

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022224\
 Data File : VN081143.D
 Acq On : 22 Feb 2024 18:23
 Operator : JC\MD
 Sample : P1539-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 23 04:30:10 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

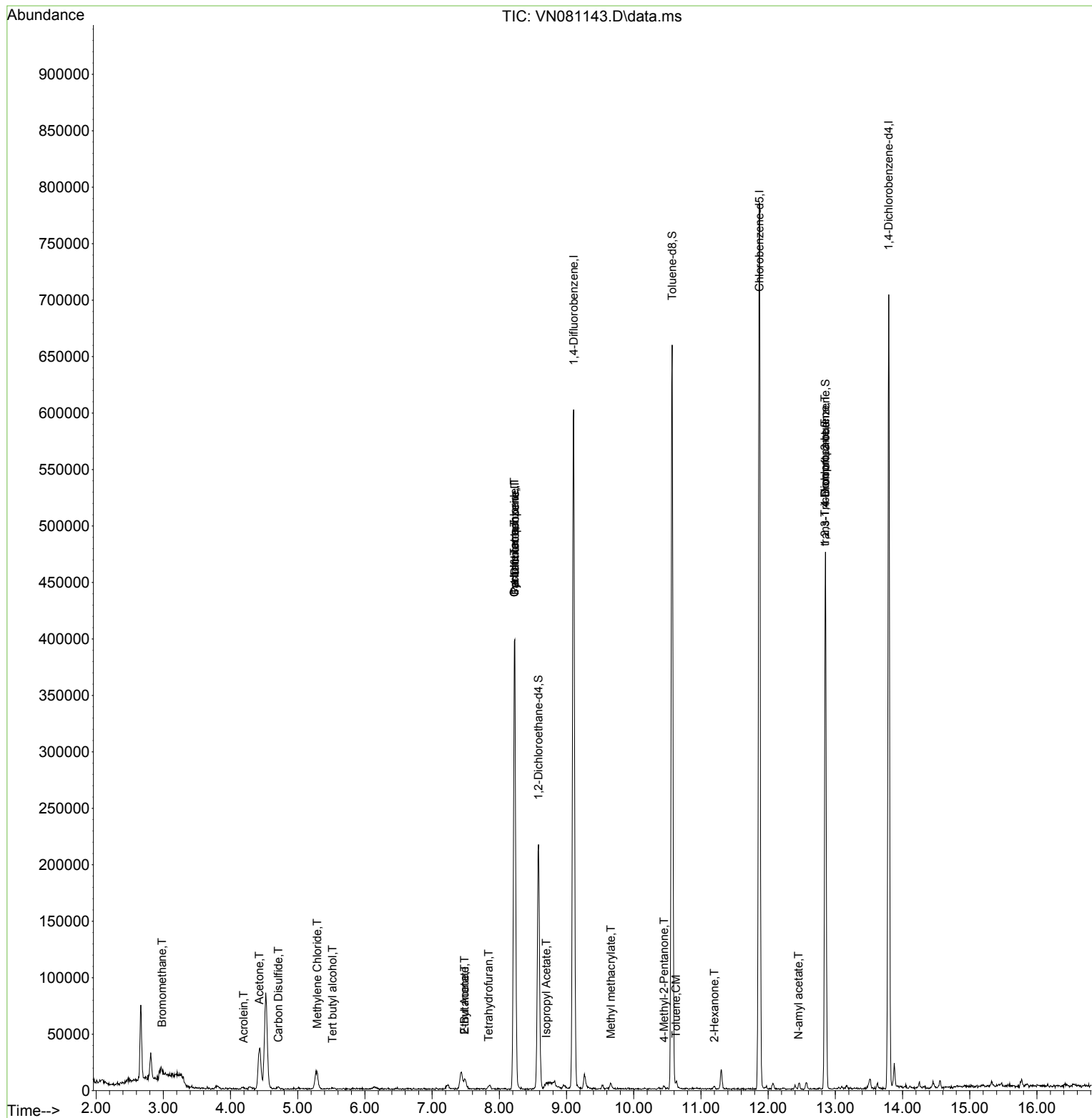
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	280231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	534218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	451818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	174402	50.774	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.540%
35) Dibromofluoromethane	8.212	113	93	0.031	ug/l	0.05
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.060%#
50) Toluene-d8	10.571	98	451791	42.109	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	84.220%#
62) 4-Bromofluorobenzene	12.853	95	162976	40.425	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	80.860%#
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1051	Below Cal	#	75
5) Bromomethane	2.983	94	938	0.328	ug/l #	80
6) Chloroethane	3.101	64	320	Below Cal	#	42
11) Tert butyl alcohol	5.518	59	437	0.692	ug/l #	72
13) Acrolein	4.195	56	1866	5.511	ug/l #	55
16) Acetone	4.430	43	72177	53.404	ug/l	93
17) Carbon Disulfide	4.712	76	3349	0.379	ug/l #	73
20) Methylene Chloride	5.289	84	12547	2.709	ug/l #	72
25) 2-Butanone	7.483	43	15126	6.928	ug/l	93
29) Tetrahydrofuran	7.841	42	1385	0.950	ug/l #	61
31) Cyclohexane	8.224	56	7704	1.299	ug/l #	13
36) 1,1-Dichloropropene	8.230	75	24772	4.787	ug/l #	52
37) Ethyl Acetate	7.483	43	15126	3.238	ug/l #	70
38) Carbon Tetrachloride	8.224	117	31804	6.074	ug/l #	18
43) Isopropyl Acetate	8.700	43	5547	0.679	ug/l #	57
48) Methyl methacrylate	9.659	41	1296	0.341	ug/l #	45
51) 4-Methyl-2-Pentanone	10.453	43	1806	0.384	ug/l #	72
52) Toluene	10.630	92	2368	0.250	ug/l	76
59) 2-Hexanone	11.200	43	1968	0.528	ug/l	75
74) N-amyl acetate	12.453	43	3591	0.539	ug/l #	49
76) 1,2,3-Trichloropropane	12.847	75	89478	21.871	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	89478	56.294	ug/l #	14

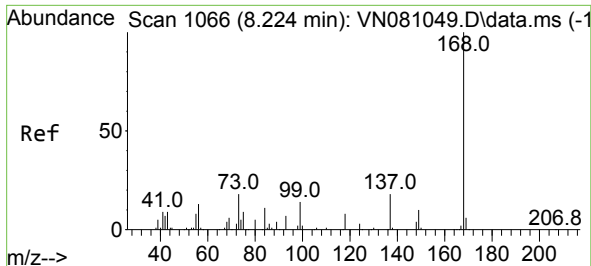
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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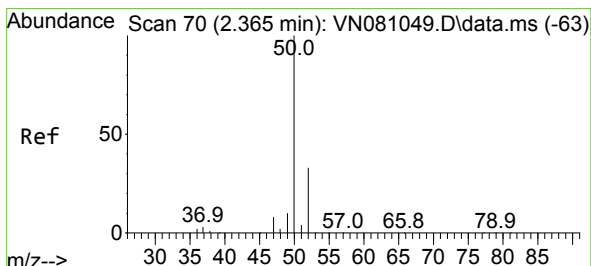
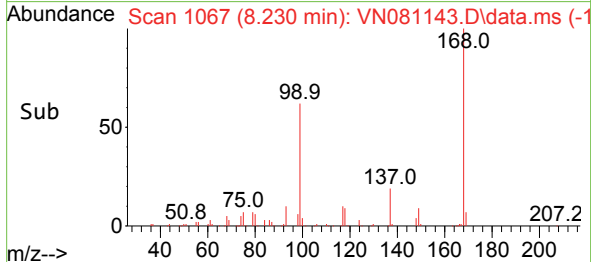
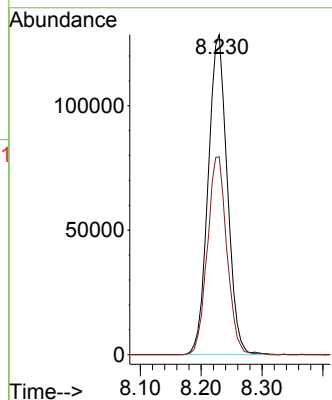
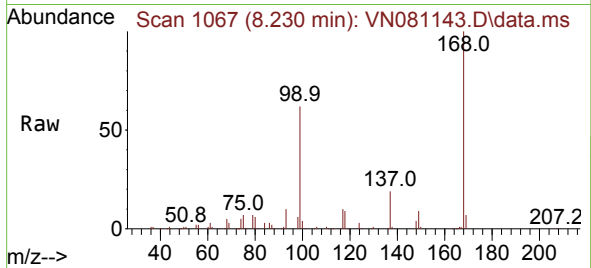




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

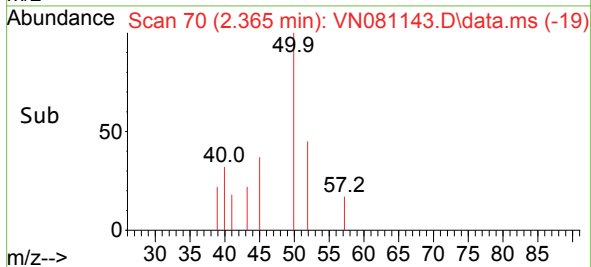
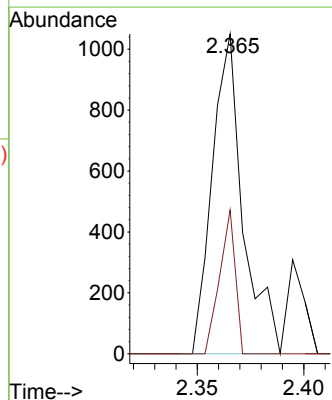
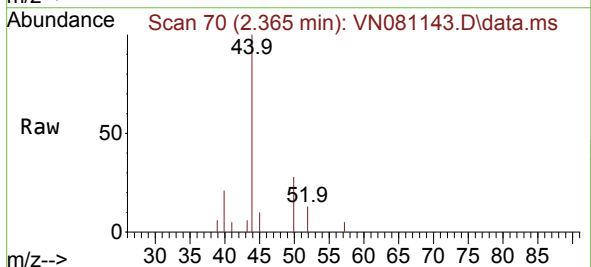
Instrument :
MSVOA_N
ClientSampleId :

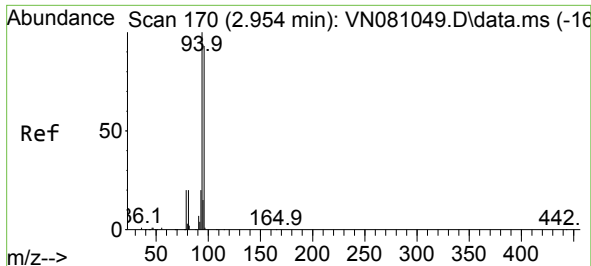
Tgt Ion:168 Resp: 280231
Ion Ratio Lower Upper
168 100
99 61.8 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 50 Resp: 1051
Ion Ratio Lower Upper
50 100
52 45.0 25.0 37.4#

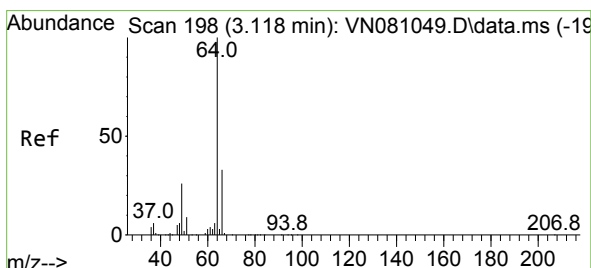
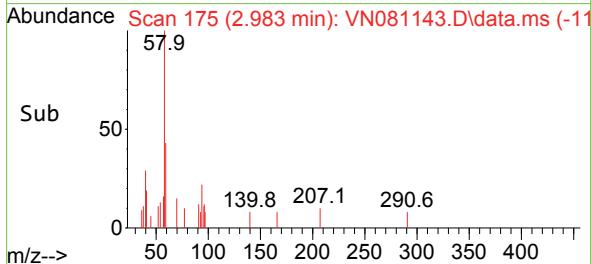
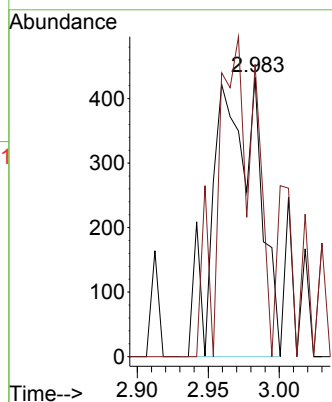
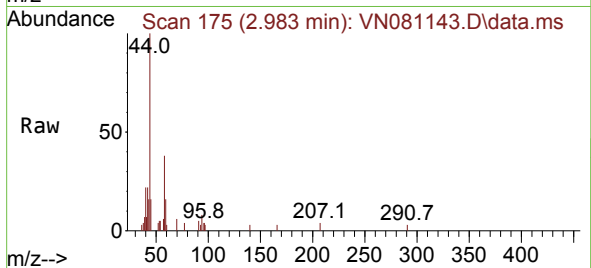




#5
Bromomethane
Concen: 0.328 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

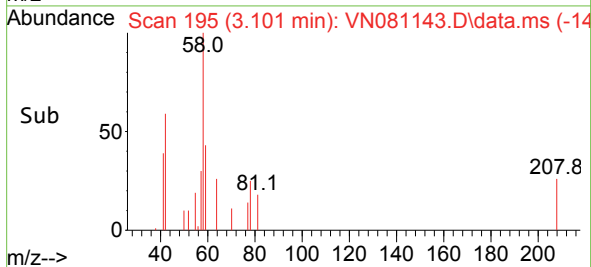
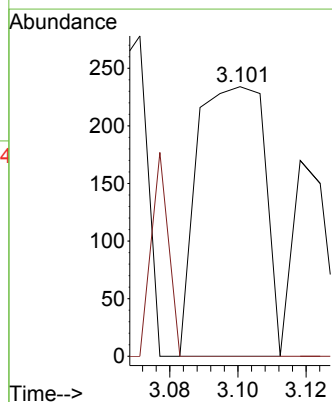
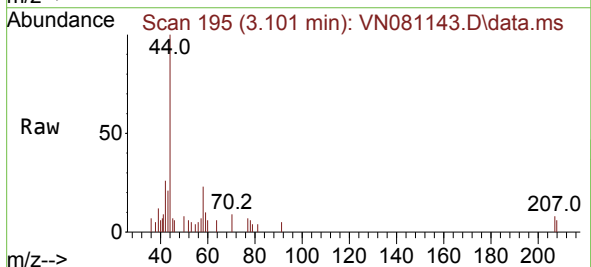
Instrument :
MSVOA_N
ClientSampleId :

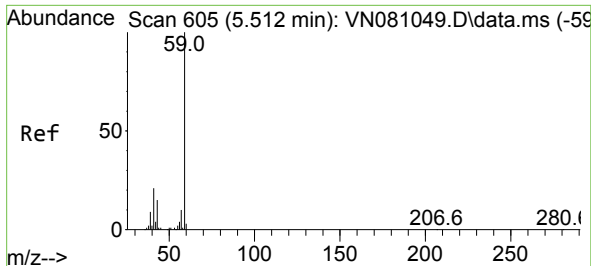
Tgt Ion: 94 Resp: 938
Ion Ratio Lower Upper
94 100
96 104.6 69.2 103.8#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 64 Resp: 320
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#





#11

Tert butyl alcohol

Concen: 0.692 ug/l

RT: 5.518 min Scan# 605

Delta R.T. 0.006 min

Lab File: VN081143.D

Acq: 22 Feb 2024 18:23

Instrument :

MSVOA_N

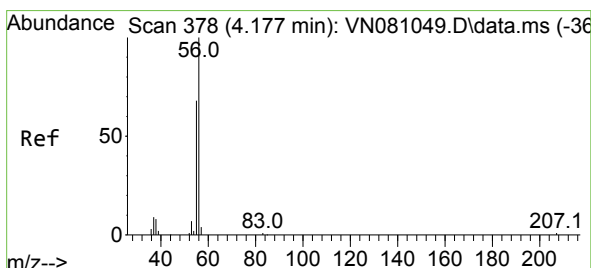
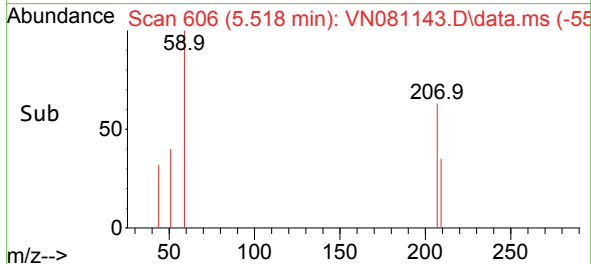
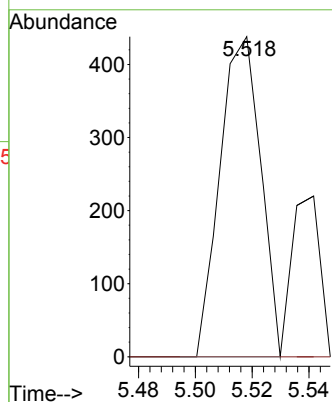
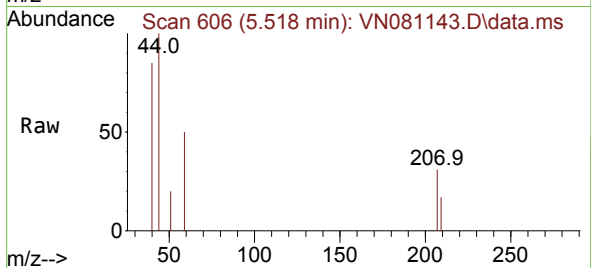
ClientSampleId :

Tgt Ion: 59 Resp: 437

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 5.511 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN081143.D

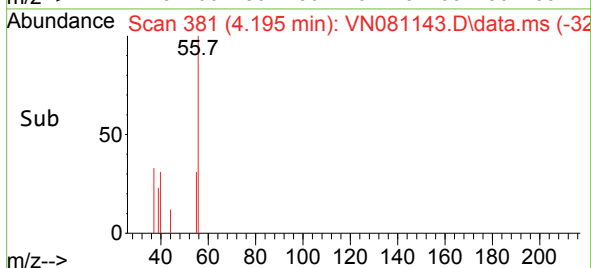
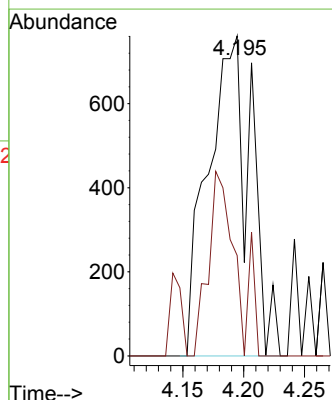
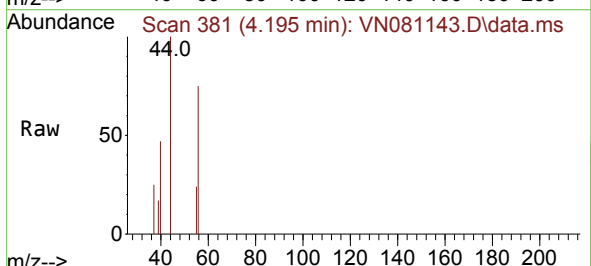
Acq: 22 Feb 2024 18:23

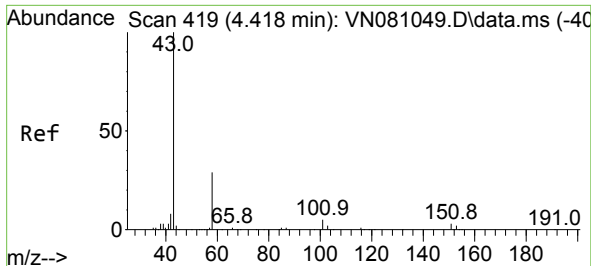
Tgt Ion: 56 Resp: 1866

Ion Ratio Lower Upper

56 100

55 32.1 55.3 82.9#

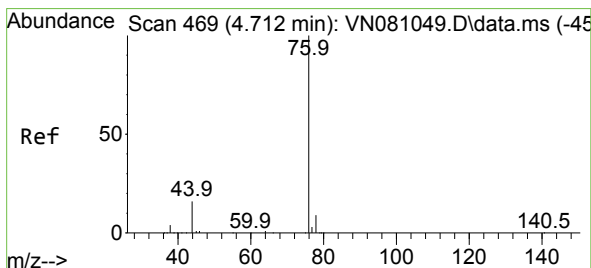
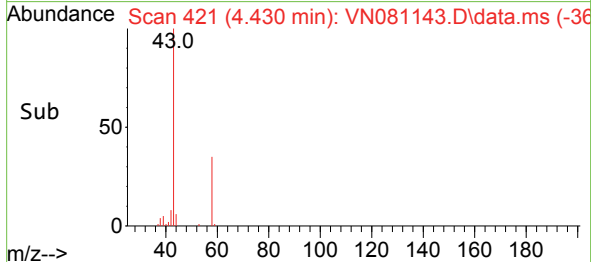
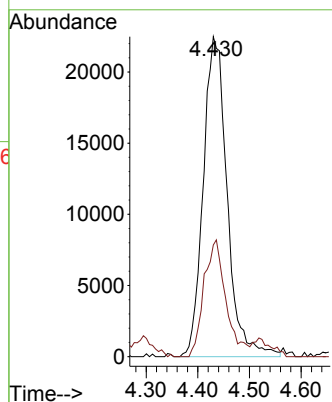
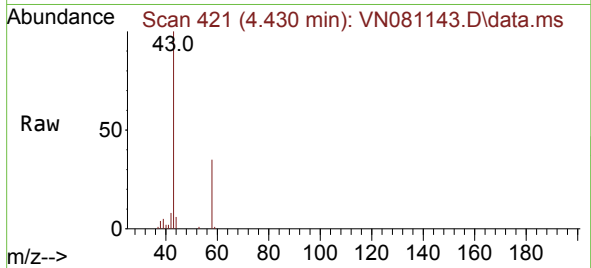




#16
Acetone
Concen: 53.404 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

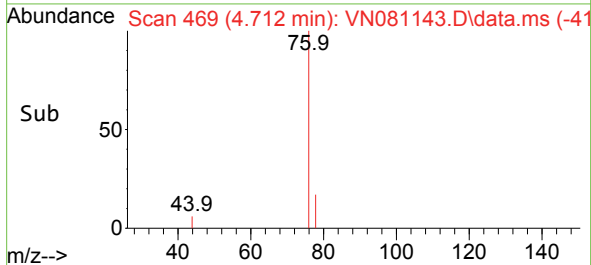
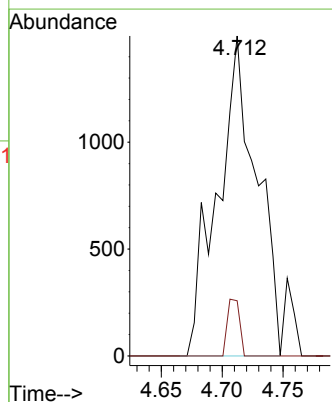
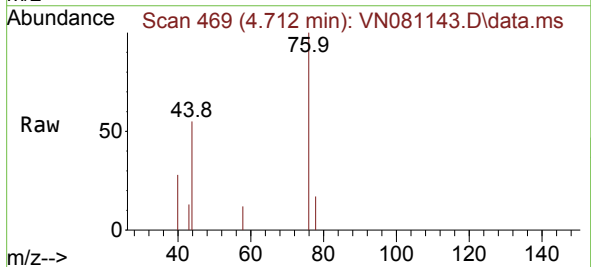
Instrument :
MSVOA_N
ClientSampleId :

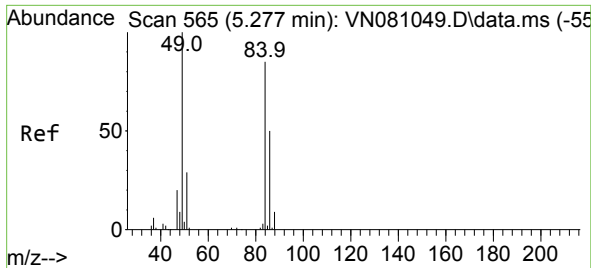
Tgt Ion: 43 Resp: 72177
Ion Ratio Lower Upper
43 100
58 34.9 24.8 37.2



#17
Carbon Disulfide
Concen: 0.379 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

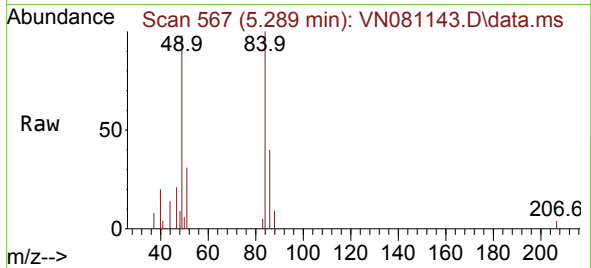
Tgt Ion: 76 Resp: 3349
Ion Ratio Lower Upper
76 100
78 17.2 6.3 9.5#



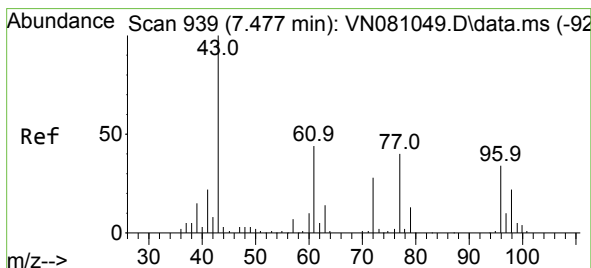
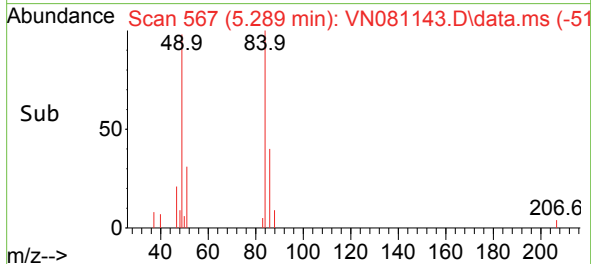
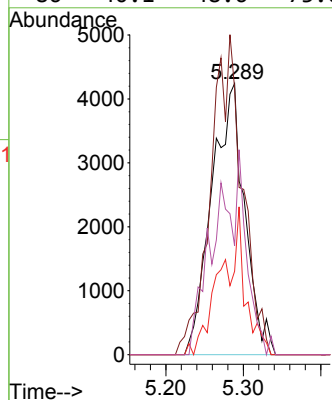


#20
Methylene Chloride
Concen: 2.709 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :

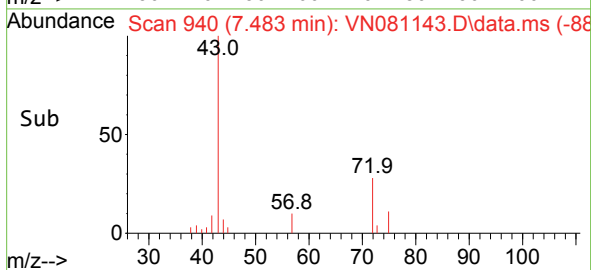
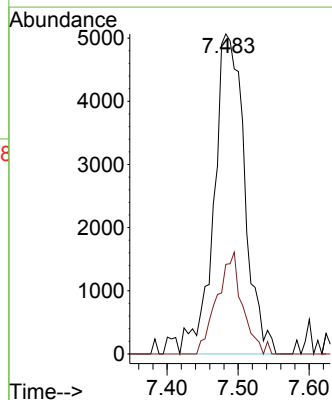
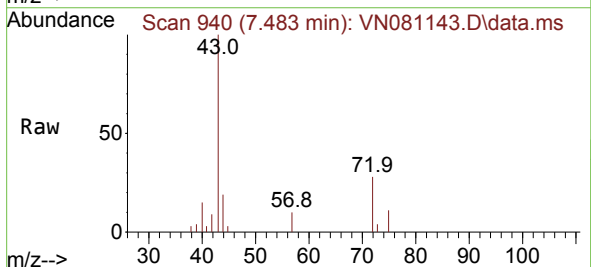


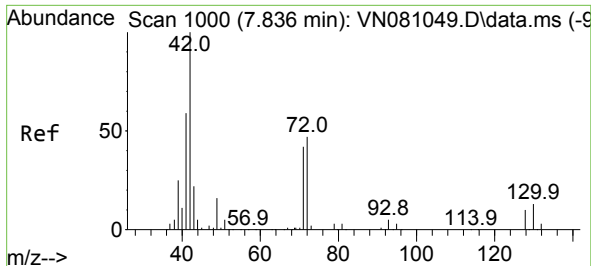
Tgt Ion: 84 Resp: 12547
Ion Ratio Lower Upper
84 100
49 98.1 108.1 162.1#
51 30.7 32.9 49.3#
86 40.1 48.6 73.0#



#25
2-Butanone
Concen: 6.928 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

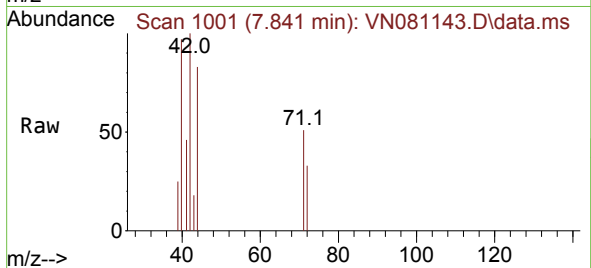
Tgt Ion: 43 Resp: 15126
Ion Ratio Lower Upper
43 100
72 28.0 19.5 29.3



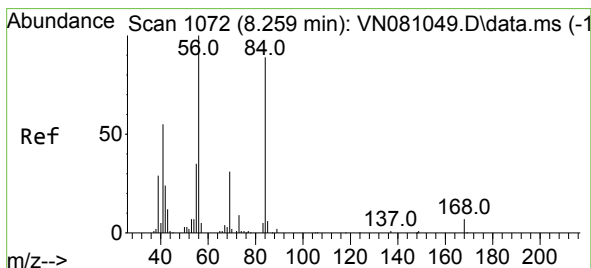
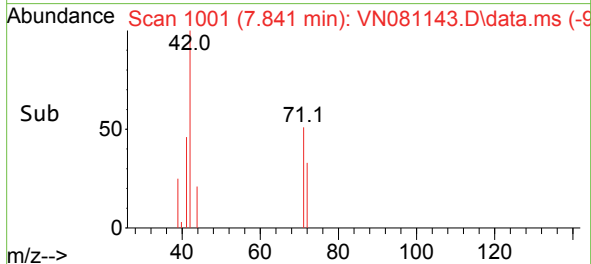
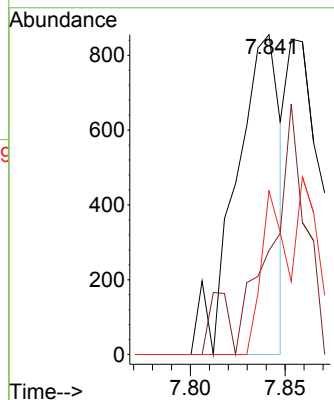


#29
Tetrahydrofuran
Concen: 0.950 ug/l
RT: 7.841 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :

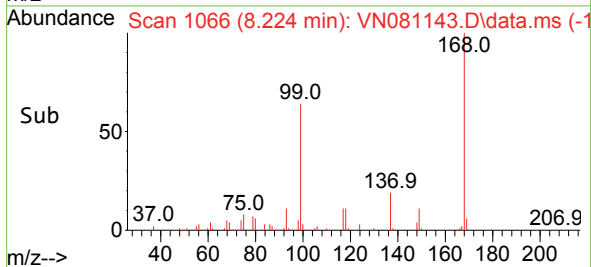
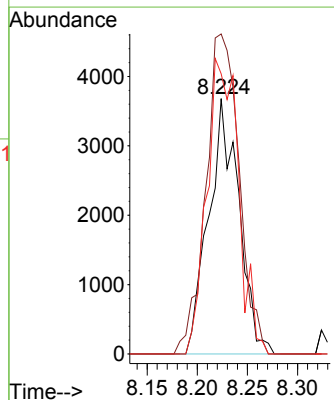
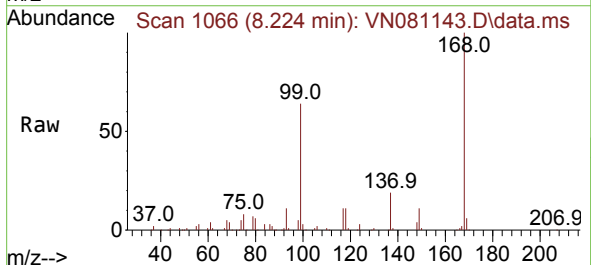


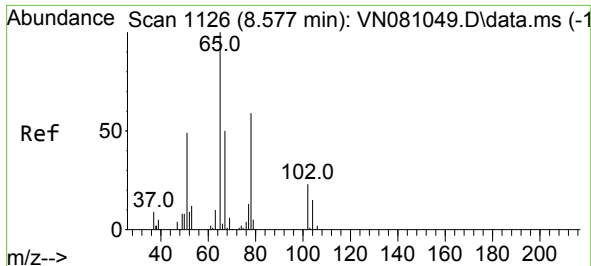
Tgt Ion: 42 Resp: 1385
Ion Ratio Lower Upper
42 100
72 0.0 31.1 46.7#
71 28.6 28.3 42.5



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 56 Resp: 7704
Ion Ratio Lower Upper
56 100
69 125.3 20.1 30.1#
84 109.7 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 50.774 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081143.D

Acq: 22 Feb 2024 18:23

Instrument :

MSVOA_N

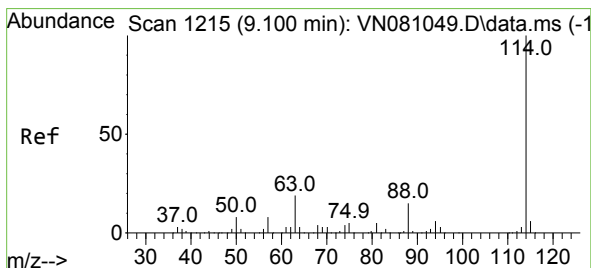
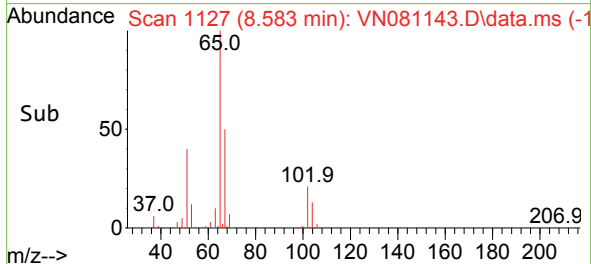
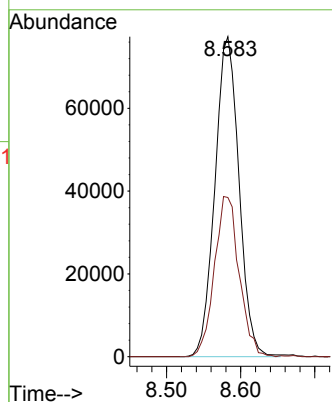
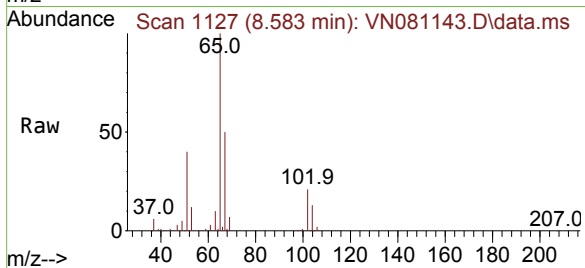
ClientSampleId :

Tgt Ion: 65 Resp: 174402

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN081143.D

Acq: 22 Feb 2024 18:23

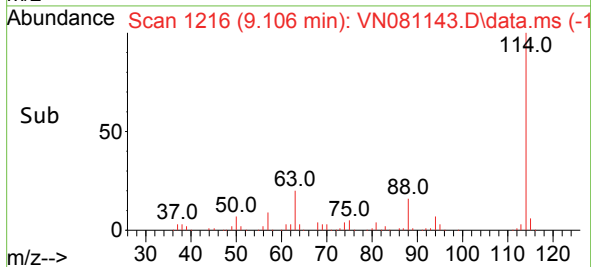
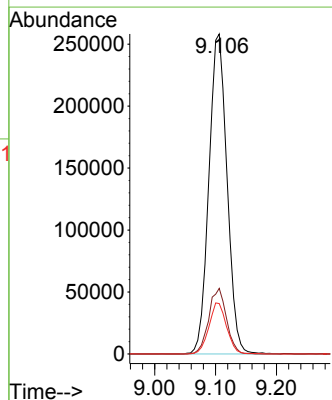
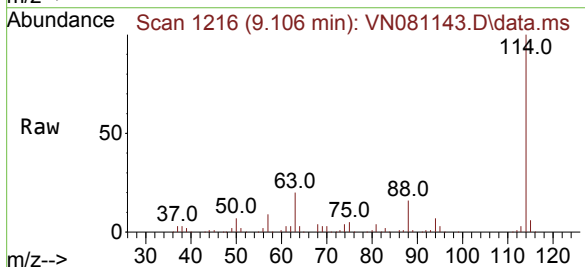
Tgt Ion: 114 Resp: 534218

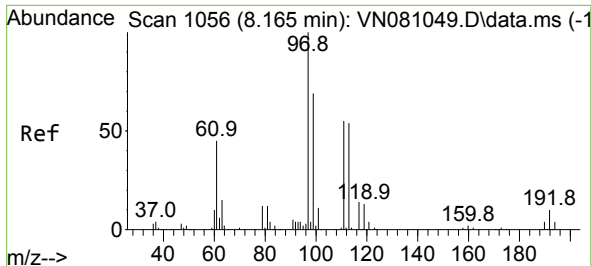
Ion Ratio Lower Upper

114 100

63 20.5 0.0 48.0

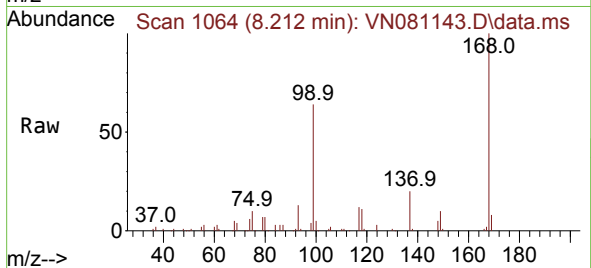
88 15.8 0.0 34.8



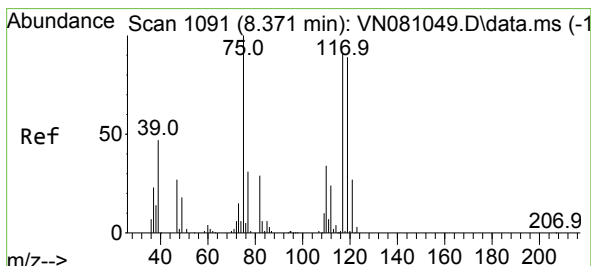
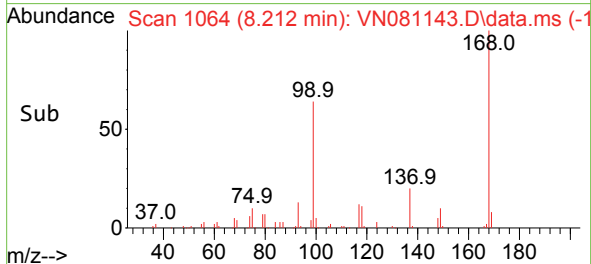
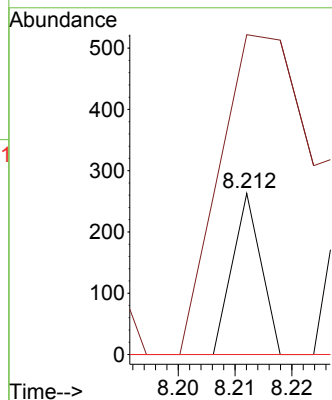


#35
Dibromofluoromethane
Concen: 0.031 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.047 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :

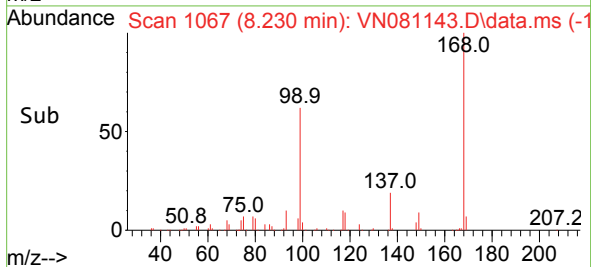
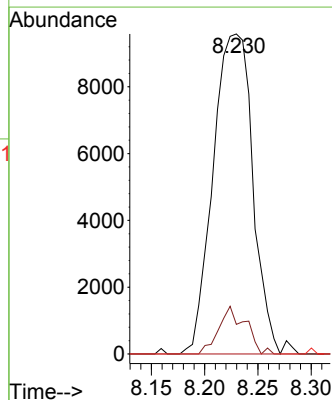
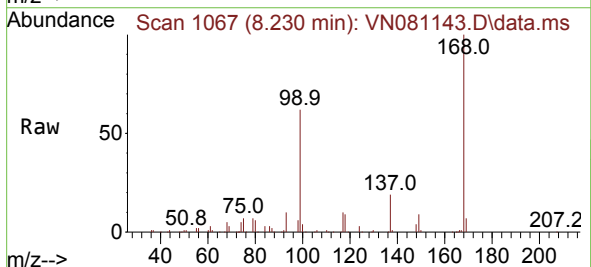


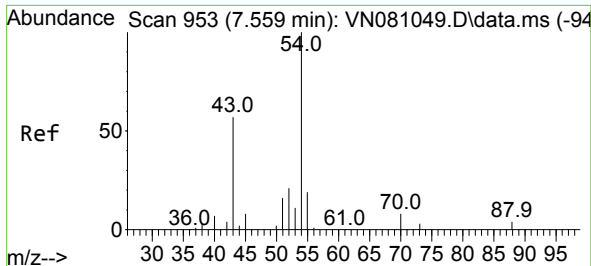
Tgt Ion:113 Resp: 93
Ion Ratio Lower Upper
113 100
111 732.3 82.2 123.4#
192 0.0 12.5 18.7#



#36
1,1-Dichloropropene
Concen: 4.787 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

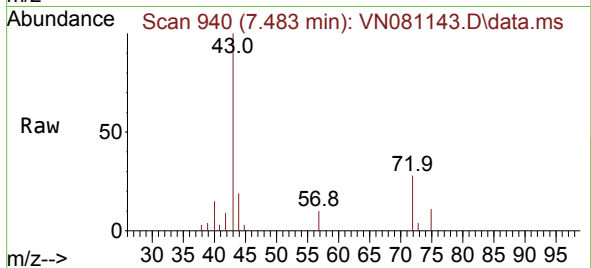
Tgt Ion: 75 Resp: 24772
Ion Ratio Lower Upper
75 100
110 10.1 16.0 48.0#
77 0.0 25.8 38.6#



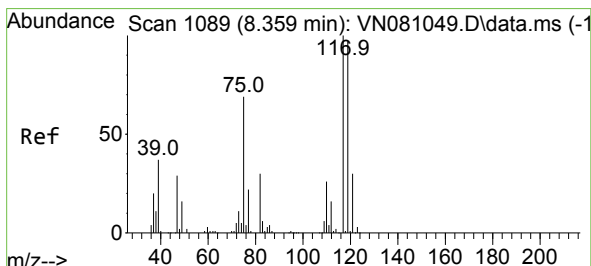
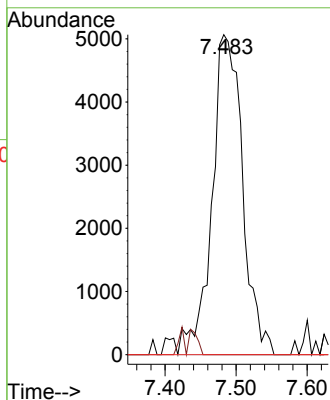
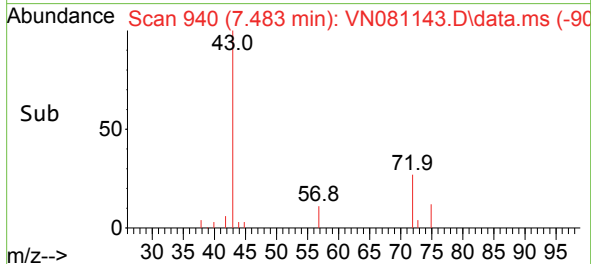


#37
Ethyl Acetate
Concen: 3.238 ug/l
RT: 7.483 min Scan# 94
Delta R.T. -0.076 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :

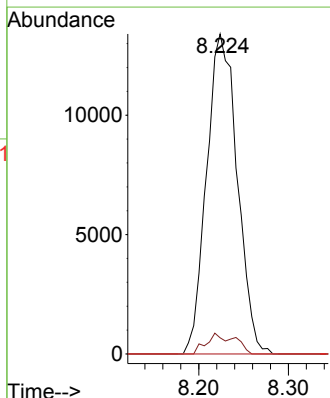
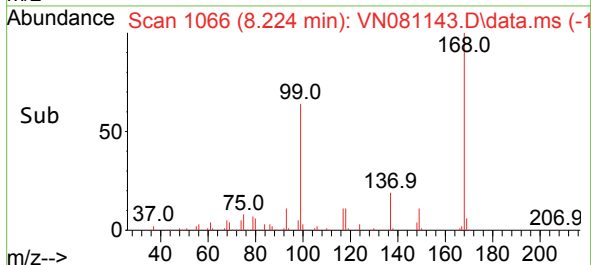
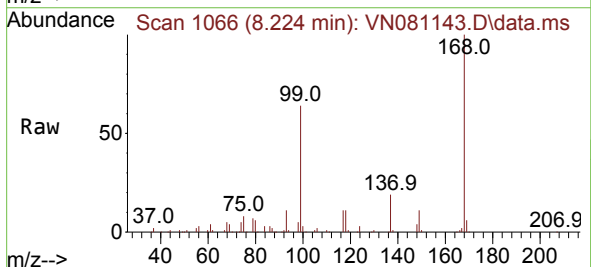


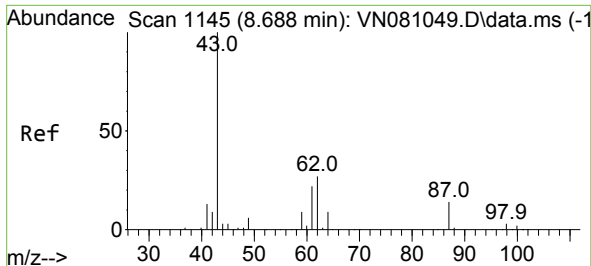
Tgt Ion: 43 Resp: 15126
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 6.074 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 117 Resp: 31804
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 24.4 36.6#

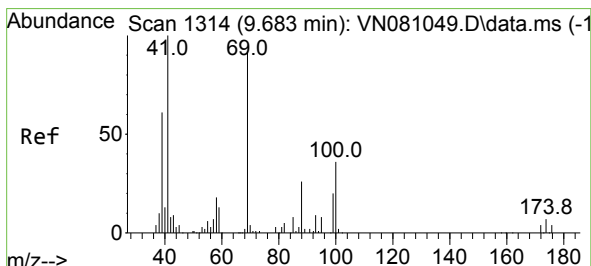
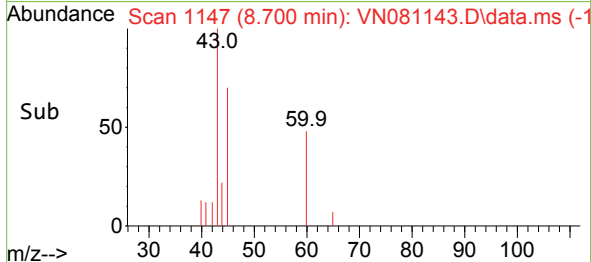
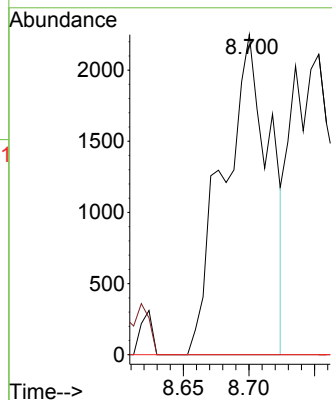
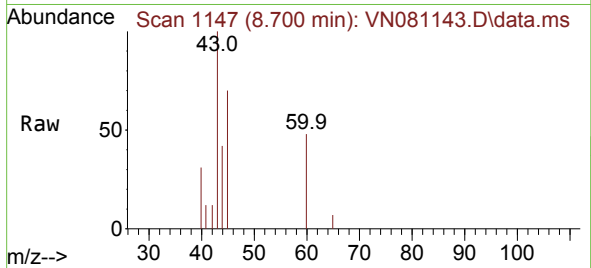




#43
Isopropyl Acetate
Concen: 0.679 ug/l
RT: 8.700 min Scan# 1145
Delta R.T. 0.012 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

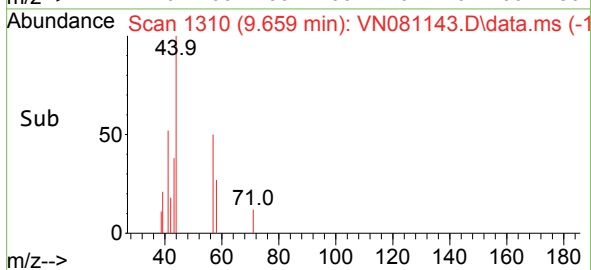
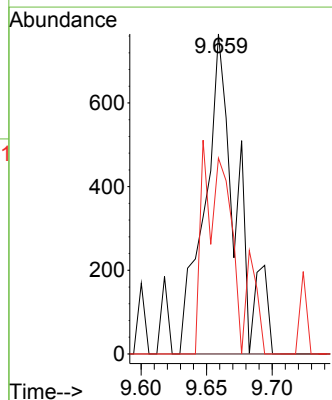
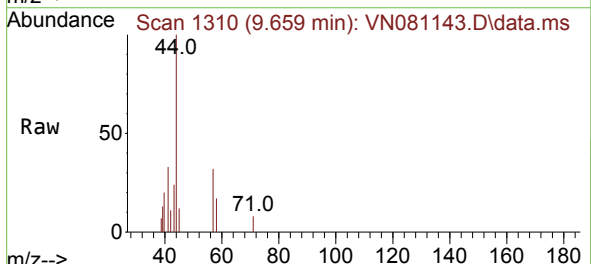
Instrument :
MSVOA_N
ClientSampleId :

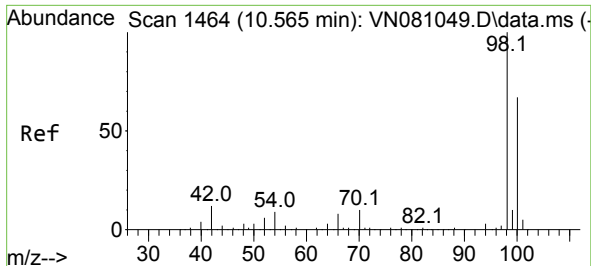
Tgt Ion: 43 Resp: 5547
Ion Ratio Lower Upper
43 100
61 0.0 19.9 29.9#
87 0.0 9.0 13.6#



#48
Methyl methacrylate
Concen: 0.341 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 41 Resp: 1296
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 52.5 47.6 71.4

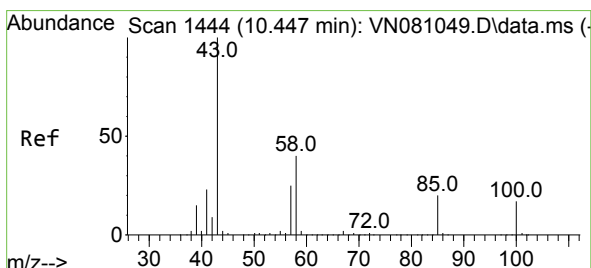
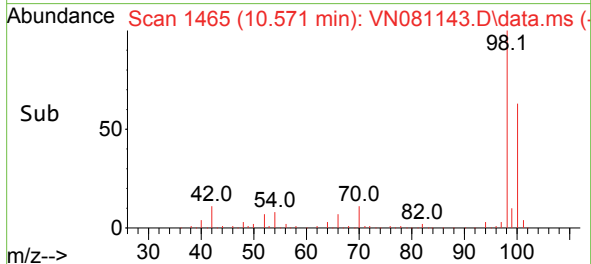
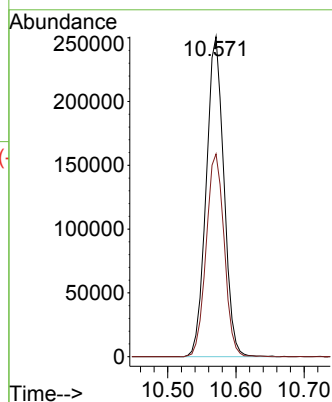
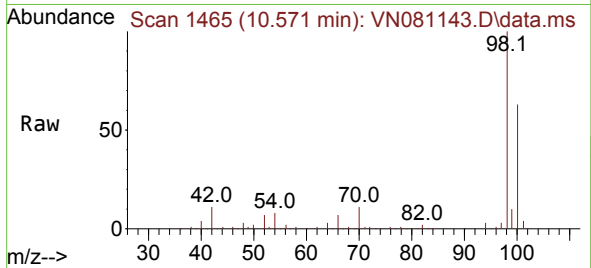




#50
Toluene-d8
Concen: 42.109 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

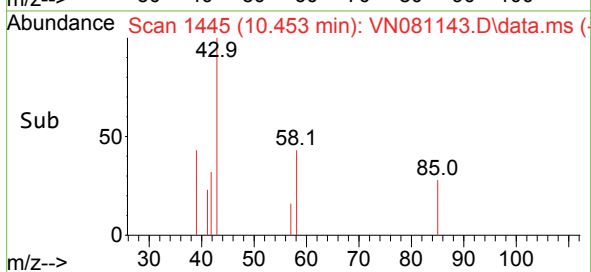
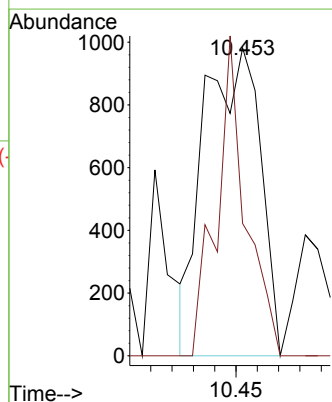
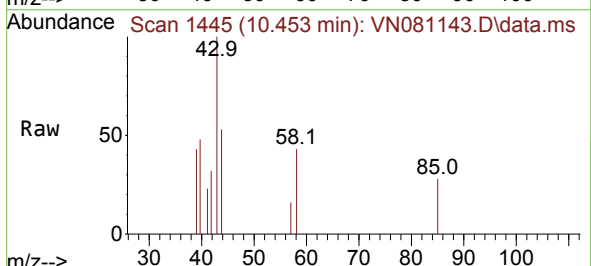
Instrument :
MSVOA_N
ClientSampleId :

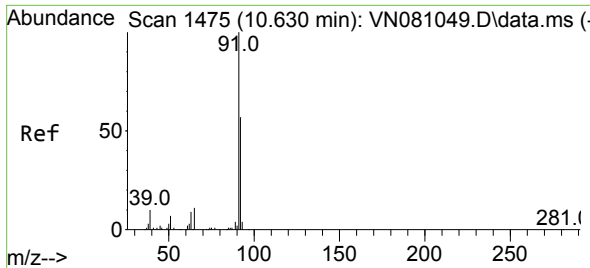
Tgt Ion: 98 Resp: 451791
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.384 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 53.5 29.4 44.0#

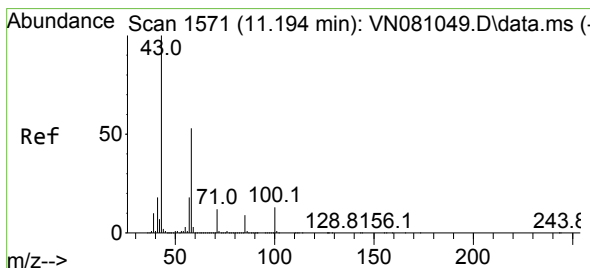
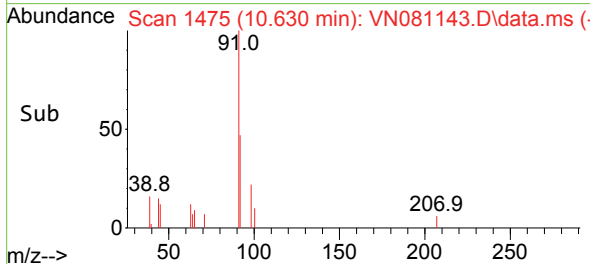
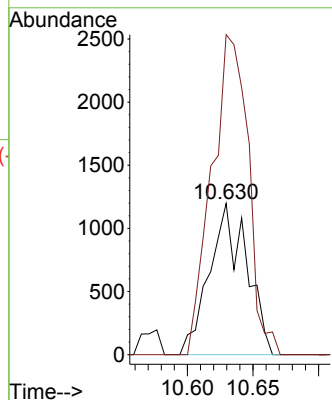
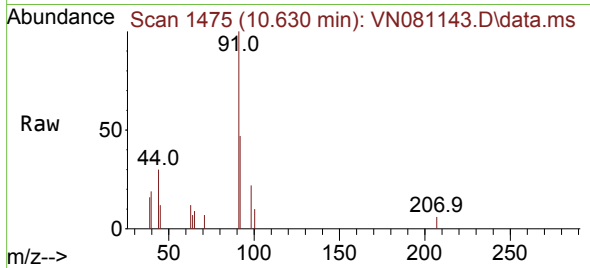




#52
Toluene
Concen: 0.250 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

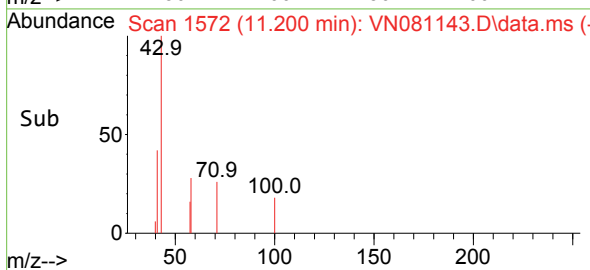
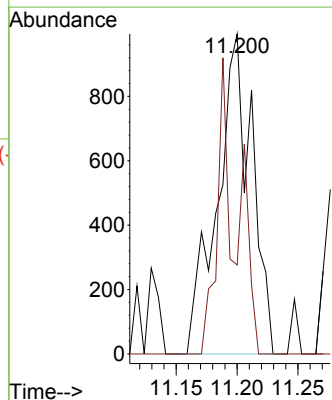
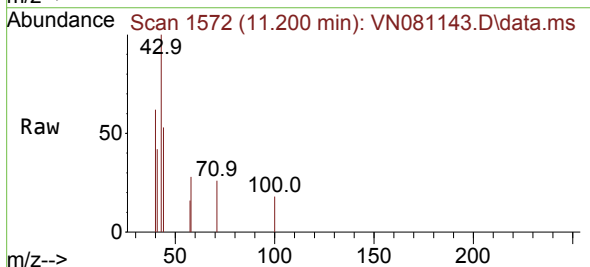
Instrument :
MSVOA_N
ClientSampleId :

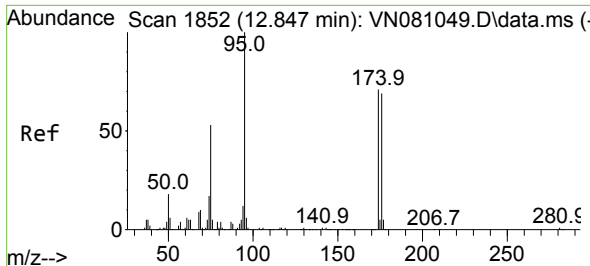
Tgt Ion: 92 Resp: 2368
Ion Ratio Lower Upper
92 100
91 206.9 139.4 209.0



#59
2-Hexanone
Concen: 0.528 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 43 Resp: 1968
Ion Ratio Lower Upper
43 100
58 34.4 25.9 77.8

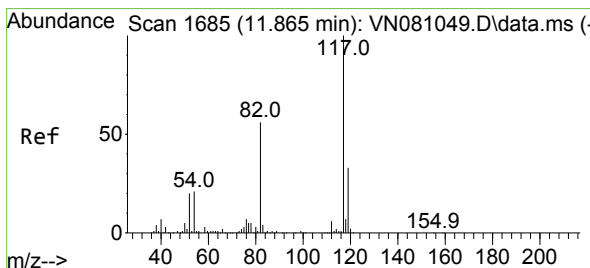
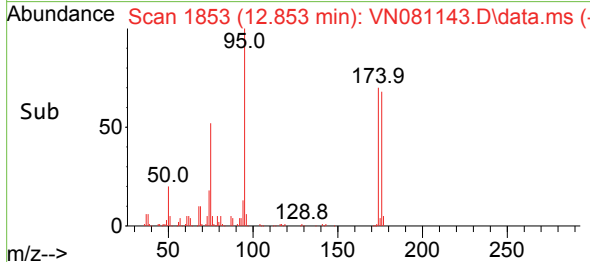
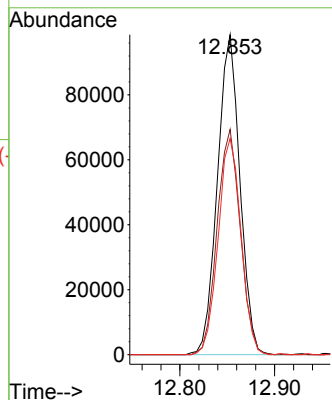
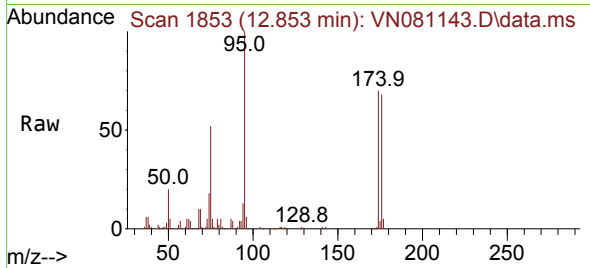




#62
4-Bromofluorobenzene
Concen: 40.425 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

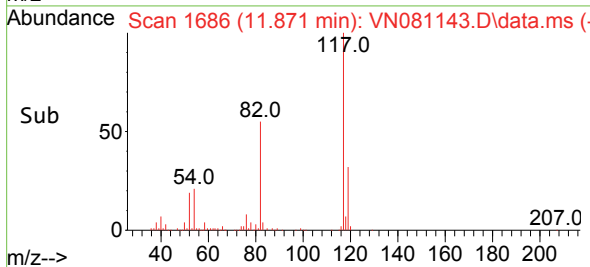
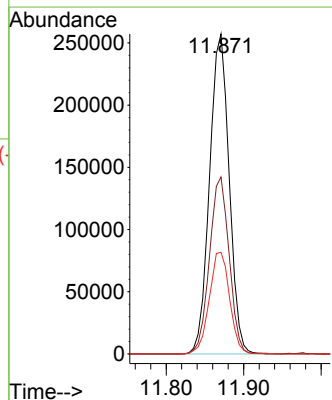
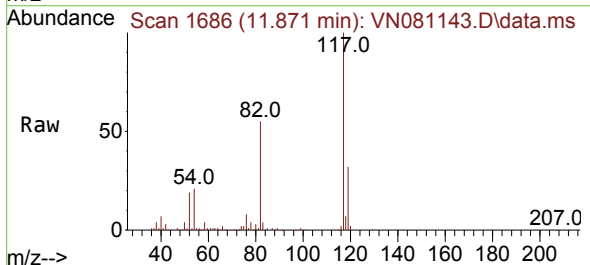
Instrument :
MSVOA_N
ClientSampleId :

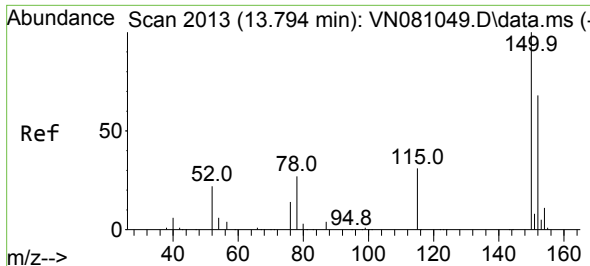
Tgt Ion: 95 Resp: 162976
Ion Ratio Lower Upper
95 100
174 72.3 0.0 120.4
176 68.4 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 117 Resp: 451818
Ion Ratio Lower Upper
117 100
82 55.3 52.7 79.1
119 31.8 25.3 37.9

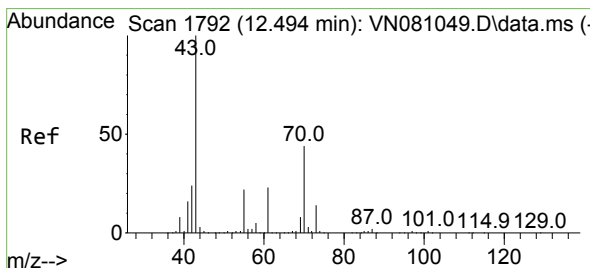
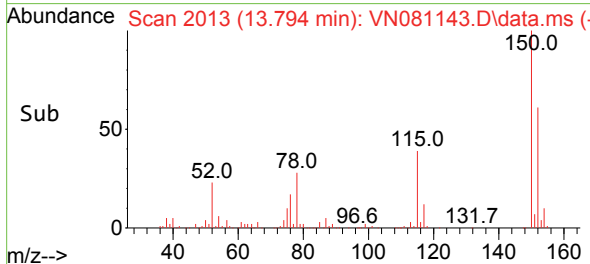
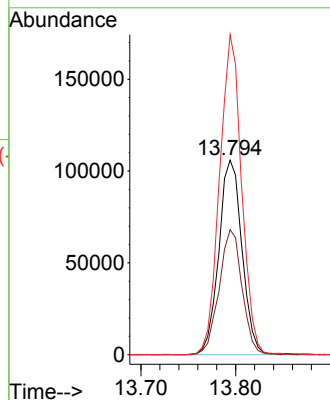
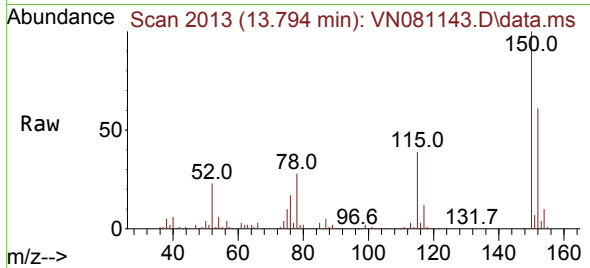




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

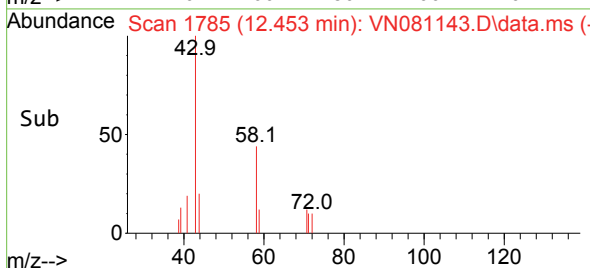
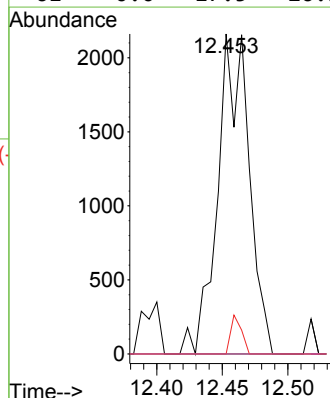
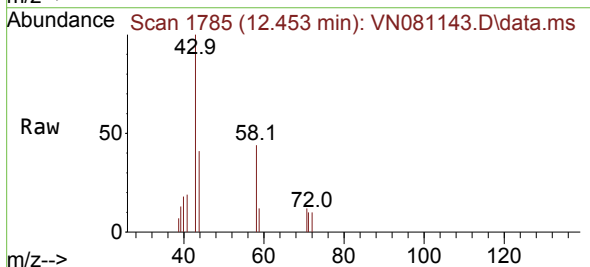
Instrument :
MSVOA_N
ClientSampleId :

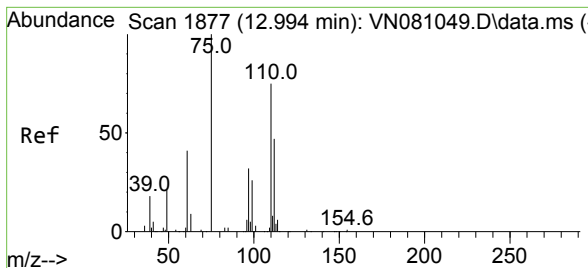
Tgt Ion:152 Resp: 180063
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 156.7 0.0 339.8



#74
N-ethyl acetate
Concen: 0.539 ug/l
RT: 12.453 min Scan# 1785
Delta R.T. -0.041 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 4.1 17.0 25.4#
61 0.0 17.5 26.3#

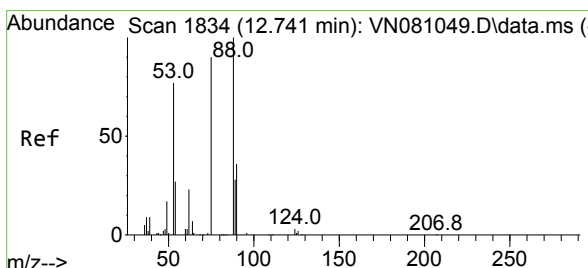
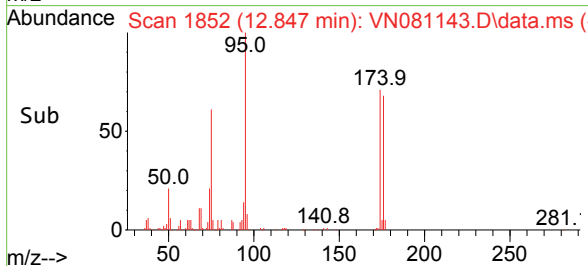
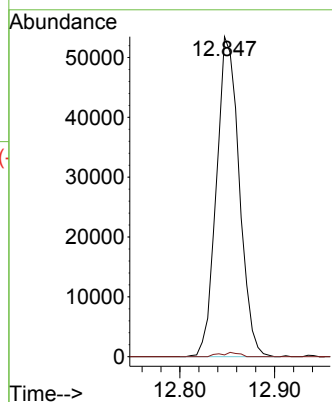
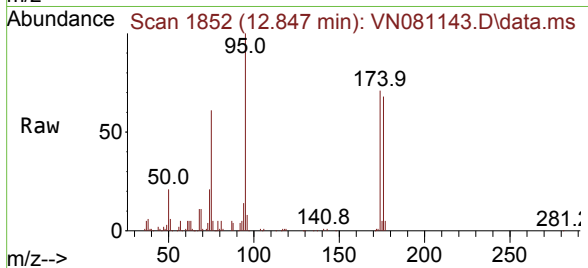




#76
1,2,3-Trichloropropane
Concen: 21.871 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 89478
Ion Ratio Lower Upper
75 100
77 1.1 91.0 272.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.294 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081143.D
Acq: 22 Feb 2024 18:23

Tgt Ion: 75 Resp: 89478
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 33.4 50.0#

