

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083983.D
 Acq On : 18 Sep 2024 15:27
 Operator : JC\MD
 Sample : PB163447TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:34:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

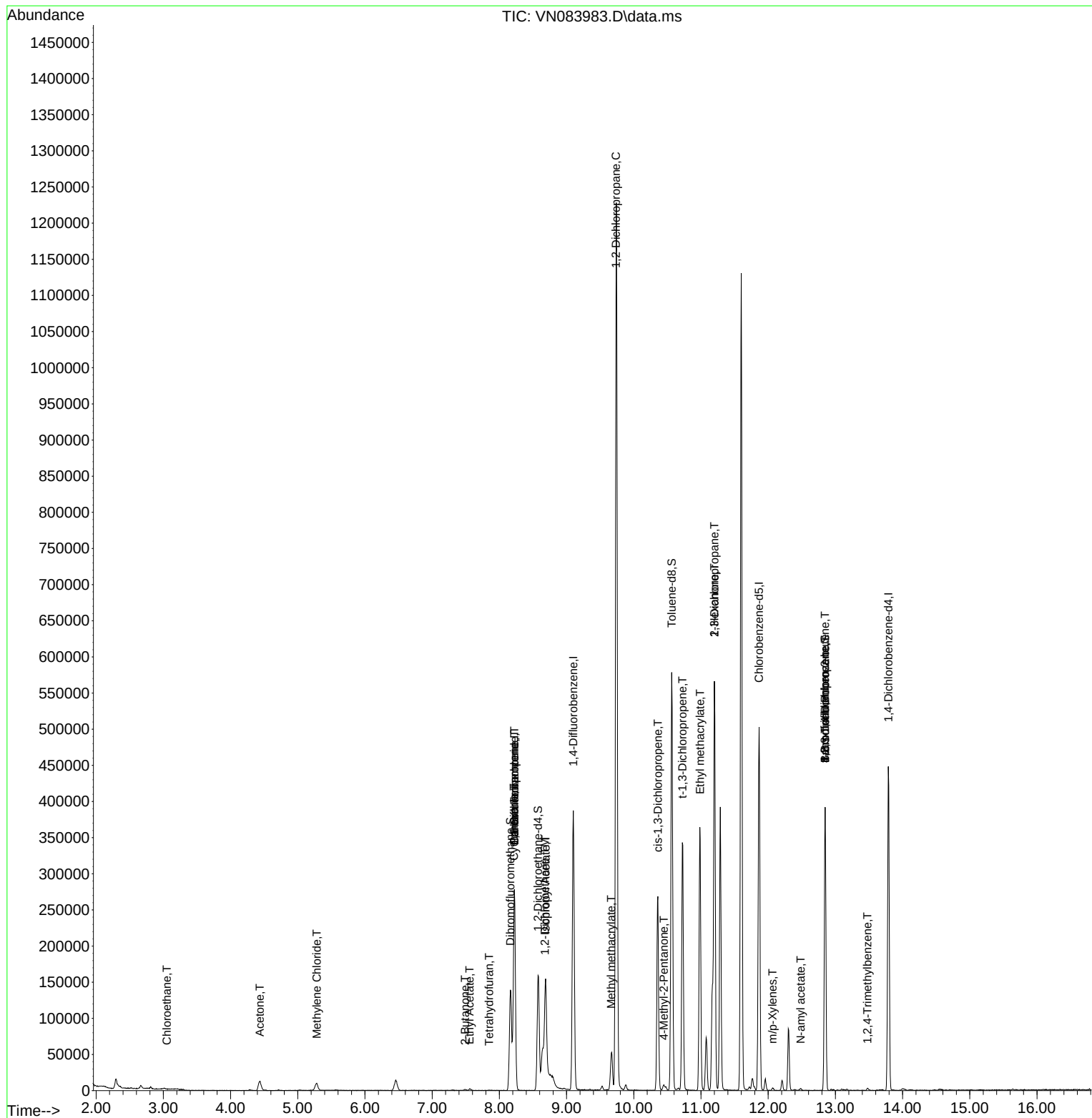
Internal Standards						
1) Pentafluorobenzene	8.224	168	185657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	138875	49.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.220%
35) Dibromofluoromethane	8.165	113	98126	48.664	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.320%
50) Toluene-d8	10.565	98	379488	54.439	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.880%
62) 4-Bromofluorobenzene	12.847	95	131484	45.718	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	189	Below Cal	#	41
6) Chloroethane	3.054	64	414	0.250	ug/l #	45
16) Acetone	4.436	43	25892	23.072	ug/l	99
18) Methyl Acetate	5.024	43	1142	Below Cal	#	52
20) Methylene Chloride	5.283	84	7326	3.190	ug/l #	85
25) 2-Butanone	7.489	43	2430	1.647	ug/l	96
29) Tetrahydrofuran	7.847	42	360	0.413	ug/l #	32
31) Cyclohexane	8.218	56	5075	1.254	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	17537	5.778	ug/l #	49
37) Ethyl Acetate	7.559	43	3700	1.343	ug/l #	74
38) Carbon Tetrachloride	8.224	117	22000	6.389	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	975	0.286	ug/l #	77
43) Isopropyl Acetate	8.688	43	249752	50.028	ug/l #	78
45) 1,2-Dichloropropane	9.735	63	1397	0.633	ug/l #	42
48) Methyl methacrylate	9.665	41	3518	1.485	ug/l #	46
51) 4-Methyl-2-Pentanone	10.447	43	8915	3.281	ug/l #	69
53) t-1,3-Dichloropropene	10.724	75	854	0.252	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	46569	13.068	ug/l #	59
56) Ethyl methacrylate	10.988	69	936	0.292	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5641	1.573	ug/l #	42
59) 2-Hexanone	11.200	43	73796	36.711	ug/l #	54
68) m/p-Xylenes	12.065	106	1308	0.332	ug/l	87
71) Bromoform	12.847	173	506	0.362	ug/l #	1
74) N-amyl acetate	12.482	43	1525	0.416	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	76726	34.252	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76726	89.709	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.476	105	2410	0.331	ug/l	98

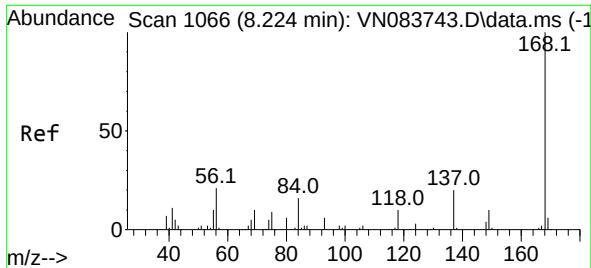
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
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Instrument :
MSVOA_N
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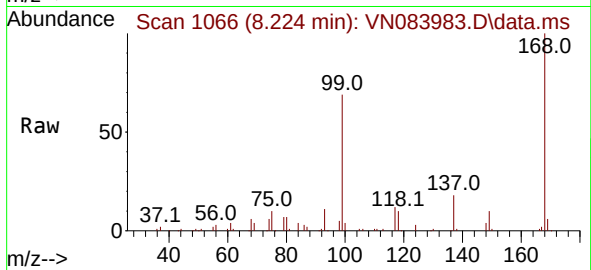
Quant Time: Sep 19 01:34:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



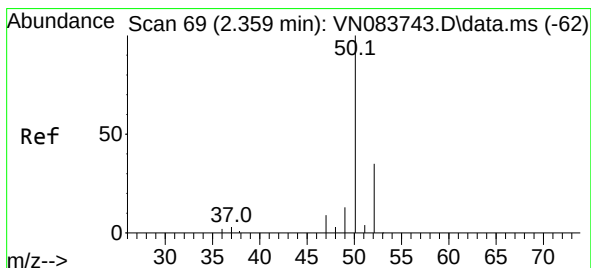
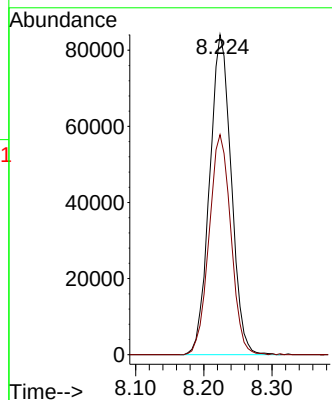
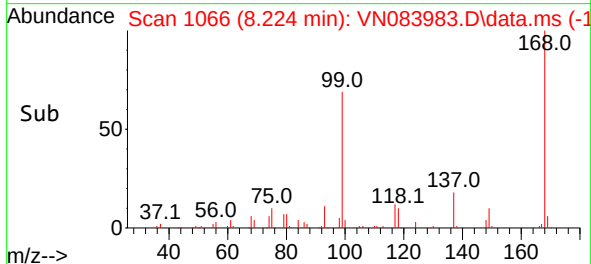


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

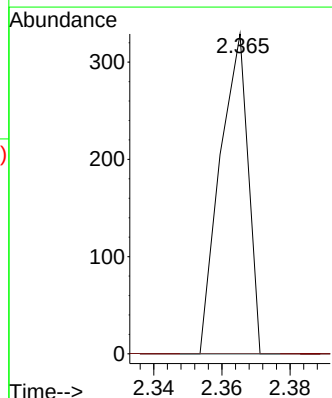
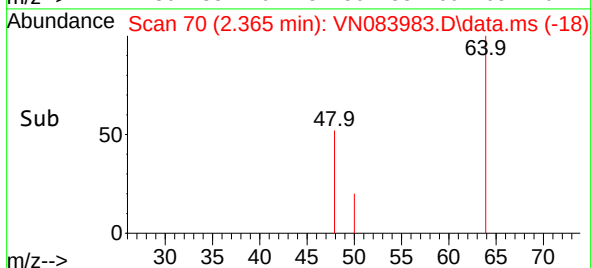
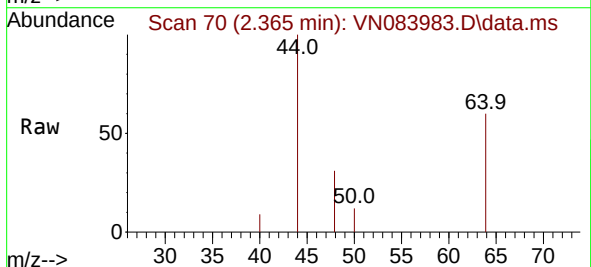


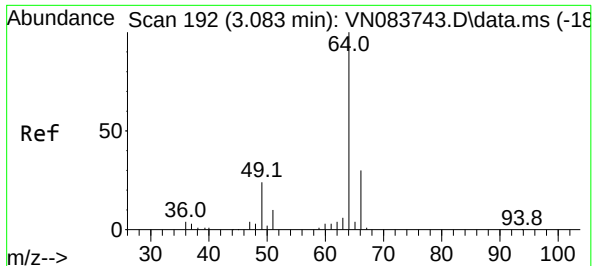
Tgt Ion:168 Resp: 185657
Ion Ratio Lower Upper
168 100
99 68.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

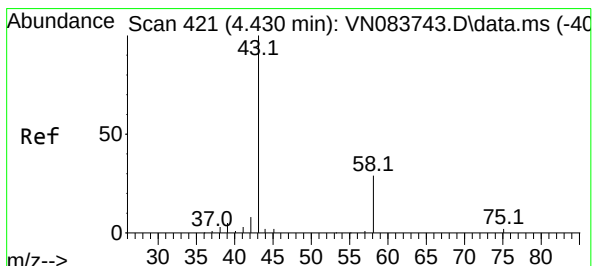
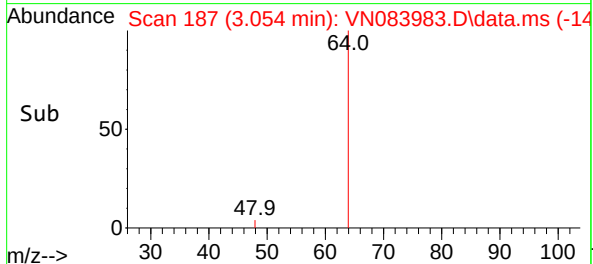
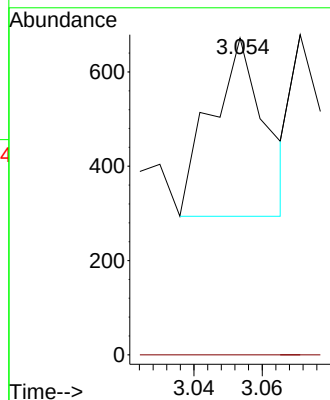
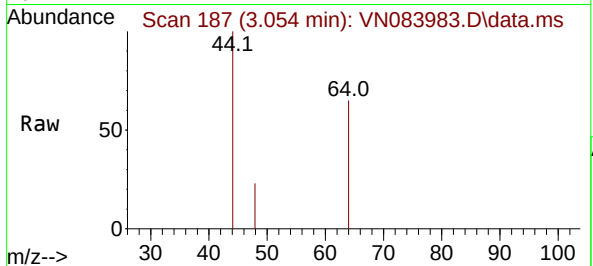




#6
Chloroethane
Concen: 0.250 ug/l
RT: 3.054 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

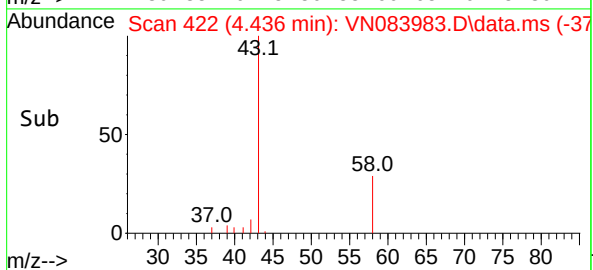
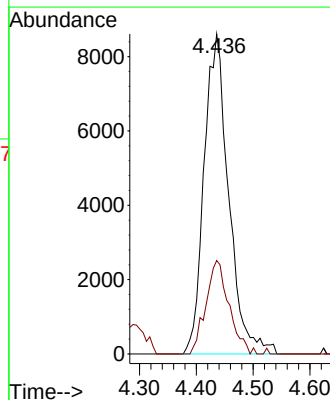
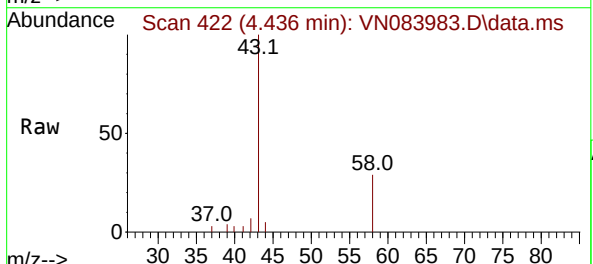
Instrument :
MSVOA_N
ClientSampleId :

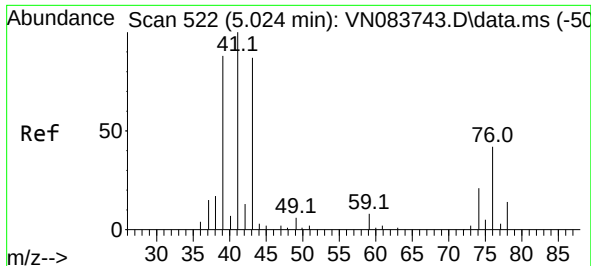
Tgt Ion: 64 Resp: 414
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#16
Acetone
Concen: 23.072 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 43 Resp: 25892
Ion Ratio Lower Upper
43 100
58 29.2 23.7 35.5

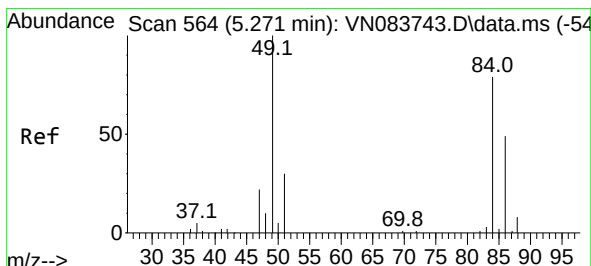
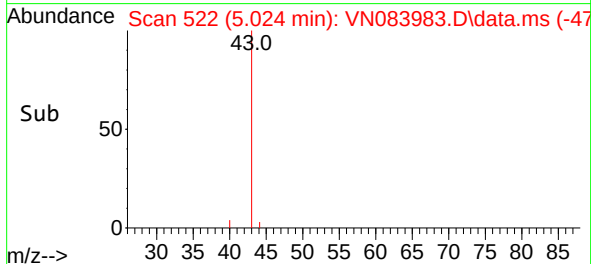
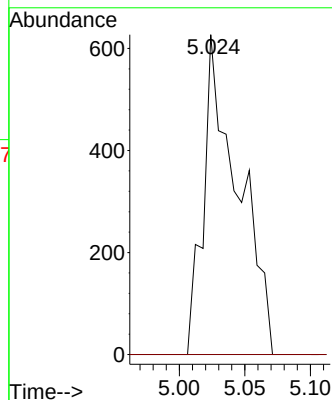
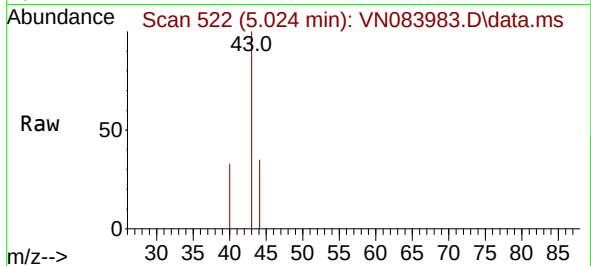




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

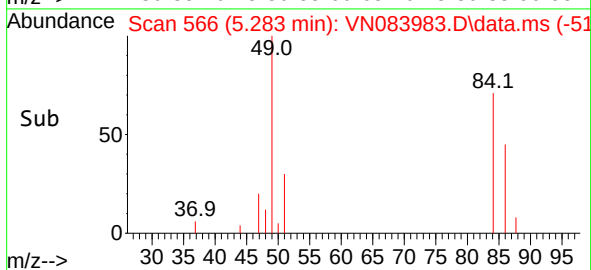
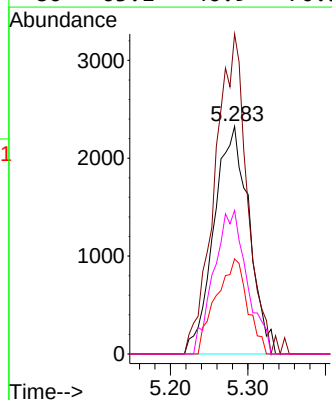
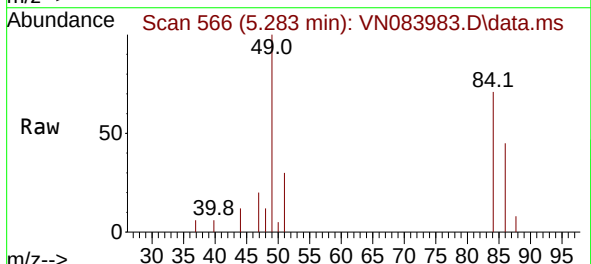
Instrument :
MSVOA_N
ClientSampleId :

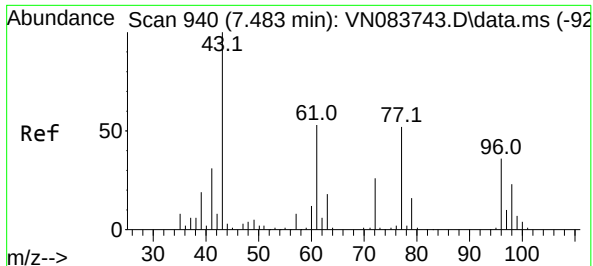
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#20
Methylene Chloride
Concen: 3.190 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 84 Resp: 7326
Ion Ratio Lower Upper
84 100
49 140.6 93.4 140.0#
51 41.8 29.2 43.8
86 63.1 46.9 70.3





#25

2-Butanone

Concen: 1.647 ug/l

RT: 7.489 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

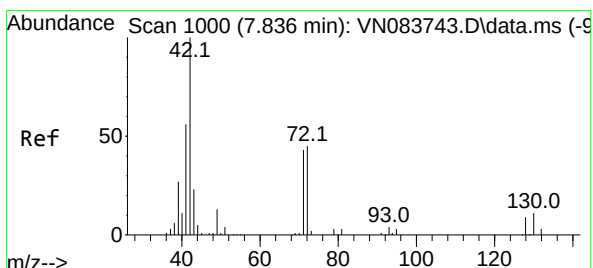
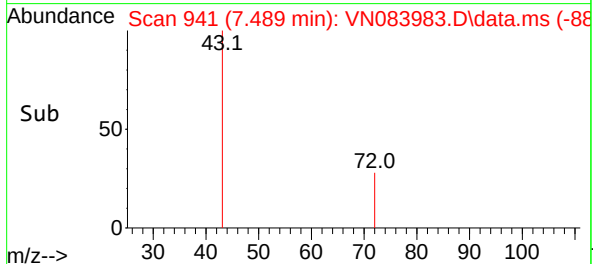
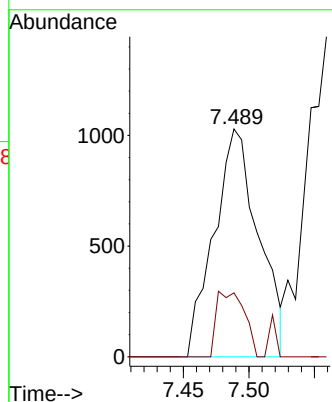
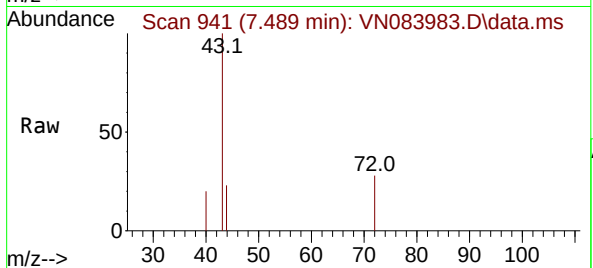
ClientSampleId :

Tgt Ion: 43 Resp: 2430

Ion Ratio Lower Upper

43 100

72 28.1 20.8 31.2



#29

Tetrahydrofuran

Concen: 0.413 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.012 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

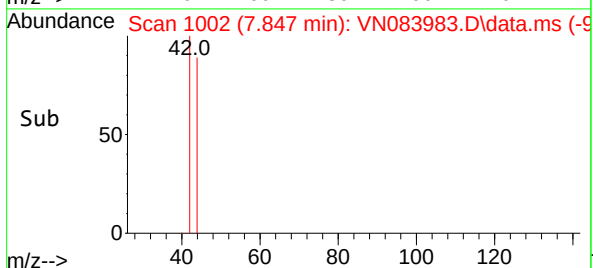
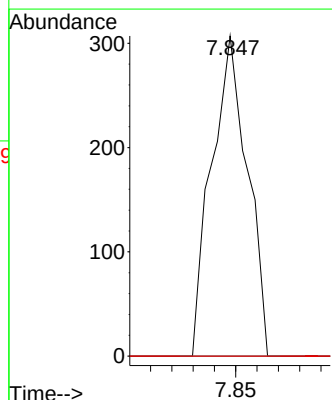
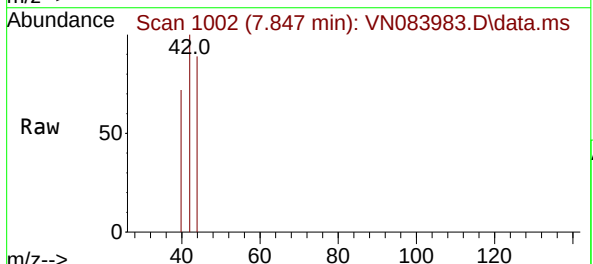
Tgt Ion: 42 Resp: 360

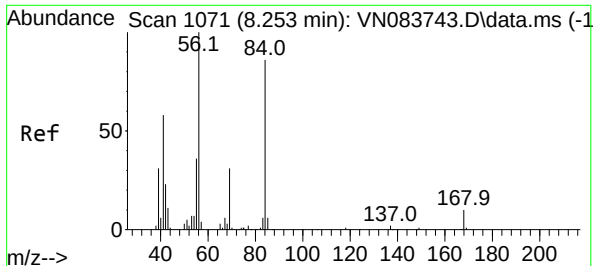
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

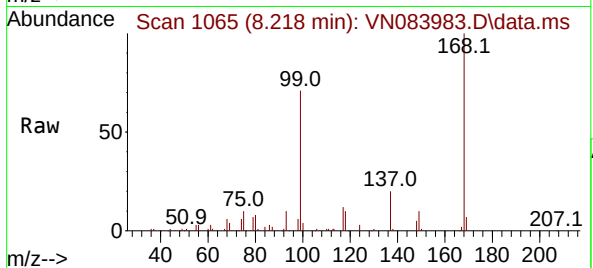
71 0.0 33.9 50.9#



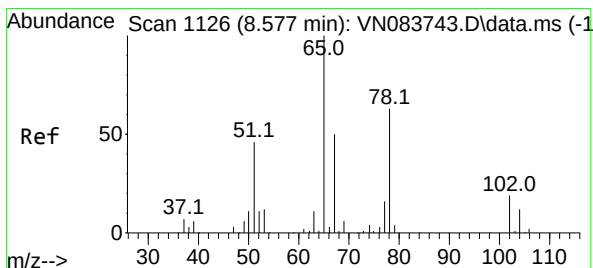
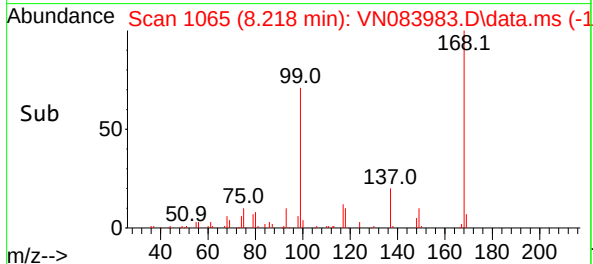
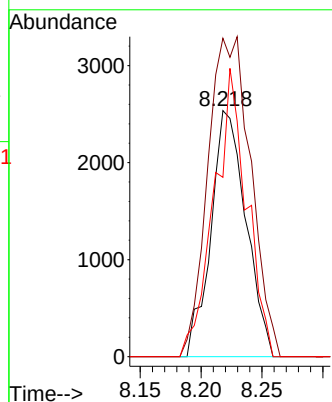


#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

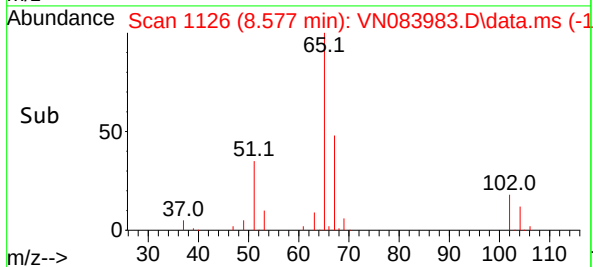
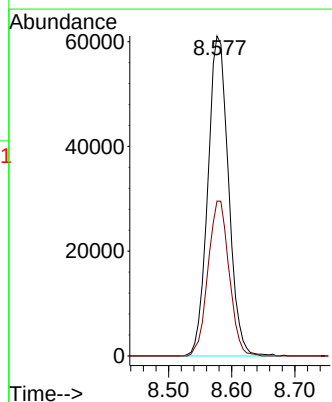
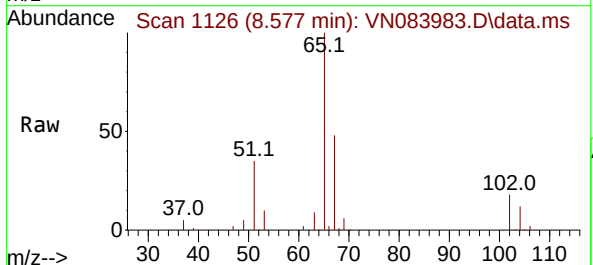


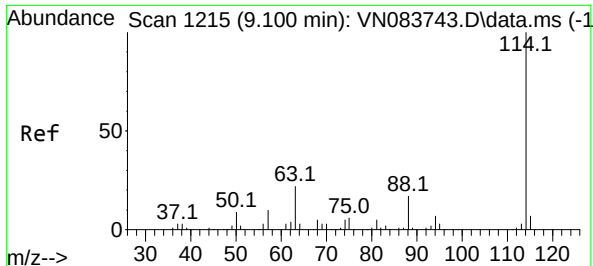
Tgt Ion: 56 Resp: 5075
Ion Ratio Lower Upper
56 100
69 129.3 26.9 40.3#
84 72.9 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 49.608 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 65 Resp: 138875
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

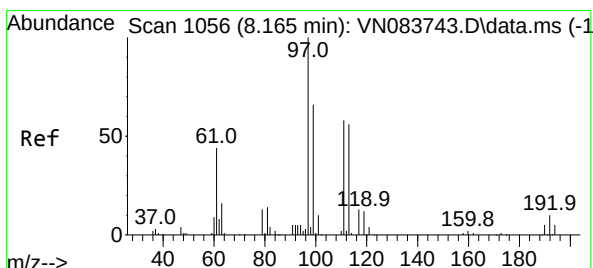
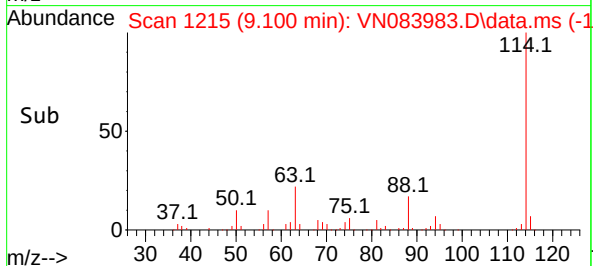
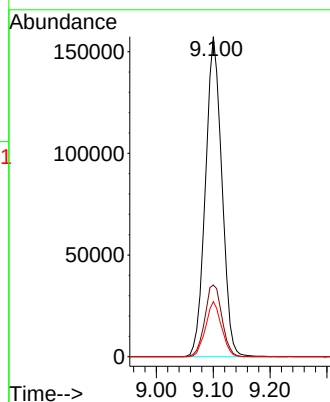
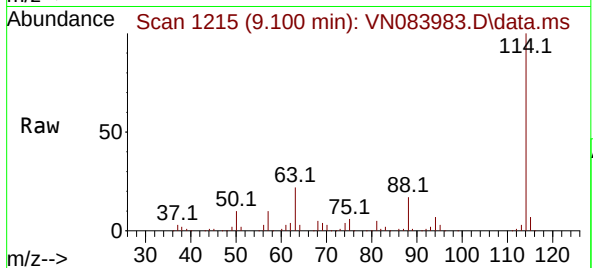
Tgt Ion:114 Resp: 314972

Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.4

88 17.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.664 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

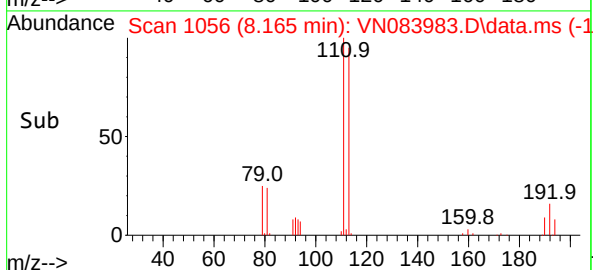
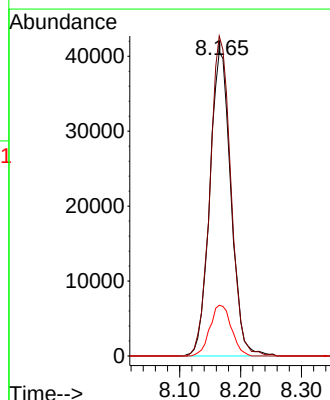
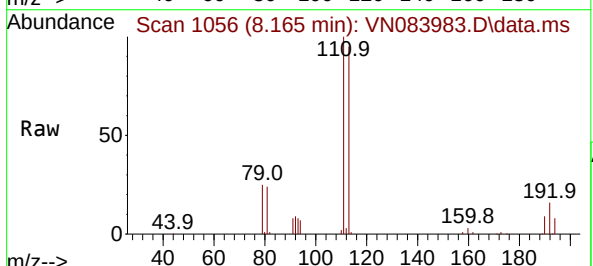
Tgt Ion:113 Resp: 98126

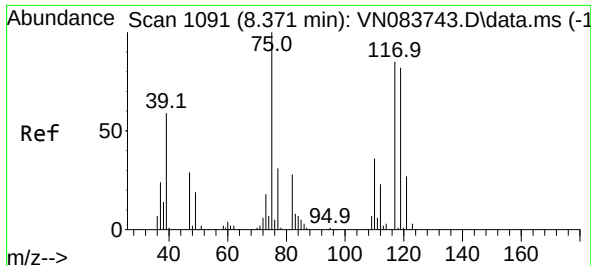
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 16.9 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.778 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

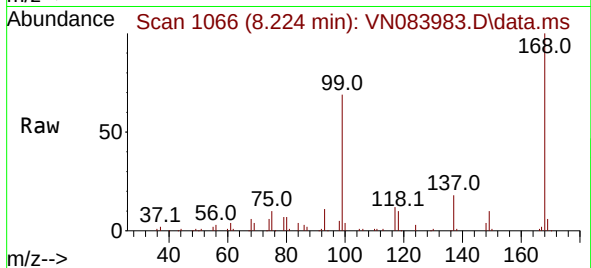
Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :



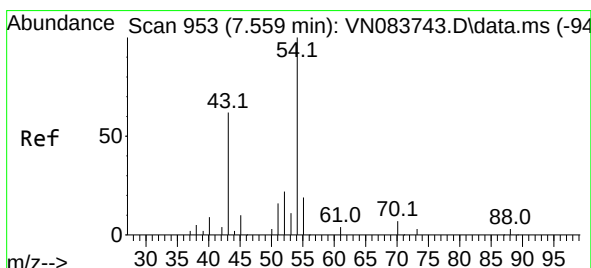
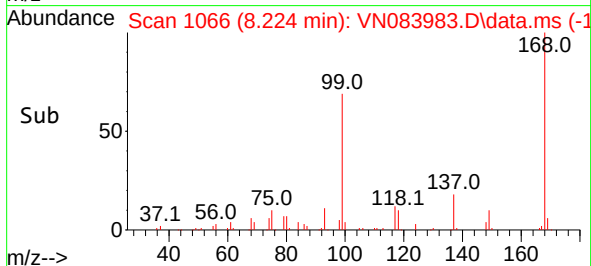
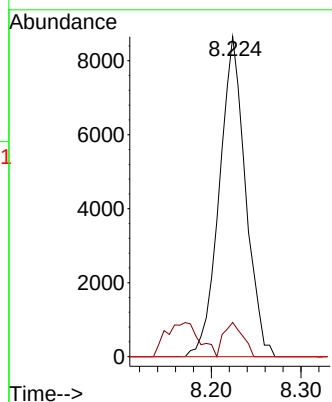
Tgt Ion: 75 Resp: 17537

Ion Ratio Lower Upper

75 100

110 7.8 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.343 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

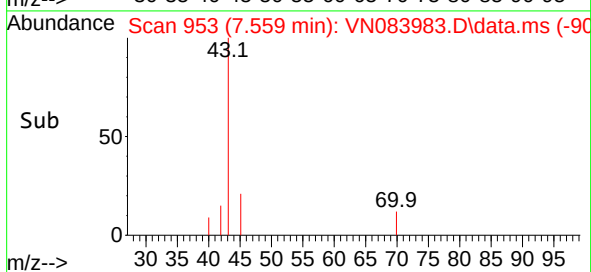
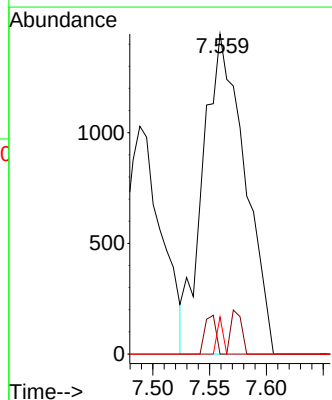
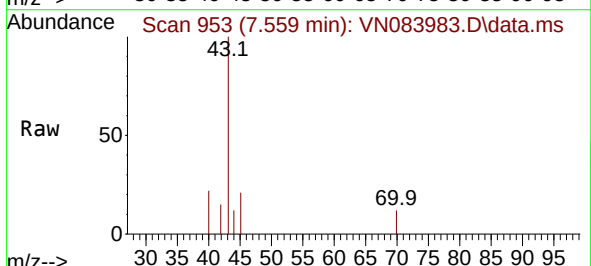
Tgt Ion: 43 Resp: 3700

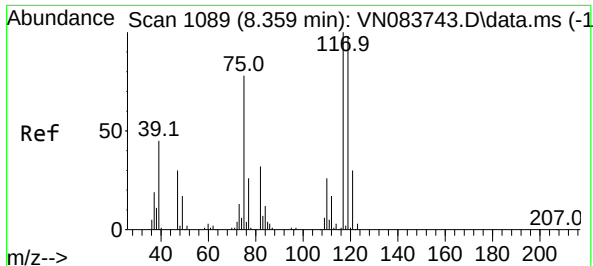
Ion Ratio Lower Upper

43 100

61 3.2 11.1 16.7#

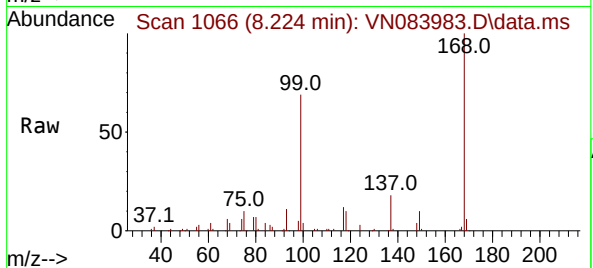
70 1.6 8.8 13.2#



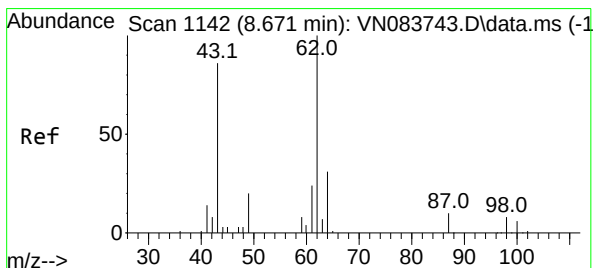
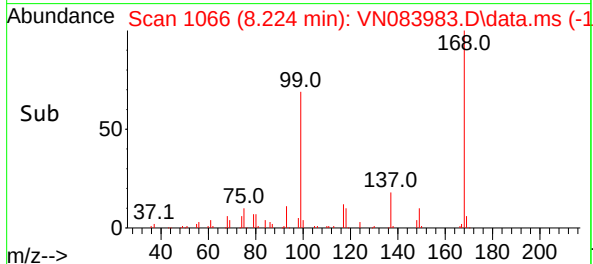
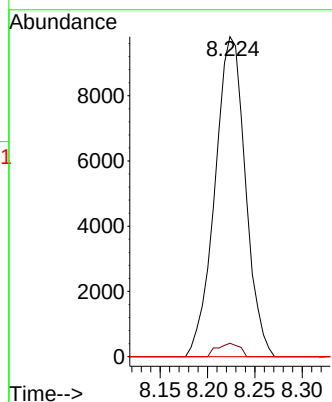


#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :

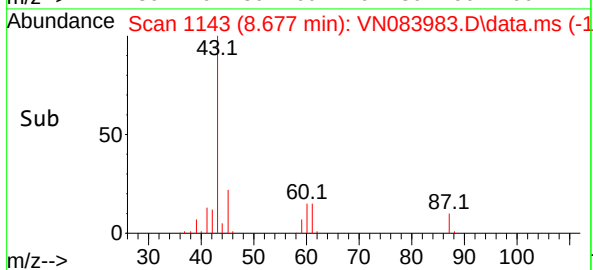
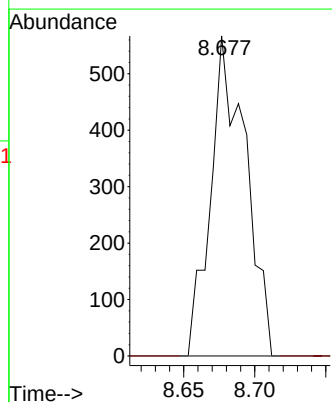
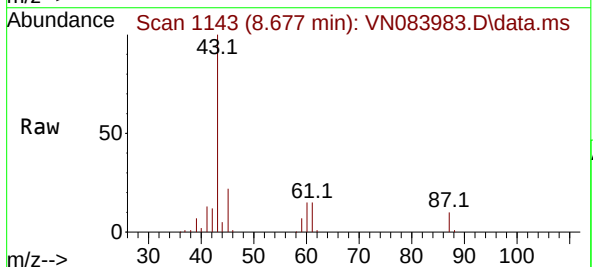


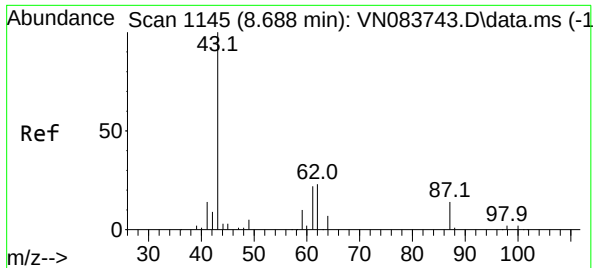
Tgt Ion:117 Resp: 22000
Ion Ratio Lower Upper
117 100
119 4.2 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.286 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 62 Resp: 975
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

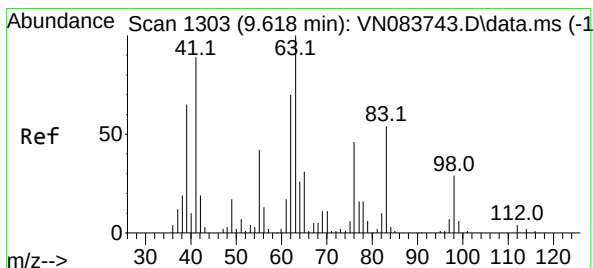
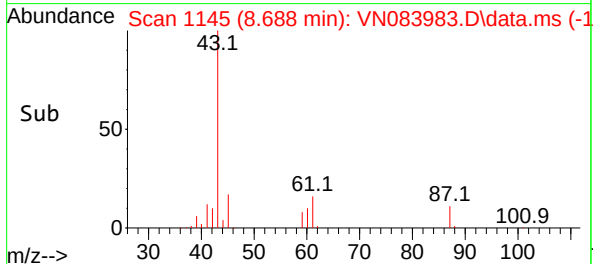
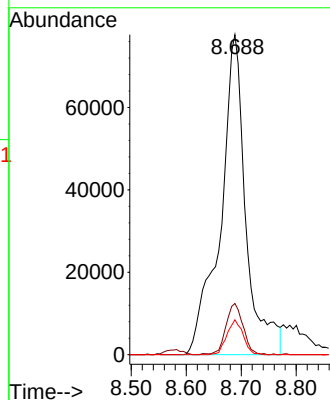
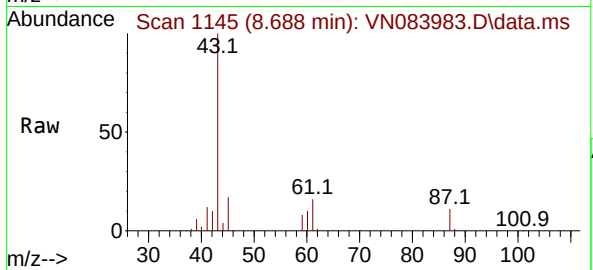




#43
Isopropyl Acetate
Concen: 50.028 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

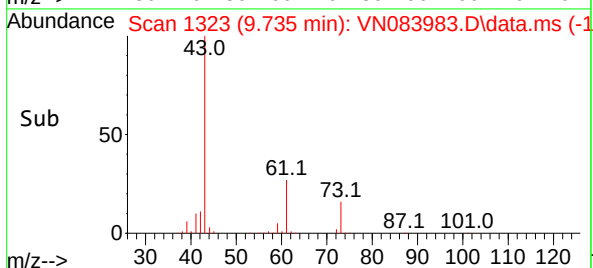
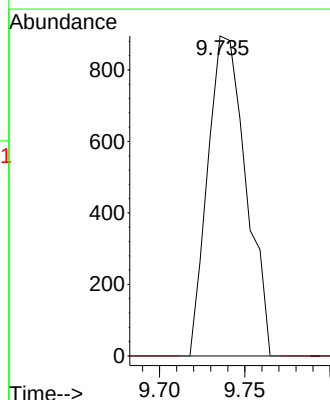
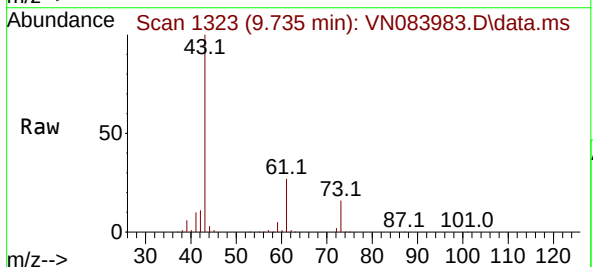
Instrument :
MSVOA_N
ClientSampleId :

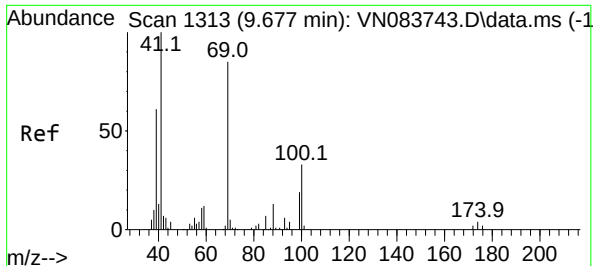
Tgt Ion: 43 Resp: 249752
Ion Ratio Lower Upper
43 100
61 10.8 19.4 29.0#
87 6.9 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.633 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 63 Resp: 1397
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#

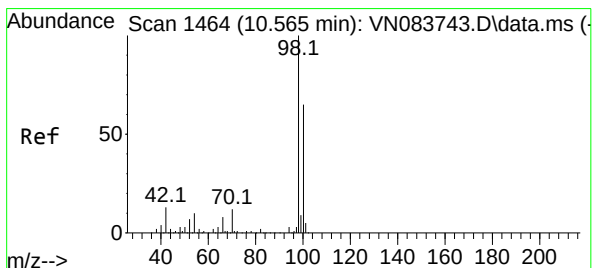
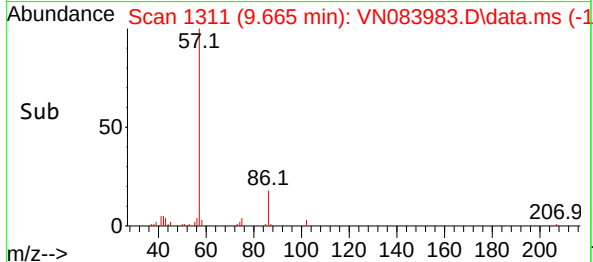
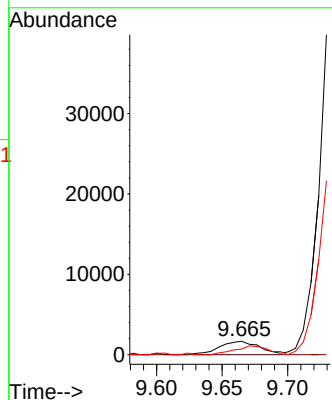
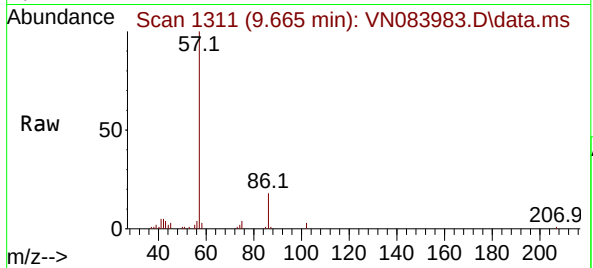




#48
Methyl methacrylate
Concen: 1.485 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

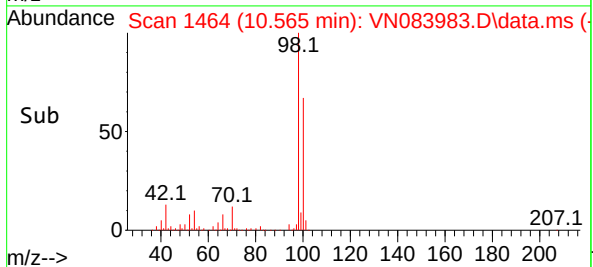
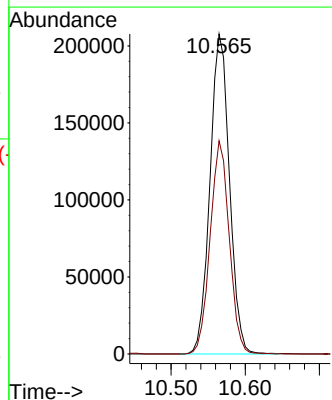
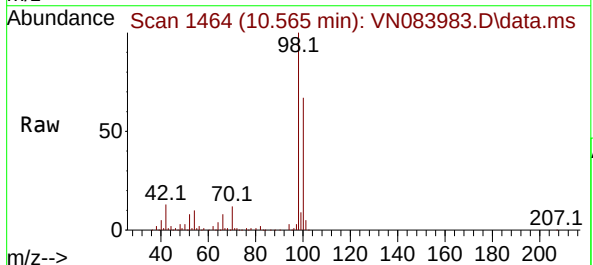
Instrument :
MSVOA_N
ClientSampleId :

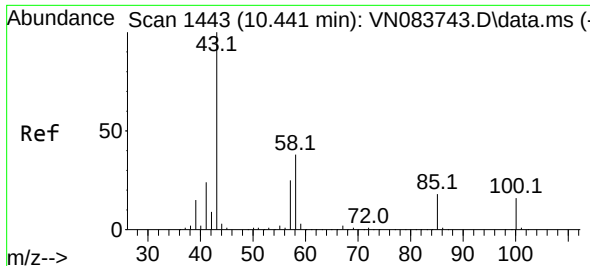
Tgt Ion: 41 Resp: 3518
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 56.5 48.9 73.3



#50
Toluene-d8
Concen: 54.439 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 98 Resp: 379488
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.281 ug/l

RT: 10.447 min Scan# 1443

Delta R.T. 0.006 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

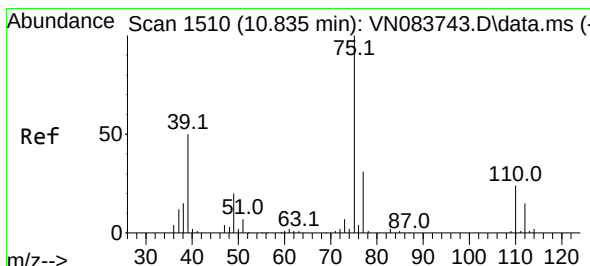
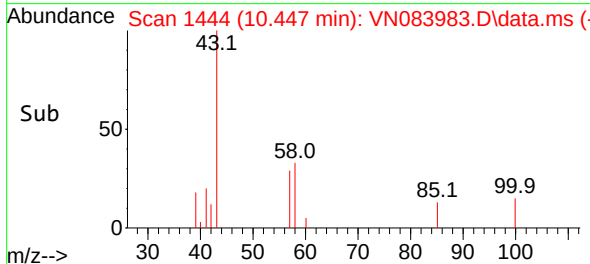
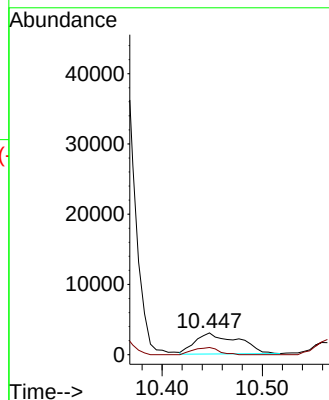
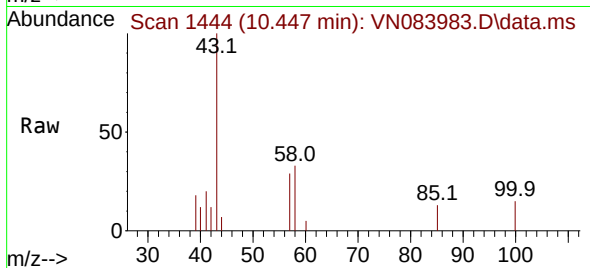
ClientSampleId :

Tgt Ion: 43 Resp: 8915

Ion Ratio Lower Upper

43 100

58 20.3 31.6 47.4#



#53

t-1,3-Dichloropropene

Concen: 0.252 ug/l

RT: 10.724 min Scan# 1491

Delta R.T. -0.112 min

Lab File: VN083983.D

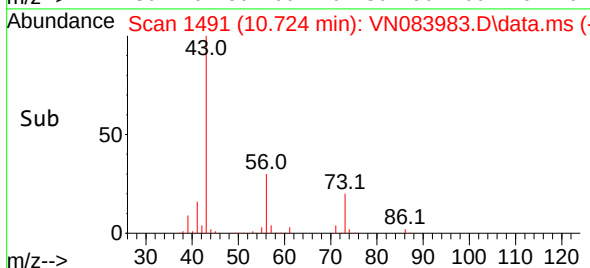
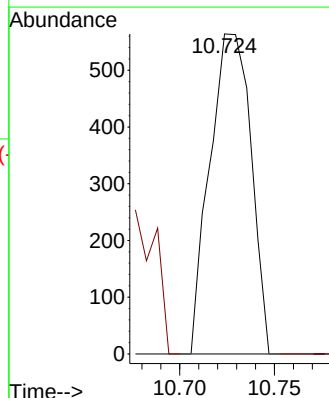
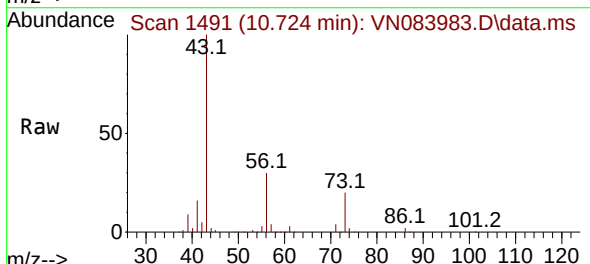
Acq: 18 Sep 2024 15:27

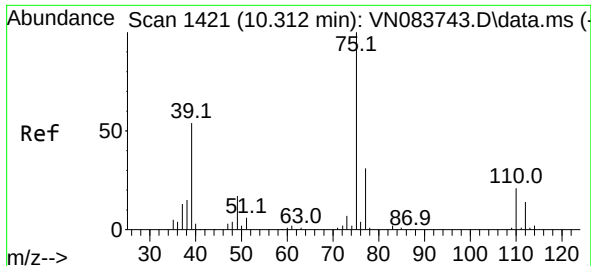
Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

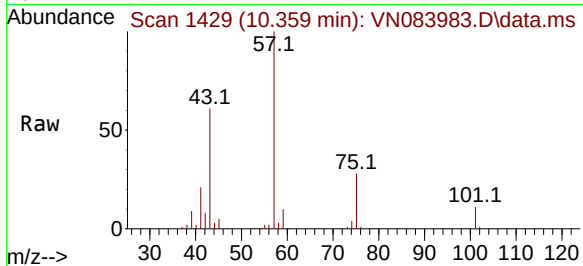
77 0.0 25.8 38.6#



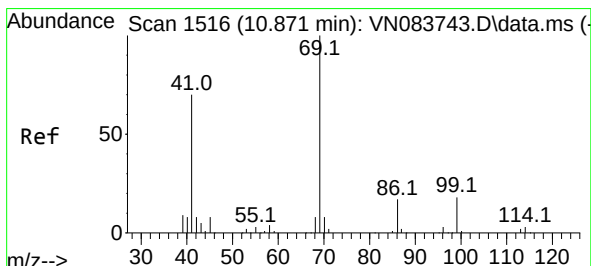
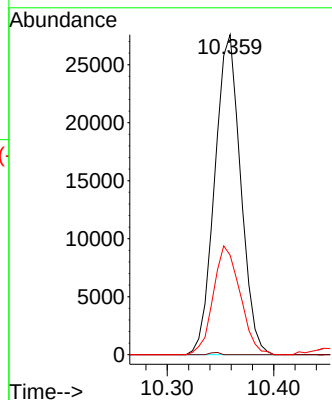
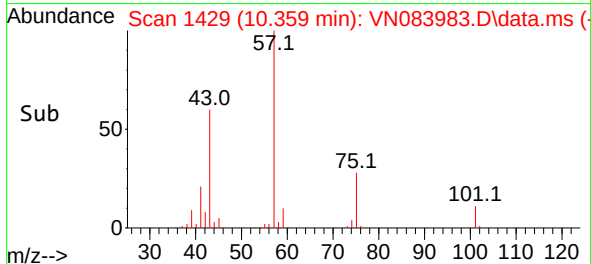


#54
 cis-1,3-Dichloropropene
 Concen: 13.068 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083983.D
 Acq: 18 Sep 2024 15:27

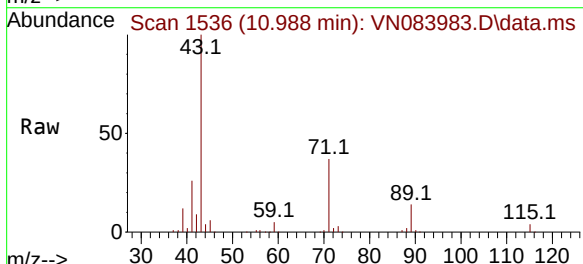
Instrument :
 MSVOA_N
 ClientSampleId :



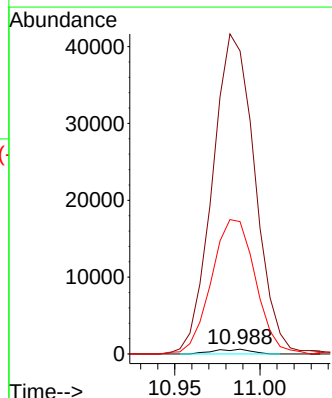
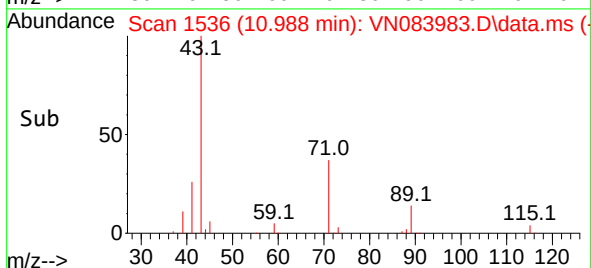
Tgt Ion: 75 Resp: 46569
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 31.1 42.6 64.0#

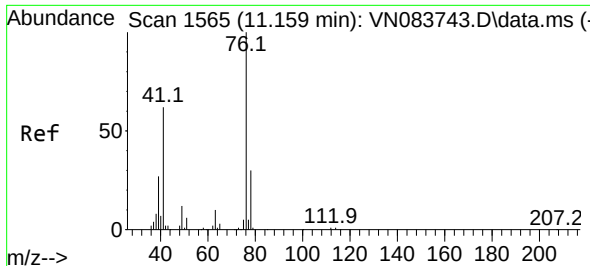


#56
 Ethyl methacrylate
 Concen: 0.292 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083983.D
 Acq: 18 Sep 2024 15:27



Tgt Ion: 69 Resp: 936
 Ion Ratio Lower Upper
 69 100
 41 7743.7 53.9 80.9#
 39 3366.1 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.573 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

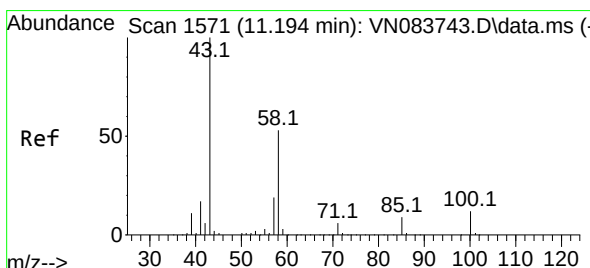
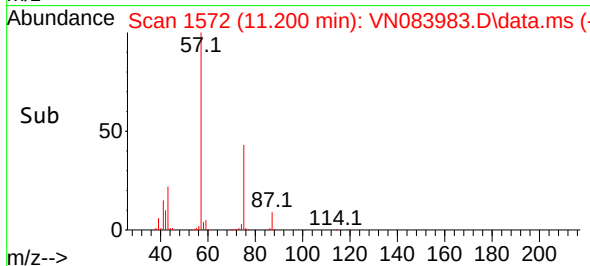
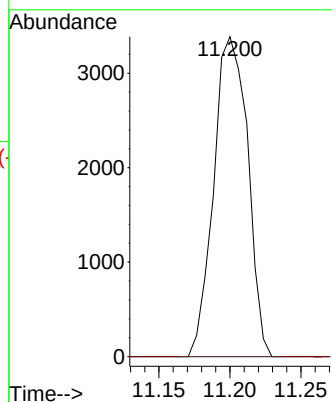
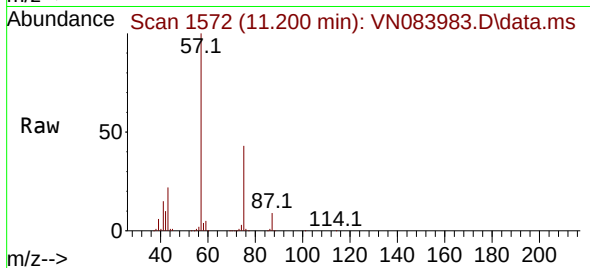
ClientSampleId :

Tgt Ion: 76 Resp: 5641

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.711 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN083983.D

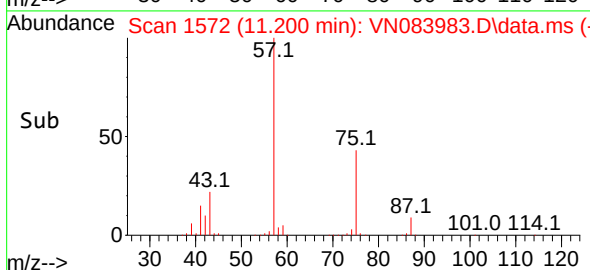
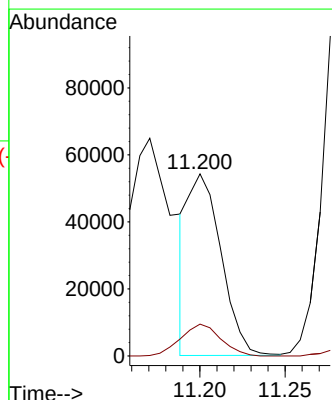
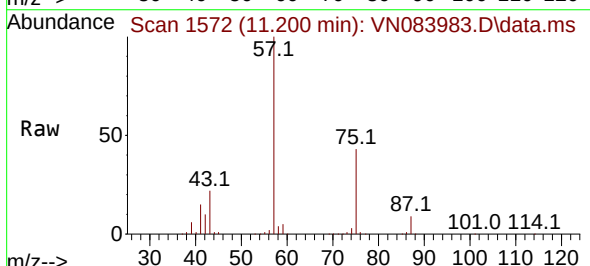
Acq: 18 Sep 2024 15:27

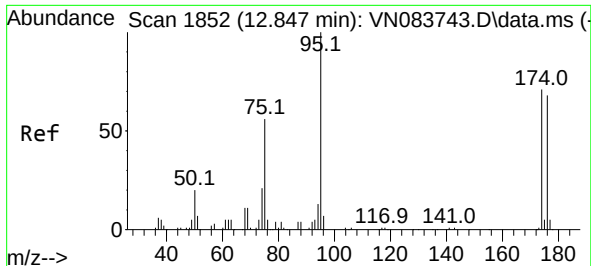
Tgt Ion: 43 Resp: 73796

Ion Ratio Lower Upper

43 100

58 21.1 27.2 81.5#

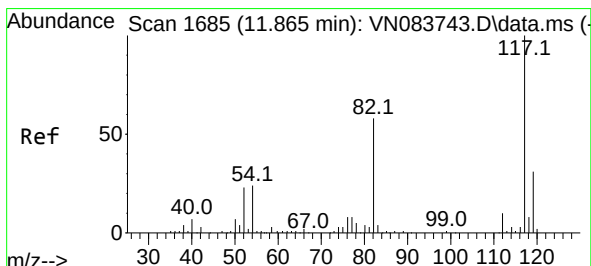
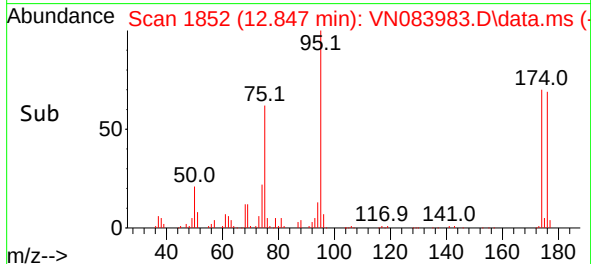
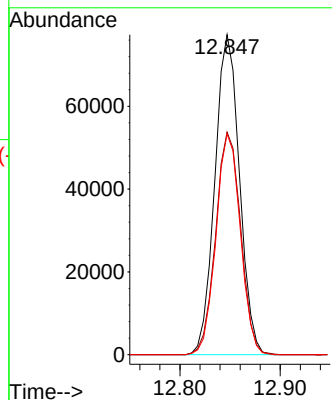
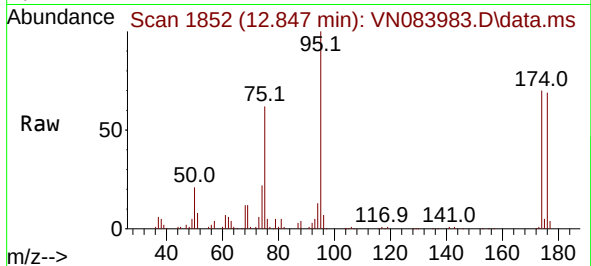




#62
4-Bromofluorobenzene
Concen: 45.718 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

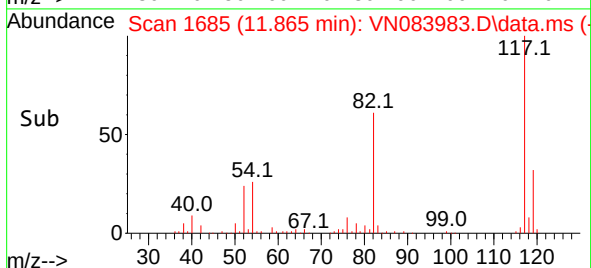
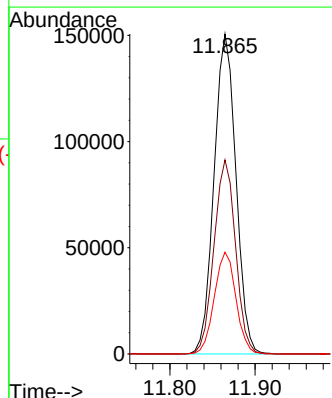
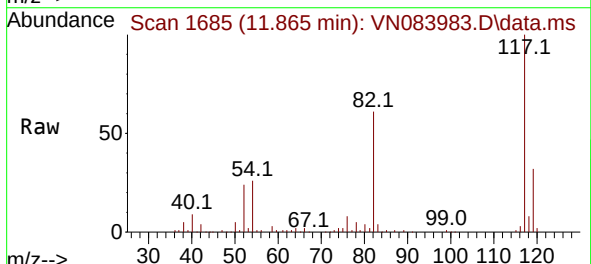
Instrument :
MSVOA_N
ClientSampleId :

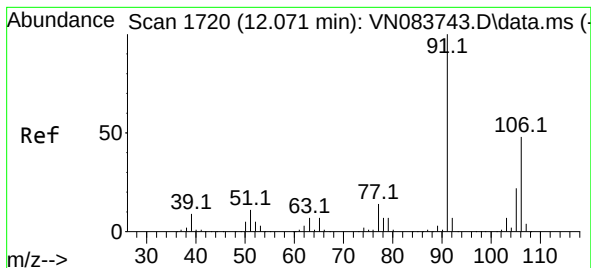
Tgt Ion: 95 Resp: 131484
Ion Ratio Lower Upper
95 100
174 70.8 0.0 139.8
176 68.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion: 117 Resp: 268887
Ion Ratio Lower Upper
117 100
82 60.6 47.4 71.0
119 31.8 26.3 39.5

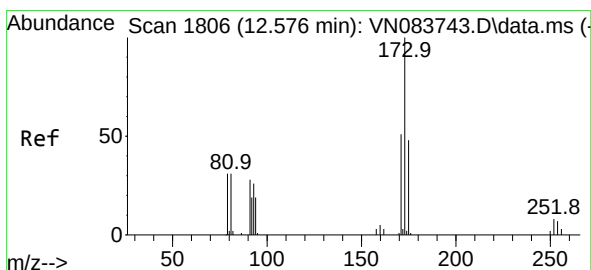
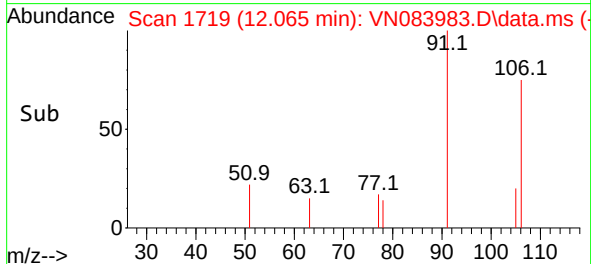
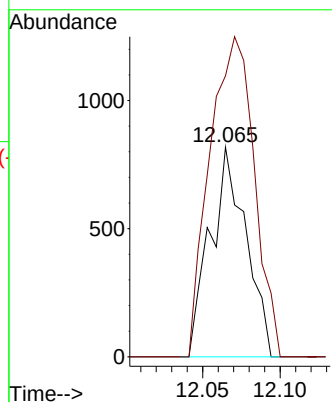
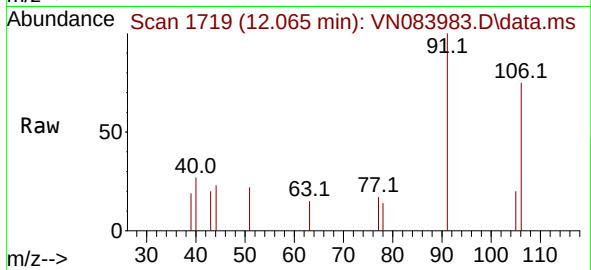




#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

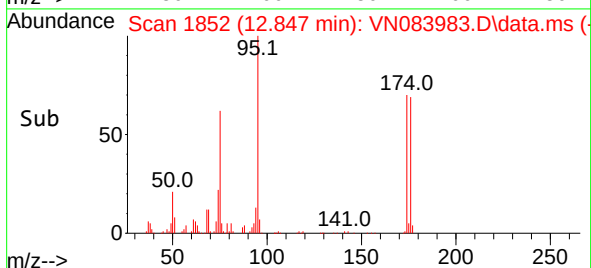
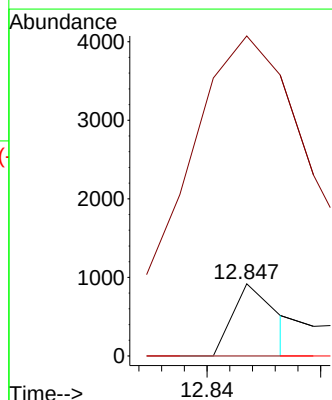
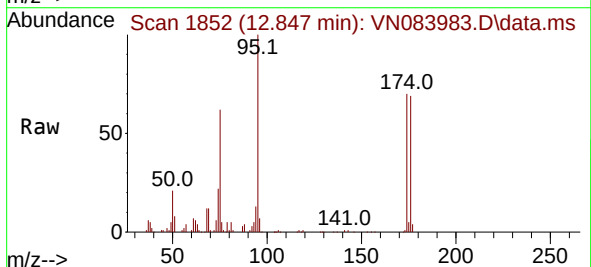
Instrument :
MSVOA_N
ClientSampleId :

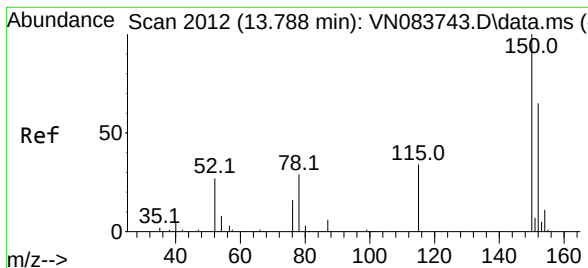
Tgt Ion:106 Resp: 1308
Ion Ratio Lower Upper
106 100
91 190.9 169.2 253.8



#71
Bromoform
Concen: 0.362 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

Tgt Ion:173 Resp: 506
Ion Ratio Lower Upper
173 100
175 1019.4 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

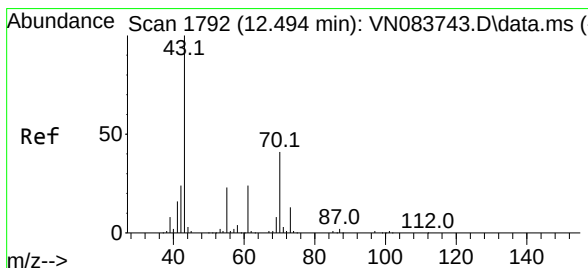
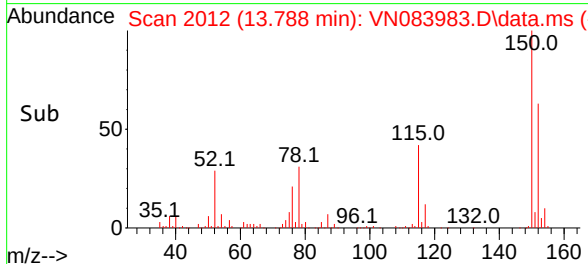
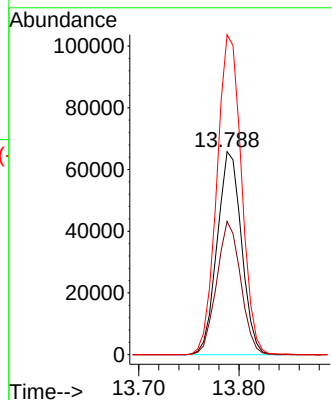
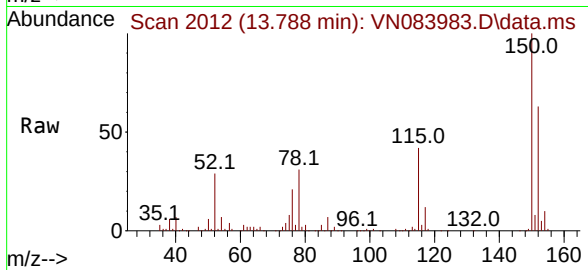
Tgt Ion:152 Resp: 111013

Ion Ratio Lower Upper

152 100

115 65.0 32.2 96.6

150 159.1 0.0 348.6



#74

N-ethyl acetate

Concen: 0.416 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN083983.D

Acq: 18 Sep 2024 15:27

Tgt Ion: 43 Resp: 1525

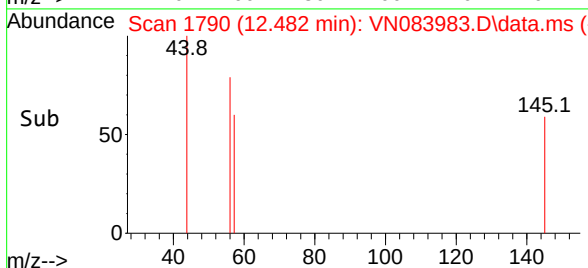
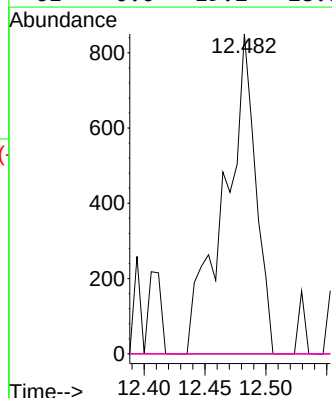
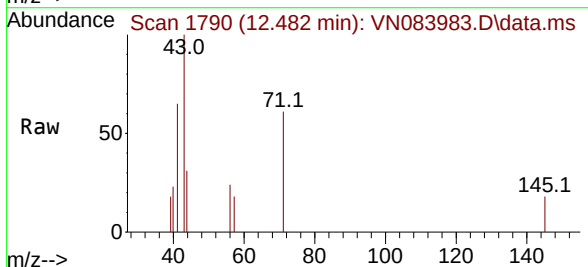
Ion Ratio Lower Upper

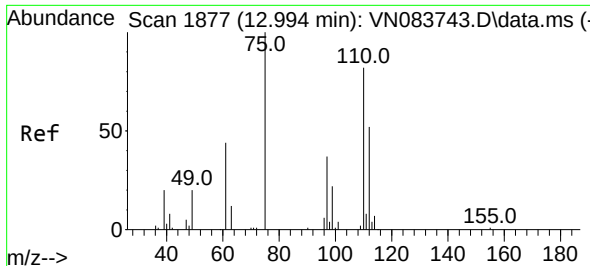
43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#

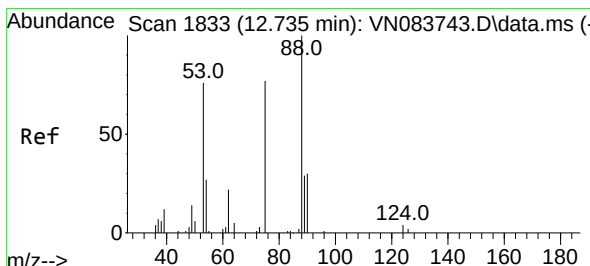
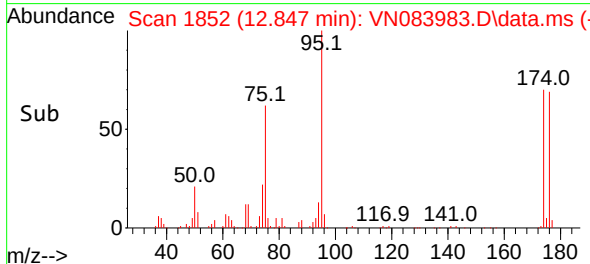
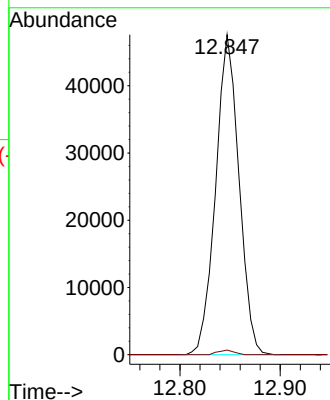
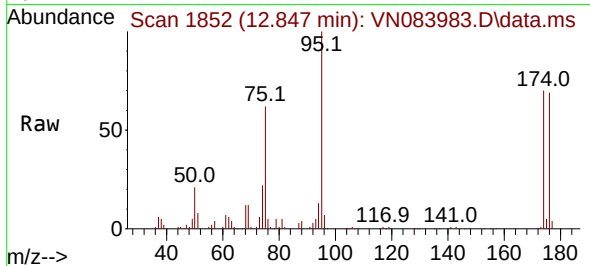




#76
1,2,3-Trichloropropane
Concen: 34.252 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

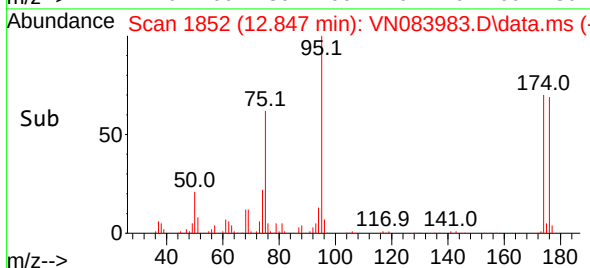
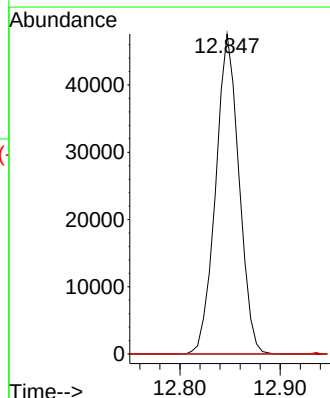
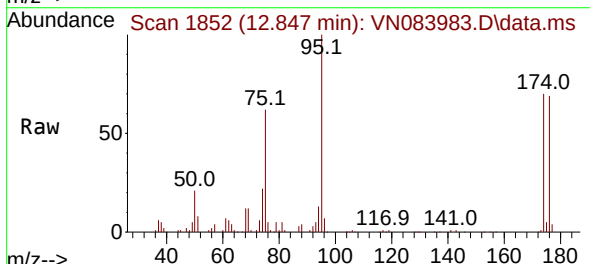
Instrument :
MSVOA_N
ClientSampleId :

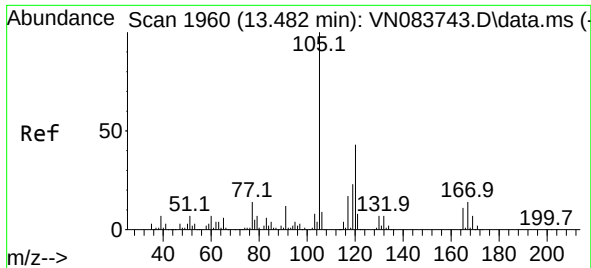
Tgt Ion: 75 Resp: 76726
Ion Ratio Lower Upper
75 100
77 1.0 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.709 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083983.D
Acq: 18 Sep 2024 15:27

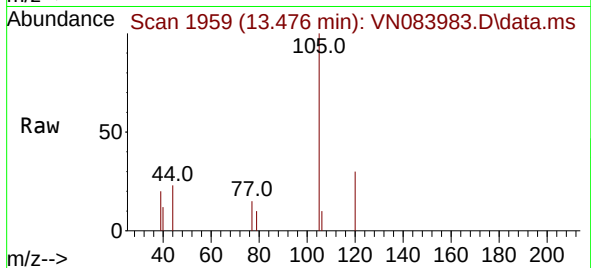
Tgt Ion: 75 Resp: 76726
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.331 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN083983.D
 Acq: 18 Sep 2024 15:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:105 Resp: 2410
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.8 65.4

