Jul 2024 13:27

Tgt Ion: 117 Resp: 193277
Ion Ratio Lower Upper
117 100
82 57.6 47.5 71.3
119 31.8 25.6 38.4

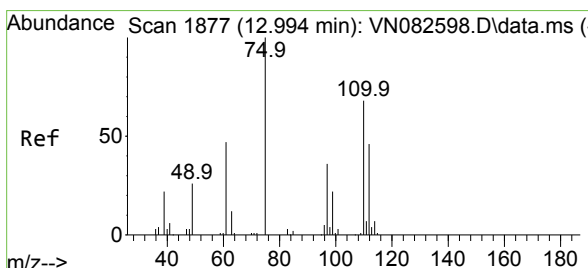
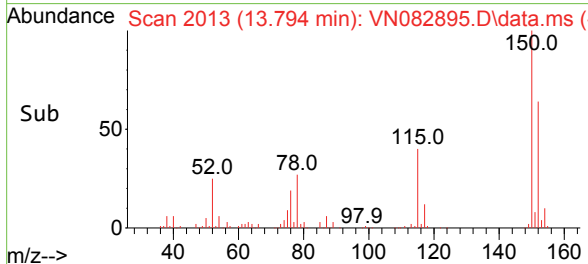
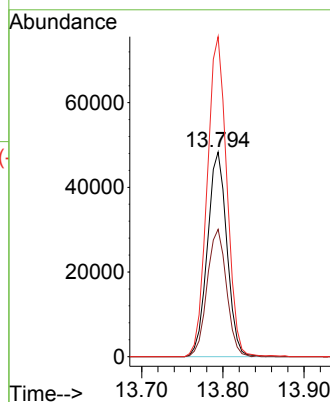
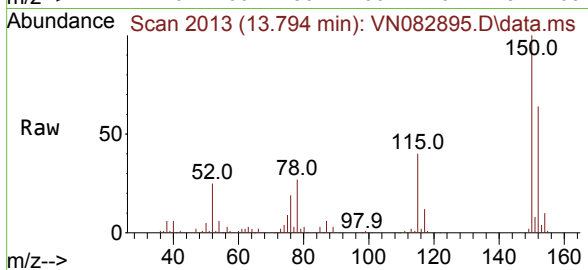




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082895.D
 Acq: 12 Jul 2024 13:27

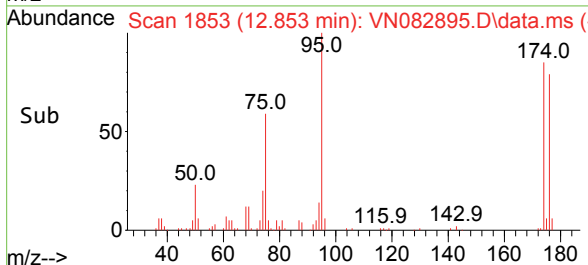
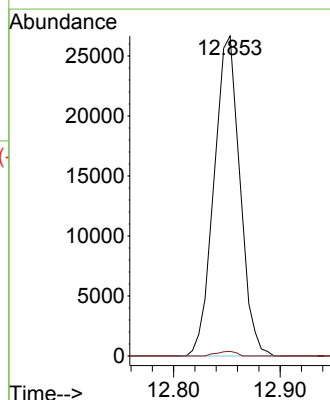
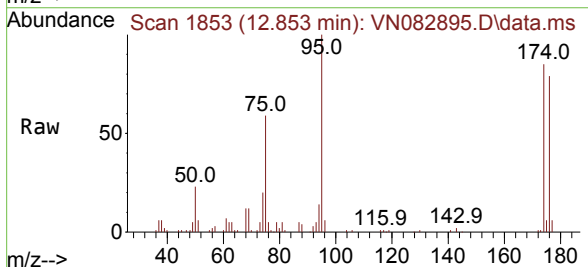
Instrument :
 MSVOA_N
 ClientSampleId :

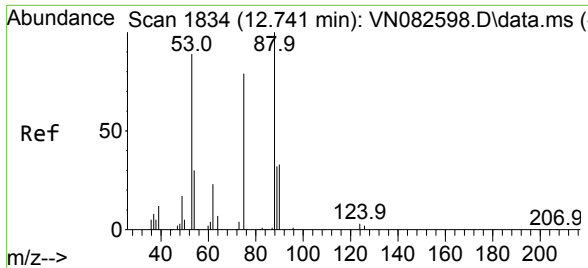
Tgt Ion:152 Resp: 80373
 Ion Ratio Lower Upper
 152 100
 115 62.1 30.6 91.6
 150 158.0 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.503 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN082895.D
 Acq: 12 Jul 2024 13:27

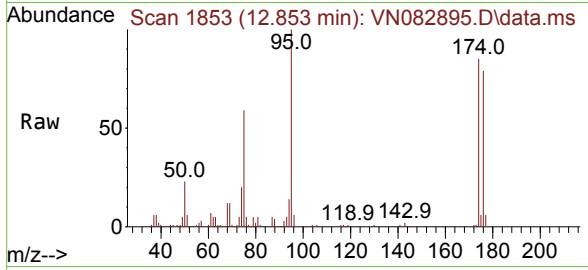
Tgt Ion: 75 Resp: 45039
 Ion Ratio Lower Upper
 75 100
 77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.924 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082895.D
 Acq: 12 Jul 2024 13:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	45039
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

