

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083074.D
 Acq On : 30 Jul 2024 17:51
 Operator : JC\MD
 Sample : PB162324ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:05:43 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)

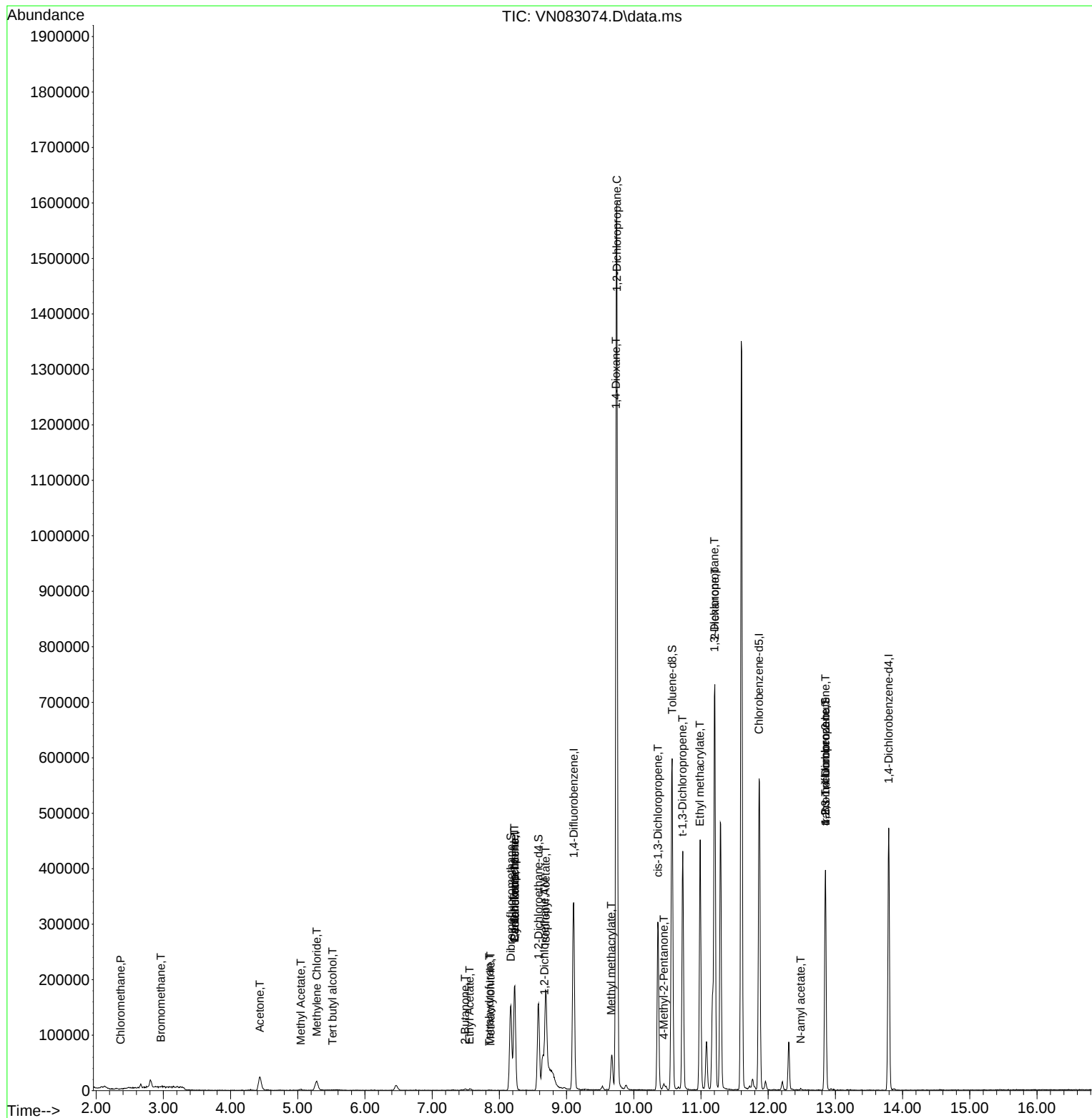
Internal Standards						
1) Pentafluorobenzene	8.230	168	126884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	283771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	128632	72.320	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 144.640%#	
35) Dibromofluoromethane	8.171	113	107817	59.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.420%	
50) Toluene-d8	10.571	98	397677	59.131	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 118.260%#	
62) 4-Bromofluorobenzene	12.853	95	120878	50.036	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 100.080%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	329	0.211	ug/l #	55
5) Bromomethane	2.965	94	386	0.327	ug/l	88
11) Tert butyl alcohol	5.518	59	65	0.217	ug/l #	71
16) Acetone	4.436	43	47304	75.539	ug/l	93
18) Methyl Acetate	5.047	43	3131	1.890	ug/l	92
20) Methylene Chloride	5.283	84	12367	8.177	ug/l #	74
25) 2-Butanone	7.488	43	4382	4.634	ug/l #	85
29) Tetrahydrofuran	7.853	42	313	0.526	ug/l #	38
31) Cyclohexane	8.230	56	3969	1.707	ug/l #	56
36) 1,1-Dichloropropene	8.224	75	12708	5.062	ug/l #	53
37) Ethyl Acetate	7.559	43	3867	1.513	ug/l #	94
38) Carbon Tetrachloride	8.224	117	13659	4.519	ug/l #	16
41) Methacrylonitrile	7.871	41	436	0.317	ug/l #	42
42) 1,2-Dichloroethane	8.671	62	702	0.253	ug/l #	78
43) Isopropyl Acetate	8.688	43	280718	58.767	ug/l #	81
45) 1,2-Dichloropropane	9.747	63	2231	1.237	ug/l #	44
48) Methyl methacrylate	9.665	41	4702	2.346	ug/l #	47
49) 1,4-Dioxane	9.735	88	158	4.187	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	11534	4.552	ug/l #	75
53) t-1,3-Dichloropropene	10.724	75	901	0.301	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	49836	15.748	ug/l #	68
56) Ethyl methacrylate	10.982	69	3283	1.190	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8163	2.600	ug/l #	43
59) 2-Hexanone	11.206	43	99275	52.696	ug/l #	59
74) N-amyl acetate	12.482	43	1090	0.298	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	70826	33.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	70826	66.385	ug/l #	6

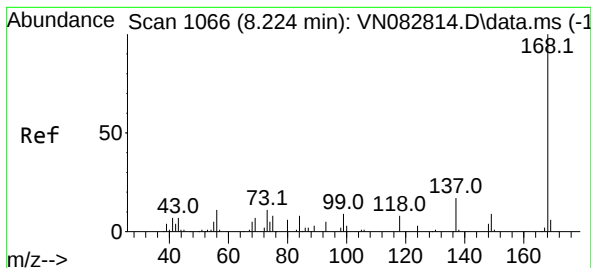
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
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Instrument :
MSVOA_N
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Quant Time: Jul 31 06:05:43 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

Instrument :

MSVOA_N

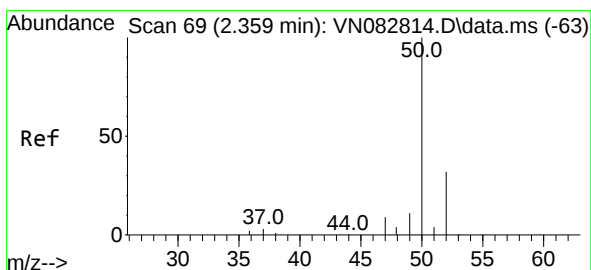
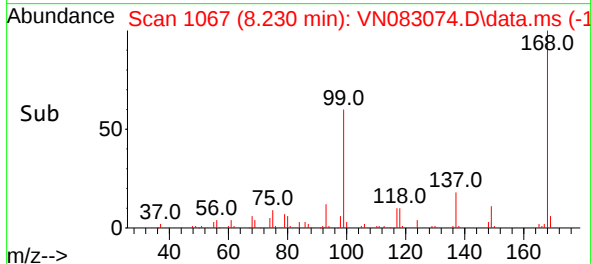
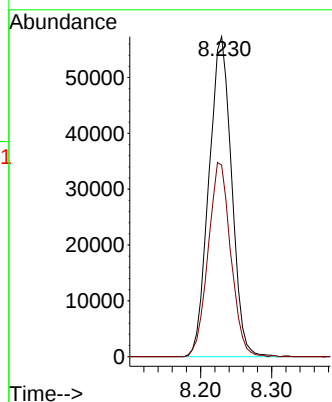
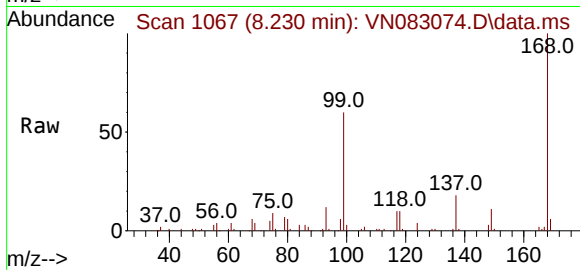
ClientSampleId :

Tgt Ion:168 Resp: 126884

Ion Ratio Lower Upper

168 100

99 59.8 48.2 72.4



#3

Chloromethane

Concen: 0.211 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN083074.D

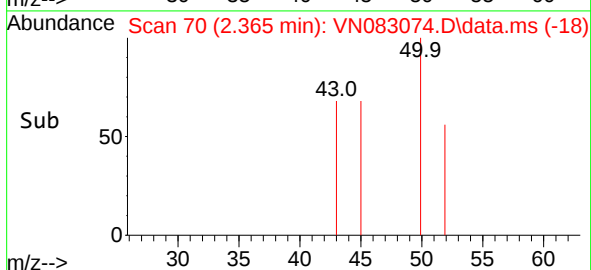
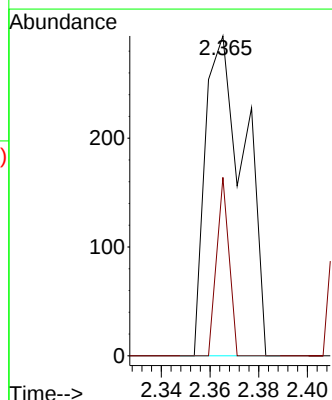
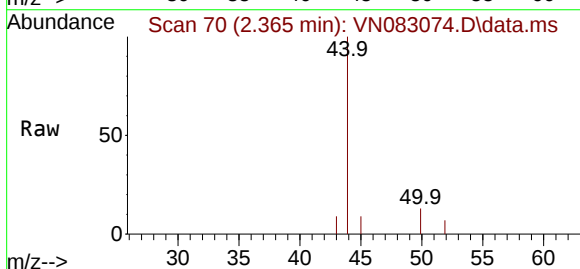
Acq: 30 Jul 2024 17:51

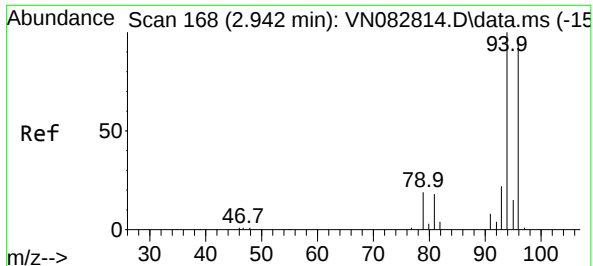
Tgt Ion: 50 Resp: 329

Ion Ratio Lower Upper

50 100

52 55.8 25.0 37.4#

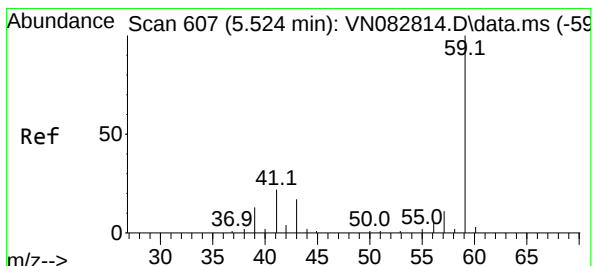
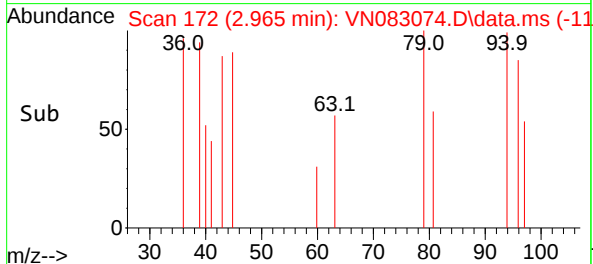
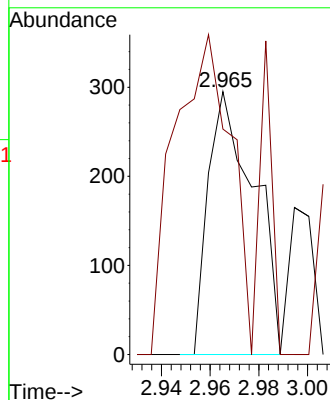
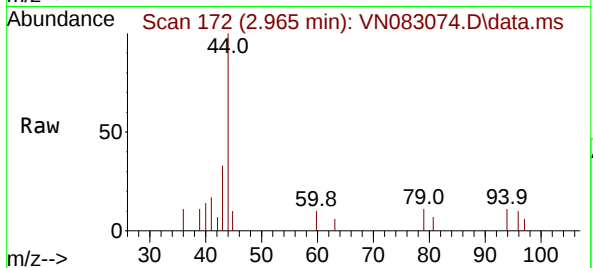




#5
Bromomethane
Concen: 0.327 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

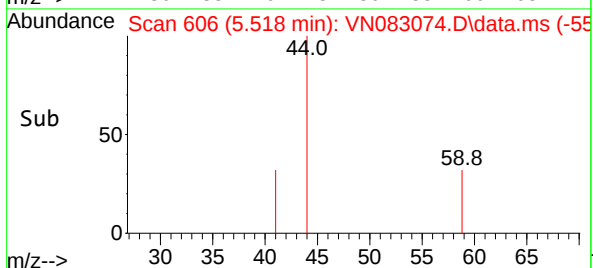
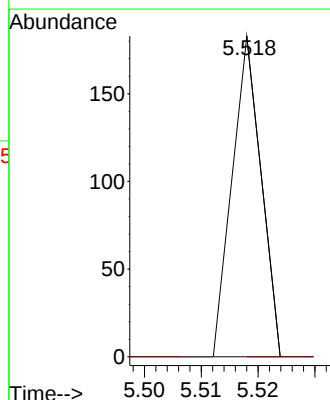
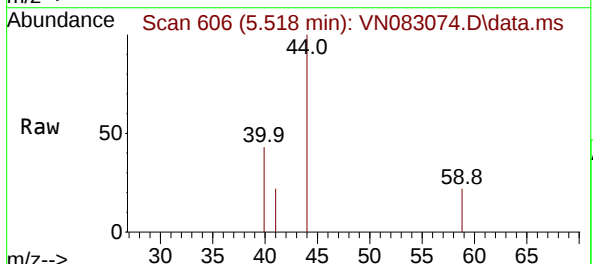
Instrument :
MSVOA_N
ClientSampleId :

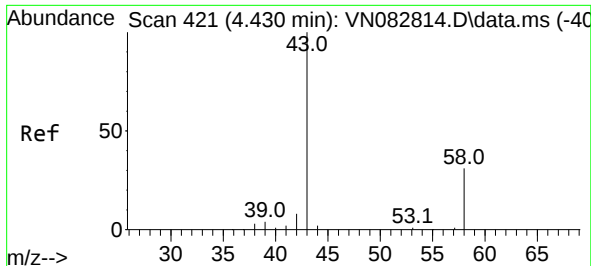
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 85.8 78.0 117.0



#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

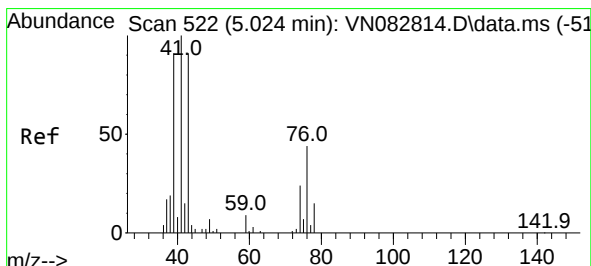
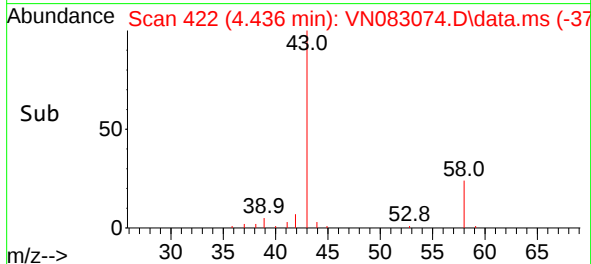
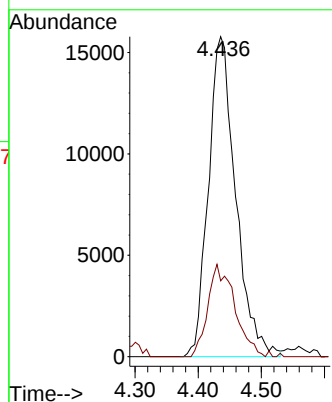
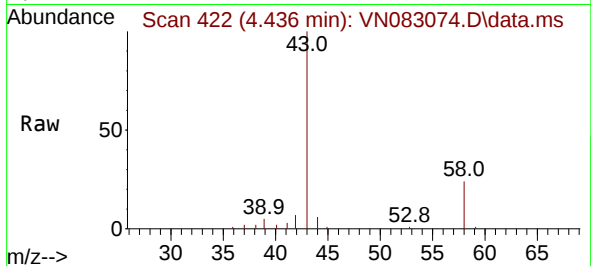




#16
Acetone
Concen: 75.539 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

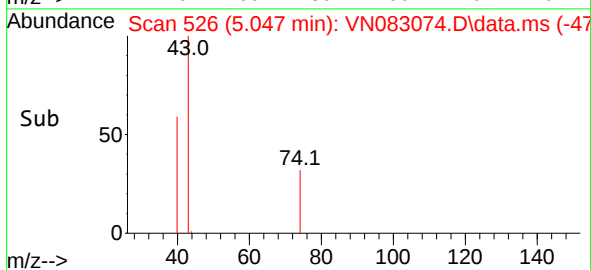
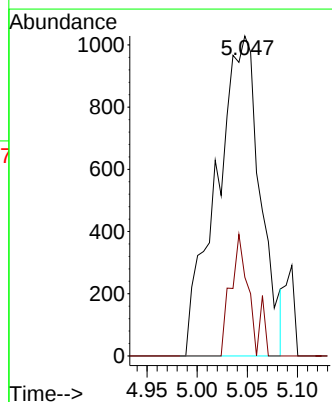
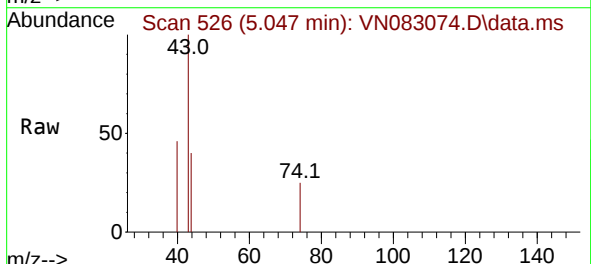
Instrument :
MSVOA_N
ClientSampleId :

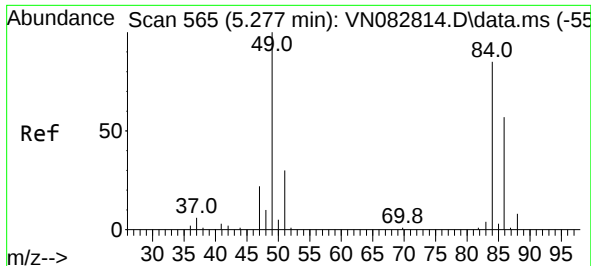
Tgt Ion: 43 Resp: 47304
Ion Ratio Lower Upper
43 100
58 23.7 21.8 32.6



#18
Methyl Acetate
Concen: 1.890 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.017 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

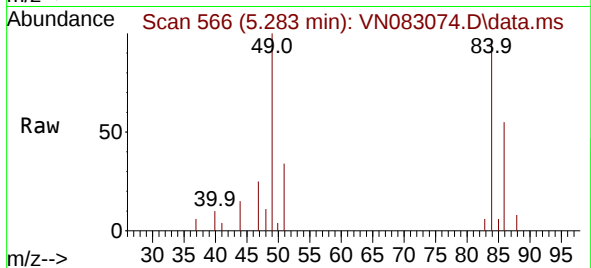
Tgt Ion: 43 Resp: 3131
Ion Ratio Lower Upper
43 100
74 16.6 16.3 24.5



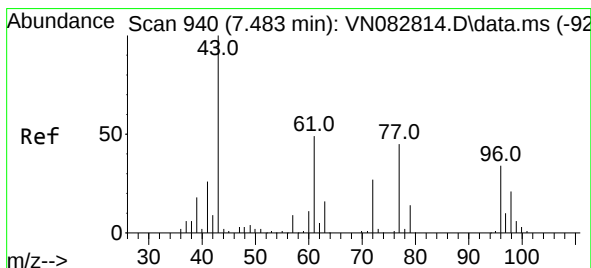
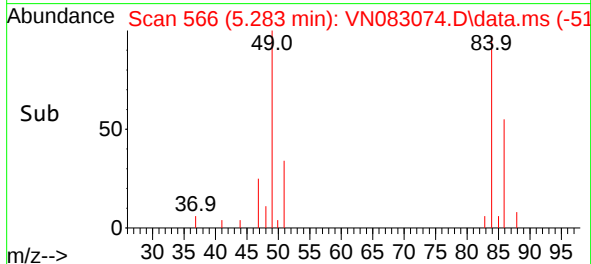
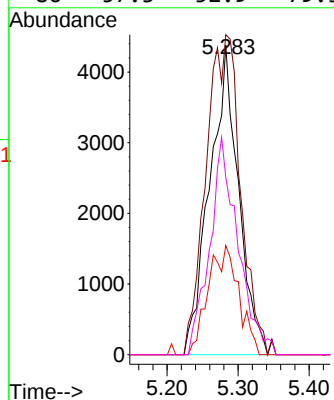


#20
Methylene Chloride
Concen: 8.177 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

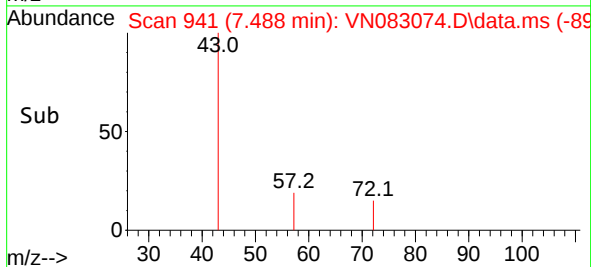
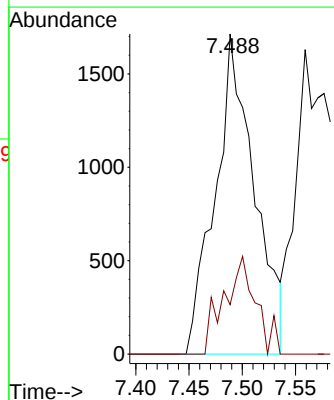
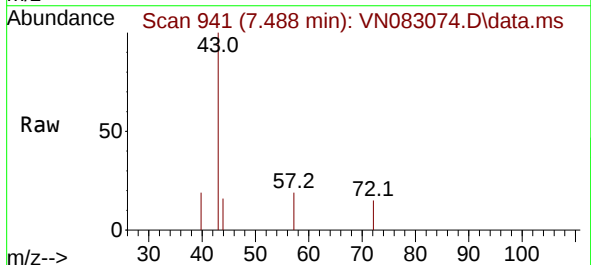


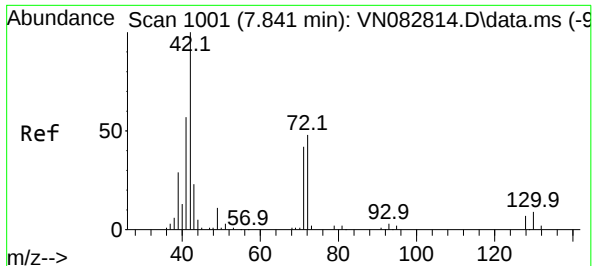
Tgt Ion:	84	Resp:	12367
Ion	Ratio	Lower	Upper
84	100		
49	103.4	119.6	179.4#
51	35.3	34.8	52.2
86	57.3	52.9	79.3



#25
2-Butanone
Concen: 4.634 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion:	43	Resp:	4382
Ion	Ratio	Lower	Upper
43	100		
72	15.4	18.2	27.2#





#29

Tetrahydrofuran

Concen: 0.526 ug/l

RT: 7.853 min Scan# 1

Delta R.T. 0.012 min

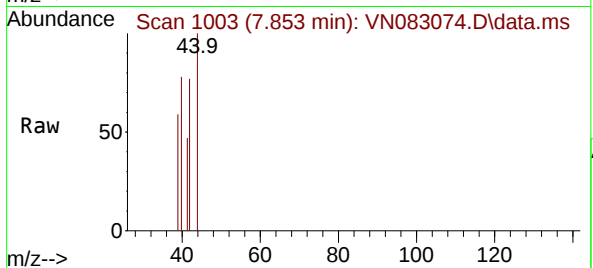
Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

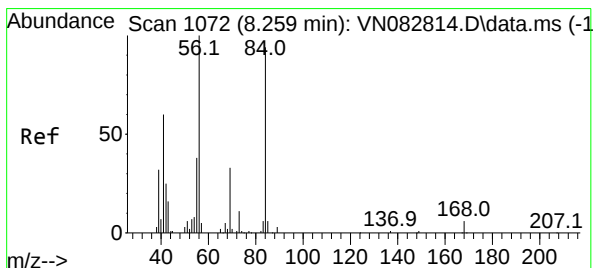
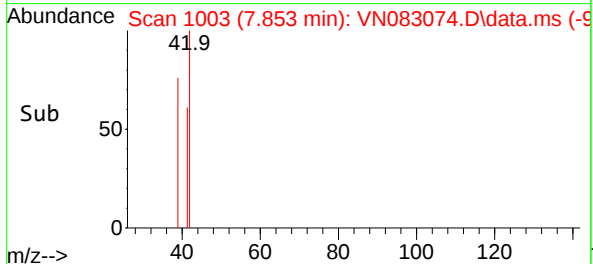
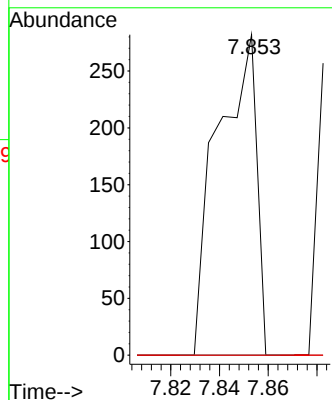
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	313
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.707 ug/l

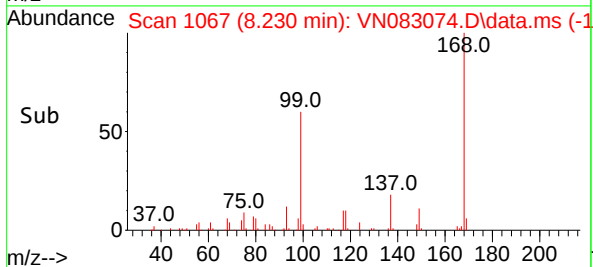
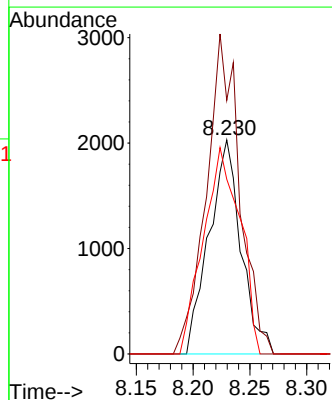
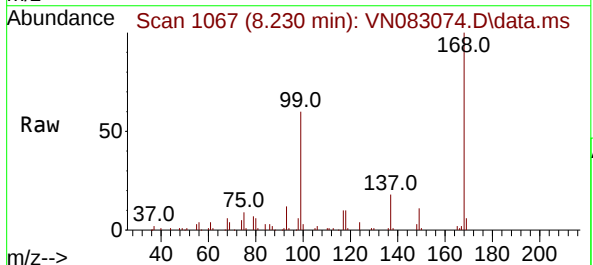
RT: 8.230 min Scan# 1067

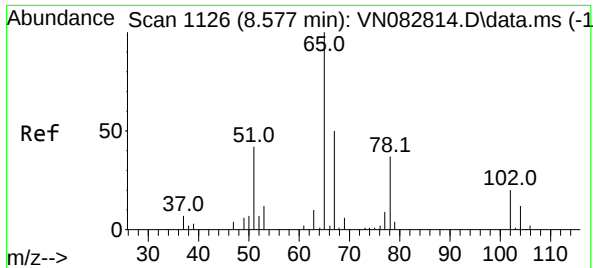
Delta R.T. -0.029 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

Tgt Ion:	56	Resp:	3969
Ion	Ratio	Lower	Upper
56	100		
69	118.5	24.5	36.7#
84	81.6	66.0	99.0





#33

1,2-Dichloroethane-d4

Concen: 72.320 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

Instrument :

MSVOA_N

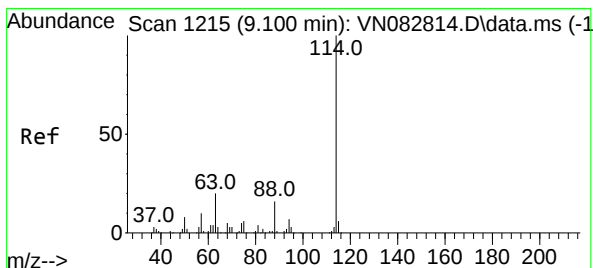
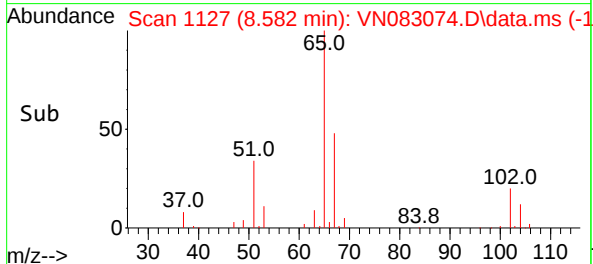
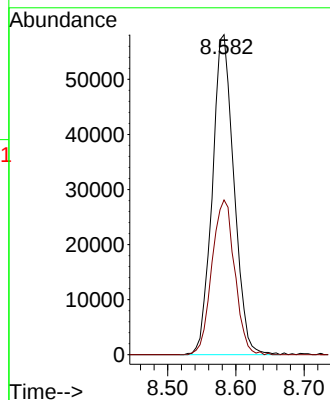
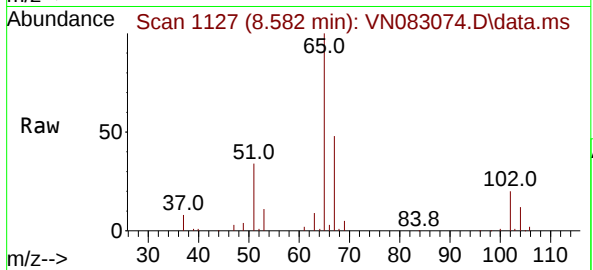
ClientSampleId :

Tgt Ion: 65 Resp: 128632

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# 1216

Delta R.T. 0.000 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

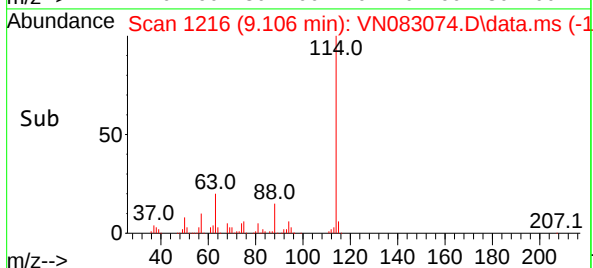
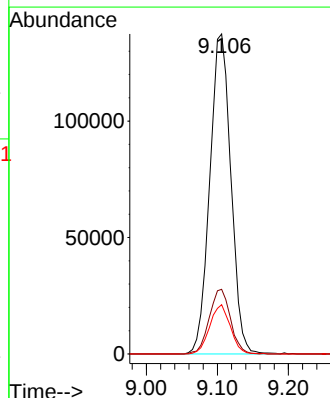
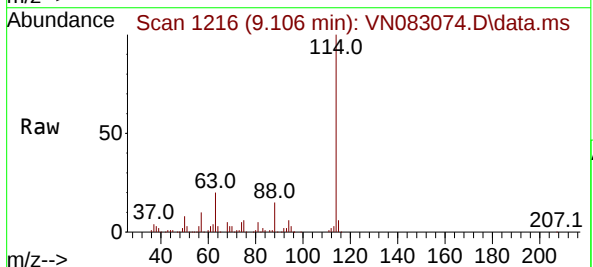
Tgt Ion: 114 Resp: 283771

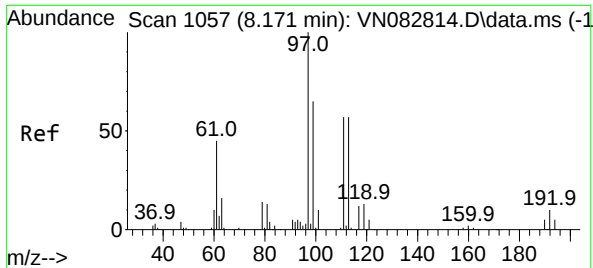
Ion Ratio Lower Upper

114 100

63 20.2 0.0 44.6

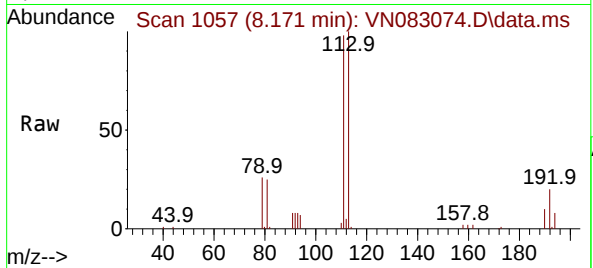
88 15.4 0.0 31.4



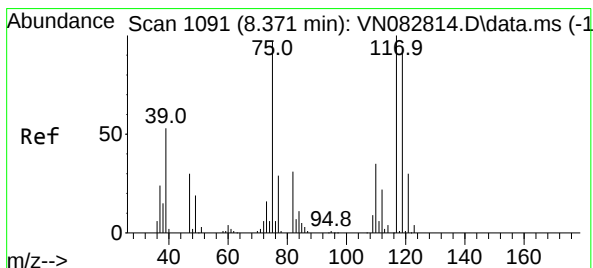
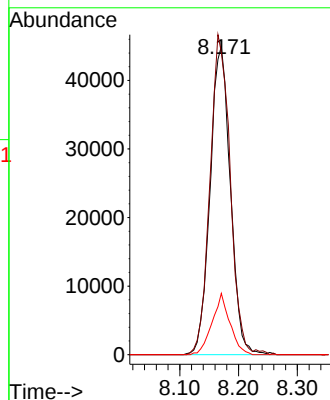
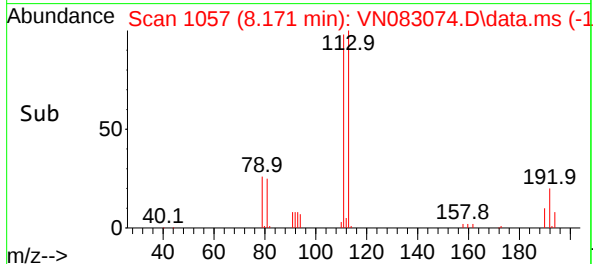


#35
Dibromofluoromethane
Concen: 59.211 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

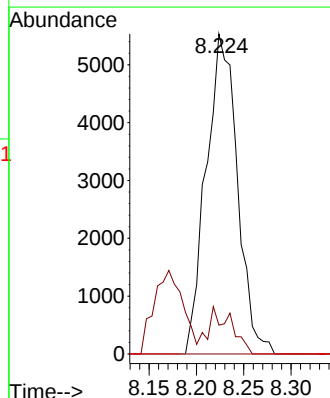
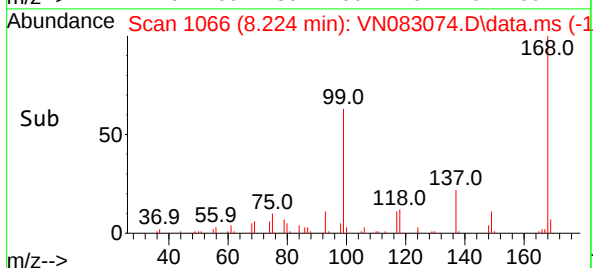
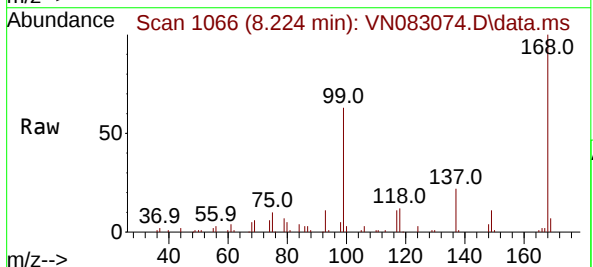


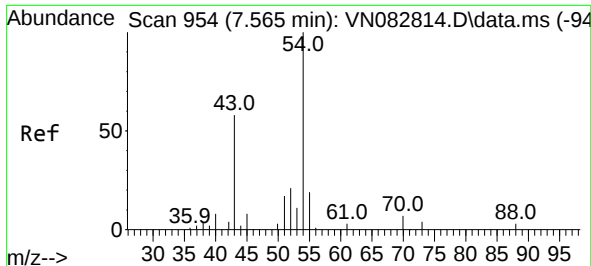
Tgt Ion:113 Resp: 107817
Ion Ratio Lower Upper
113 100
111 103.5 82.4 123.6
192 17.5 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.062 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 75 Resp: 12708
Ion Ratio Lower Upper
75 100
110 10.9 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.513 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.006 min

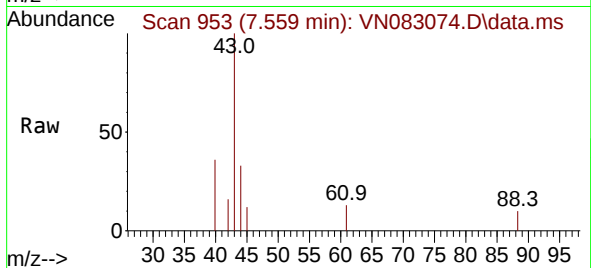
Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

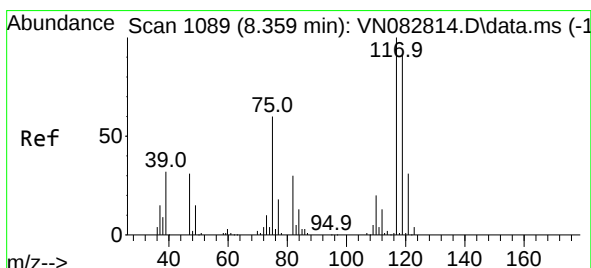
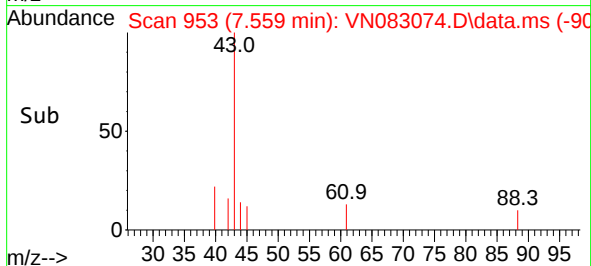
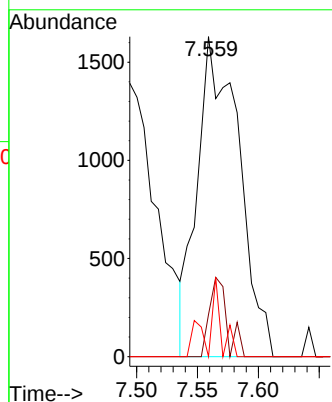
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3867
Ion	Ratio	Lower	Upper
43	100		
61	10.5	9.3	13.9
70	5.1	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.519 ug/l

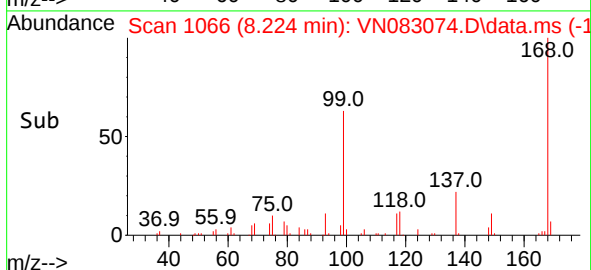
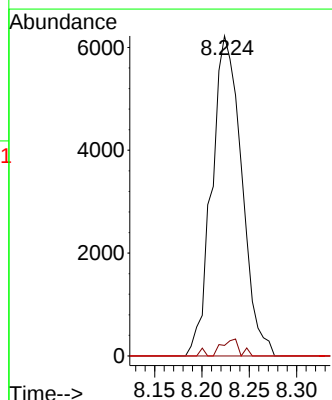
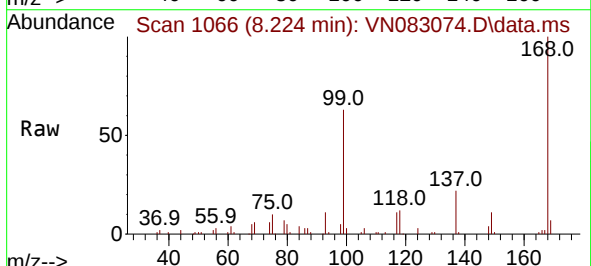
RT: 8.224 min Scan# 1066

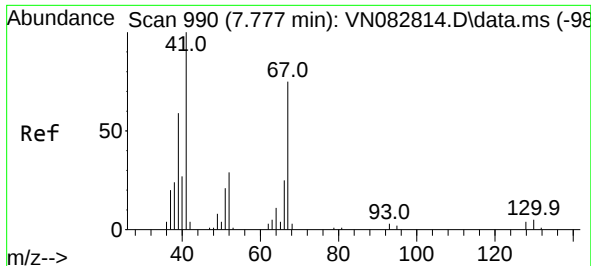
Delta R.T. -0.141 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

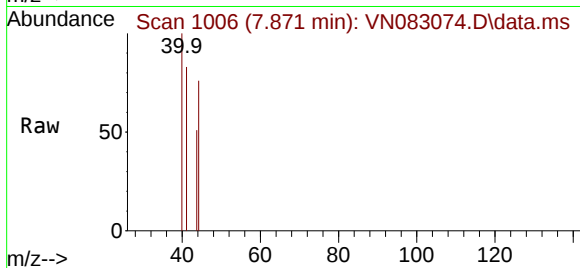
Tgt Ion:	117	Resp:	13659
Ion	Ratio	Lower	Upper
117	100		
119	3.3	74.9	112.3#
121	0.0	24.3	36.5#



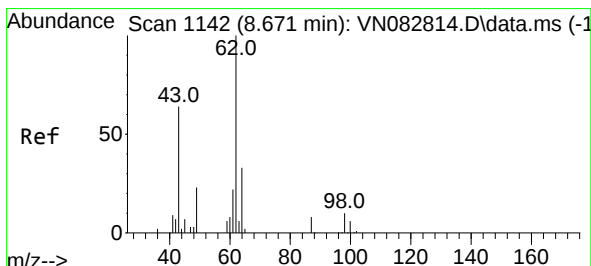
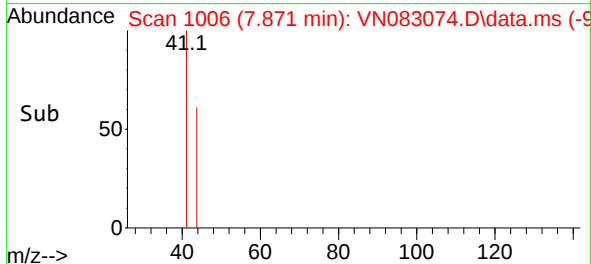
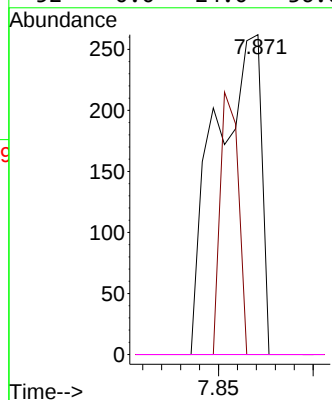


#41
Methacrylonitrile
Concen: 0.317 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.089 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

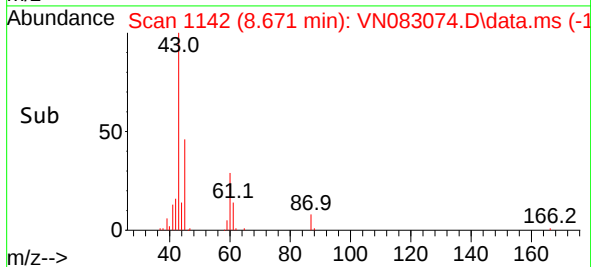
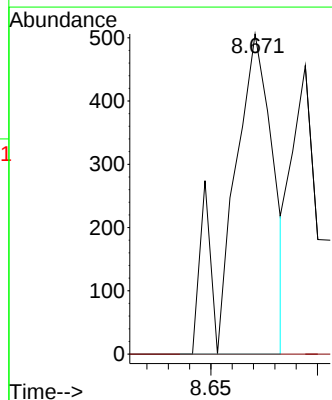
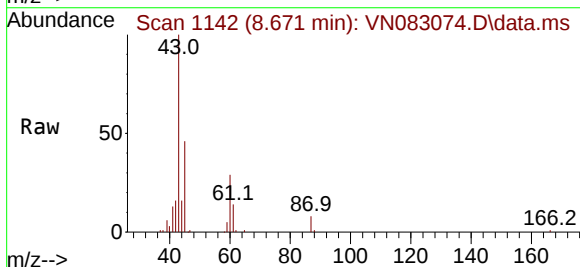


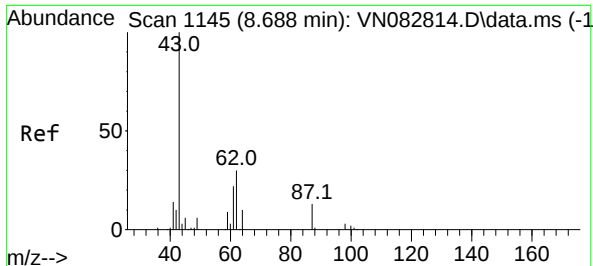
Tgt Ion: 41	Resp: 436
Ion Ratio	Lower Upper
41 100	
39 32.8	45.5 68.3#
67 0.0	50.5 75.7#
52 0.0	24.0 36.0#



#42
1,2-Dichloroethane
Concen: 0.253 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 62	Resp: 702
Ion Ratio	Lower Upper
62 100	
98 0.0	0.0 15.8

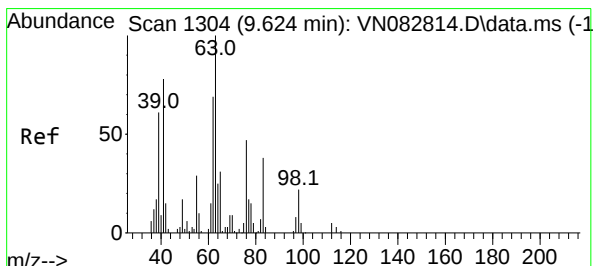
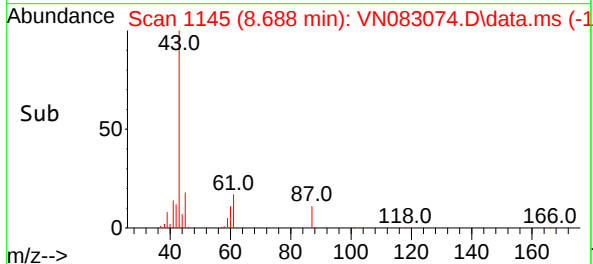
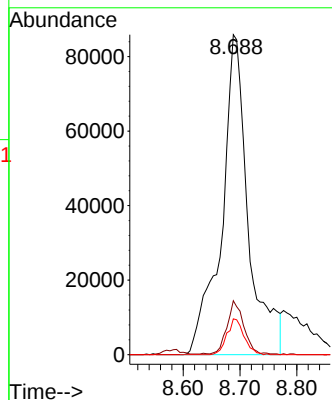
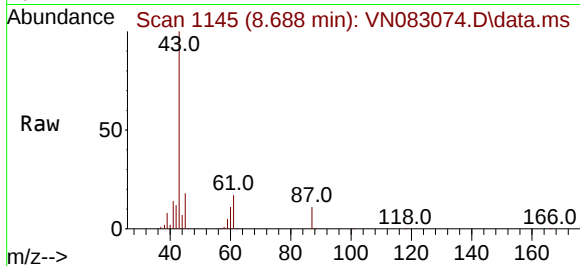




#43
Isopropyl Acetate
Concen: 58.767 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

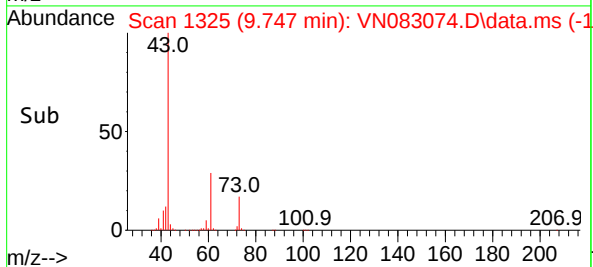
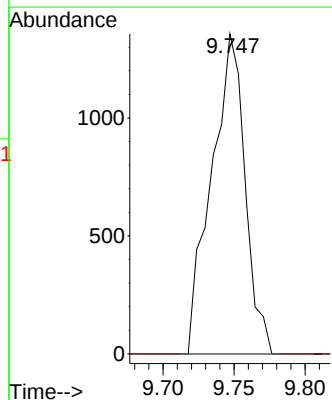
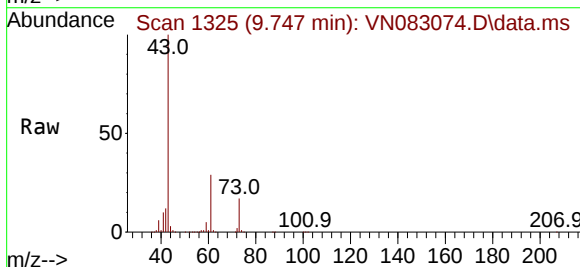
Instrument :
MSVOA_N
ClientSampleId :

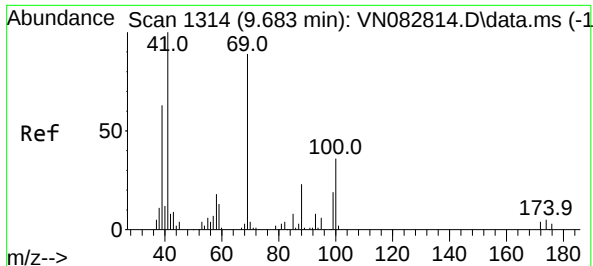
Tgt Ion: 43 Resp: 280718
Ion Ratio Lower Upper
43 100
61 10.9 17.8 26.6#
87 7.2 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 1.237 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

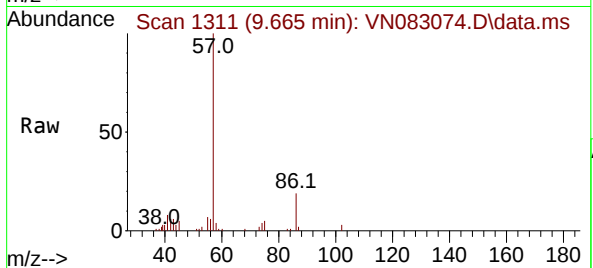
Tgt Ion: 63 Resp: 2231
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#



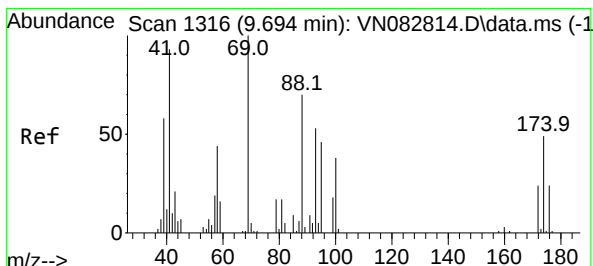
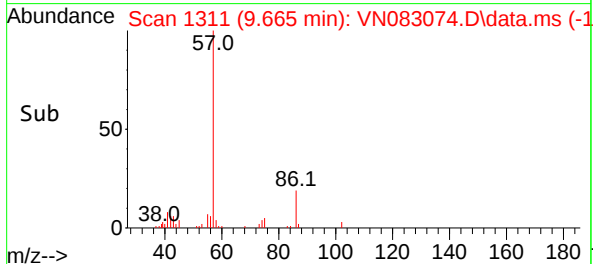
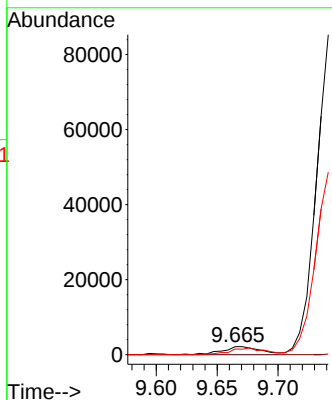


#48
Methyl methacrylate
Concen: 2.346 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

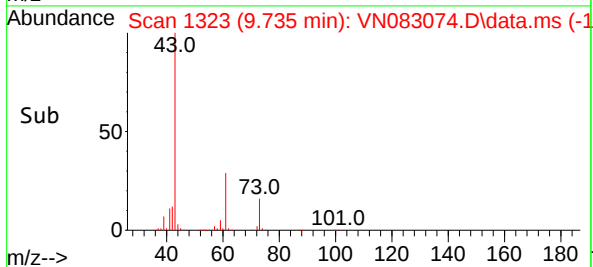
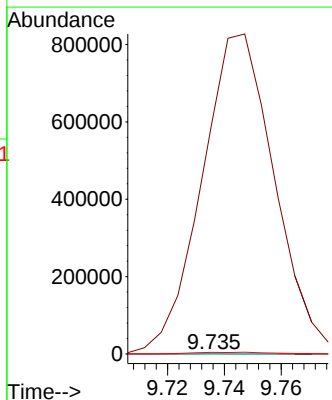
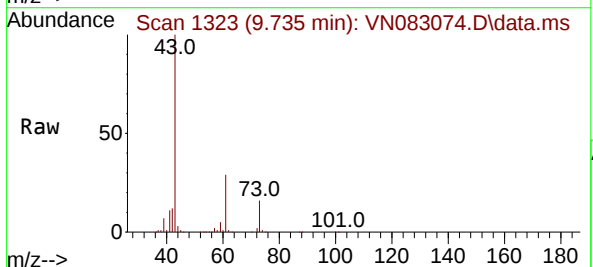


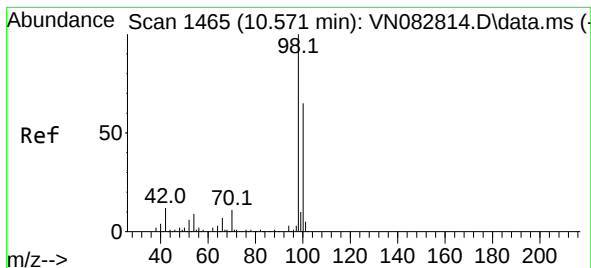
Tgt Ion: 41 Resp: 4702
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 75.2 50.3 75.5



#49
1,4-Dioxane
Concen: 4.187 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 936057.0 27.8 41.8#
58 5470.3 59.4 89.0#





#50

Toluene-d8

Concen: 59.131 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.001 min

Lab File: VN083074.D

Acq: 30 Jul 2024 17:51

Instrument :

MSVOA_N

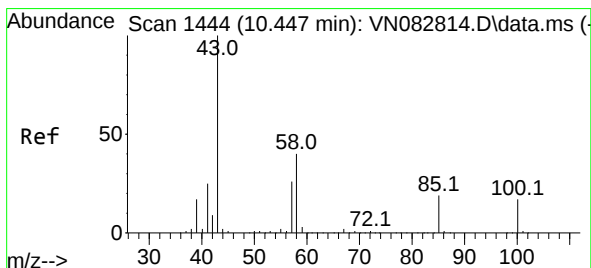
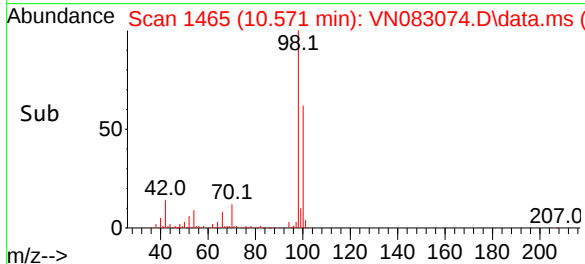
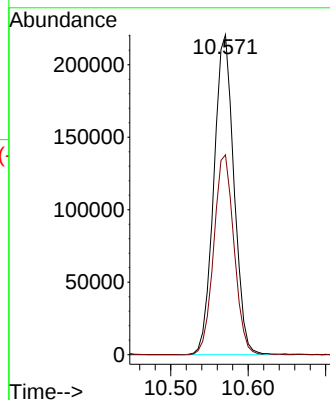
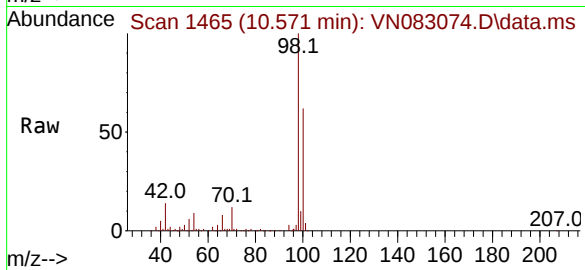
ClientSampleId :

Tgt Ion: 98 Resp: 397677

Ion Ratio Lower Upper

98 100

100 63.0 51.5 77.3



#51

4-Methyl-2-Pentanone

Concen: 4.552 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN083074.D

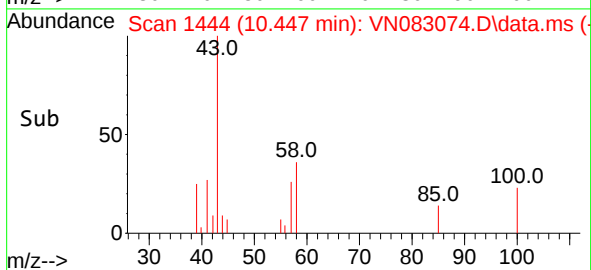
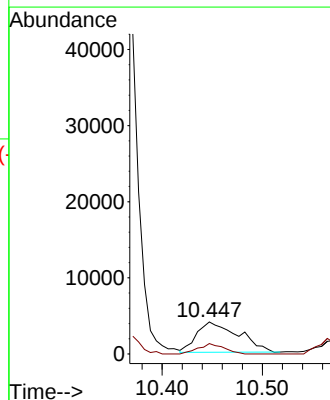
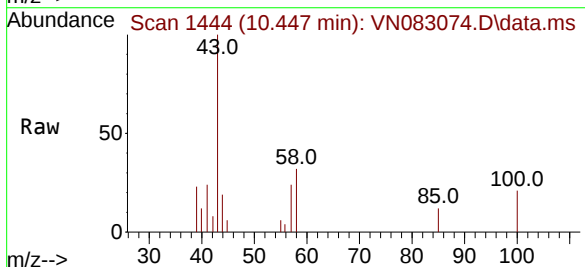
Acq: 30 Jul 2024 17:51

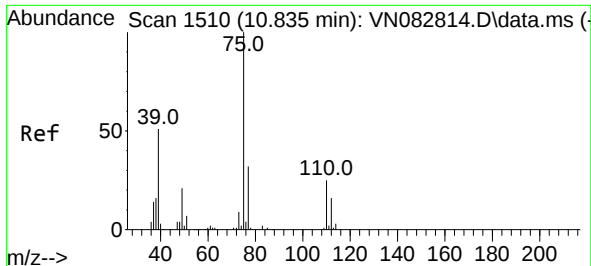
Tgt Ion: 43 Resp: 11534

Ion Ratio Lower Upper

43 100

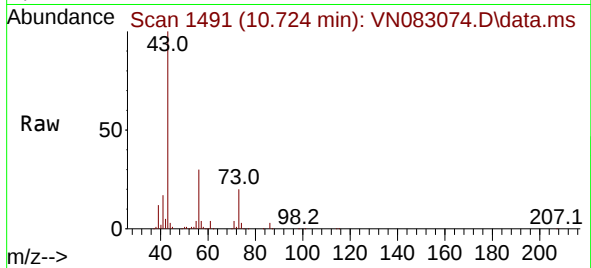
58 21.0 28.2 42.4#



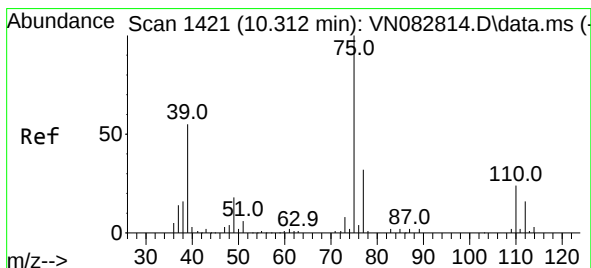
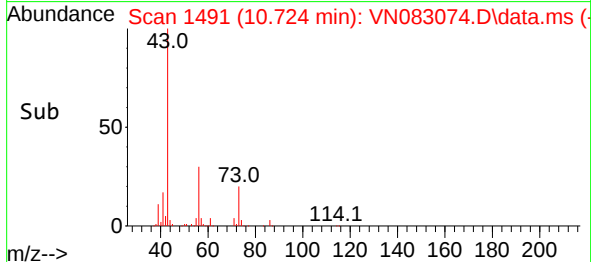
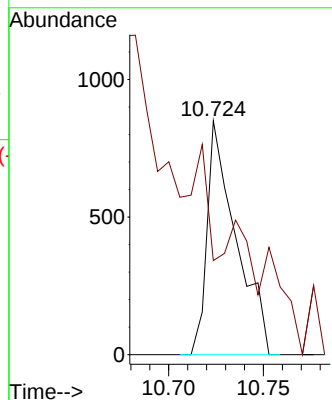


#53
t-1,3-Dichloropropene
Concen: 0.301 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.111 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

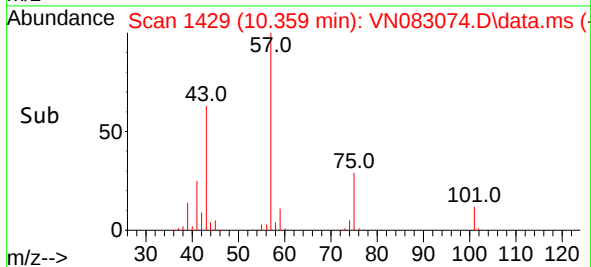
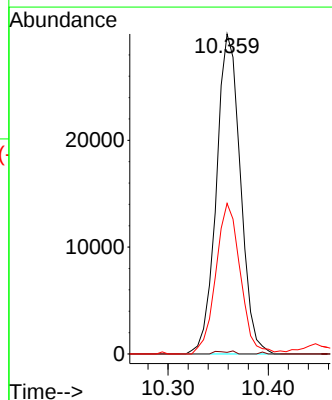
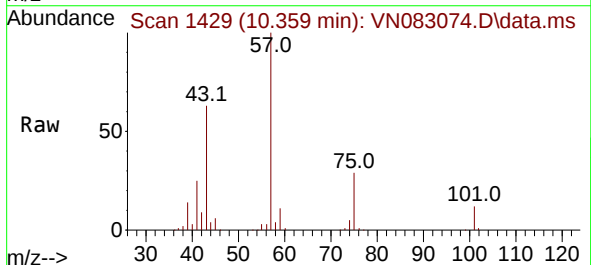


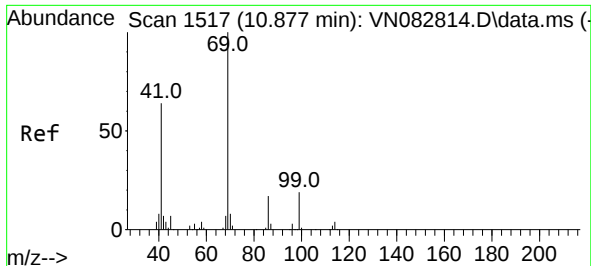
Tgt Ion: 75 Resp: 901
Ion Ratio Lower Upper
75 100
77 11.3 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 15.748 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 75 Resp: 49836
Ion Ratio Lower Upper
75 100
77 0.5 24.3 36.5#
39 47.1 50.5 75.7#

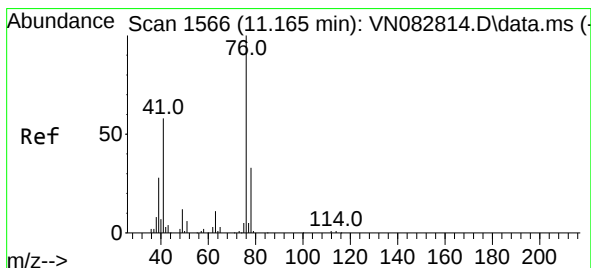
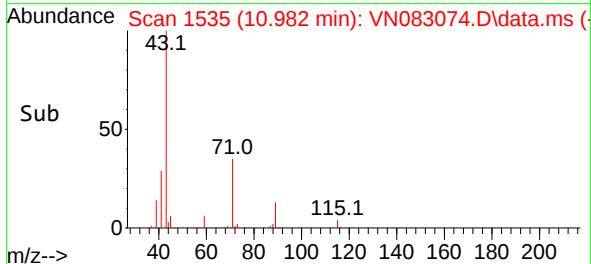
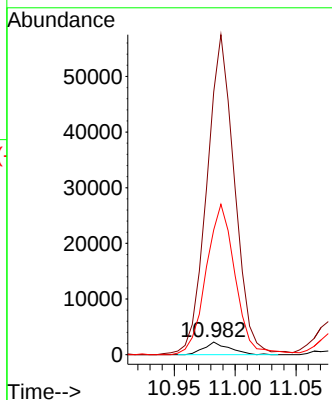
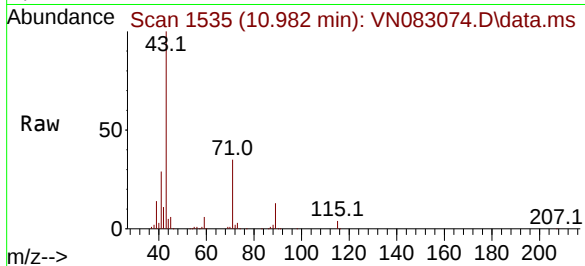




#56
Ethyl methacrylate
Concen: 1.190 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

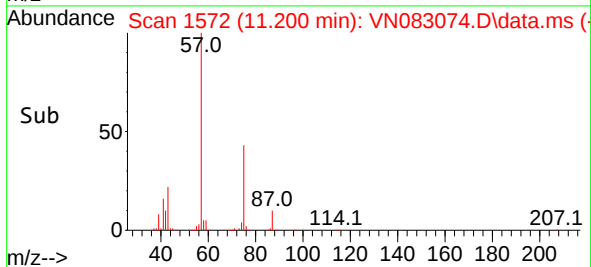
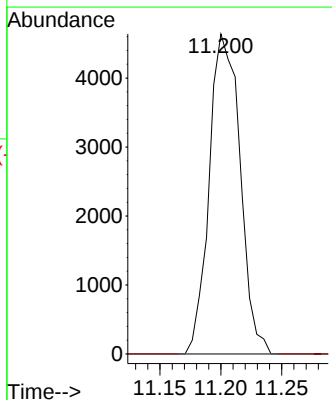
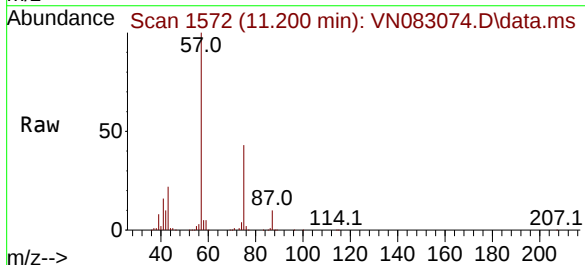
Instrument :
MSVOA_N
ClientSampleId :

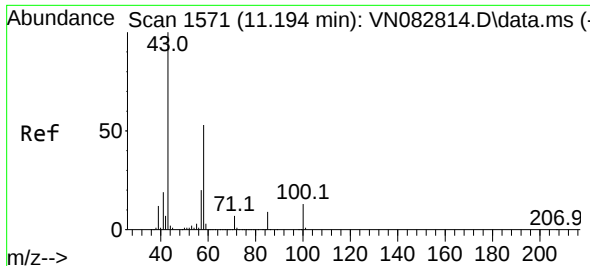
Tgt Ion: 69 Resp: 3283
Ion Ratio Lower Upper
69 100
41 2779.7 63.4 95.2#
39 1370.0 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 2.600 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 76 Resp: 8163
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#

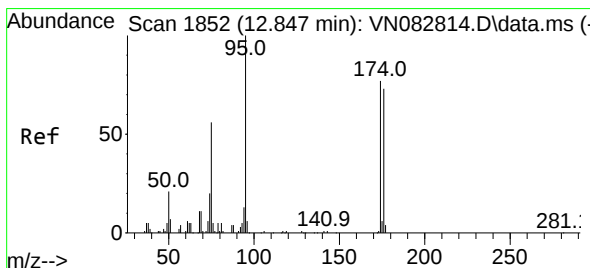
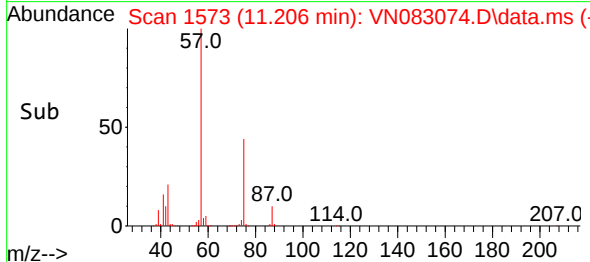
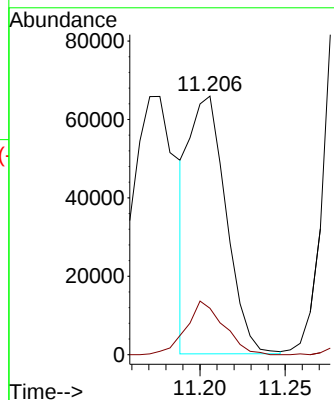
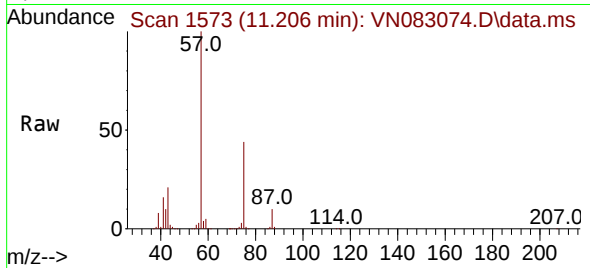




#59
2-Hexanone
Concen: 52.696 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

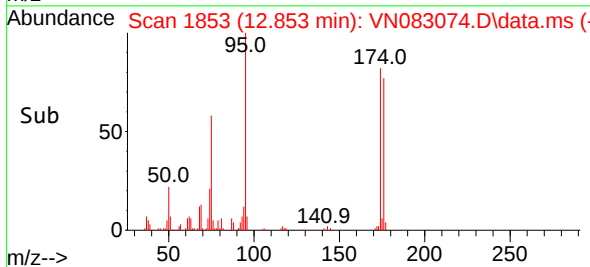
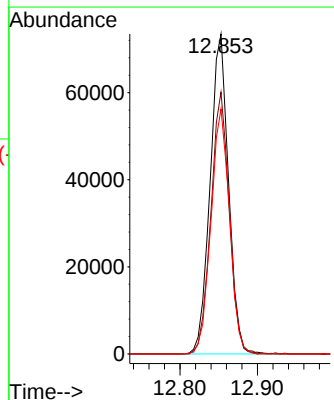
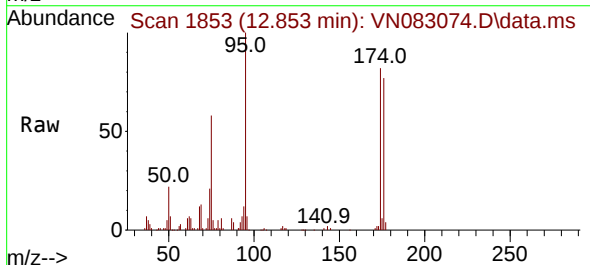
Instrument :
MSVOA_N
ClientSampleId :

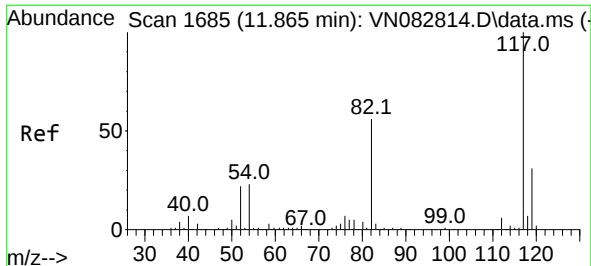
Tgt Ion: 43 Resp: 99275
Ion Ratio Lower Upper
43 100
58 21.2 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 50.036 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Tgt Ion: 95 Resp: 120878
Ion Ratio Lower Upper
95 100
174 81.7 0.0 159.2
176 77.4 0.0 147.6

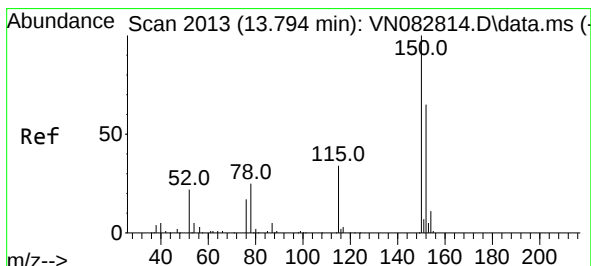
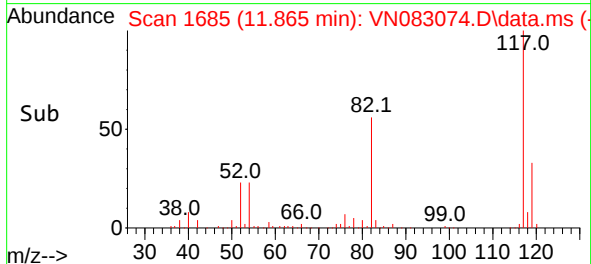
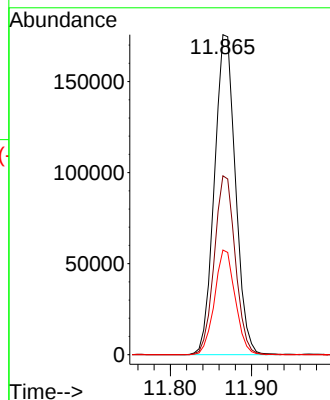
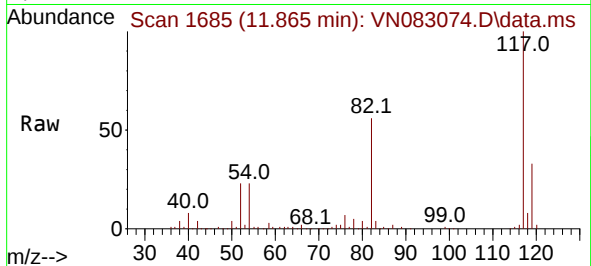




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

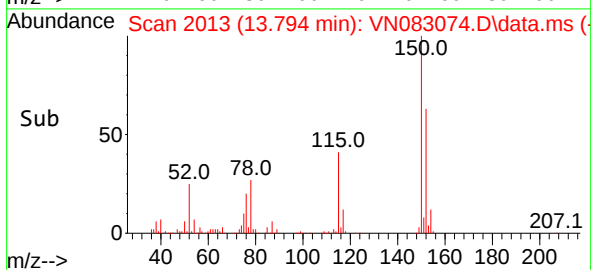
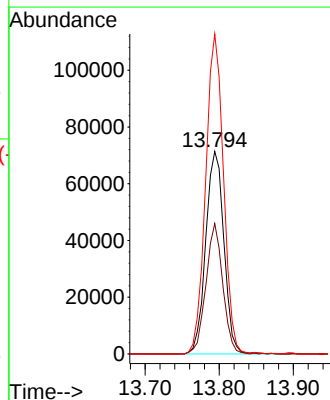
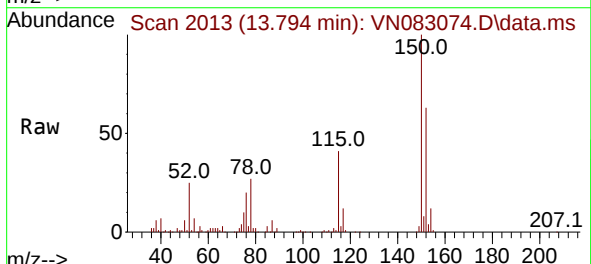
Instrument :
MSVOA_N
ClientSampleId :

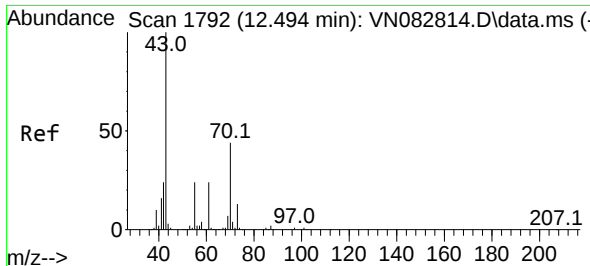
Tgt Ion:117 Resp: 316494
Ion Ratio Lower Upper
117 100
82 55.9 47.5 71.3
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

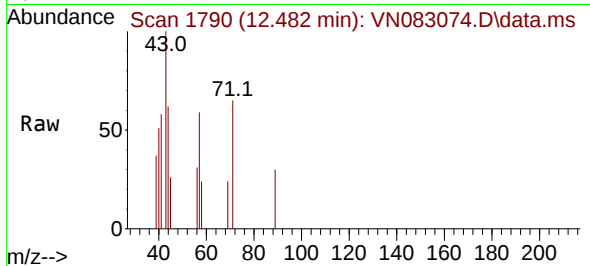
Tgt Ion:152 Resp: 121705
Ion Ratio Lower Upper
152 100
115 59.6 30.6 91.6
150 154.8 0.0 348.6



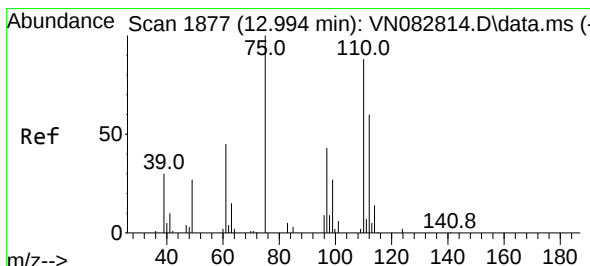
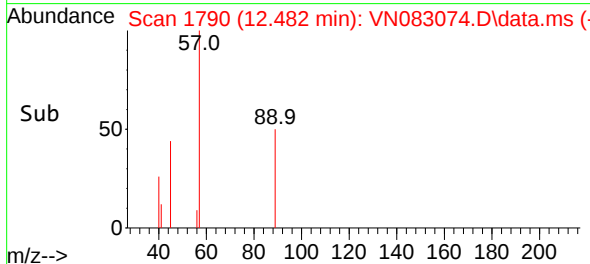
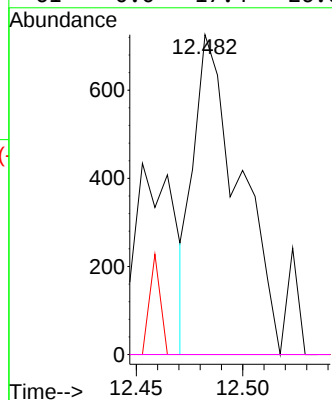


#74
N-amy1 acetate
Concen: 0.298 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

Instrument :
MSVOA_N
ClientSampleId :

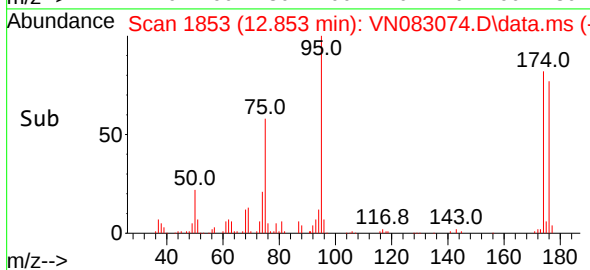
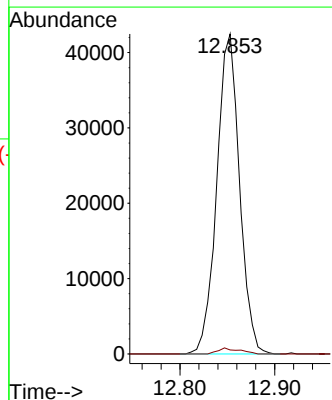
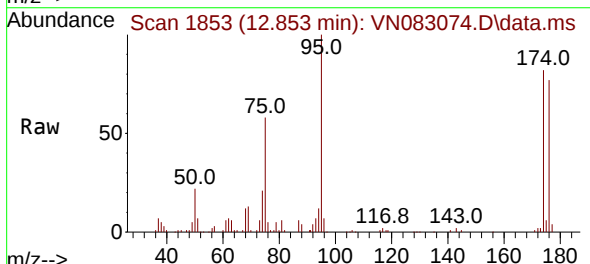


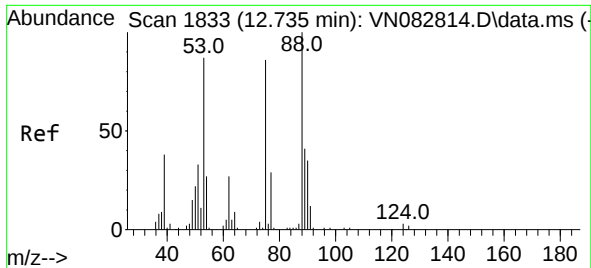
Tgt Ion: 43	Resp: 1090
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	0.0 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 33.755 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN083074.D
Acq: 30 Jul 2024 17:51

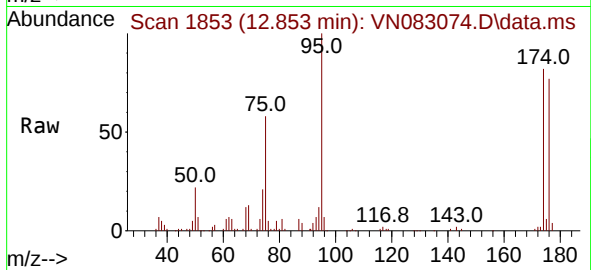
Tgt Ion: 75	Resp: 70826
Ion Ratio	Lower Upper
75	100
77	1.8 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.385 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083074.D
 Acq: 30 Jul 2024 17:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 70826
 Ion Ratio Lower Upper
 75 100
 53 0.4 88.4 132.6#
 89 0.0 36.3 54.5#

