

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083725.D
 Acq On : 09 Sep 2024 18:36
 Operator : JC\MD
 Sample : PB163206TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:15:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

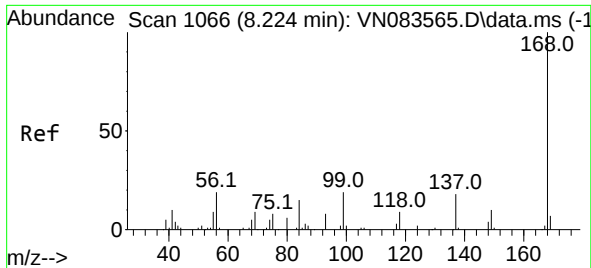
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	123843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	98962	57.176	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.360%	
35) Dibromofluoromethane	8.165	113	79035	50.047	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.100%	
50) Toluene-d8	10.565	98	295424	48.029	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 96.060%	
62) 4-Bromofluorobenzene	12.847	95	132675	58.238	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 116.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	1644	1.077	ug/l	95
6) Chloroethane	3.283	64	273	0.273	ug/l #	45
11) Tert butyl alcohol	5.488	59	3500	12.969	ug/l #	71
16) Acetone	4.436	43	22761	32.976	ug/l	92
18) Methyl Acetate	5.024	43	2775	1.512	ug/l #	76
20) Methylene Chloride	5.265	84	5432	3.564	ug/l	96
25) 2-Butanone	7.488	43	2023	2.153	ug/l #	86
29) Tetrahydrofuran	7.847	42	350	0.600	ug/l #	32
31) Cyclohexane	8.224	56	3297	1.231	ug/l #	59
36) 1,1-Dichloropropene	8.218	75	11618	4.823	ug/l #	51
37) Ethyl Acetate	7.559	43	3282	1.369	ug/l #	84
38) Carbon Tetrachloride	8.224	117	14659	5.334	ug/l #	15
43) Isopropyl Acetate	8.688	43	156888	32.191	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	1304	0.755	ug/l #	42
48) Methyl methacrylate	9.671	41	3529	1.795	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	5222	2.343	ug/l	94
53) t-1,3-Dichloropropene	10.729	75	824	0.294	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	44758	15.195	ug/l #	60
56) Ethyl methacrylate	10.988	69	1054	0.385	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5043	1.722	ug/l #	42
59) 2-Hexanone	11.170	43	110100	65.825	ug/l #	24
71) Bromoform	12.847	173	620	0.392	ug/l #	29
74) N-amyl acetate	12.482	43	1076	0.226	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	77396	28.313	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77396	66.779	ug/l #	9

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

Quant Time: Sep 10 02:15:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration

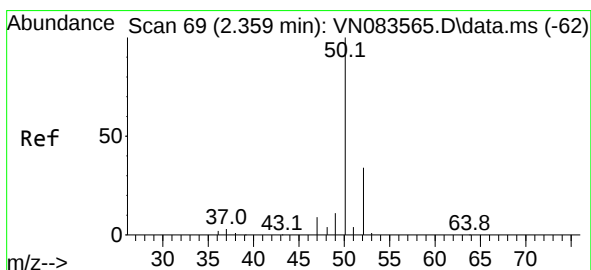
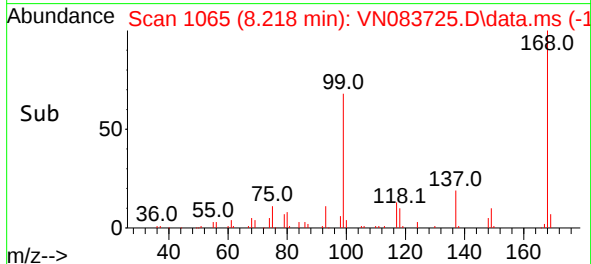
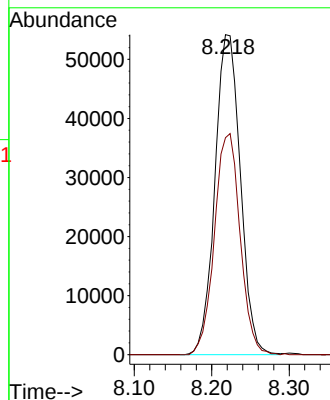
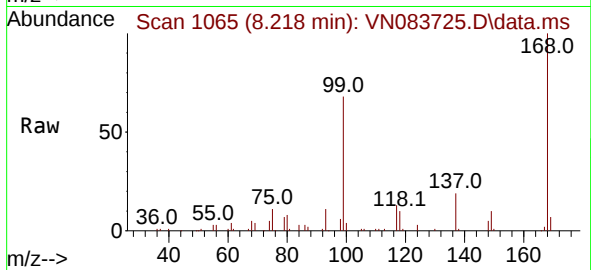




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

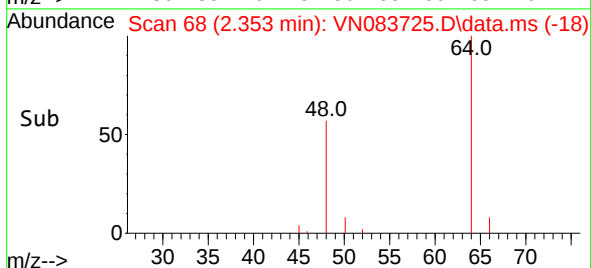
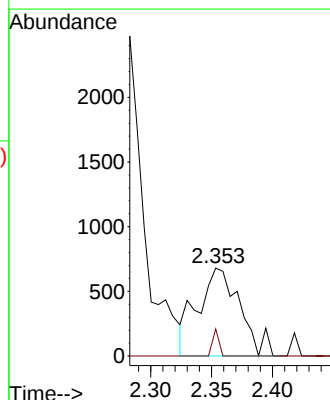
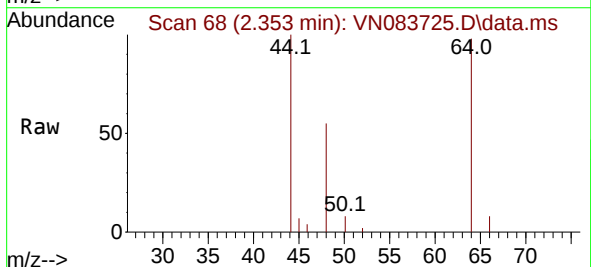
Instrument :
MSVOA_N
ClientSampleId :

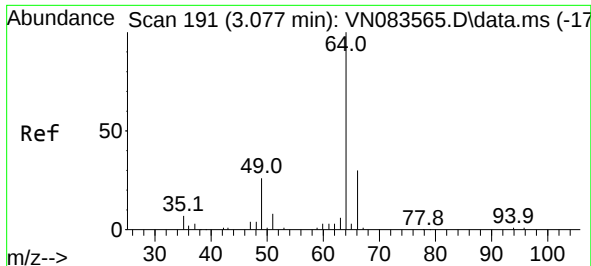
Tgt Ion:168 Resp: 123843
Ion Ratio Lower Upper
168 100
99 67.8 54.2 81.2



#3
Chloromethane
Concen: 1.077 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Tgt Ion: 50 Resp: 1644
Ion Ratio Lower Upper
50 100
52 30.9 27.2 40.8

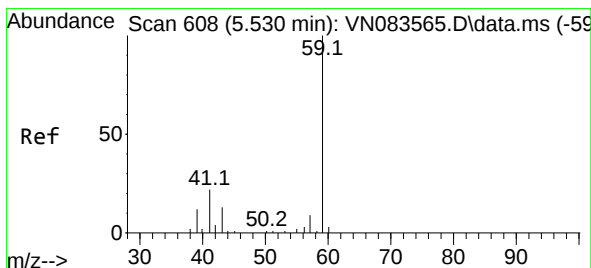
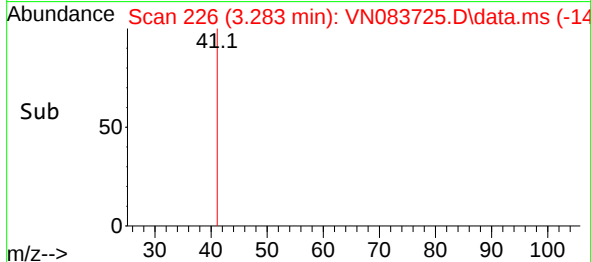
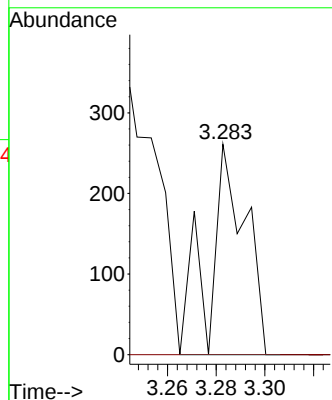
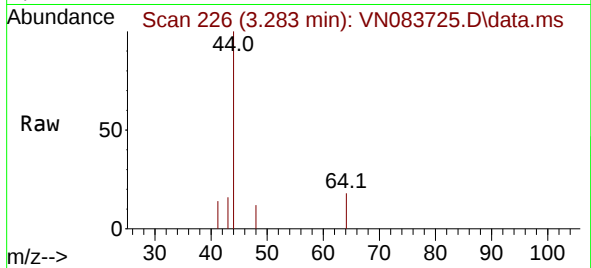




#6
Chloroethane
Concen: 0.273 ug/l
RT: 3.283 min Scan# 21
Delta R.T. 0.206 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

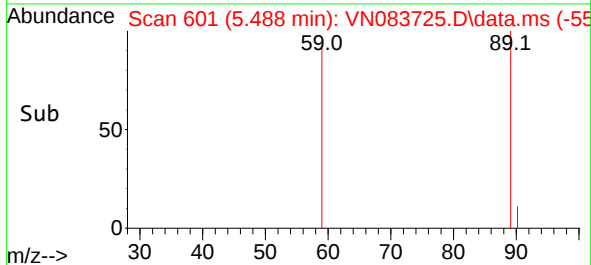
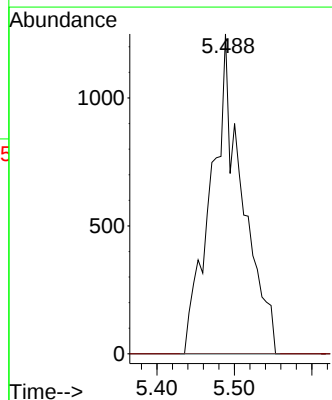
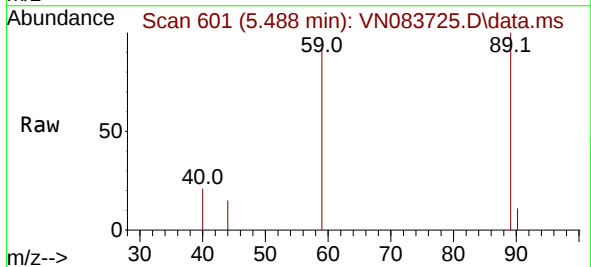
Instrument :
MSVOA_N
ClientSampleId :

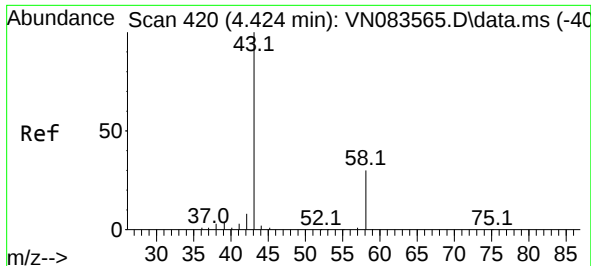
Tgt Ion: 64 Resp: 273
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#11
Tert butyl alcohol
Concen: 12.969 ug/l
RT: 5.488 min Scan# 601
Delta R.T. -0.041 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

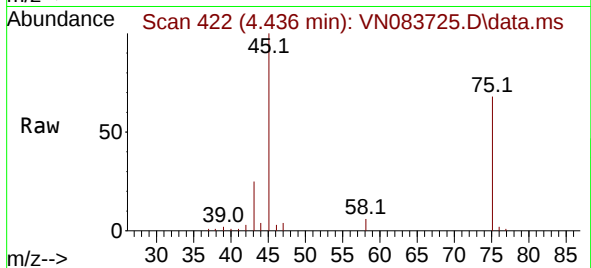
Tgt Ion: 59 Resp: 3500
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



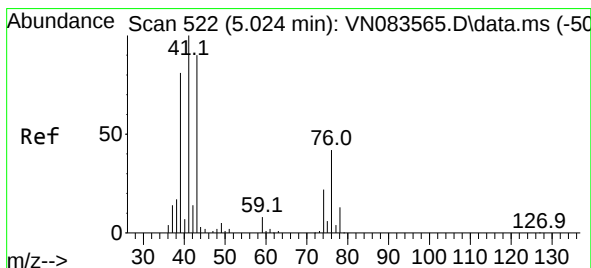
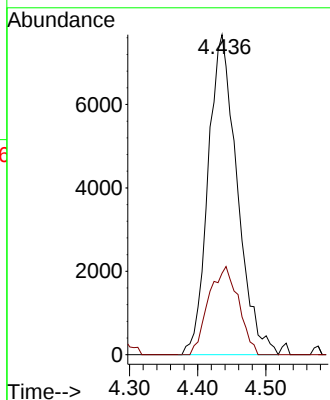
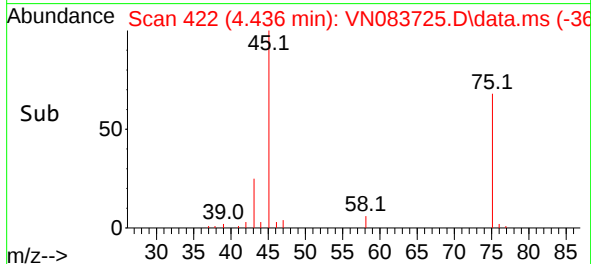


#16
Acetone
Concen: 32.976 ug/l
RT: 4.436 min Scan# 431
Delta R.T. 0.012 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

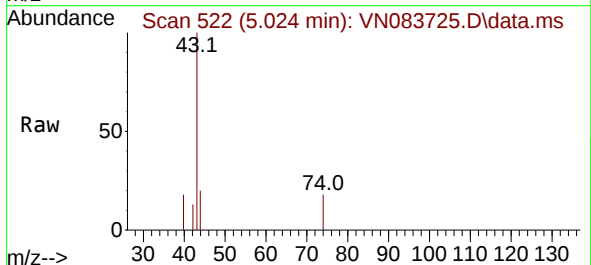
Instrument :
MSVOA_N
ClientSampleId :



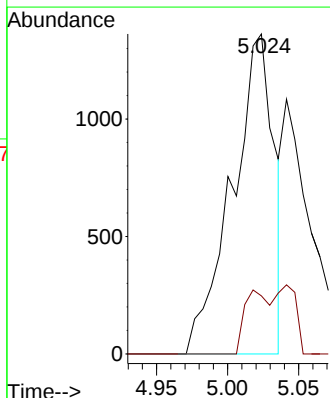
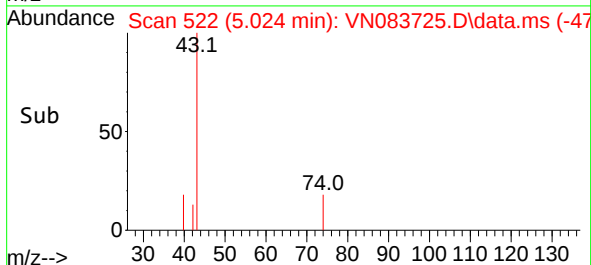
Tgt Ion: 43 Resp: 22761
Ion Ratio Lower Upper
43 100
58 25.5 23.7 35.5

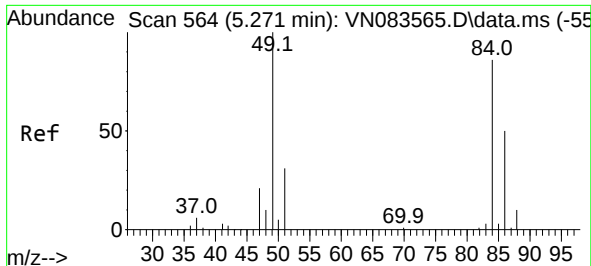


#18
Methyl Acetate
Concen: 1.512 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36



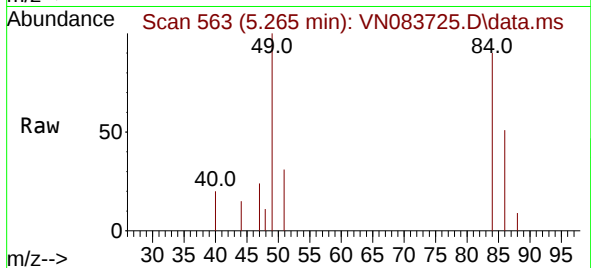
Tgt Ion: 43 Resp: 2775
Ion Ratio Lower Upper
43 100
74 11.9 19.0 28.4#



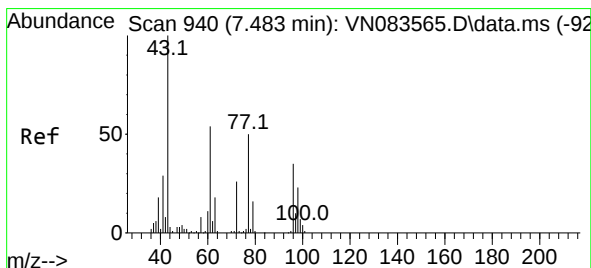
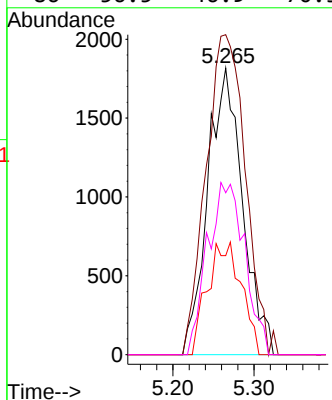
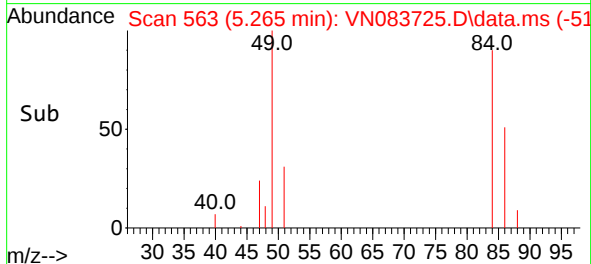


#20
Methylene Chloride
Concen: 3.564 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Instrument :
MSVOA_N
ClientSampleId :

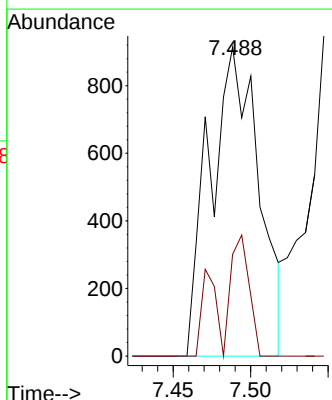
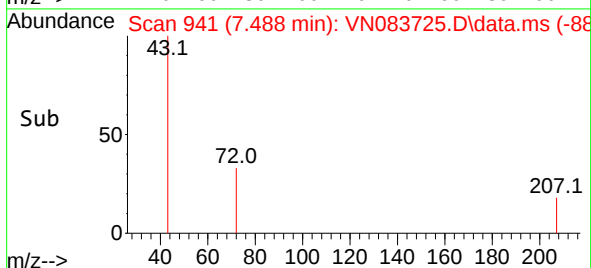
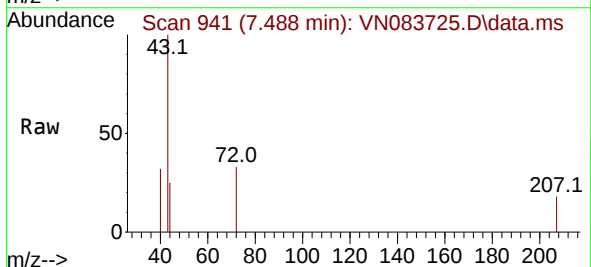


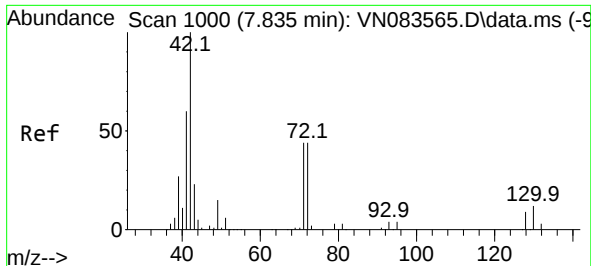
Tgt Ion: 84	Resp: 5432
Ion Ratio	Lower Upper
84 100	
49 111.7	93.4 140.0
51 34.6	29.2 43.8
86 56.5	46.9 70.3



#25
2-Butanone
Concen: 2.153 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Tgt Ion: 43	Resp: 2023
Ion Ratio	Lower Upper
43 100	
72 32.9	20.8 31.2#





#29

Tetrahydrofuran

Concen: 0.600 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

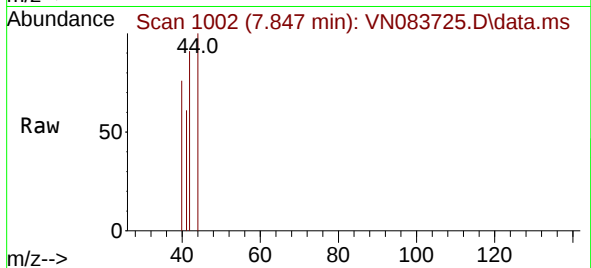
Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

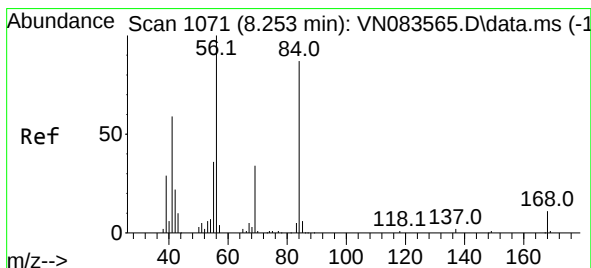
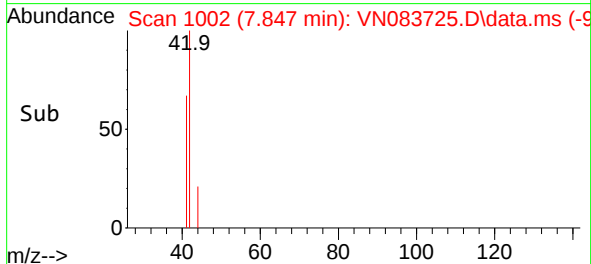
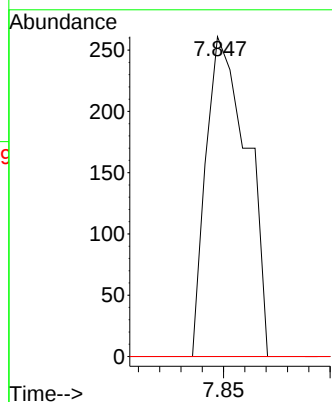
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	350
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	33.9	50.9#



#31

Cyclohexane

Concen: 1.231 ug/l

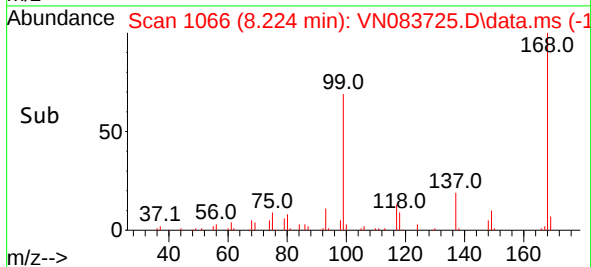
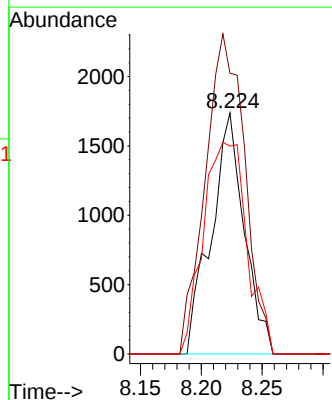
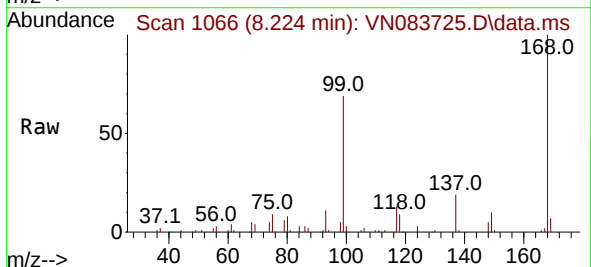
RT: 8.224 min Scan# 1066

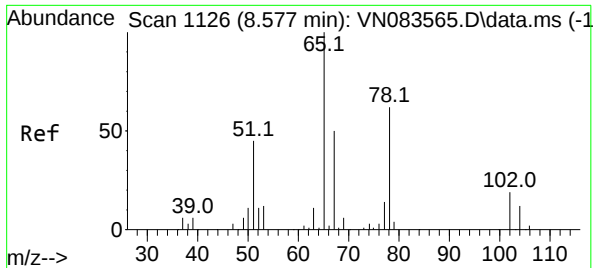
Delta R.T. -0.029 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Tgt Ion:	56	Resp:	3297
Ion	Ratio	Lower	Upper
56	100		
69	116.6	26.9	40.3#
84	86.2	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 57.176 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Instrument :

MSVOA_N

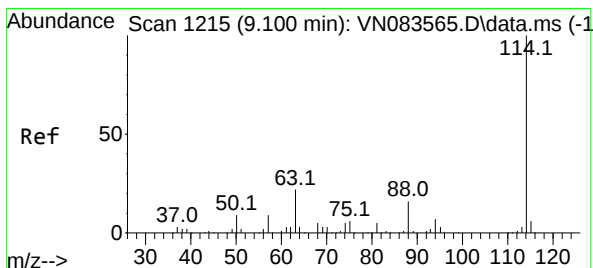
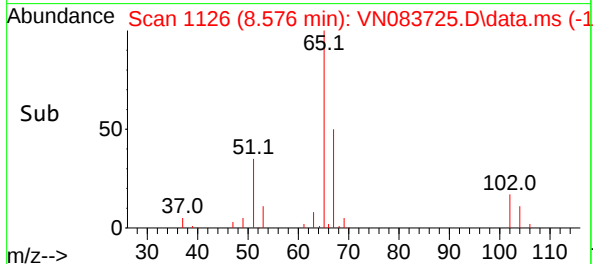
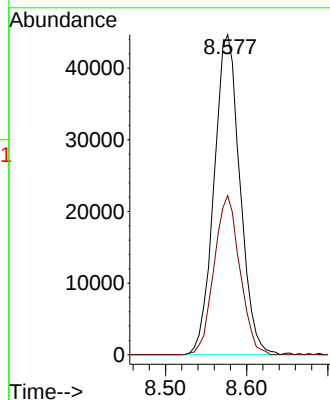
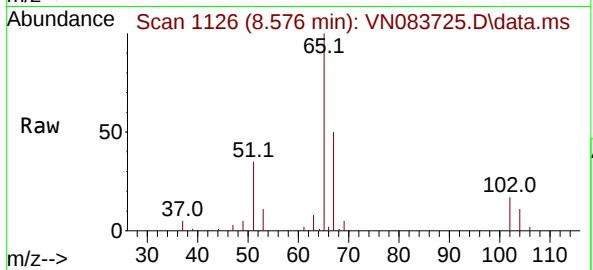
ClientSampleId :

Tgt Ion: 65 Resp: 98962

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

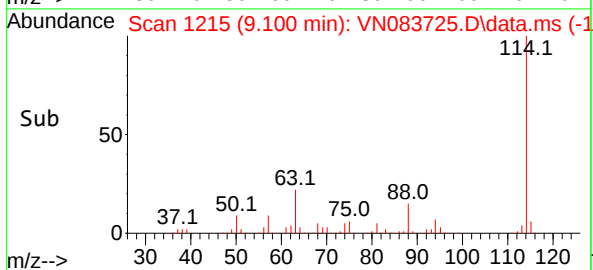
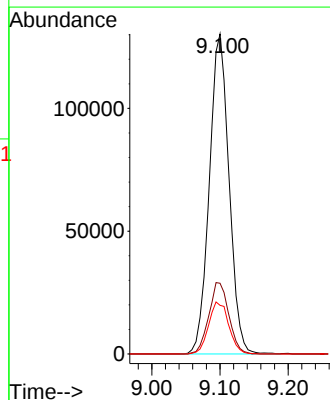
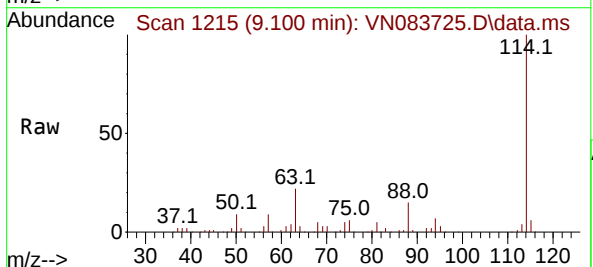
Tgt Ion: 114 Resp: 262384

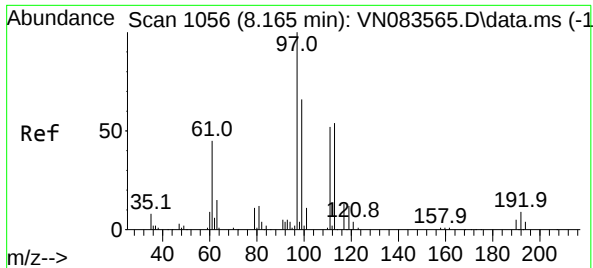
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

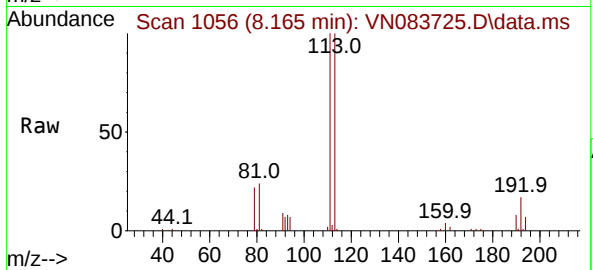
88 15.2 0.0 32.6



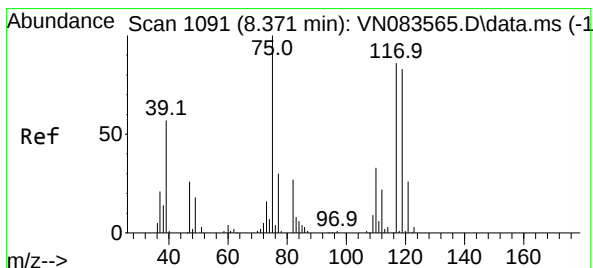
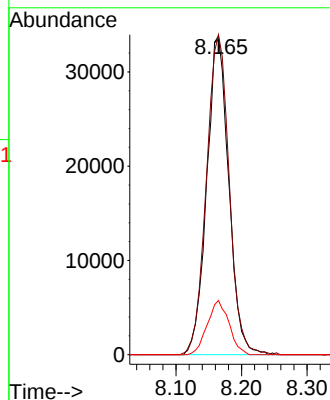
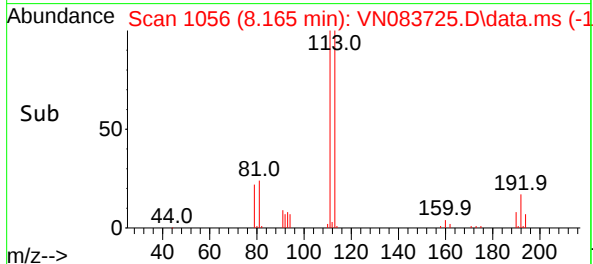


#35
Dibromofluoromethane
Concen: 50.047 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Instrument :
MSVOA_N
ClientSampleId :

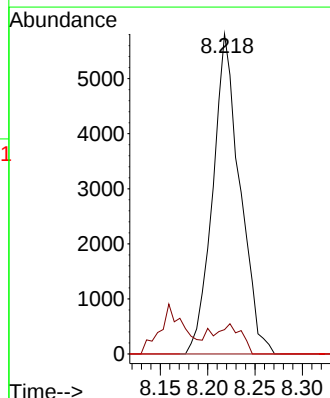
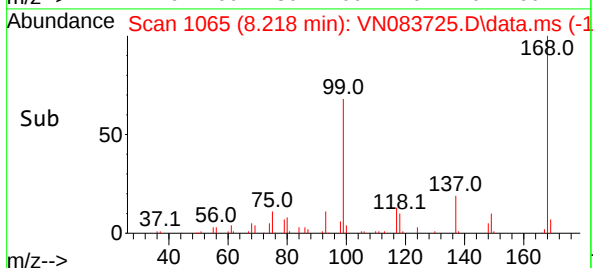
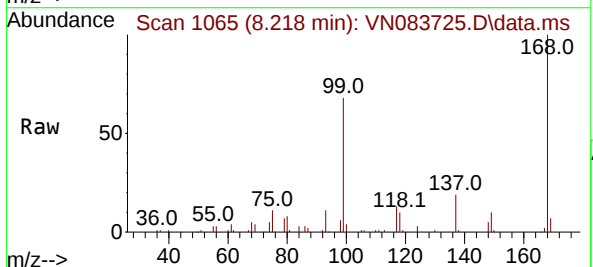


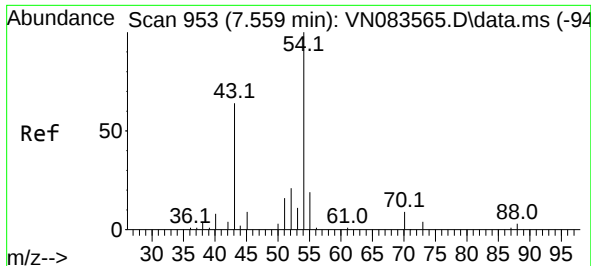
Tgt Ion:113 Resp: 79035
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 16.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.823 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Tgt Ion: 75 Resp: 11618
Ion Ratio Lower Upper
75 100
110 9.8 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.369 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083725.D

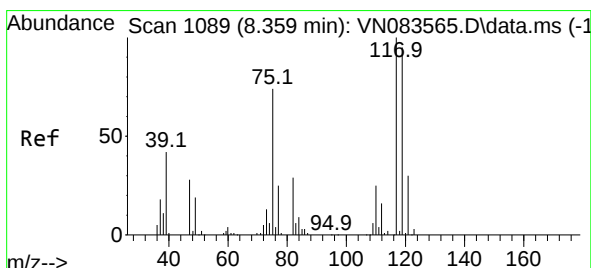
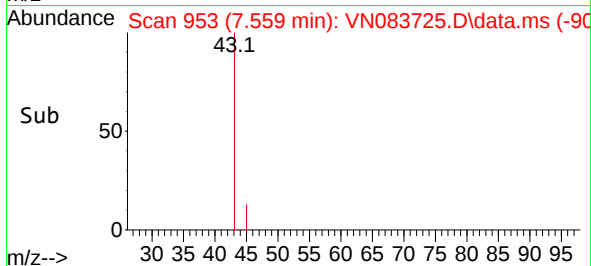
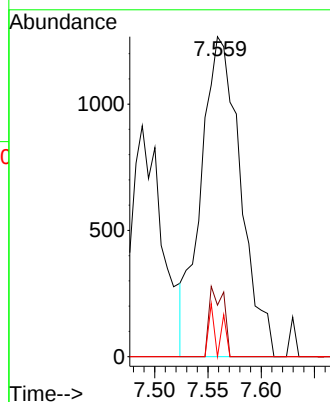
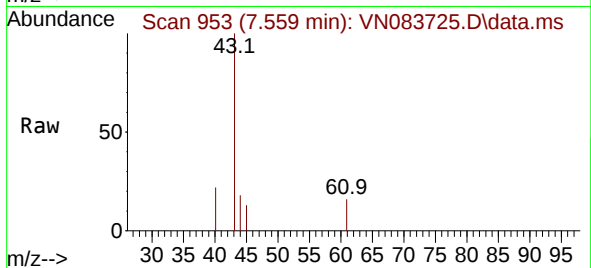
Acq: 09 Sep 2024 18:36

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	3282
Ion	Ratio	Lower	Upper
43	100		
61	7.9	11.1	16.7#
70	4.1	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.334 ug/l

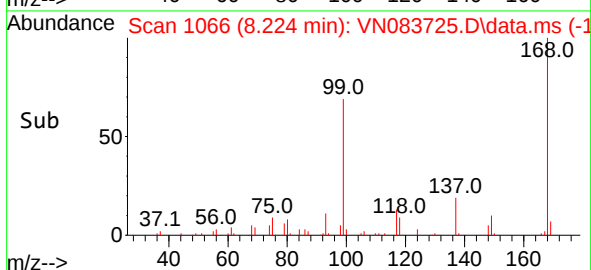
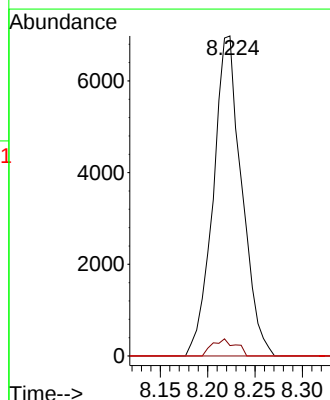
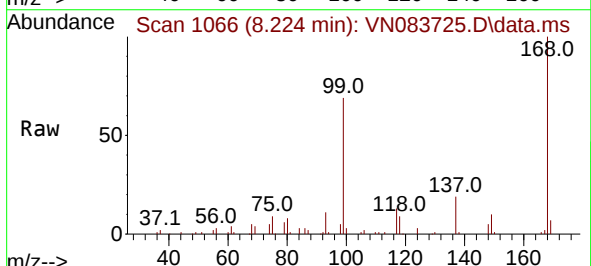
RT: 8.224 min Scan# 1066

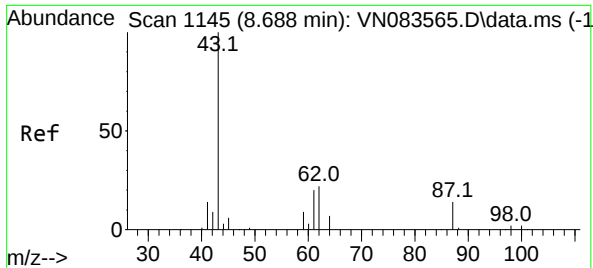
Delta R.T. -0.135 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Tgt Ion:	117	Resp:	14659
Ion	Ratio	Lower	Upper
117	100		
119	3.2	76.1	114.1#
121	0.0	24.1	36.1#

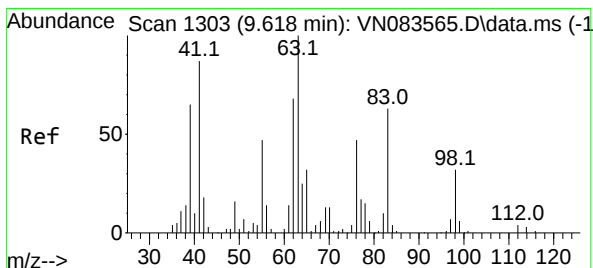
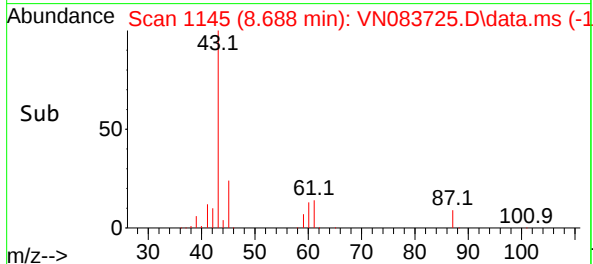
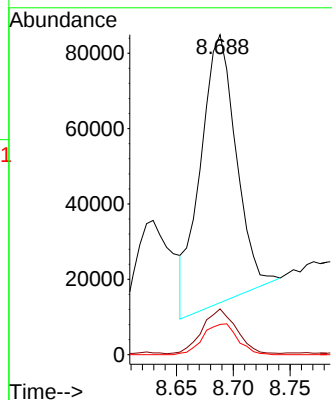
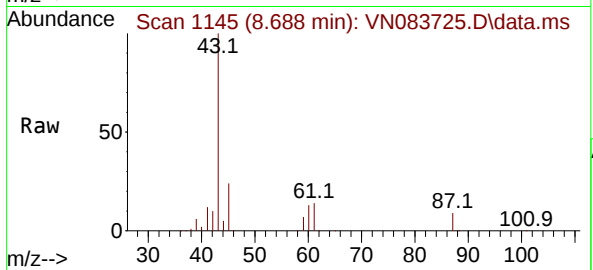




#43
Isopropyl Acetate
Concen: 32.191 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

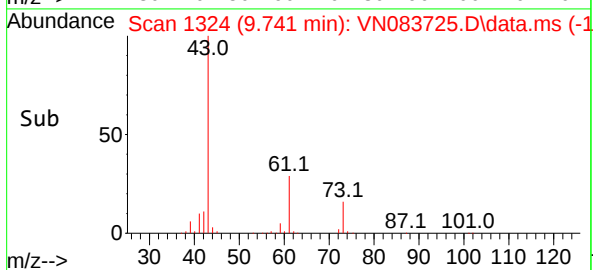
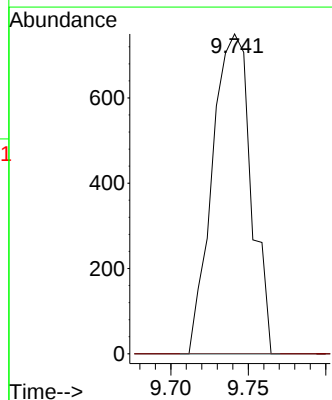
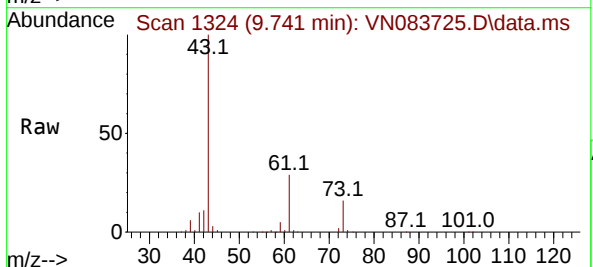
Instrument :
MSVOA_N
ClientSampleId :

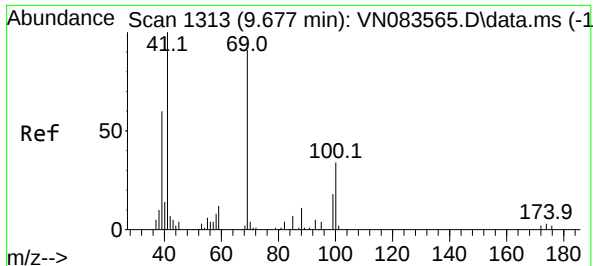
Tgt Ion: 43 Resp: 156888
Ion Ratio Lower Upper
43 100
61 15.8 19.4 29.0#
87 11.0 9.8 14.6



#45
1,2-Dichloropropane
Concen: 0.755 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Tgt Ion: 63 Resp: 1304
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.795 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Instrument :

MSVOA_N

ClientSampleId :

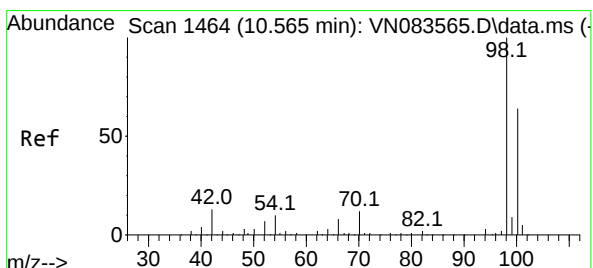
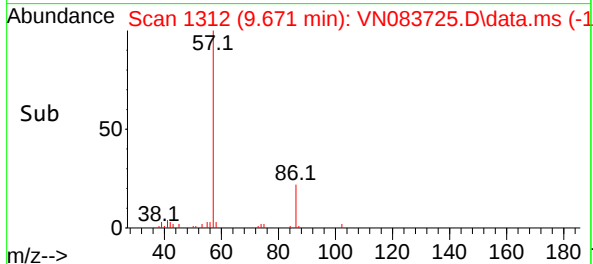
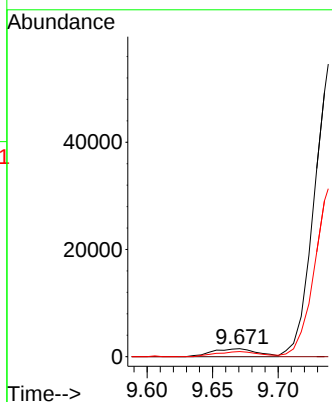
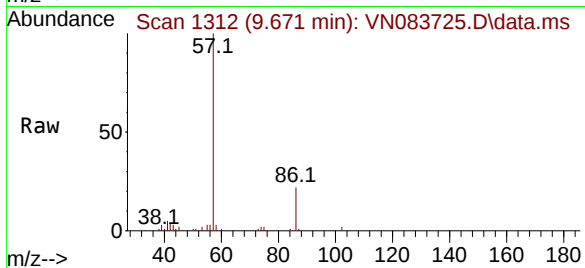
Tgt Ion: 41 Resp: 3529

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 62.3 48.9 73.3



#50

Toluene-d8

Concen: 48.029 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083725.D

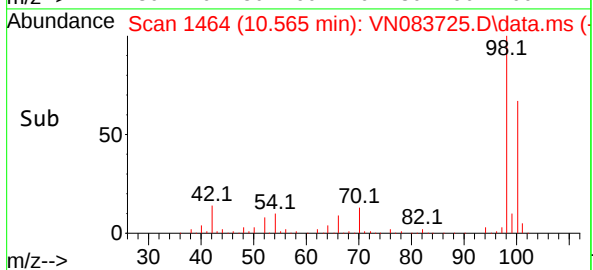
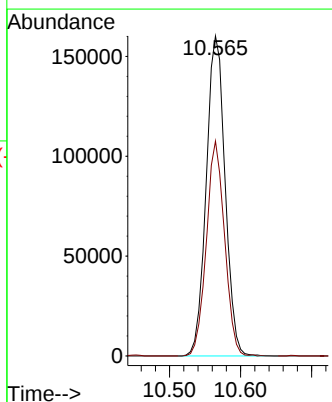
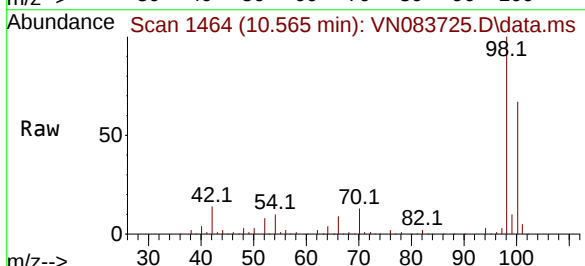
Acq: 09 Sep 2024 18:36

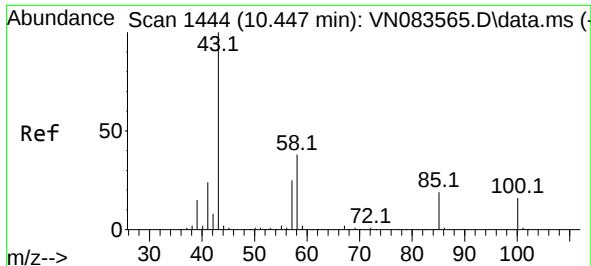
Tgt Ion: 98 Resp: 295424

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

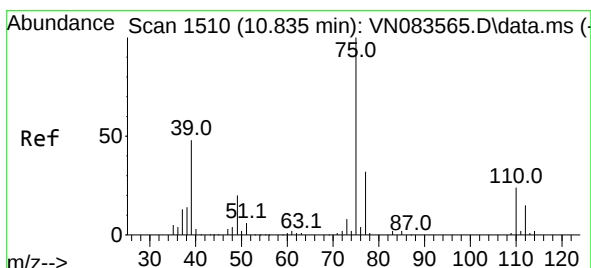
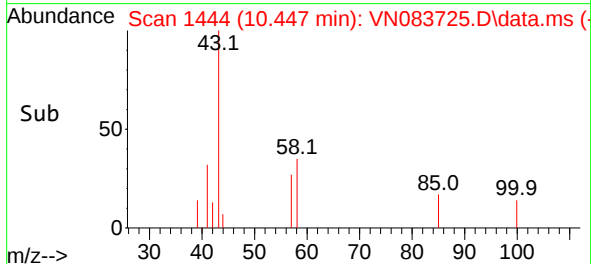
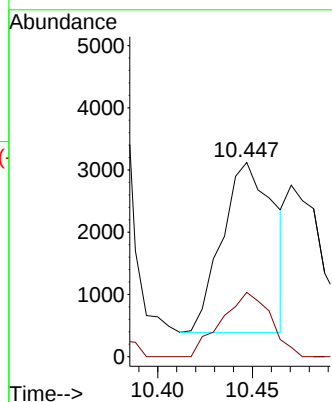
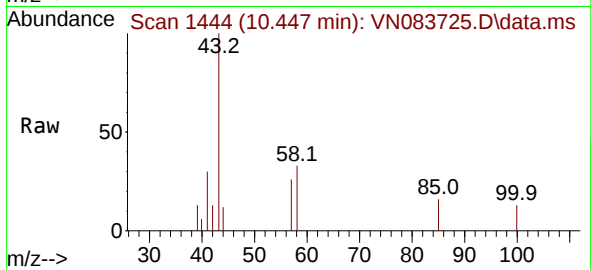




#51
4-Methyl-2-Pentanone
Concen: 2.343 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

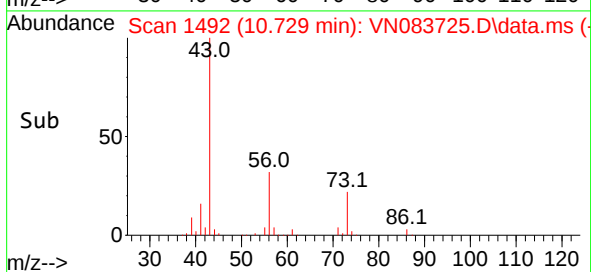
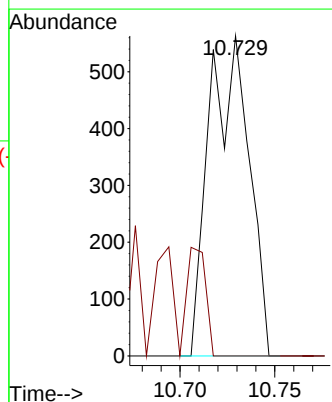
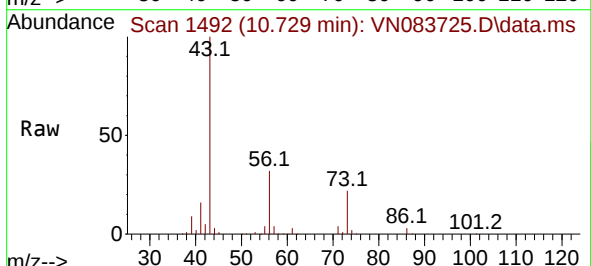
Instrument :
MSVOA_N
ClientSampleId :

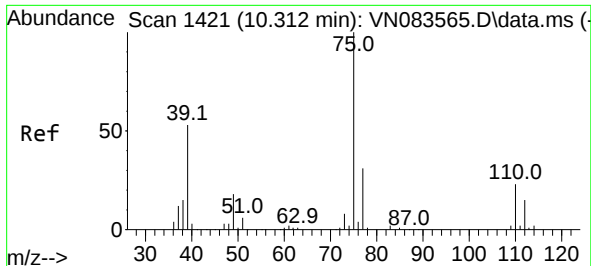
Tgt Ion: 43 Resp: 5222
Ion Ratio Lower Upper
43 100
58 35.7 31.6 47.4



#53
t-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

Tgt Ion: 75 Resp: 824
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#

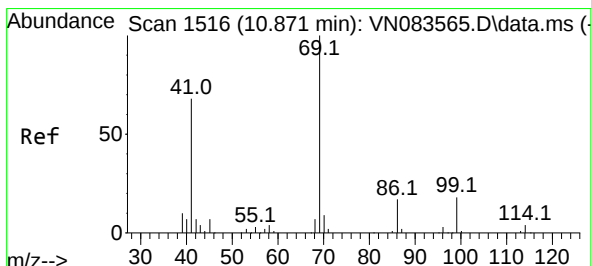
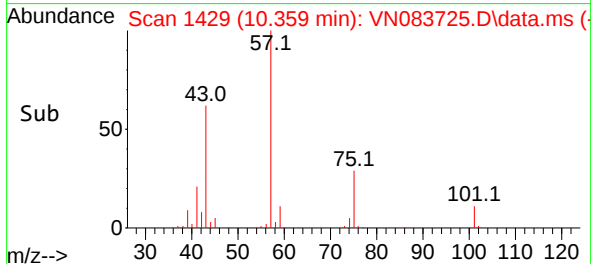
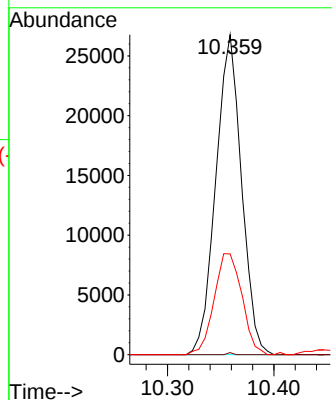
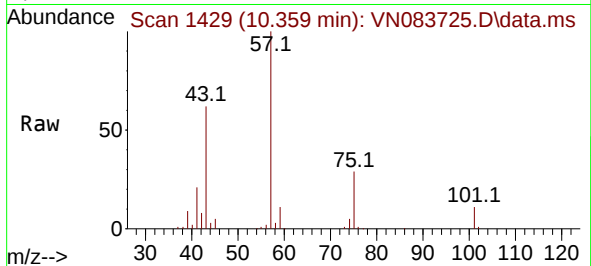




#54
 cis-1,3-Dichloropropene
 Concen: 15.195 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN083725.D
 Acq: 09 Sep 2024 18:36

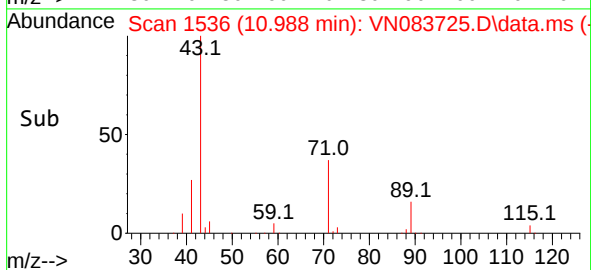
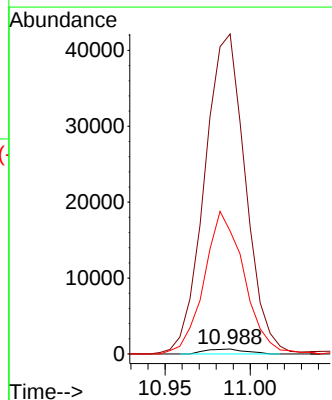
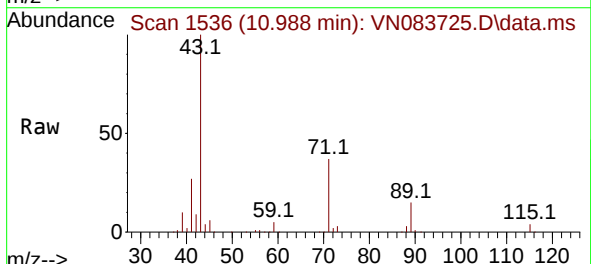
Instrument :
 MSVOA_N
 ClientSampleId :

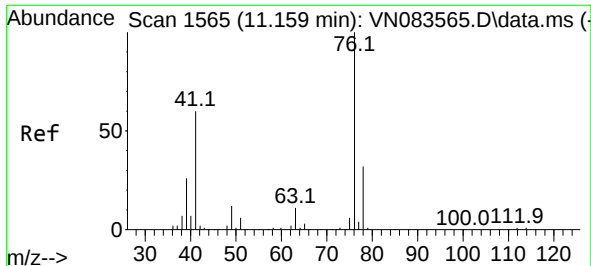
Tgt Ion: 75 Resp: 44758
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 31.5 42.6 64.0#



#56
 Ethyl methacrylate
 Concen: 0.385 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN083725.D
 Acq: 09 Sep 2024 18:36

Tgt Ion: 69 Resp: 1054
 Ion Ratio Lower Upper
 69 100
 41 6680.5 53.9 80.9#
 39 2913.7 32.6 48.8#





#57

1,3-Dichloropropane

Concen: 1.722 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Instrument :

MSVOA_N

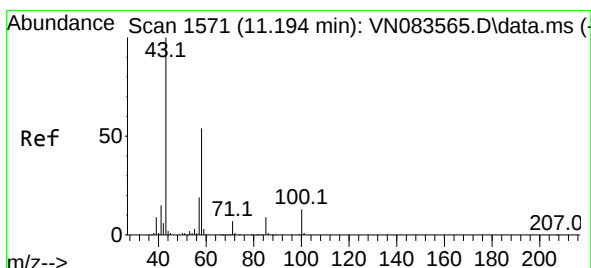
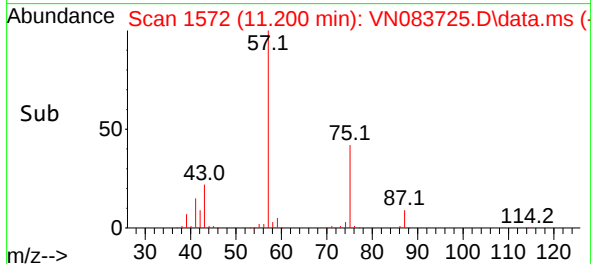
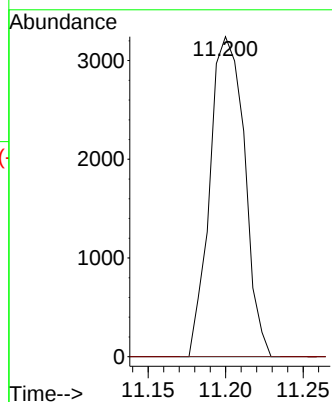
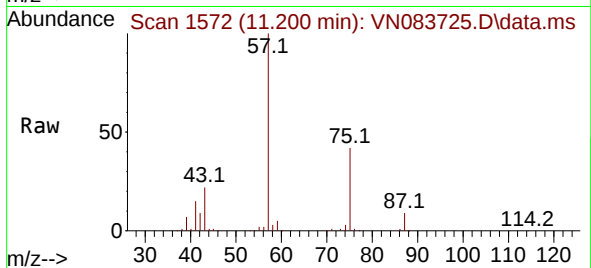
ClientSampleId :

Tgt Ion: 76 Resp: 5043

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 65.825 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083725.D

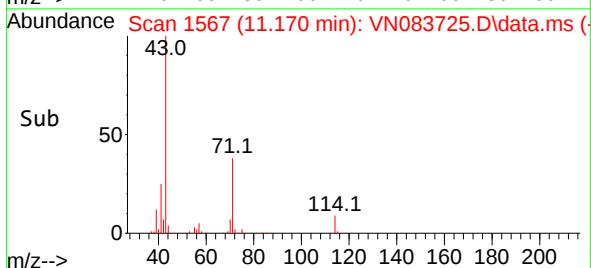
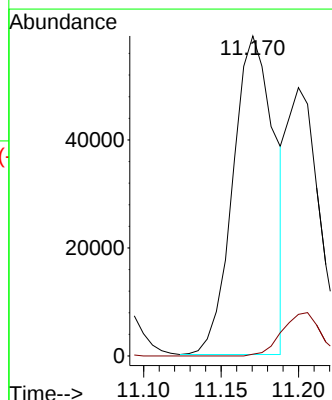
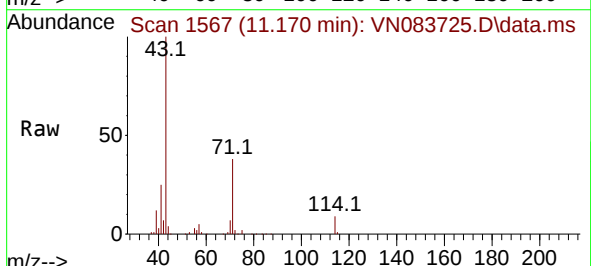
Acq: 09 Sep 2024 18:36

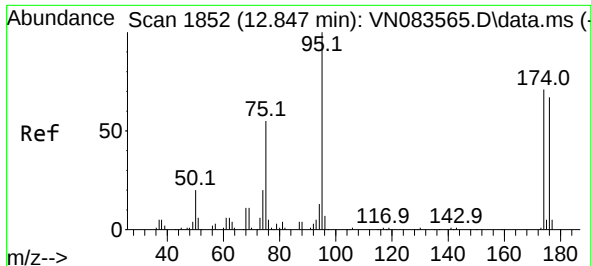
Tgt Ion: 43 Resp: 110100

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

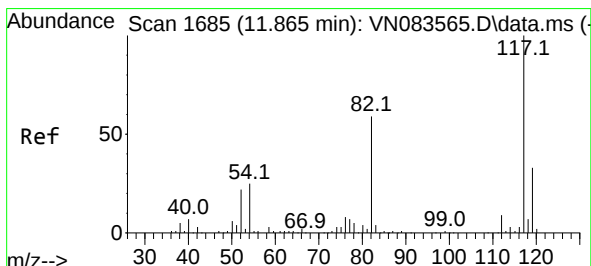
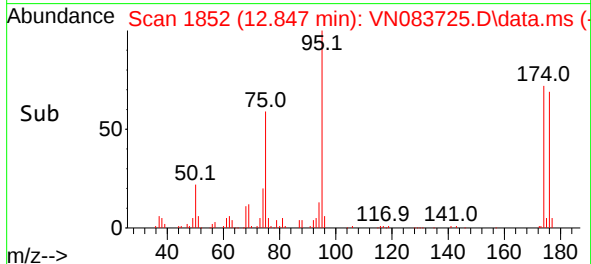
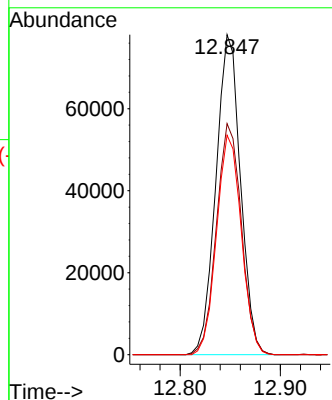
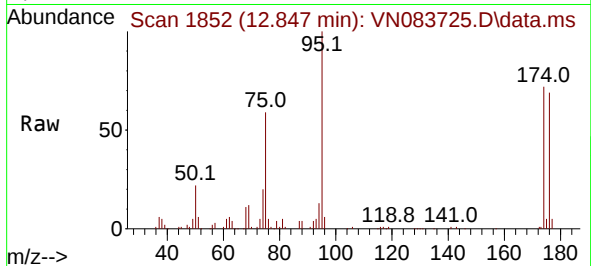




#62
4-Bromofluorobenzene
Concen: 58.238 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

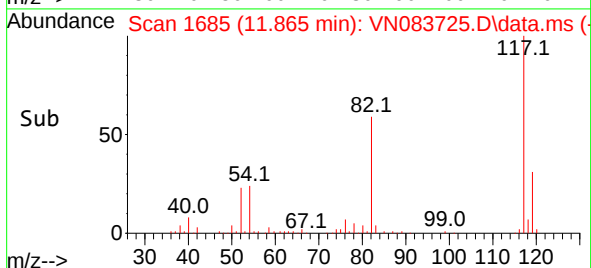
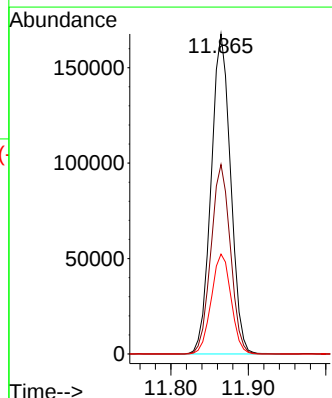
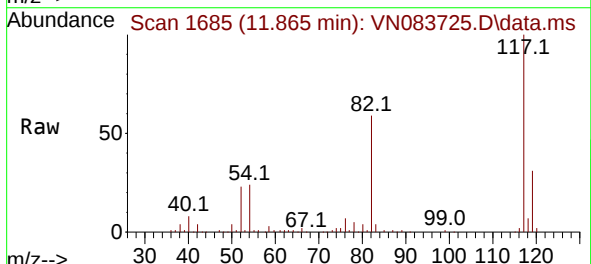
Instrument :
MSVOA_N
ClientSampleId :

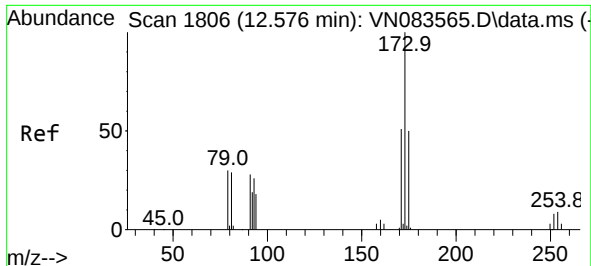
Tgt Ion: 95 Resp: 132675
Ion Ratio Lower Upper
95 100
174 73.3 0.0 139.8
176 69.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

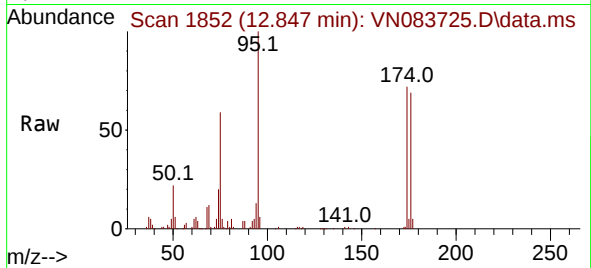
Tgt Ion: 117 Resp: 293053
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.0
119 31.2 26.3 39.5



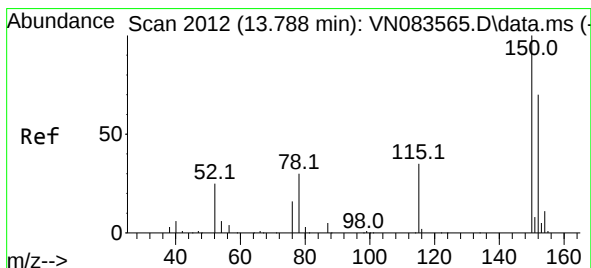
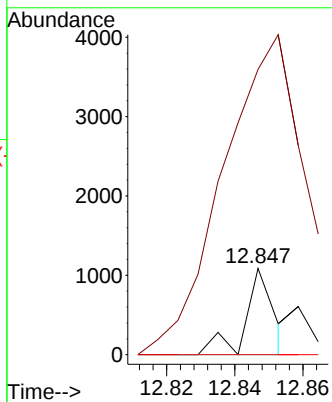
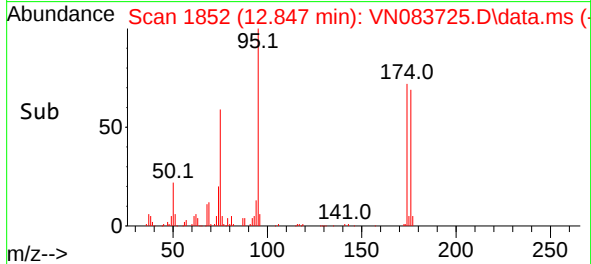


#71
Bromoform
Concen: 0.392 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.270 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36

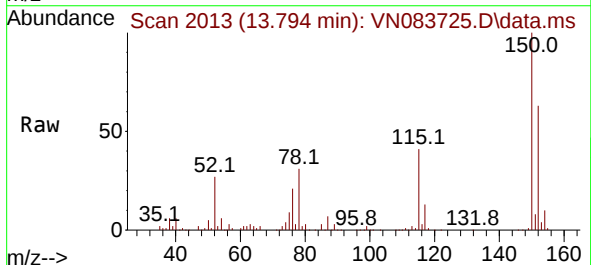
Instrument :
MSVOA_N
ClientSampleId :



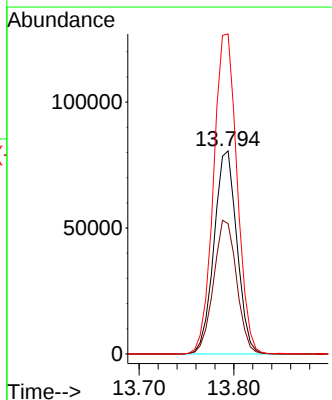
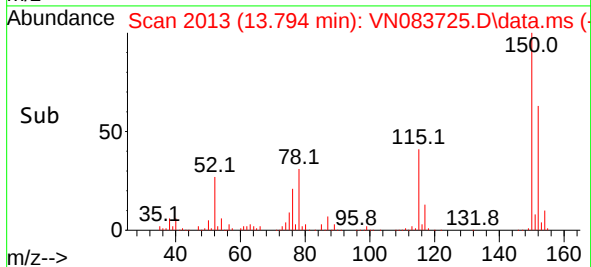
Tgt Ion:173 Resp: 620
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

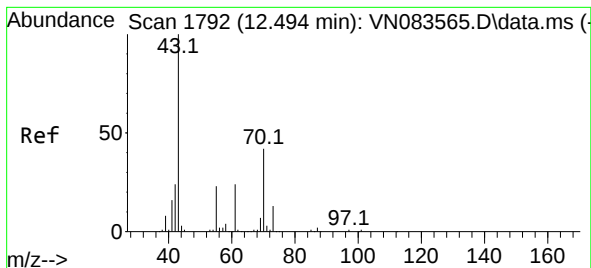


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083725.D
Acq: 09 Sep 2024 18:36



Tgt Ion:152 Resp: 135394
Ion Ratio Lower Upper
152 100
115 66.5 32.2 96.6
150 162.1 0.0 348.6





#74

N-amy1 acetate

Concen: 0.226 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

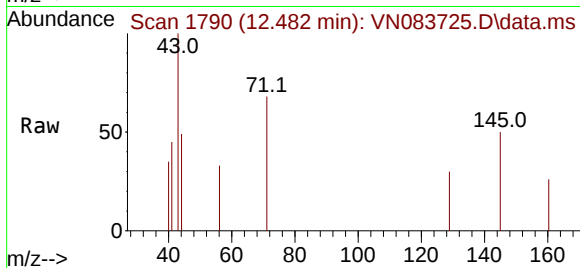
Lab File: VN083725.D

Acq: 09 Sep 2024 18:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1076

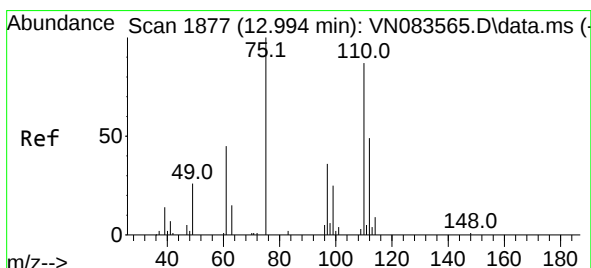
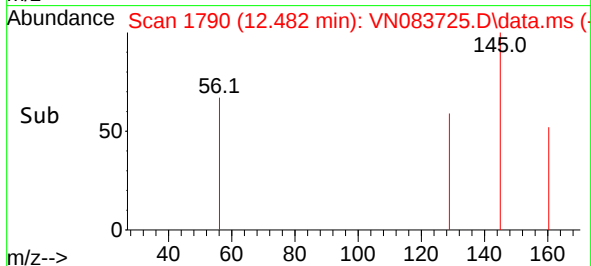
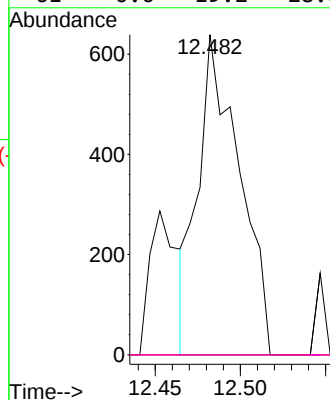
Ion Ratio Lower Upper

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: 28.313 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083725.D

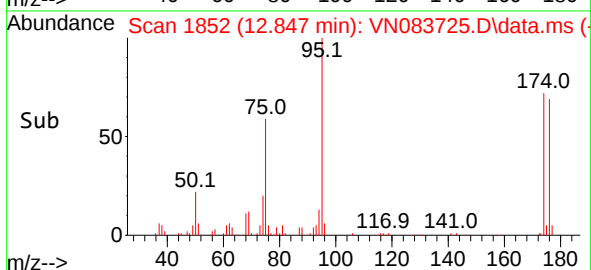
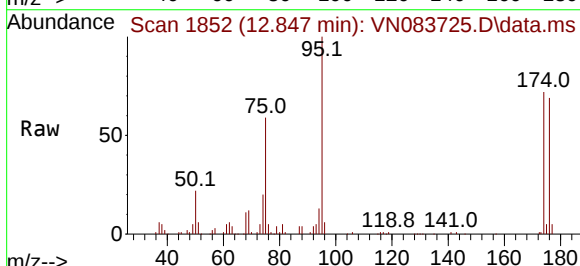
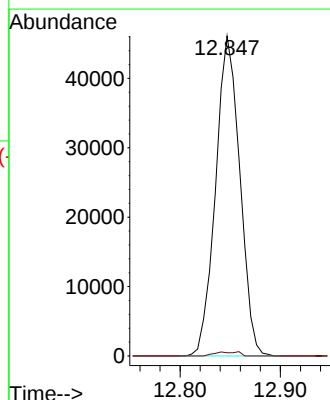
Acq: 09 Sep 2024 18:36

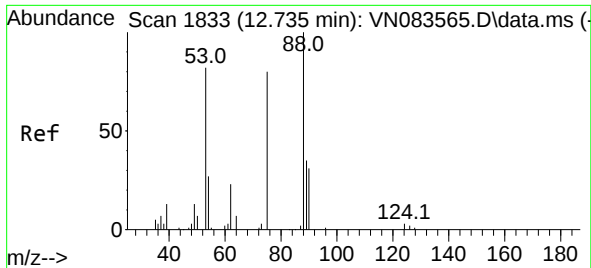
Tgt Ion: 75 Resp: 77396

Ion Ratio Lower Upper

75 100

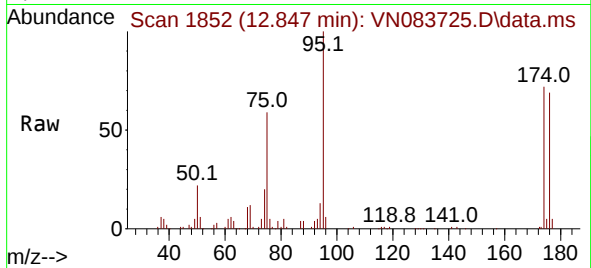
77 1.2 95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.779 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083725.D
 Acq: 09 Sep 2024 18:36

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 77396
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

