

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
 Data File : VN083075.D
 Acq On : 30 Jul 2024 18:15
 Operator : JC\MD
 Sample : PB162324ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 31 06:06:20 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)

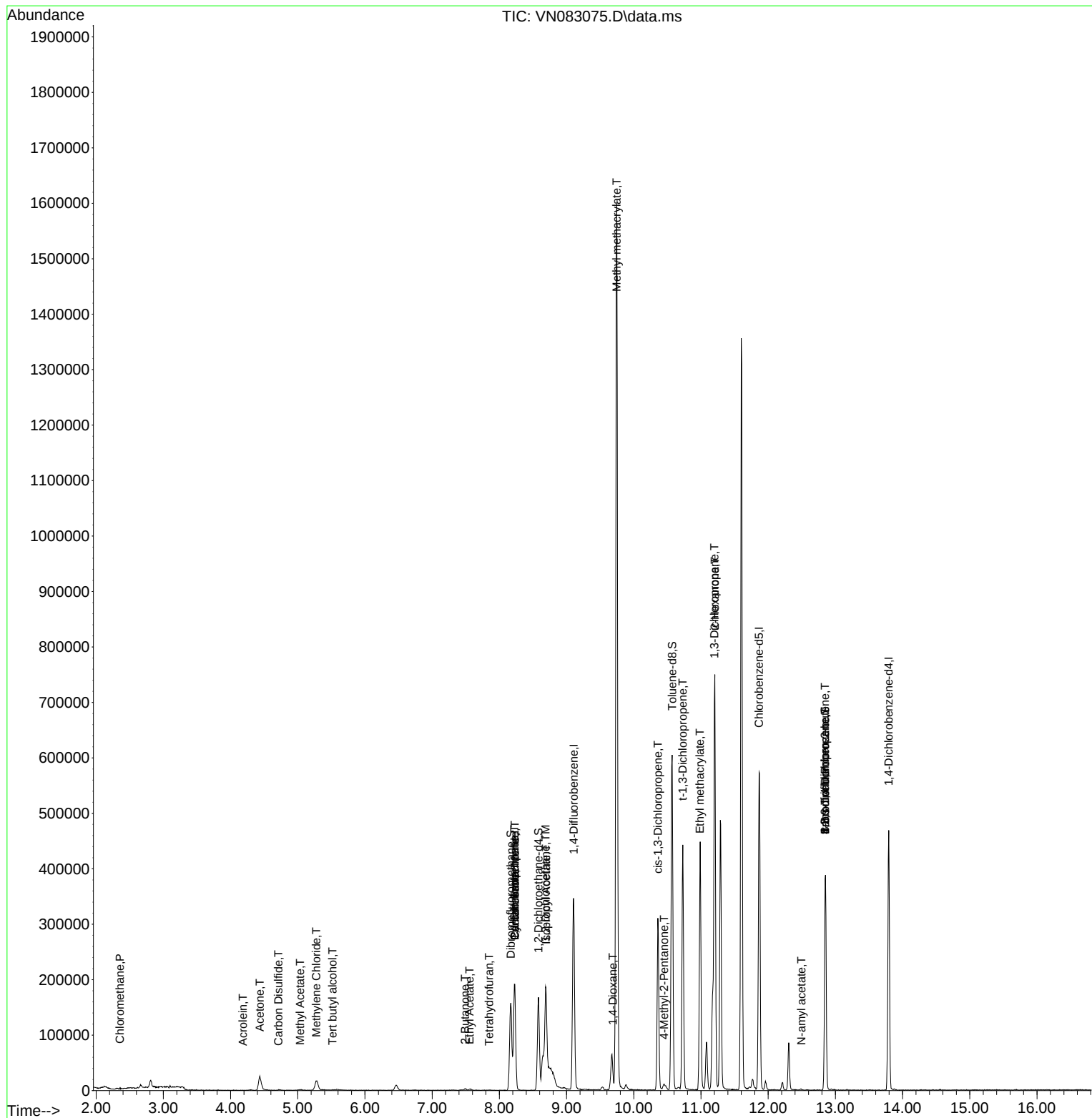
Internal Standards						
1) Pentafluorobenzene	8.229	168	132536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	327646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120289	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133103	71.642	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 143.280%#			
35) Dibromofluoromethane	8.171	113	113103	60.821	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 121.640%			
50) Toluene-d8	10.570	98	407982	59.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 118.800%#			
62) 4-Bromofluorobenzene	12.847	95	120865	48.988	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.980%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	461	0.283	ug/l #	43
11) Tert butyl alcohol	5.518	59	196	0.627	ug/l #	71
13) Acrolein	4.183	56	92	0.408	ug/l #	14
16) Acetone	4.436	43	47445	72.533	ug/l	98
17) Carbon Disulfide	4.712	76	913	0.226	ug/l #	75
18) Methyl Acetate	5.036	43	3136	1.812	ug/l #	67
20) Methylene Chloride	5.277	84	13928	8.817	ug/l #	73
25) 2-Butanone	7.488	43	4426	4.481	ug/l	98
29) Tetrahydrofuran	7.847	42	357	0.574	ug/l #	38
31) Cyclohexane	8.229	56	3807	1.567	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	12206	4.761	ug/l #	50
37) Ethyl Acetate	7.559	43	4119	1.578	ug/l #	85
38) Carbon Tetrachloride	8.229	117	15095	4.890	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	1079	0.380	ug/l #	78
43) Isopropyl Acetate	8.694	43	275100	56.264	ug/l #	82
48) Methyl methacrylate	9.747	41	154524	75.496	ug/l #	54
49) 1,4-Dioxane	9.688	88	70	2.185	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	11783	4.553	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	1384	0.453	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	48892	15.128	ug/l #	70
56) Ethyl methacrylate	10.982	69	3201	1.136	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	7686	2.397	ug/l #	43
59) 2-Hexanone	11.206	43	102052	53.042	ug/l #	58
71) Bromoform	12.847	173	1012	0.515	ug/l #	1
74) N-amyl acetate	12.494	43	1583	0.438	ug/l #	48
76) 1,2,3-Trichloropropane	12.847	75	70757	34.119	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70757	67.101	ug/l #	6

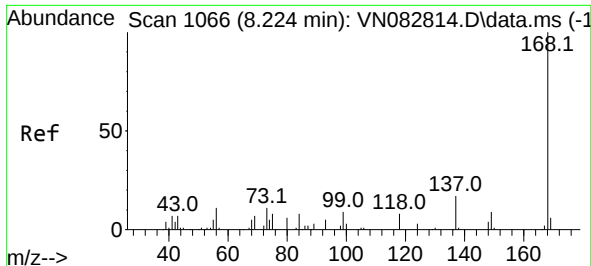
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN073024\
Data File : VN083075.D
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Sample : PB162324ZHE#05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

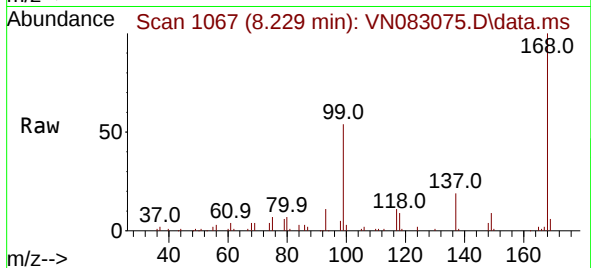
Quant Time: Jul 31 06:06:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration



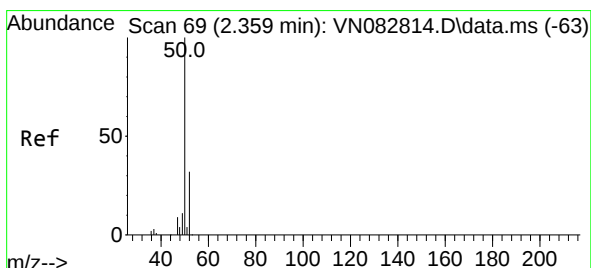
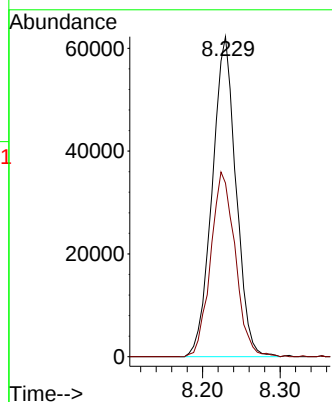
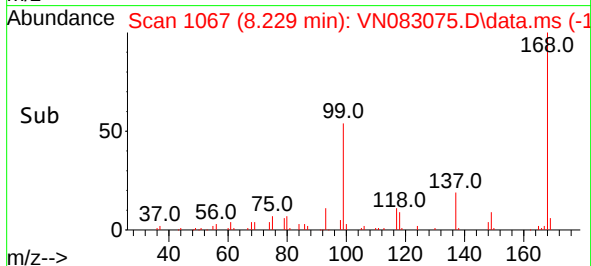


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

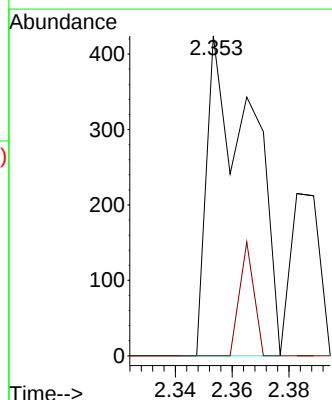
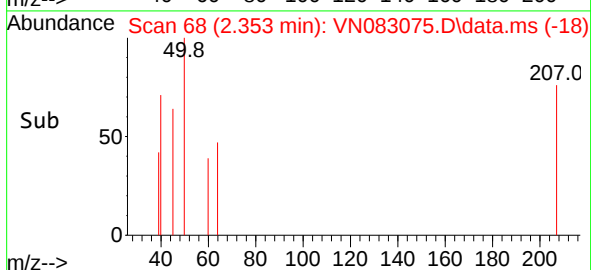
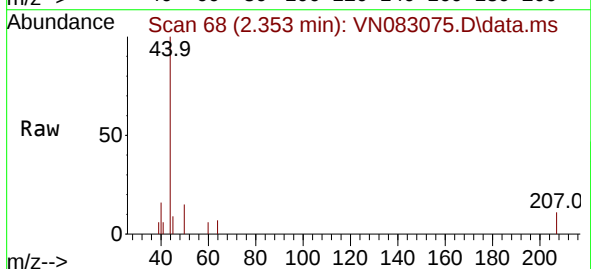


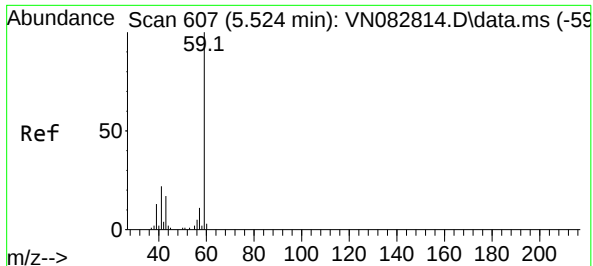
Tgt Ion:168 Resp: 132536
Ion Ratio Lower Upper
168 100
99 54.2 48.2 72.4



#3
Chloromethane
Concen: 0.283 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

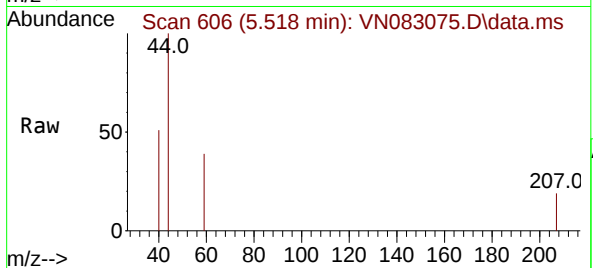
Tgt Ion: 50 Resp: 461
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



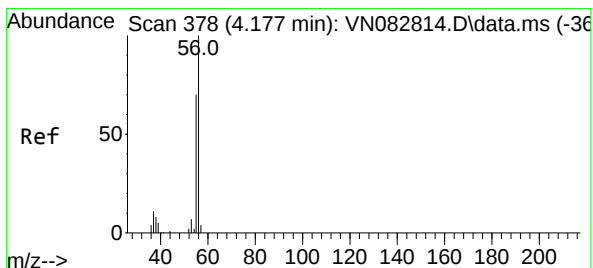
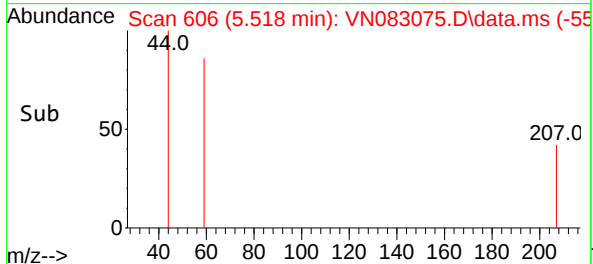
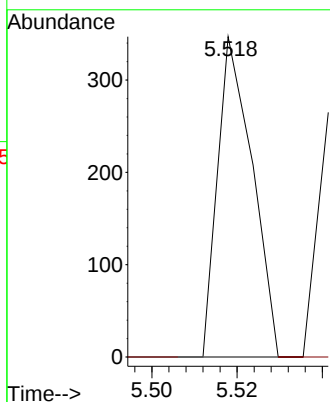


#11
Tert butyl alcohol
Concen: 0.627 ug/l
RT: 5.518 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

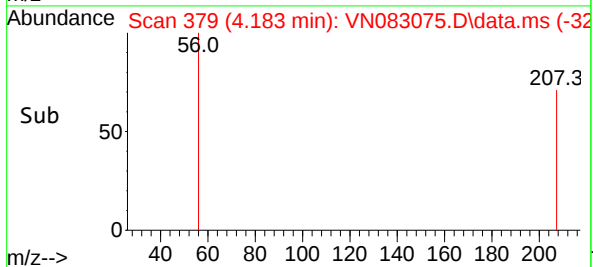
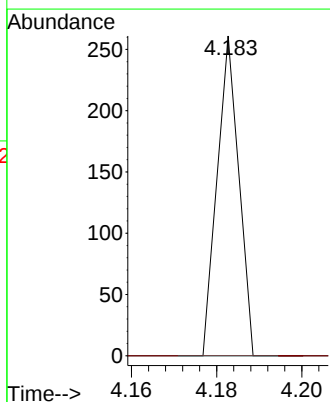
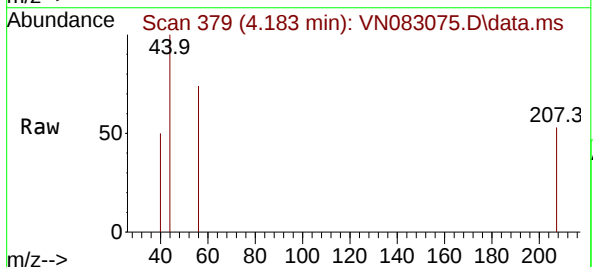


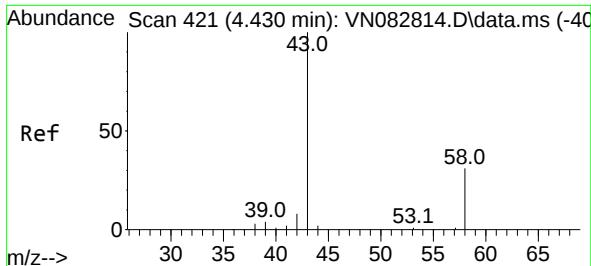
Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 0.408 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

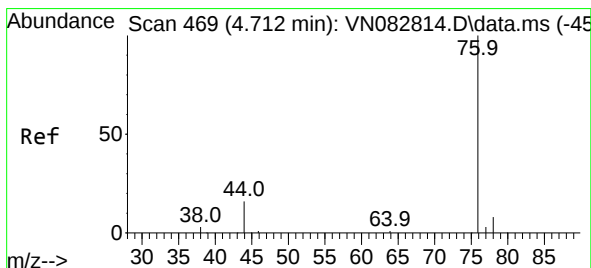
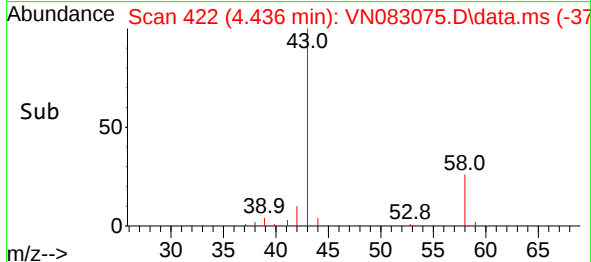
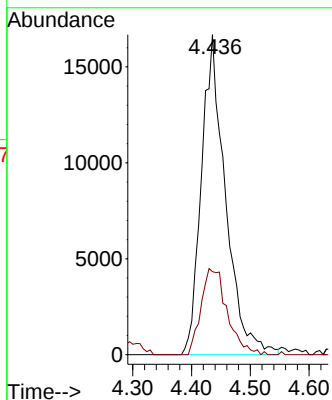
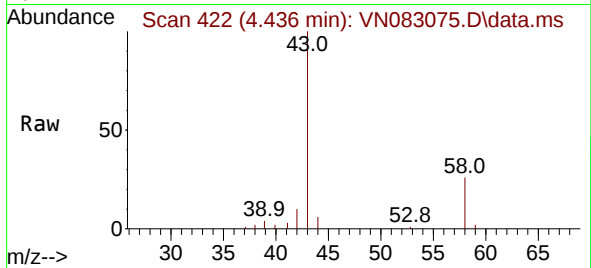




#16
 Acetone
 Concen: 72.533 ug/l
 RT: 4.436 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VN083075.D
 Acq: 30 Jul 2024 18:15

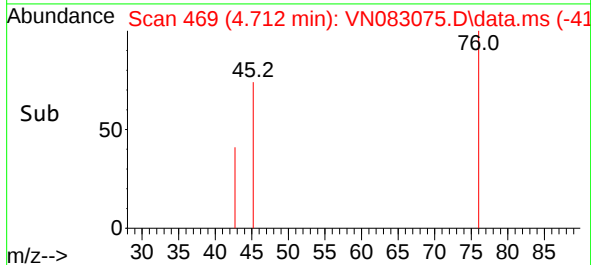
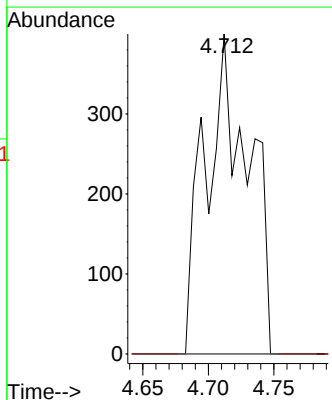
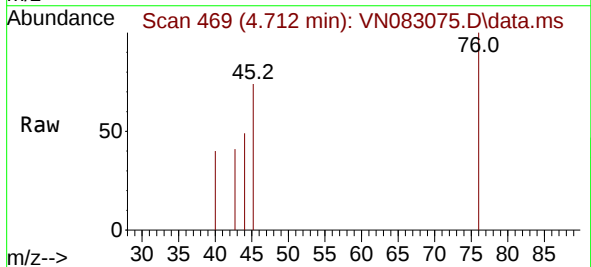
Instrument :
 MSVOA_N
 ClientSampleId :

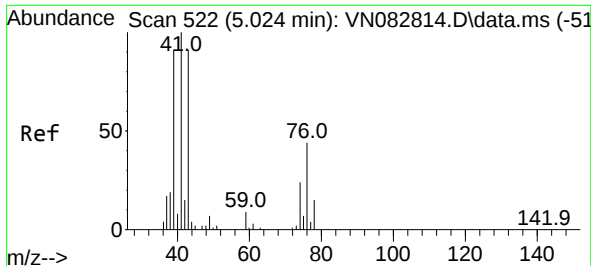
Tgt Ion: 43 Resp: 47445
 Ion Ratio Lower Upper
 43 100
 58 25.9 21.8 32.6



#17
 Carbon Disulfide
 Concen: 0.226 ug/l
 RT: 4.712 min Scan# 469
 Delta R.T. 0.000 min
 Lab File: VN083075.D
 Acq: 30 Jul 2024 18:15

Tgt Ion: 76 Resp: 913
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.2 10.8#

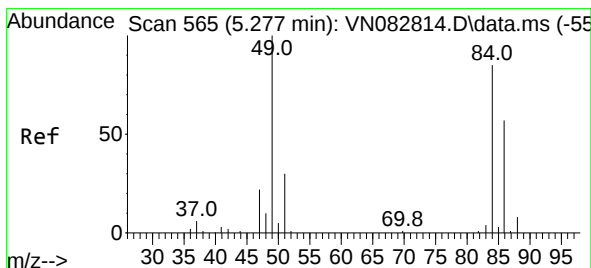
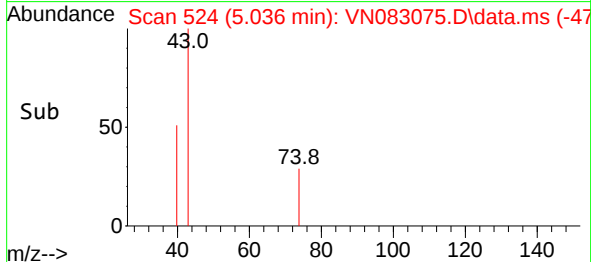
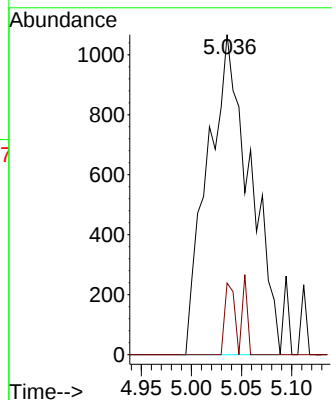
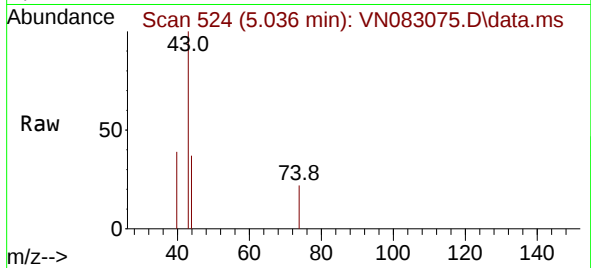




#18
Methyl Acetate
Concen: 1.812 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

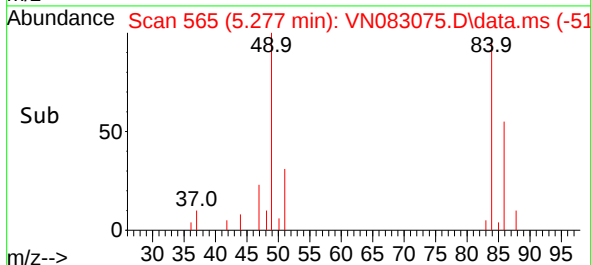
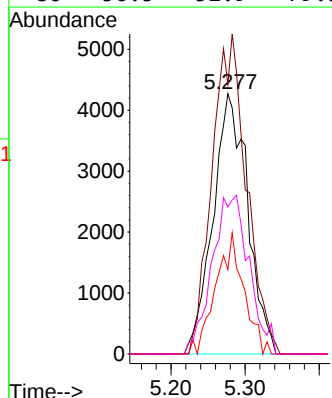
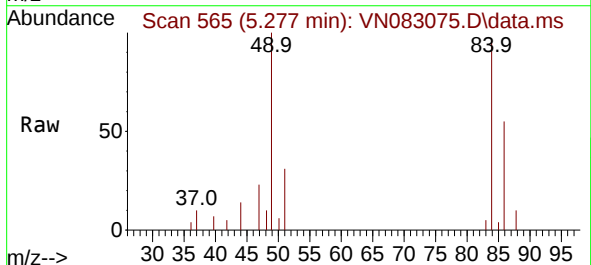
Instrument :
MSVOA_N
ClientSampleId :

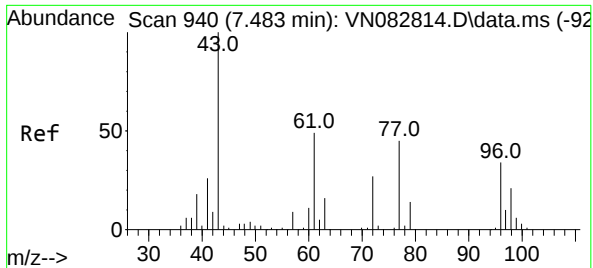
Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
74 5.0 16.3 24.5#



#20
Methylene Chloride
Concen: 8.817 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Tgt Ion: 84 Resp: 13928
Ion Ratio Lower Upper
84 100
49 103.7 119.6 179.4#
51 32.4 34.8 52.2#
86 56.5 52.9 79.3

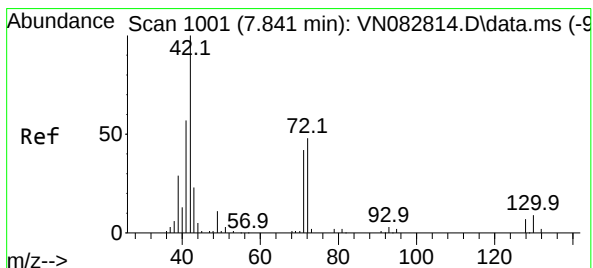
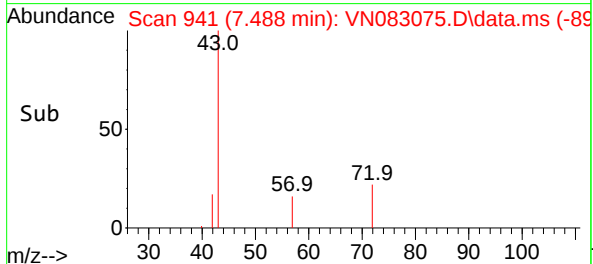
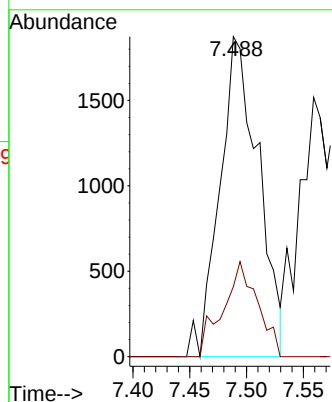
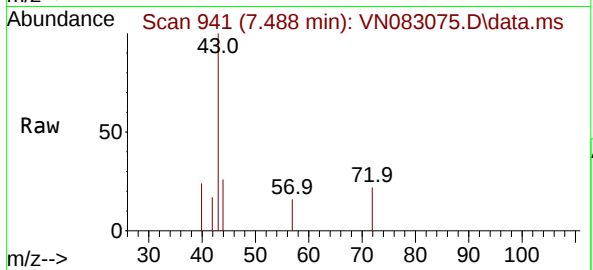




#25
2-Butanone
Concen: 4.481 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

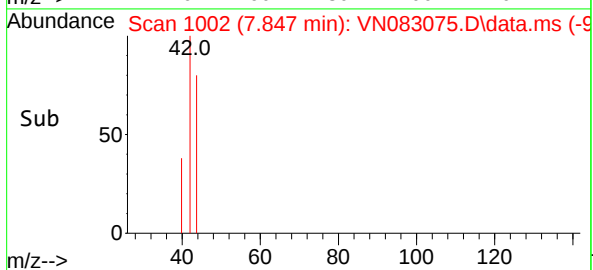
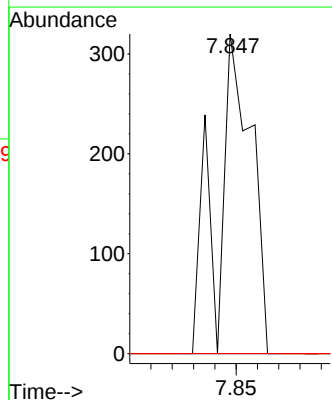
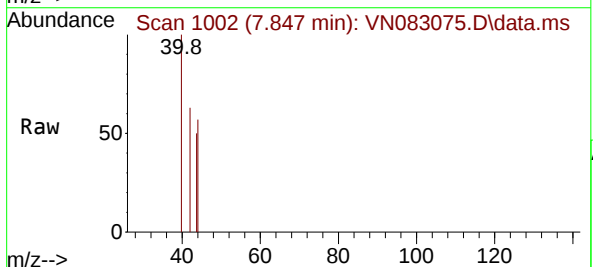
Instrument :
MSVOA_N
ClientSampleId :

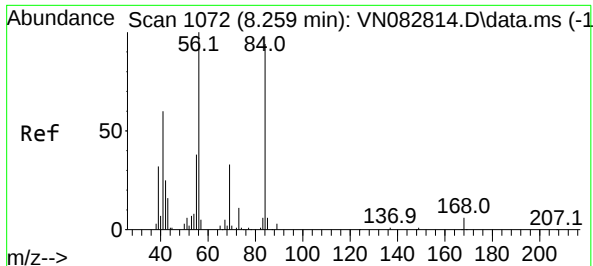
Tgt Ion: 43 Resp: 4426
Ion Ratio Lower Upper
43 100
72 21.8 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.574 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

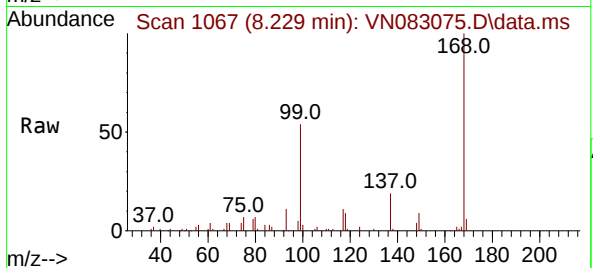
Tgt Ion: 42 Resp: 357
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



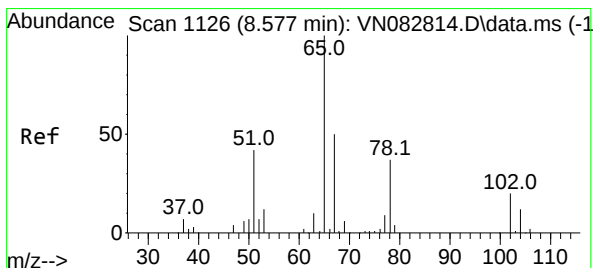
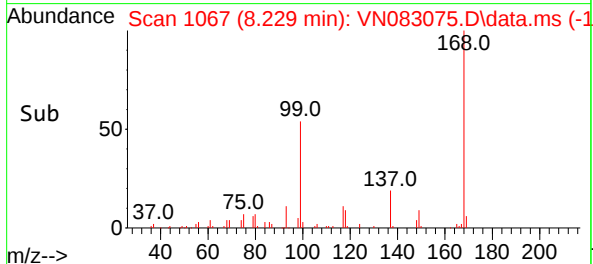
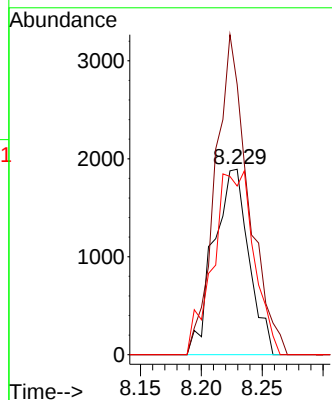


#31
Cyclohexane
Concen: 1.567 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Instrument :
MSVOA_N
ClientSampled :

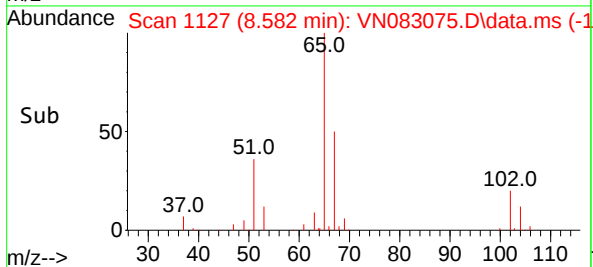
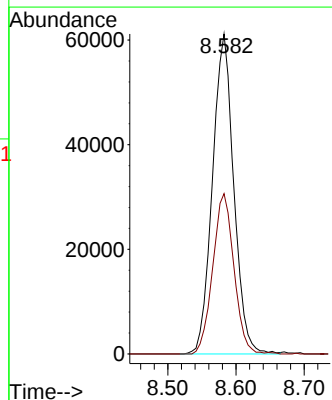
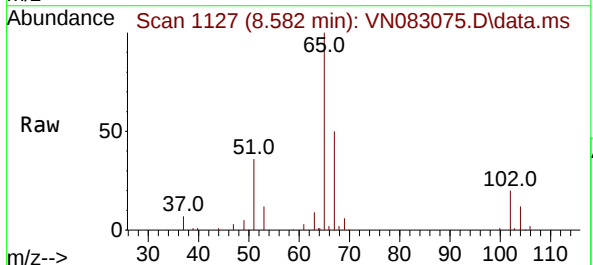


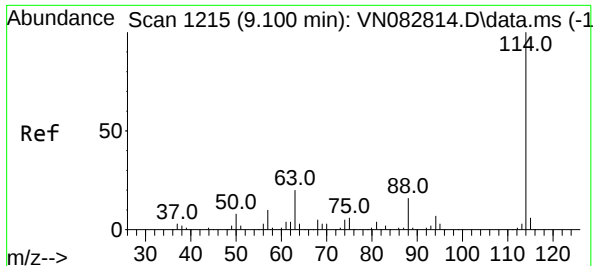
Tgt Ion: 56 Resp: 3807
Ion Ratio Lower Upper
56 100
69 145.7 24.5 36.7#
84 91.0 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 71.642 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Tgt Ion: 65 Resp: 133103
Ion Ratio Lower Upper
65 100
67 49.8 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: VN083075.D

Acq: 30 Jul 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

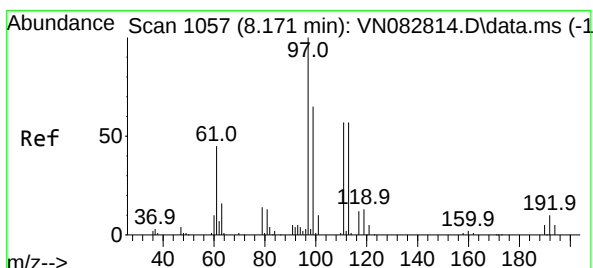
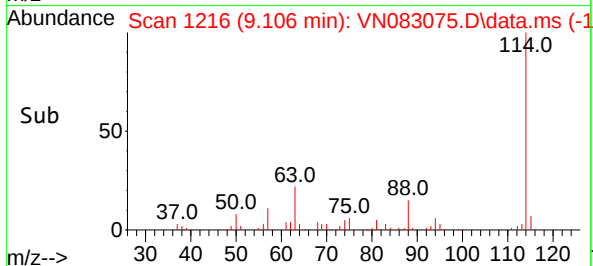
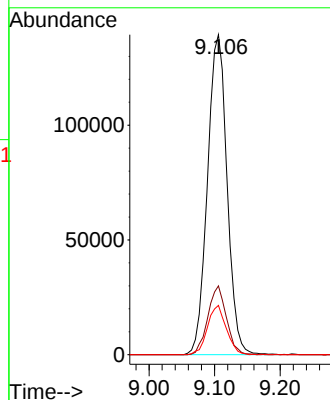
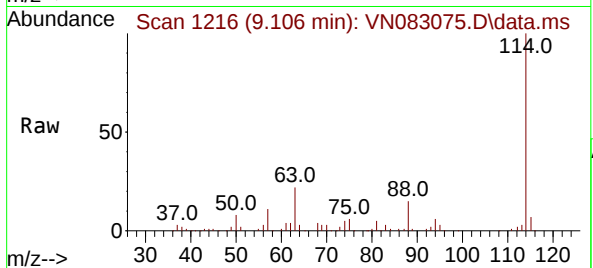
Tgt Ion:114 Resp: 289807

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 15.4 0.0 31.4



#35

Dibromofluoromethane

Concen: 60.821 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

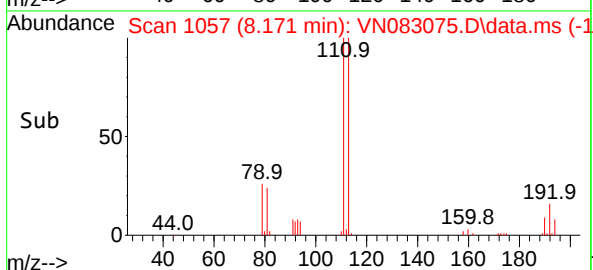
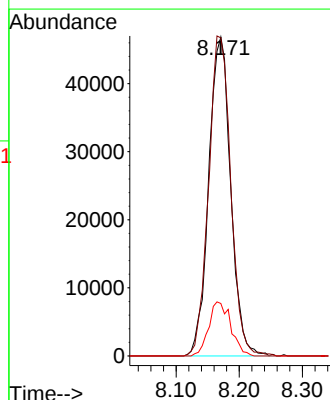
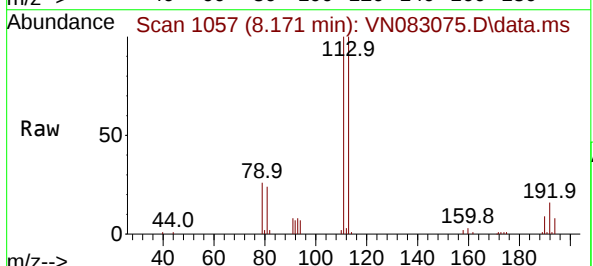
Tgt Ion:113 Resp: 113103

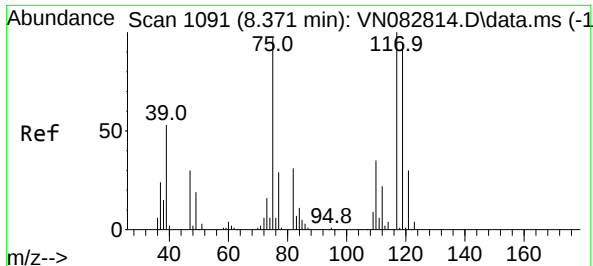
Ion Ratio Lower Upper

113 100

111 101.2 82.4 123.6

192 17.1 14.9 22.3





#36

1,1-Dichloropropene

Concen: 4.761 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

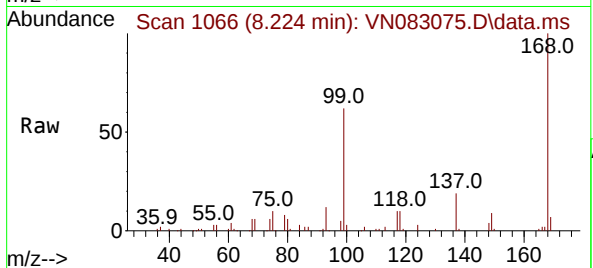
Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

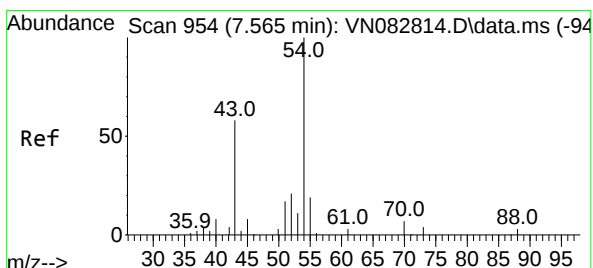
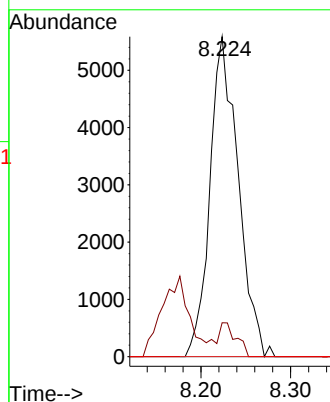
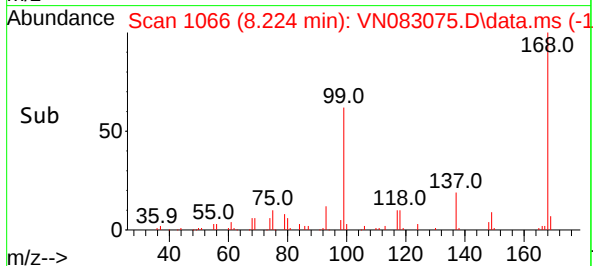
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 12206
Ion Ratio	Lower Upper
75 100	
110 7.5	16.3 48.9#
77 0.0	24.6 37.0#



#37

Ethyl Acetate

Concen: 1.578 ug/l

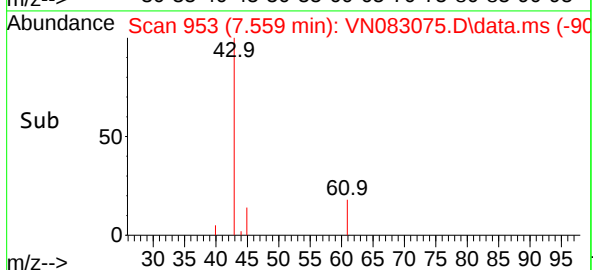
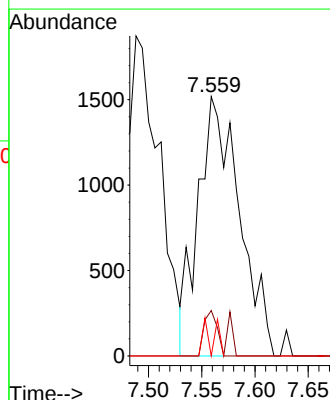
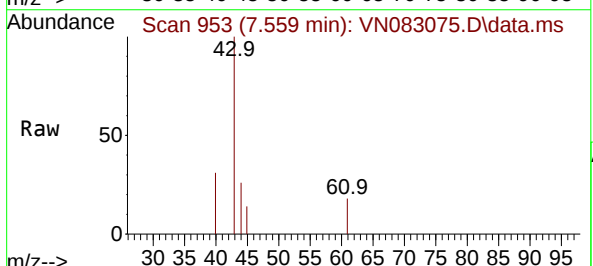
RT: 7.559 min Scan# 953

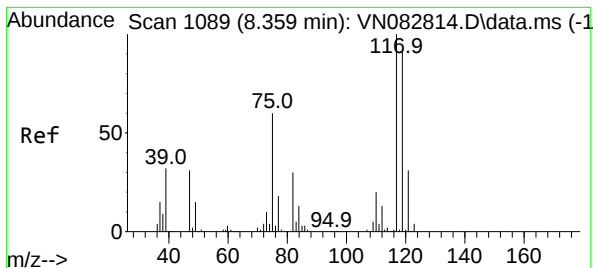
Delta R.T. -0.006 min

Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

Tgt Ion: 43	Resp: 4119
Ion Ratio	Lower Upper
43 100	
61 5.5	9.3 13.9#
70 3.8	7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.890 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.136 min

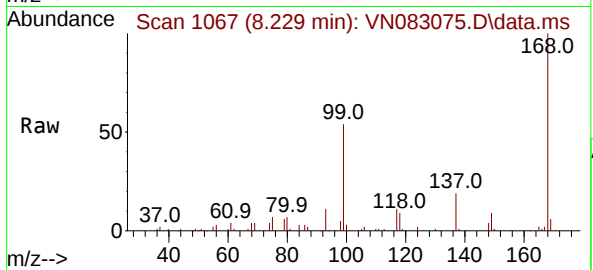
Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :



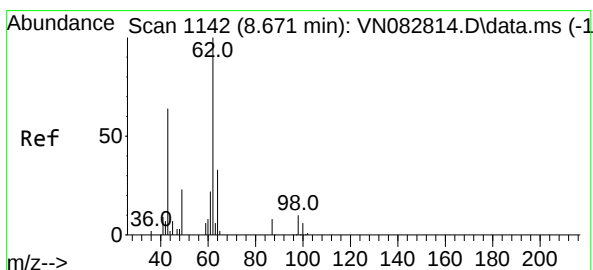
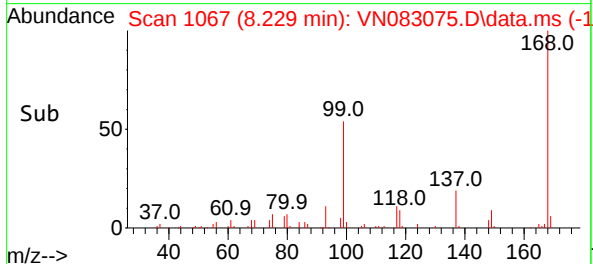
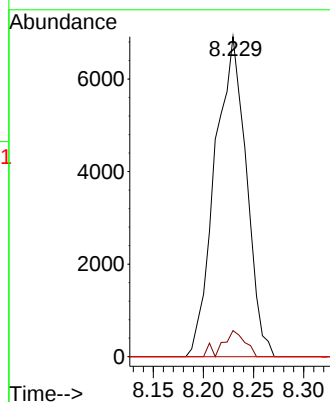
Tgt Ion:117 Resp: 15095

Ion Ratio Lower Upper

117 100

119 8.1 74.9 112.3#

121 0.0 24.3 36.5#



#42

1,2-Dichloroethane

Concen: 0.380 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN083075.D

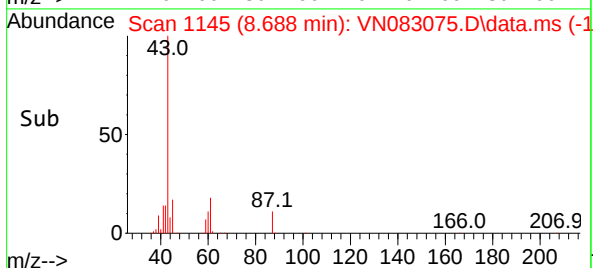
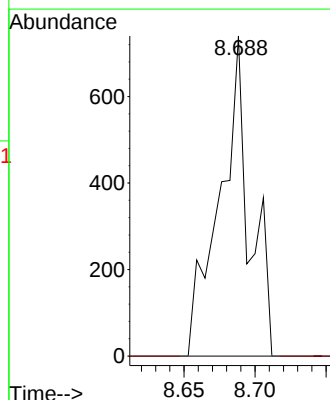
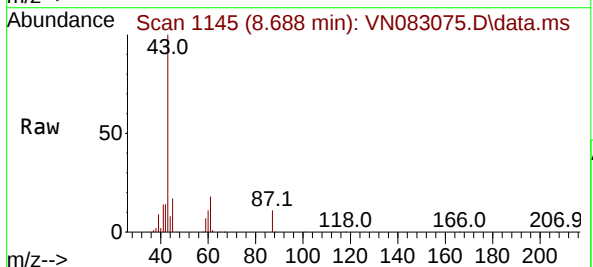
Acq: 30 Jul 2024 18:15

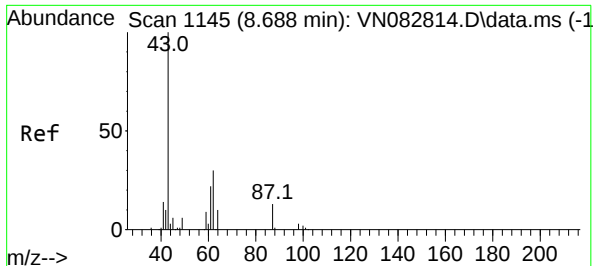
Tgt Ion: 62 Resp: 1079

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 56.264 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN083075.D

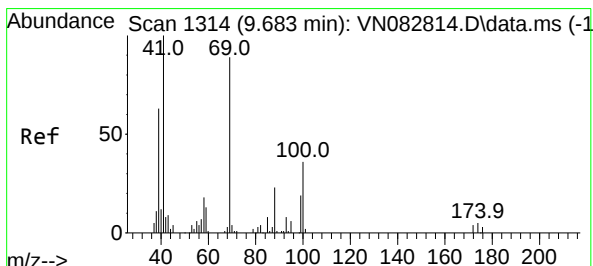
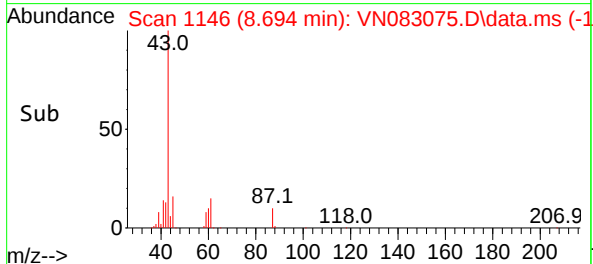
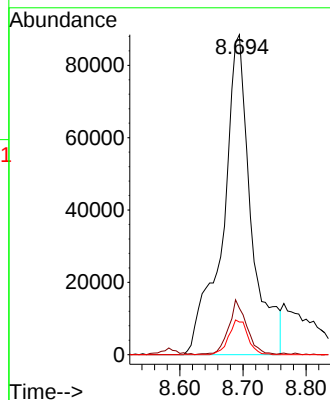
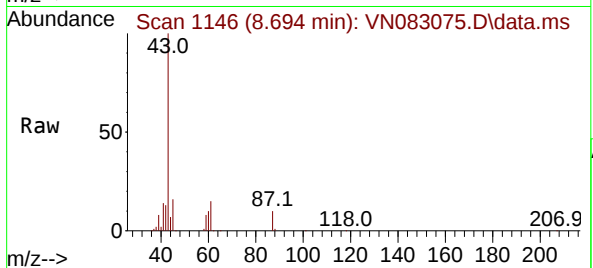
Acq: 30 Jul 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	275100
Ion	Ratio	Lower	Upper
43	100		
61	11.0	17.8	26.6#
87	7.3	8.2	12.2#



#48

Methyl methacrylate

Concen: 75.496 ug/l

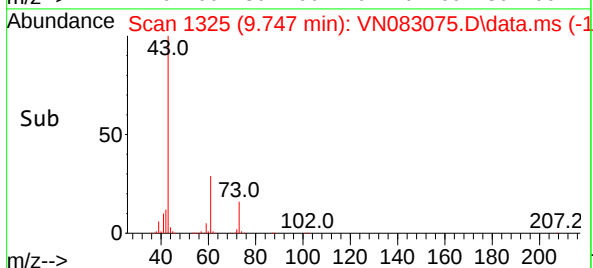
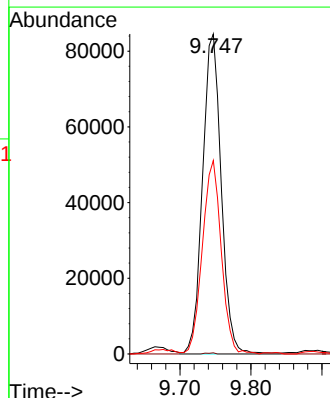
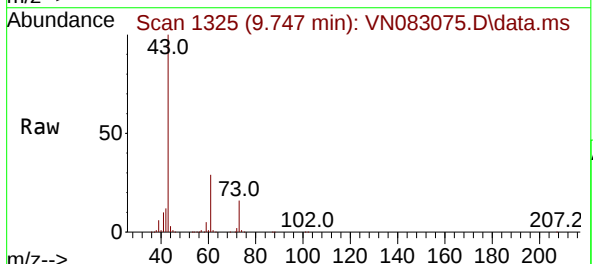
RT: 9.747 min Scan# 1325

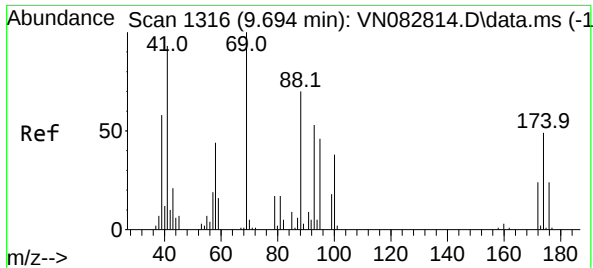
Delta R.T. 0.065 min

Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

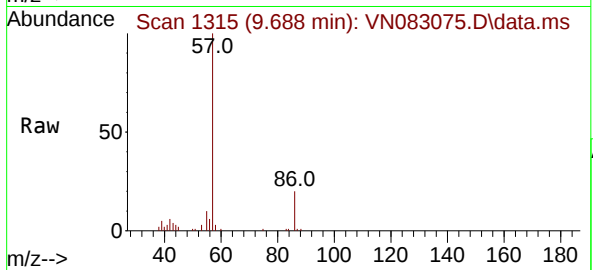
Tgt Ion:	41	Resp:	154524
Ion	Ratio	Lower	Upper
41	100		
69	0.2	56.3	84.5#
39	61.1	50.3	75.5



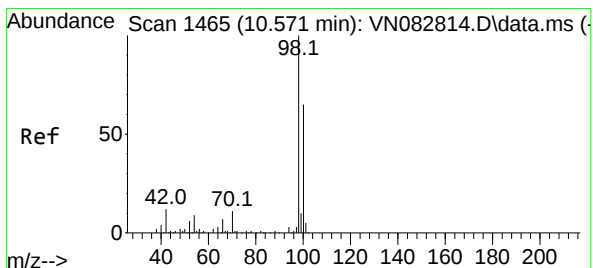
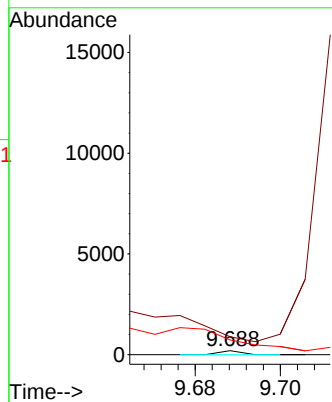
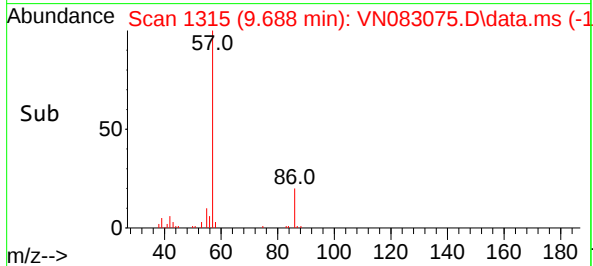


#49
1,4-Dioxane
Concen: 2.185 ug/l
RT: 9.688 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

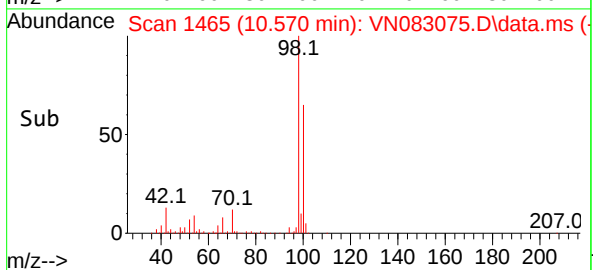
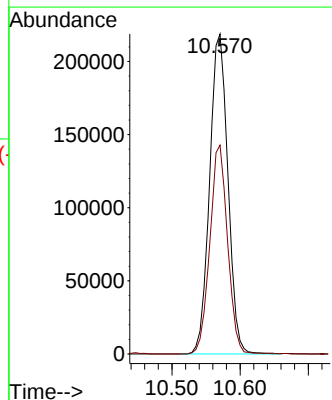
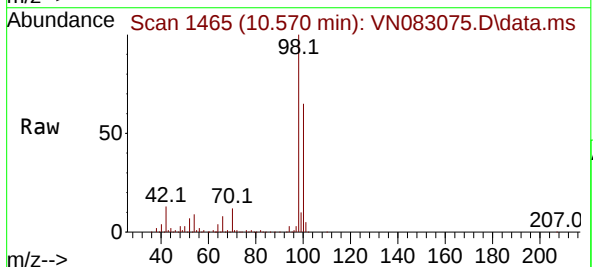


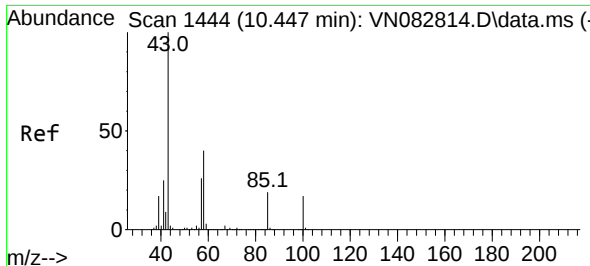
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 4548.6 59.4 89.0#



#50
Toluene-d8
Concen: 59.399 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Tgt Ion: 98 Resp: 407982
Ion Ratio Lower Upper
98 100
100 63.3 51.5 77.3

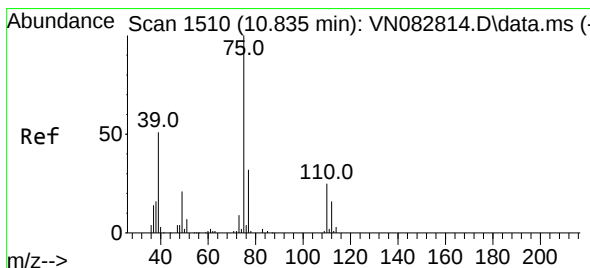
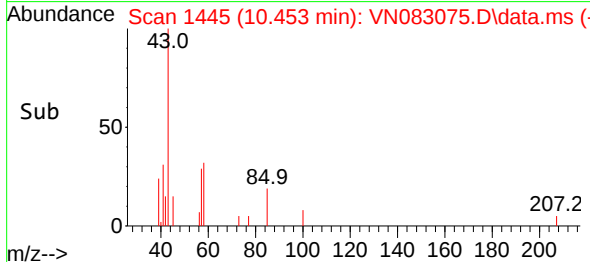
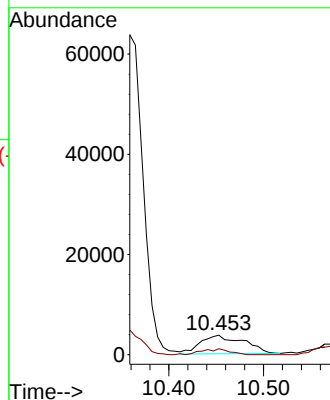
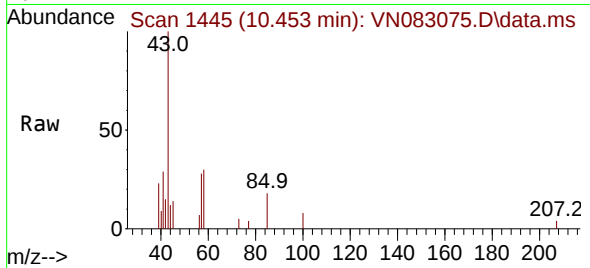




#51
4-Methyl-2-Pentanone
Concen: 4.553 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

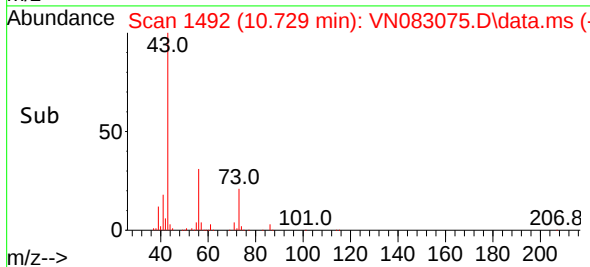
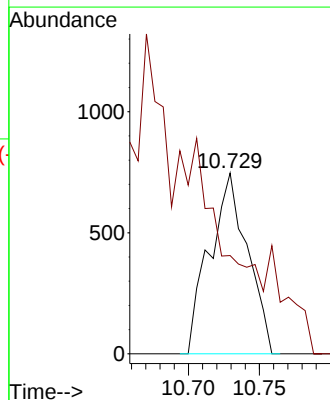
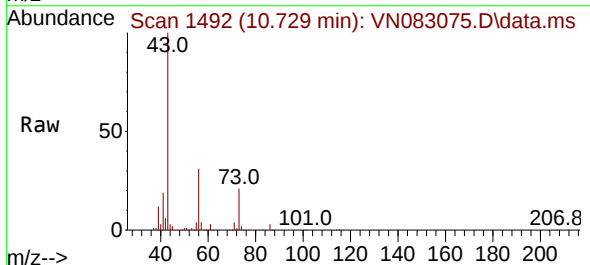
Instrument :
MSVOA_N
ClientSampleId :

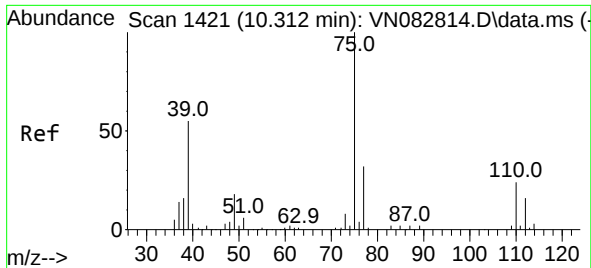
Tgt Ion: 43 Resp: 11783
Ion Ratio Lower Upper
43 100
58 20.4 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.453 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Tgt Ion: 75 Resp: 1384
Ion Ratio Lower Upper
75 100
77 25.8 25.7 38.5

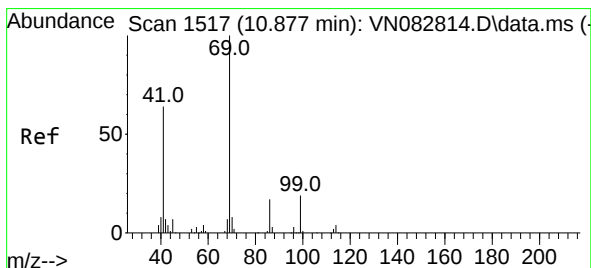
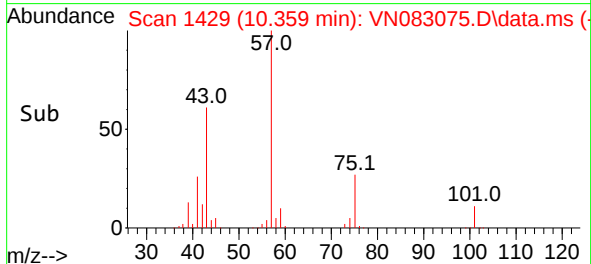
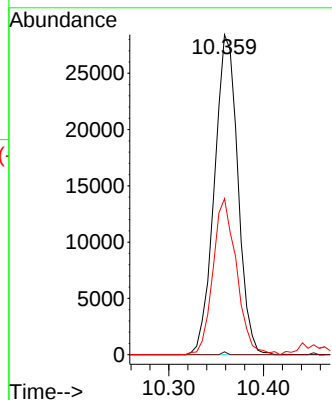
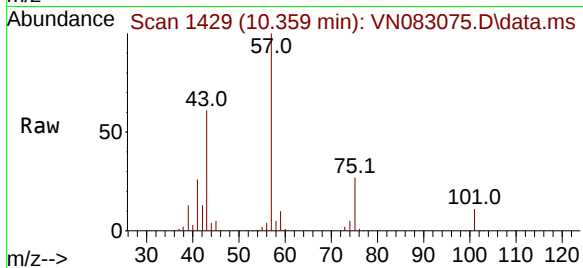




#54
 cis-1,3-Dichloropropene
 Concen: 15.128 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN083075.D
 Acq: 30 Jul 2024 18:15

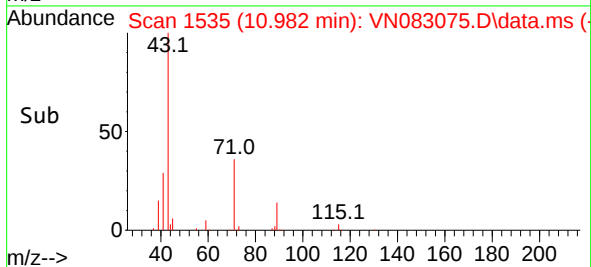
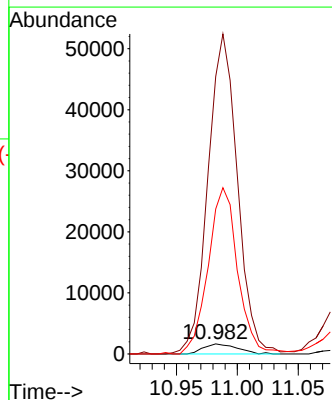
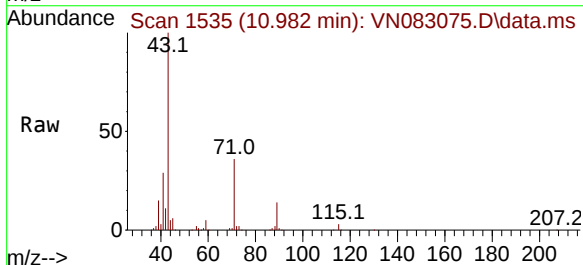
Instrument :
 MSVOA_N
 ClientSampleId :

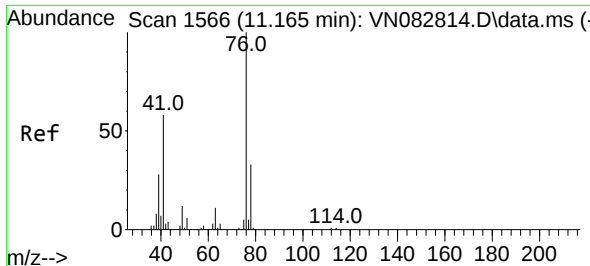
Tgt Ion: 75 Resp: 48892
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.3 36.5#
 39 48.8 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 1.136 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN083075.D
 Acq: 30 Jul 2024 18:15

Tgt Ion: 69 Resp: 3201
 Ion Ratio Lower Upper
 69 100
 41 2762.7 63.4 95.2#
 39 1436.6 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.397 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN083075.D

Acq: 30 Jul 2024 18:15

Instrument :

MSVOA_N

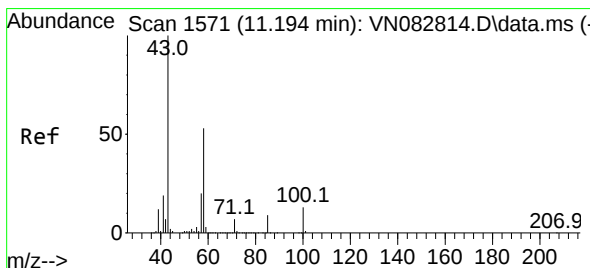
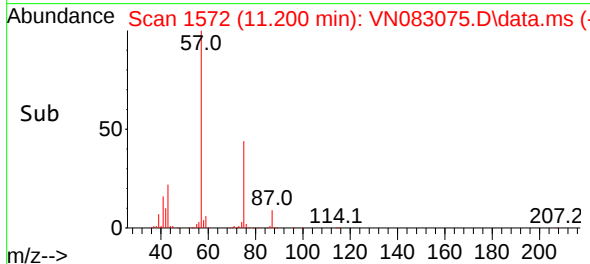
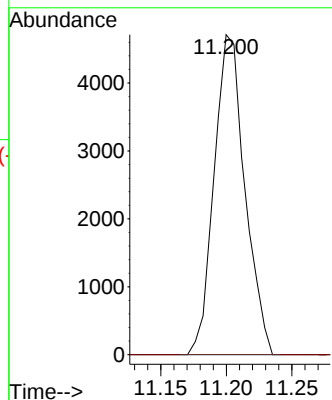
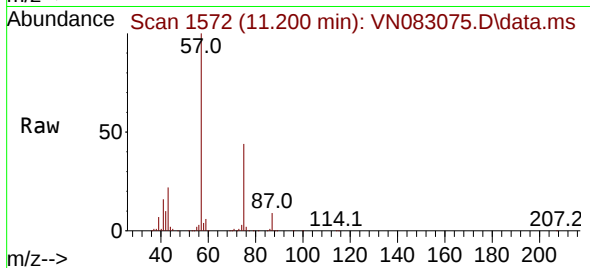
ClientSampleId :

Tgt Ion: 76 Resp: 7686

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 53.042 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN083075.D

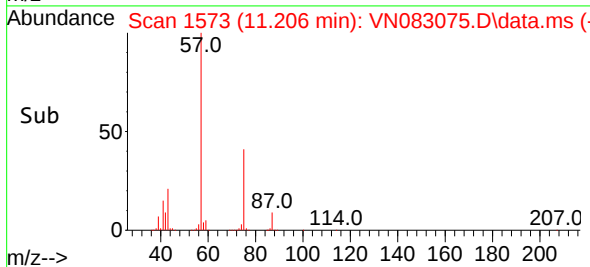
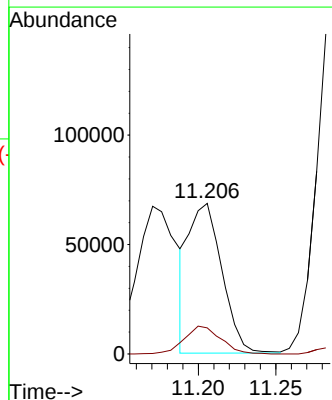
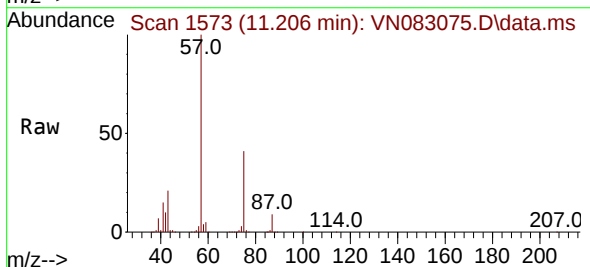
Acq: 30 Jul 2024 18:15

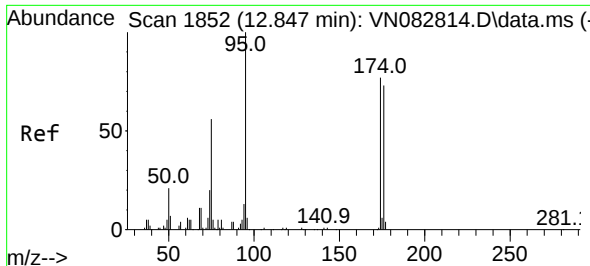
Tgt Ion: 43 Resp: 102052

Ion Ratio Lower Upper

43 100

58 20.5 24.6 73.8#

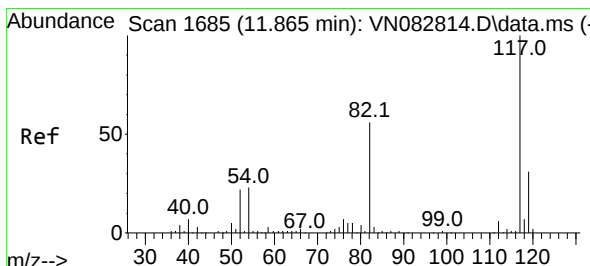
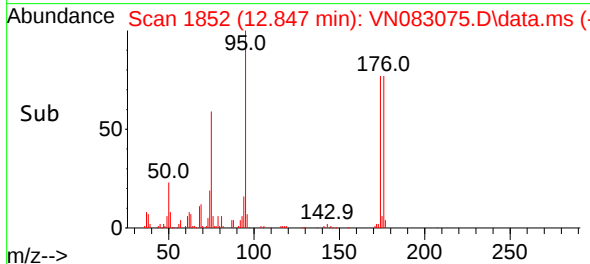
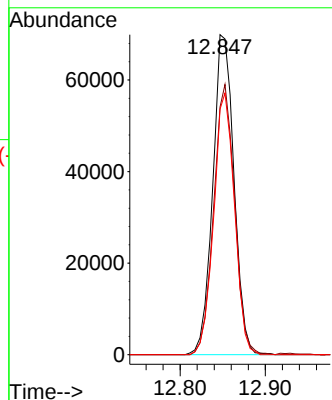
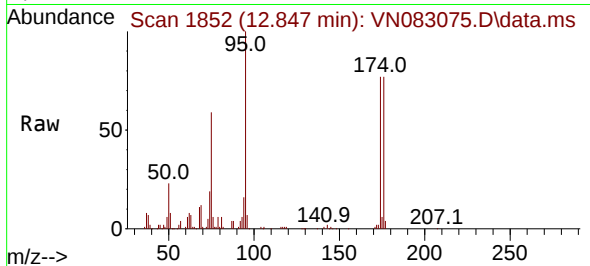




#62
4-Bromofluorobenzene
Concen: 48.988 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

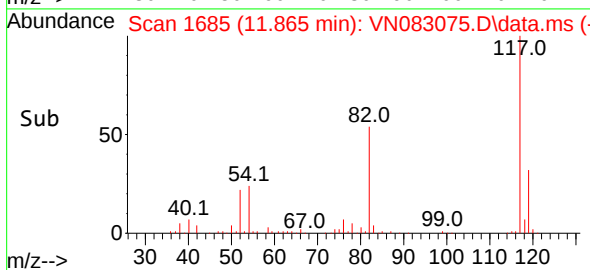
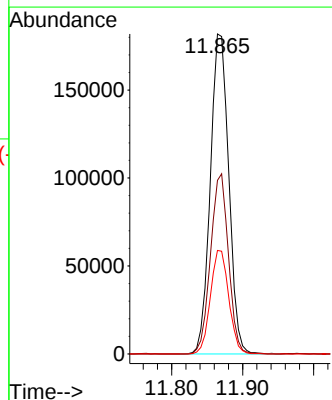
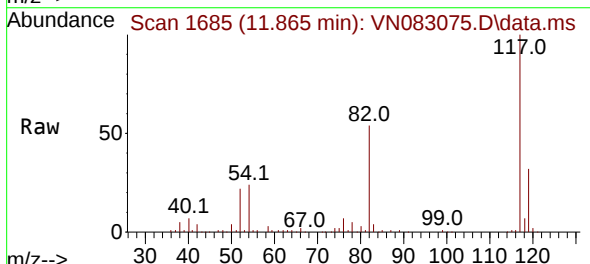
Instrument :
MSVOA_N
ClientSampleId :

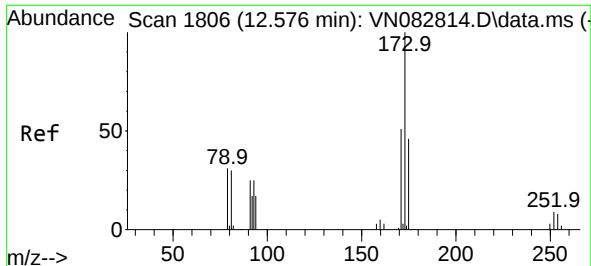
Tgt Ion: 95 Resp: 120865
Ion Ratio Lower Upper
95 100
174 83.6 0.0 159.2
176 80.0 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.005 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

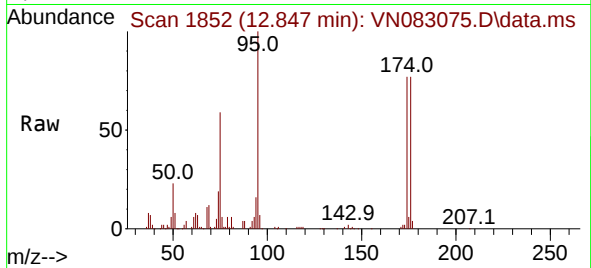
Tgt Ion: 117 Resp: 327646
Ion Ratio Lower Upper
117 100
82 54.3 47.5 71.3
119 32.3 25.6 38.4



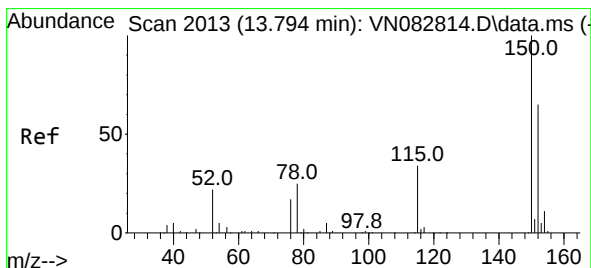
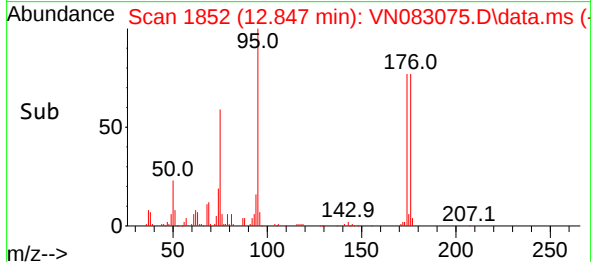
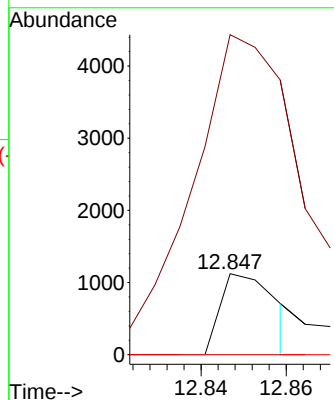


#71
Bromoform
Concen: 0.515 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :

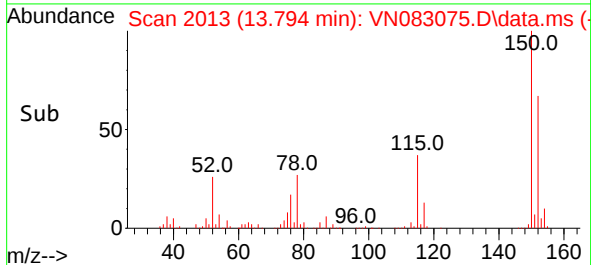
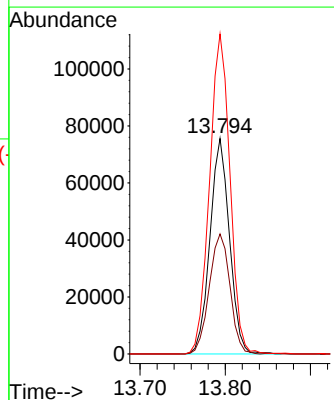
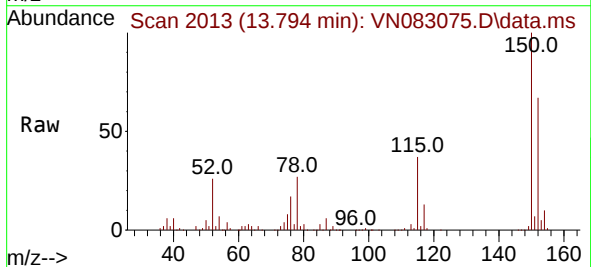


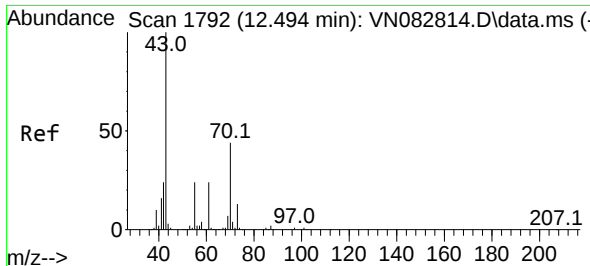
Tgt Ion:173 Resp: 1012
Ion Ratio Lower Upper
173 100
175 644.9 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

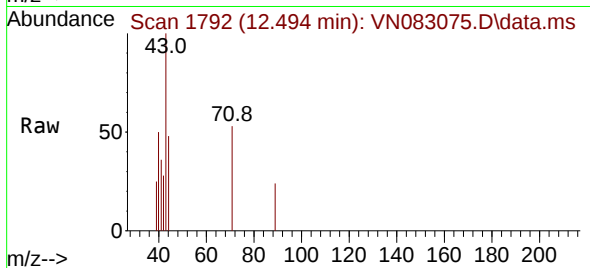
Tgt Ion:152 Resp: 120289
Ion Ratio Lower Upper
152 100
115 59.0 30.6 91.6
150 154.9 0.0 348.6



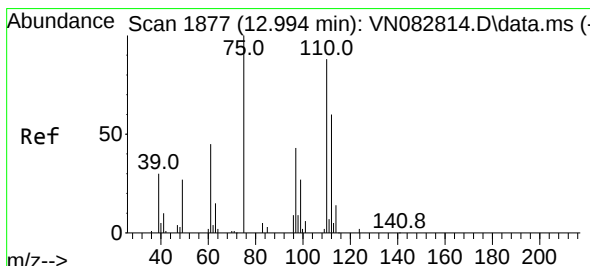
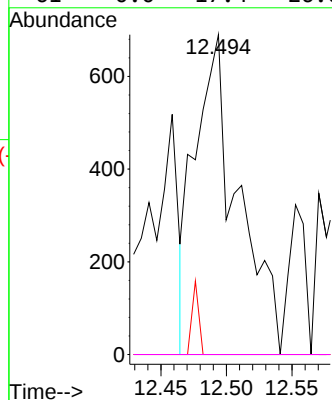
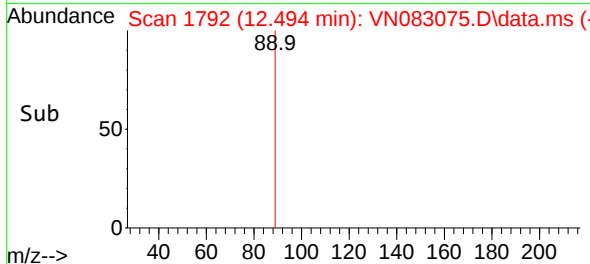


#74
N-amy1 acetate
Concen: 0.438 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15

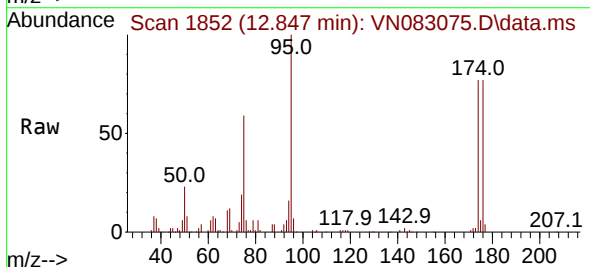
Instrument :
MSVOA_N
ClientSampleId :



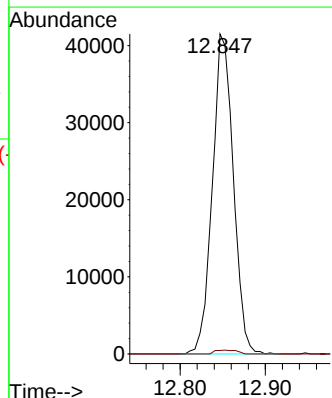
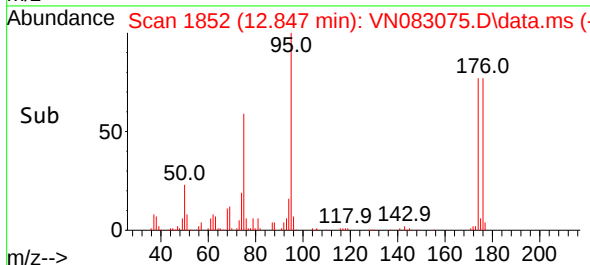
Tgt Ion: 43 Resp: 1583
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 3.5 18.7 28.1#
61 0.0 17.4 26.0#

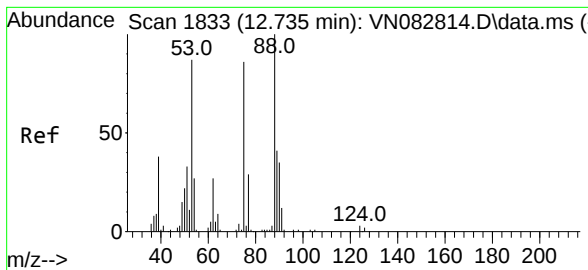


#76
1,2,3-Trichloropropane
Concen: 34.119 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083075.D
Acq: 30 Jul 2024 18:15



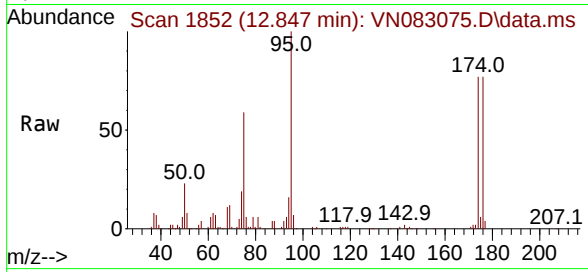
Tgt Ion: 75 Resp: 70757
Ion Ratio Lower Upper
75 100
77 1.3 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.101 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN083075.D
 Acq: 30 Jul 2024 18:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	88.4	132.6#
89	0.0	36.3	54.5#

