

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083628.D
 Acq On : 03 Sep 2024 16:45
 Operator : JC\MD
 Sample : PB163072ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 02:59:01 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)

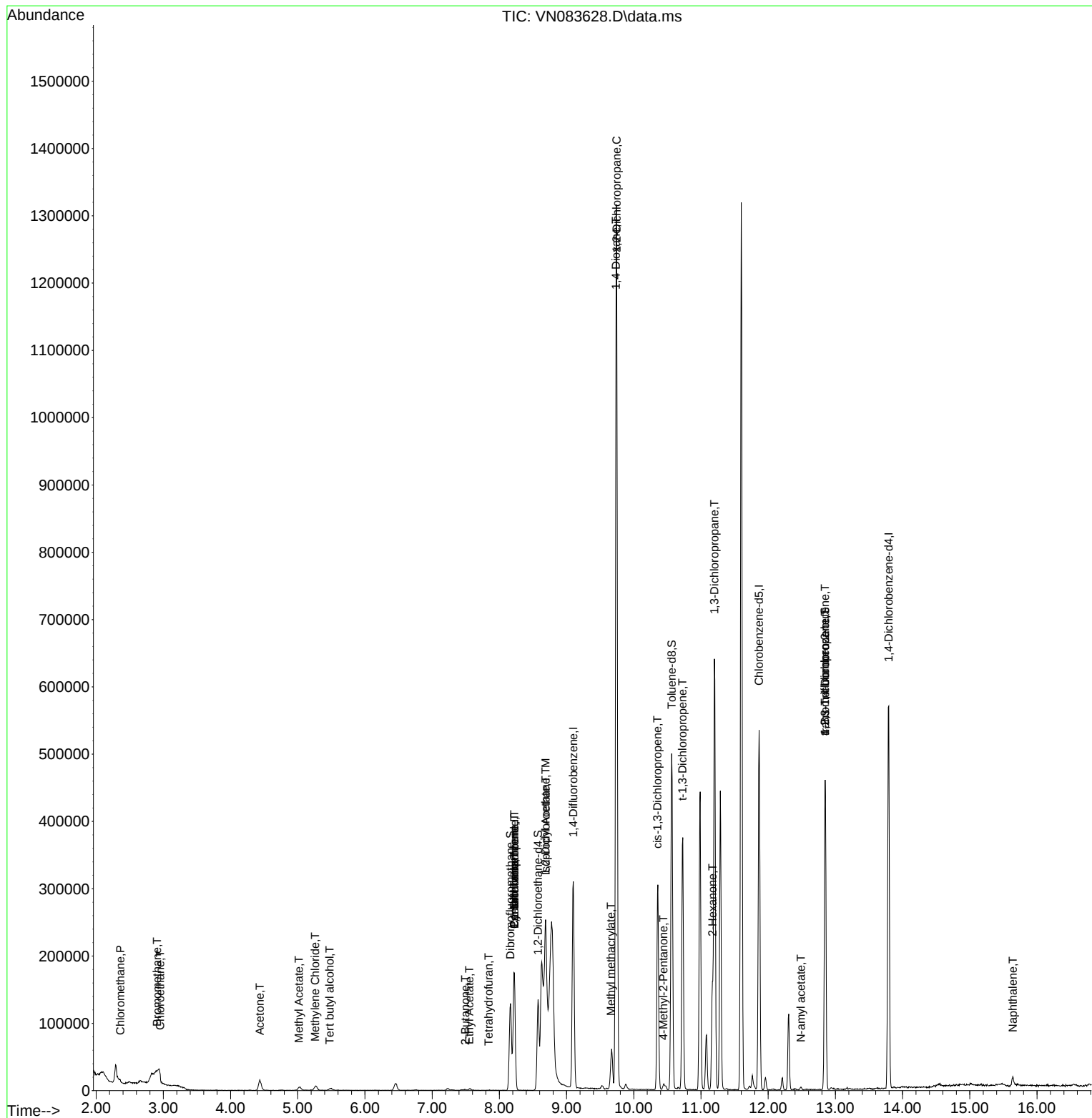
Internal Standards						
1) Pentafluorobenzene	8.224	168	120720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258677	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114410	67.811	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 135.620%#	
35) Dibromofluoromethane	8.165	113	92046	59.121	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 118.240%	
50) Toluene-d8	10.565	98	340222	55.914	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.820%	
62) 4-Bromofluorobenzene	12.847	95	166290	74.039	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 148.080%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	757	0.509	ug/l #	41
5) Bromomethane	2.906	94	526	0.672	ug/l	87
6) Chloroethane	2.953	64	1000	1.027	ug/l #	58
11) Tert butyl alcohol	5.477	59	1959	7.447	ug/l #	71
16) Acetone	4.436	43	25337	37.658	ug/l	98
18) Methyl Acetate	5.018	43	10382	5.802	ug/l	97
20) Methylene Chloride	5.259	84	5255	3.537	ug/l	88
25) 2-Butanone	7.494	43	3046	3.325	ug/l	99
29) Tetrahydrofuran	7.841	42	309	0.544	ug/l #	47
31) Cyclohexane	8.224	56	3195	1.224	ug/l #	23
36) 1,1-Dichloropropene	8.224	75	11432	4.814	ug/l #	49
37) Ethyl Acetate	7.553	43	4256	1.801	ug/l #	89
38) Carbon Tetrachloride	8.224	117	13202	4.872	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1530	0.565	ug/l #	77
43) Isopropyl Acetate	8.688	43	307005	65.087	ug/l #	77
45) 1,2-Dichloropropane	9.747	63	1571	0.923	ug/l #	42
48) Methyl methacrylate	9.659	41	4591	2.368	ug/l #	44
49) 1,4-Dioxane	9.735	88	176	5.541	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	6186	2.815	ug/l	89
53) t-1,3-Dichloropropene	10.723	75	989	0.357	ug/l #	42
54) cis-1,3-Dichloropropene	10.353	75	54058	18.615	ug/l #	58
57) 1,3-Dichloropropane	11.200	76	6718	2.327	ug/l #	42
59) 2-Hexanone	11.171	43	130638	79.223	ug/l #	24
74) N-amyl acetate	12.488	43	1707	0.329	ug/l #	51
76) 1,2,3-Trichloropropane	12.847	75	91849	30.835	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	91849	72.726	ug/l #	9
95) Naphthalene	15.641	128	12854	1.347	ug/l #	94

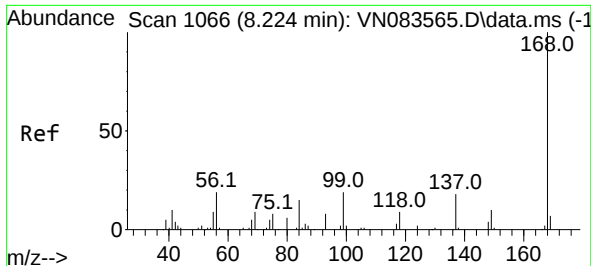
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
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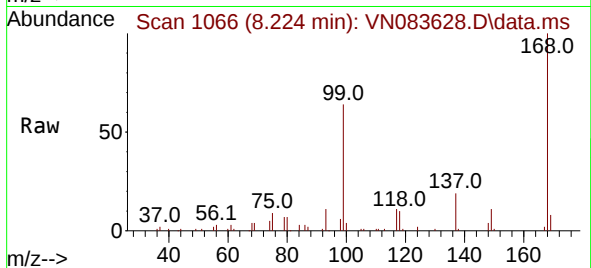
Quant Time: Sep 04 02:59:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
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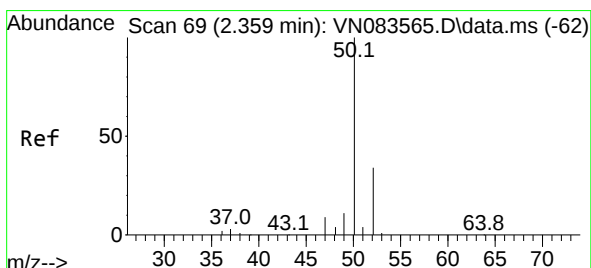
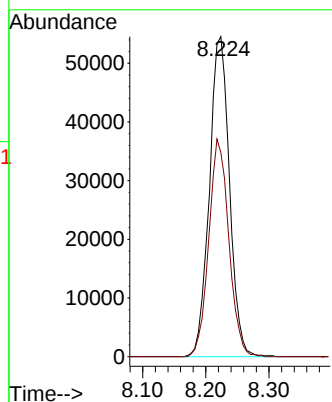
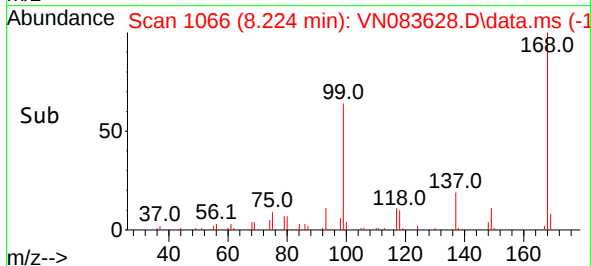


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

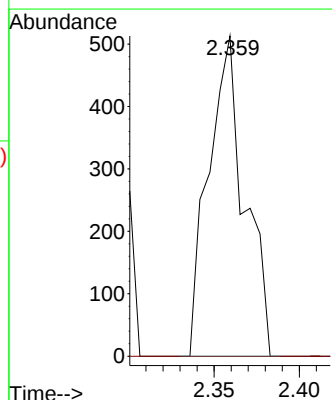
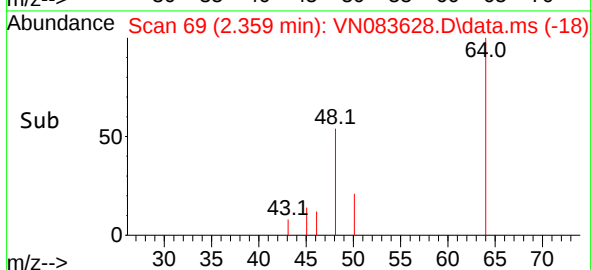
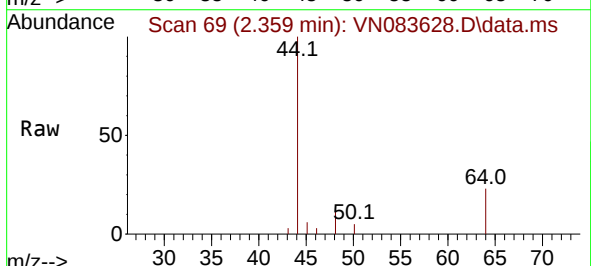


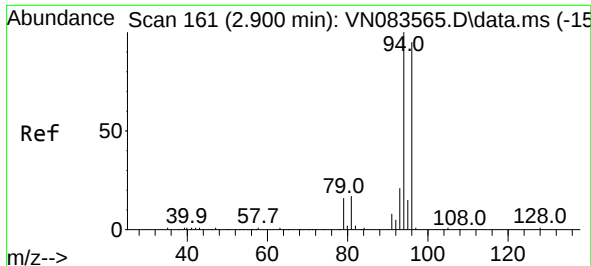
Tgt Ion:168 Resp: 120720
Ion Ratio Lower Upper
168 100
99 63.8 54.2 81.2



#3
Chloromethane
Concen: 0.509 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 50 Resp: 757
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

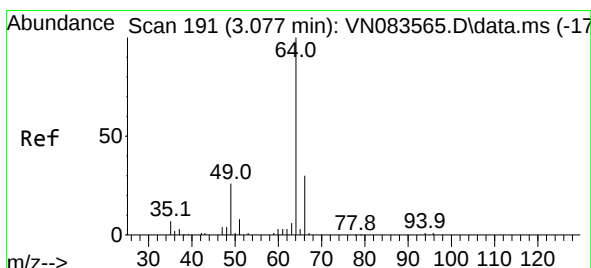
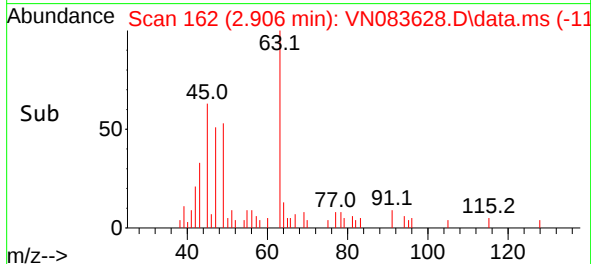
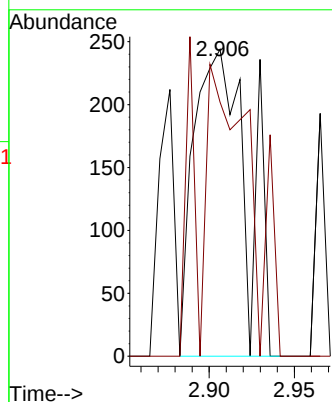
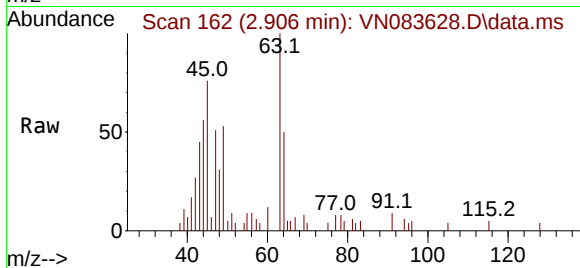




#5
Bromomethane
Concen: 0.672 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

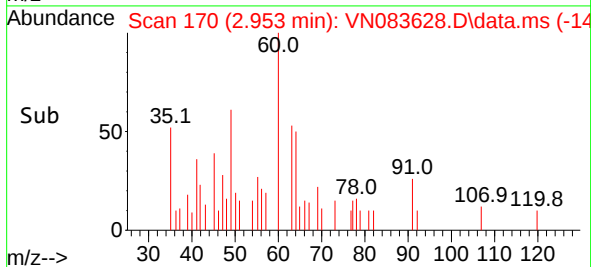
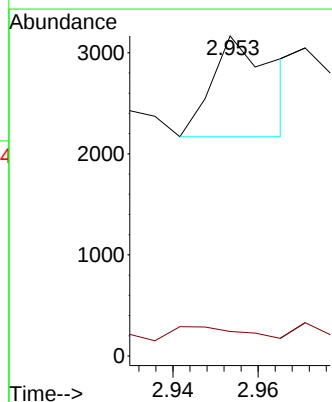
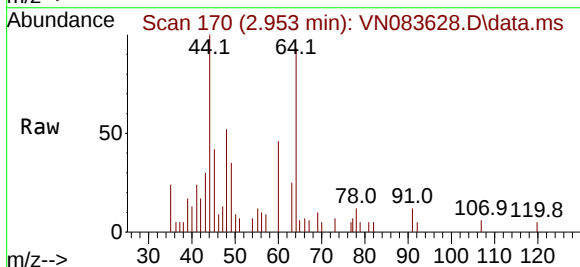
Instrument :
MSVOA_N
ClientSampleId :

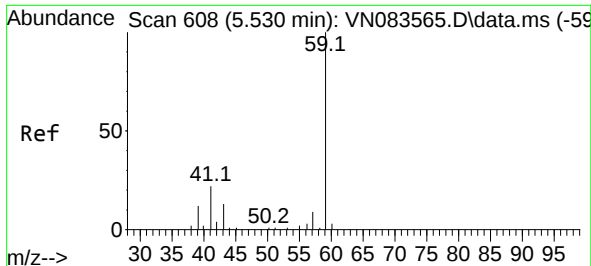
Tgt Ion: 94 Resp: 526
Ion Ratio Lower Upper
94 100
96 82.8 76.0 114.0



#6
Chloroethane
Concen: 1.027 ug/l
RT: 2.953 min Scan# 170
Delta R.T. -0.124 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 64 Resp: 1000
Ion Ratio Lower Upper
64 100
66 6.9 23.9 35.9#





#11

Tert butyl alcohol

Concen: 7.447 ug/l

RT: 5.477 min Scan# 51

Delta R.T. -0.053 min

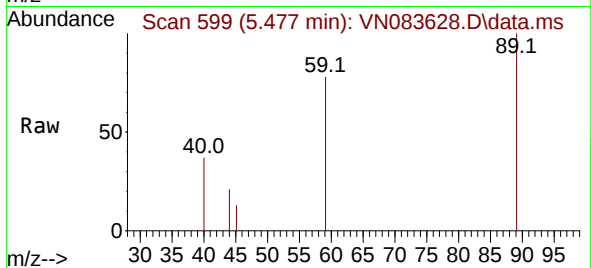
Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

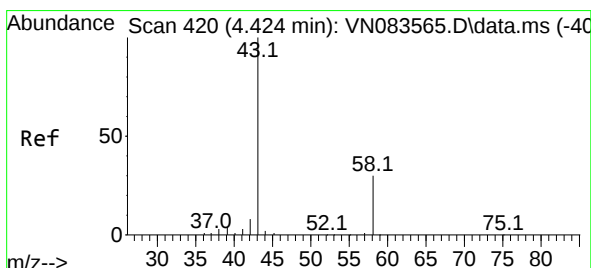
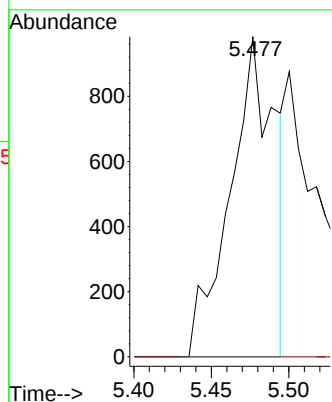
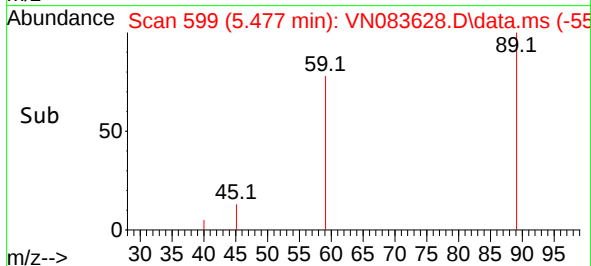


Tgt Ion: 59 Resp: 1959

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#16

Acetone

Concen: 37.658 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN083628.D

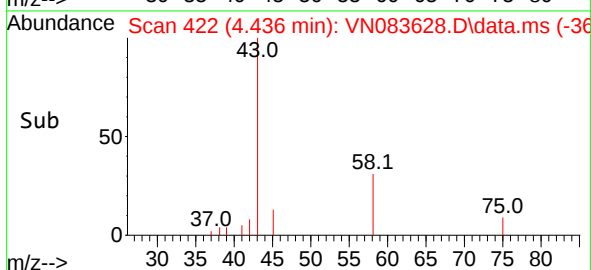
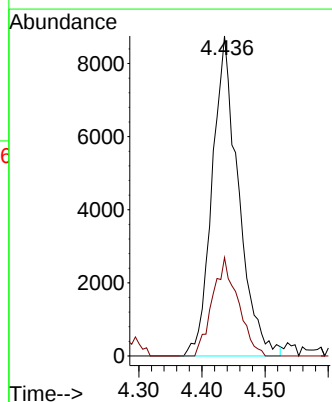
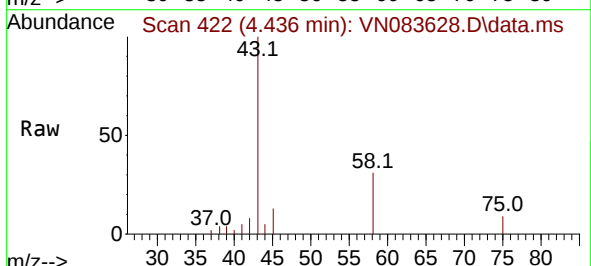
Acq: 03 Sep 2024 16:45

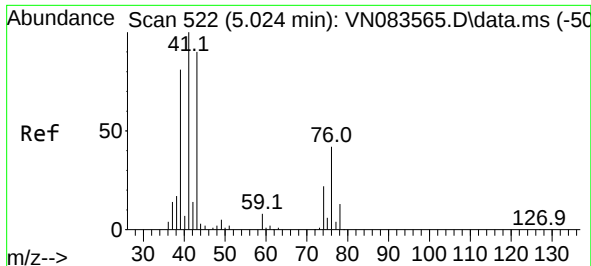
Tgt Ion: 43 Resp: 25337

Ion Ratio Lower Upper

43 100

58 30.7 23.7 35.5

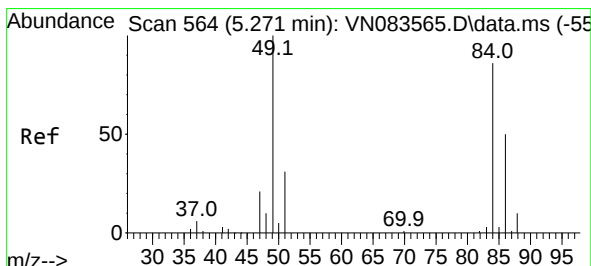
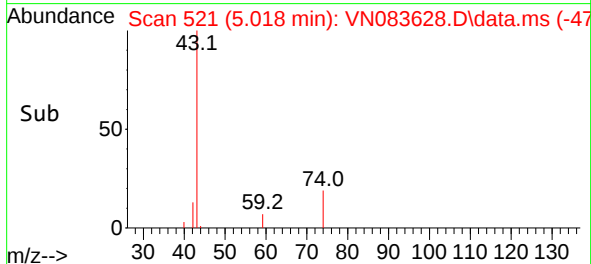
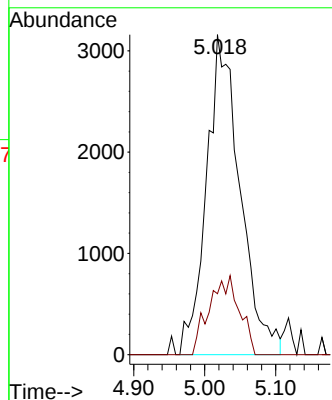
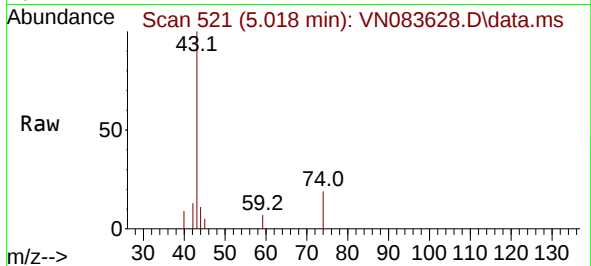




#18
Methyl Acetate
Concen: 5.802 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

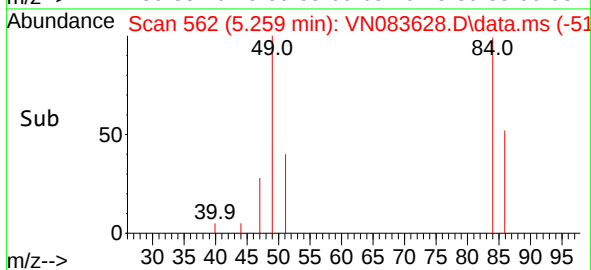
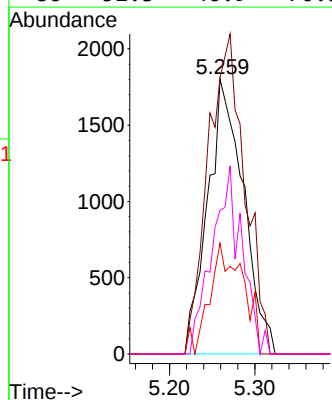
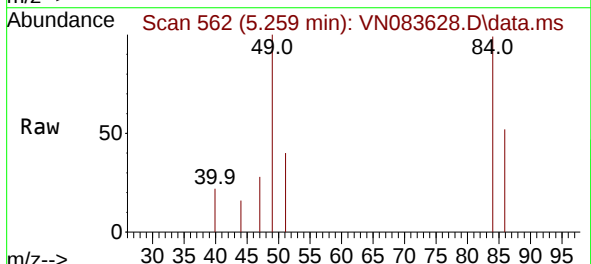
Instrument :
MSVOA_N
ClientSampleId :

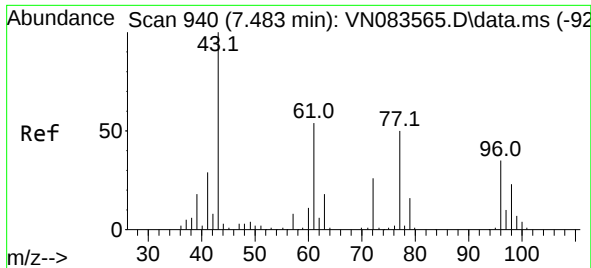
Tgt Ion: 43 Resp: 10382
Ion Ratio Lower Upper
43 100
74 22.1 19.0 28.4



#20
Methylene Chloride
Concen: 3.537 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 84 Resp: 5255
Ion Ratio Lower Upper
84 100
49 100.6 93.4 140.0
51 40.3 29.2 43.8
86 52.3 46.9 70.3

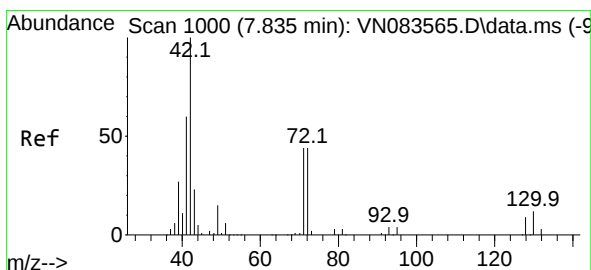
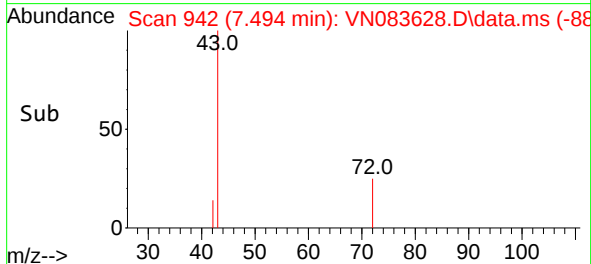
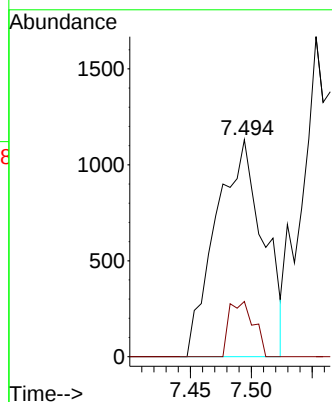
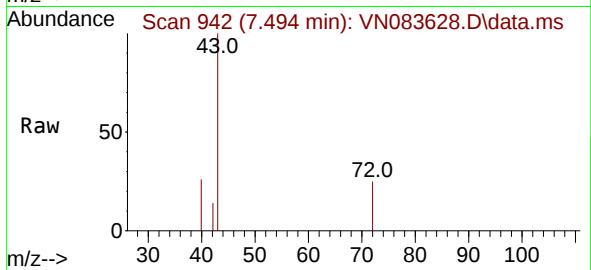




#25
2-Butanone
Concen: 3.325 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

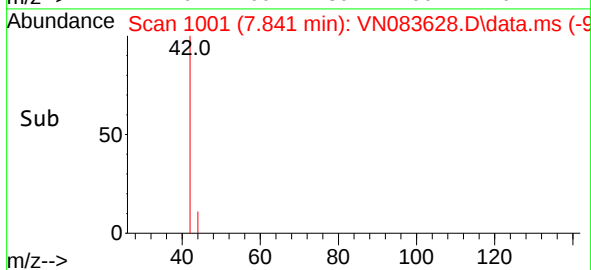
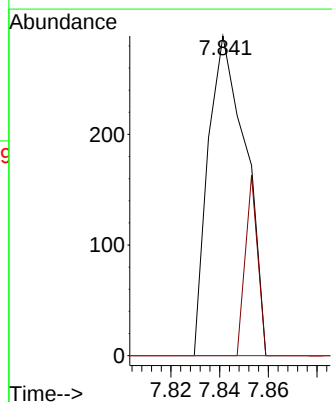
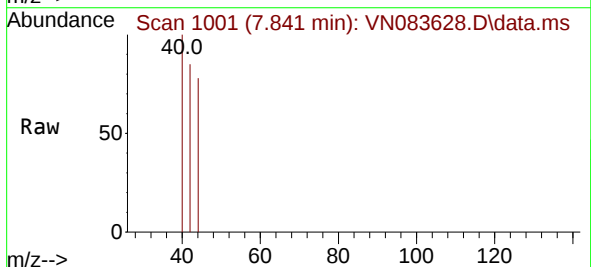
Instrument :
MSVOA_N
ClientSampleId :

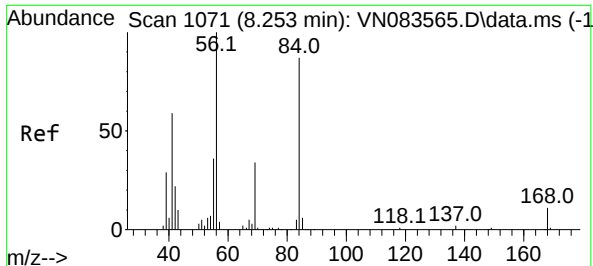
Tgt Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
72 25.5 20.8 31.2



#29
Tetrahydrofuran
Concen: 0.544 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

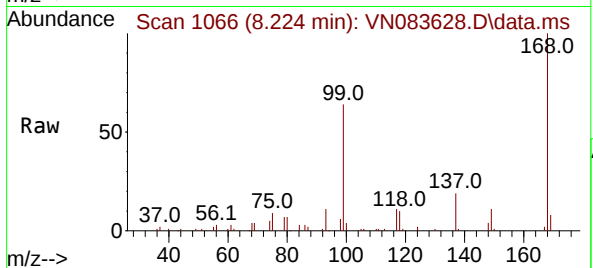
Tgt Ion: 42 Resp: 309
Ion Ratio Lower Upper
42 100
72 18.8 35.9 53.9#
71 0.0 33.9 50.9#



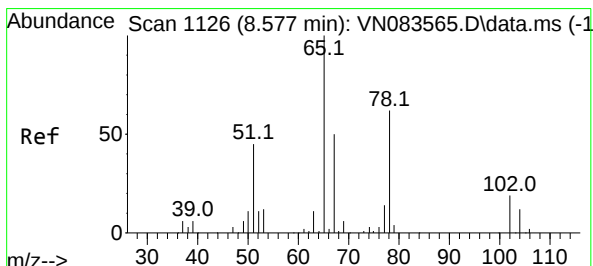
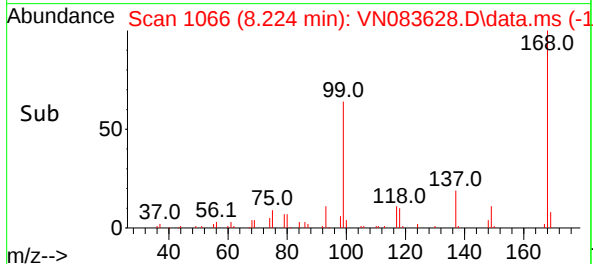
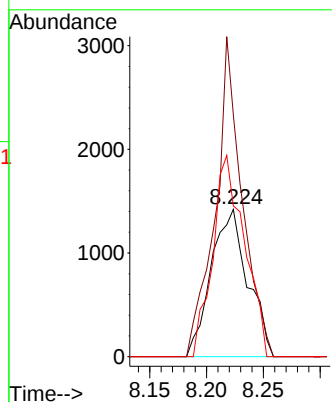


#31
Cyclohexane
Concen: 1.224 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

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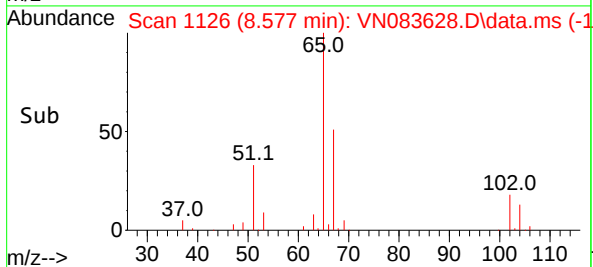
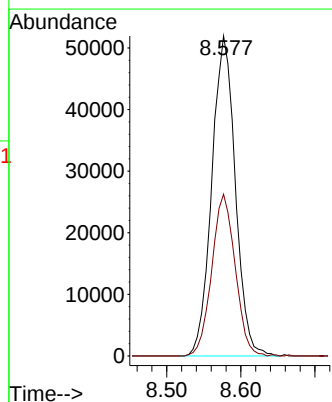
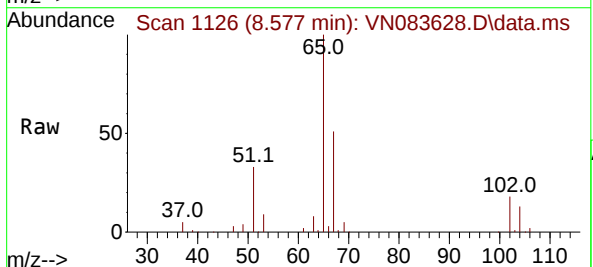


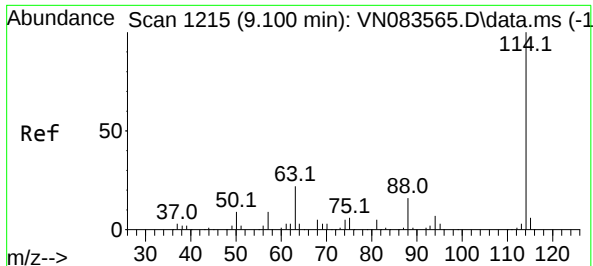
Tgt Ion: 56 Resp: 3195
Ion Ratio Lower Upper
56 100
69 164.3 26.9 40.3#
84 102.4 69.2 103.8



#33
1,2-Dichloroethane-d4
Concen: 67.811 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 65 Resp: 114410
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

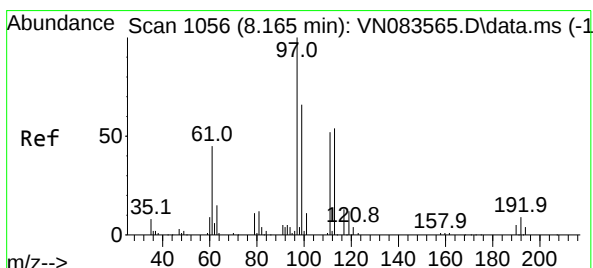
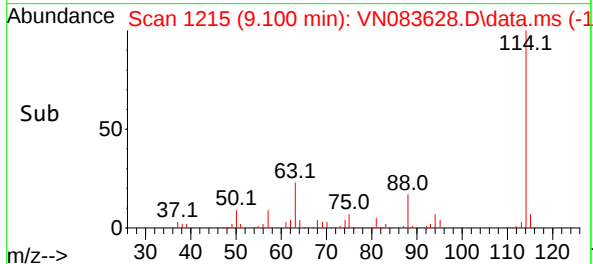
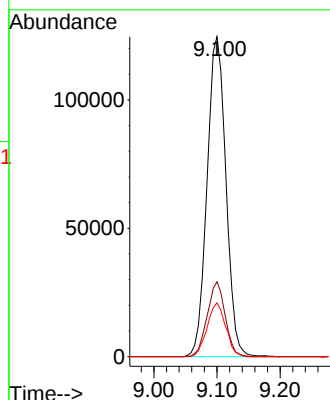
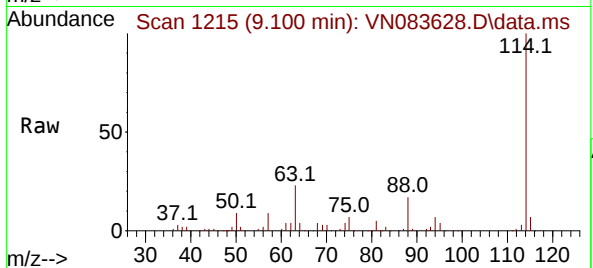
Tgt Ion:114 Resp: 258677

Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 59.121 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

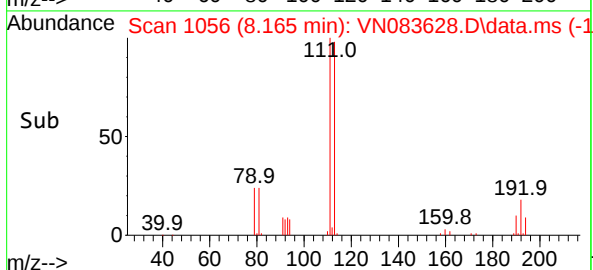
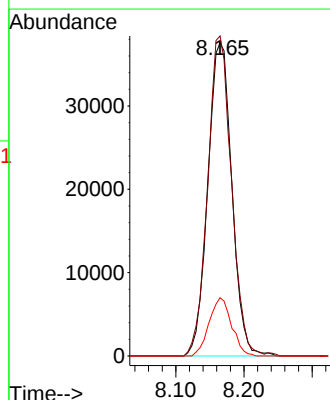
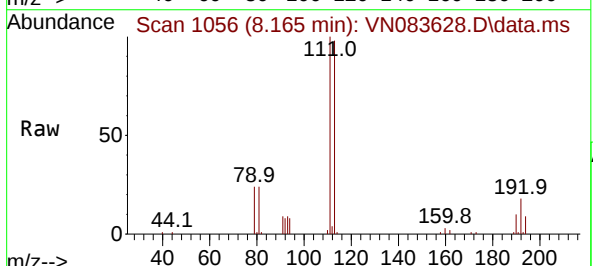
Tgt Ion:113 Resp: 92046

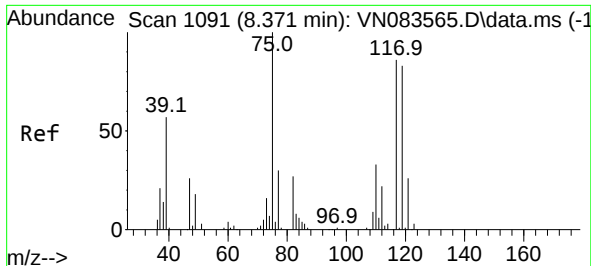
Ion Ratio Lower Upper

113 100

111 101.0 82.6 124.0

192 17.4 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.814 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

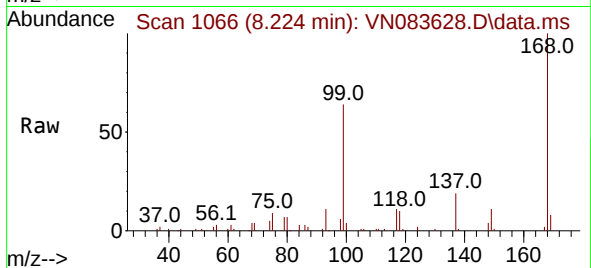
Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :



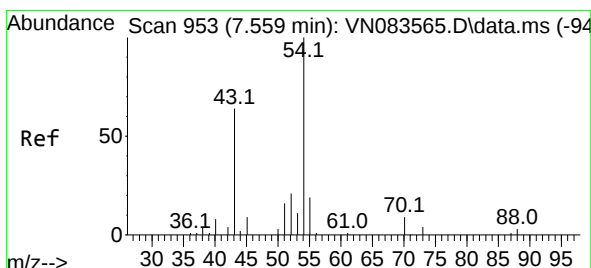
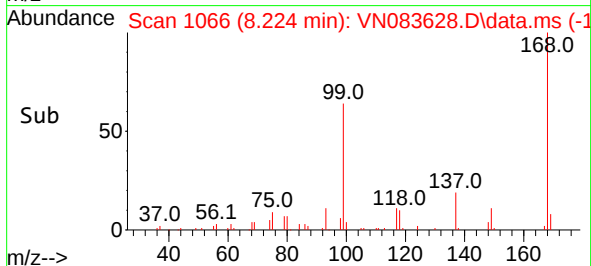
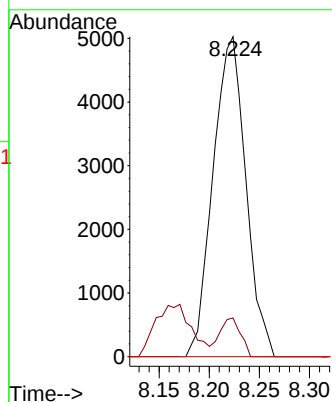
Tgt Ion: 75 Resp: 11432

Ion Ratio Lower Upper

75 100

110 7.7 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 1.801 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

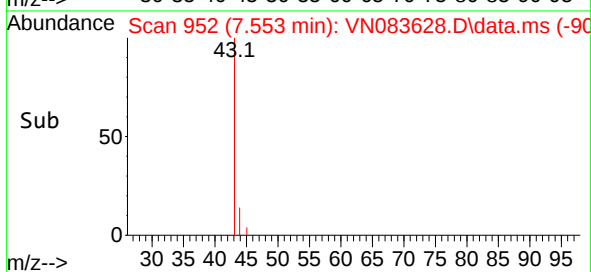
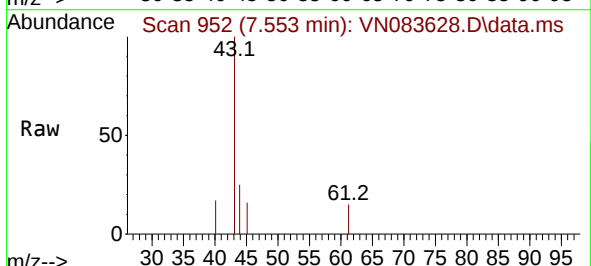
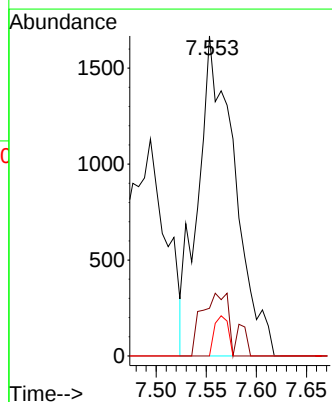
Tgt Ion: 43 Resp: 4256

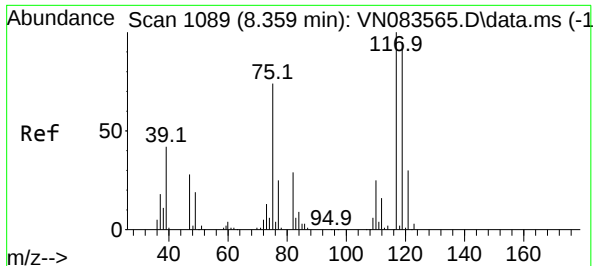
Ion Ratio Lower Upper

43 100

61 16.4 11.1 16.7

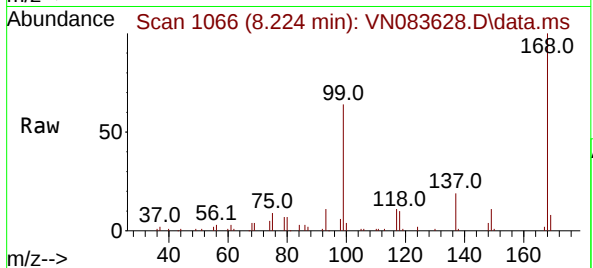
70 4.7 8.8 13.2#



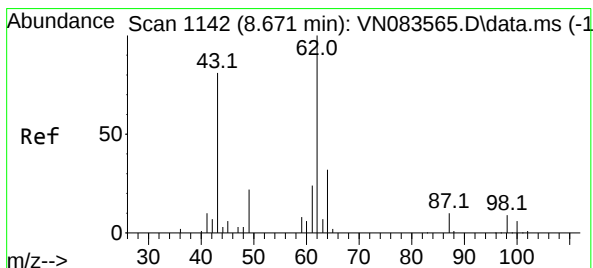
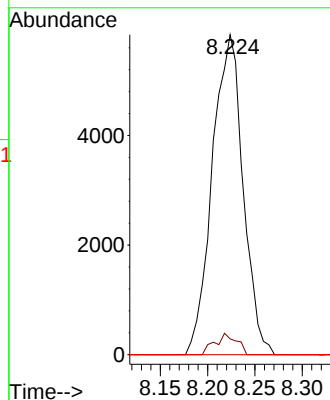
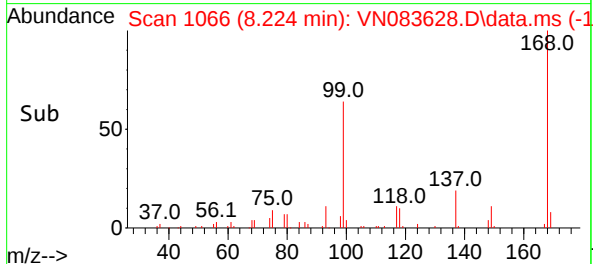


#38
Carbon Tetrachloride
Concen: 4.872 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

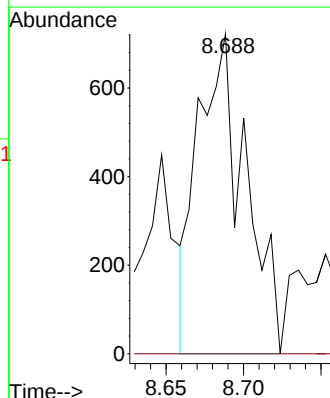
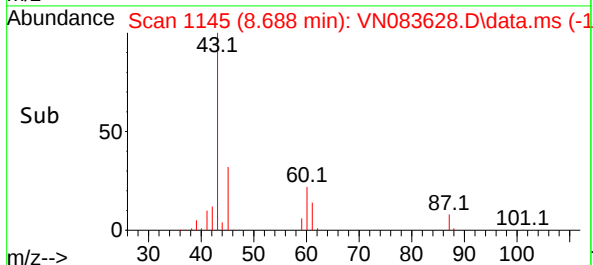
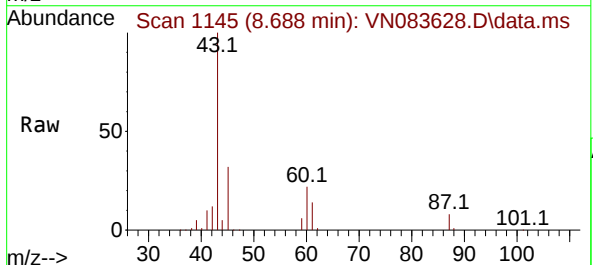


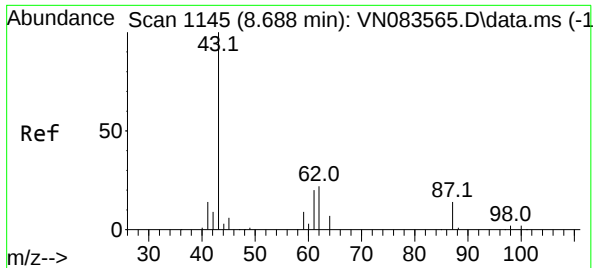
Tgt Ion:117 Resp: 13202
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



#42
1,2-Dichloroethane
Concen: 0.565 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 62 Resp: 1530
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6

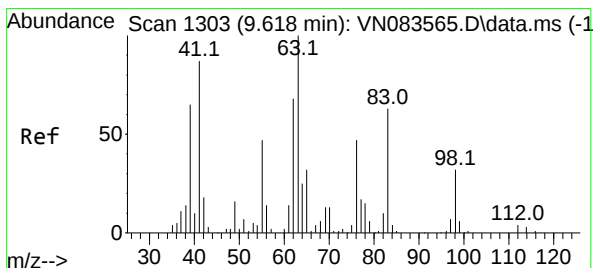
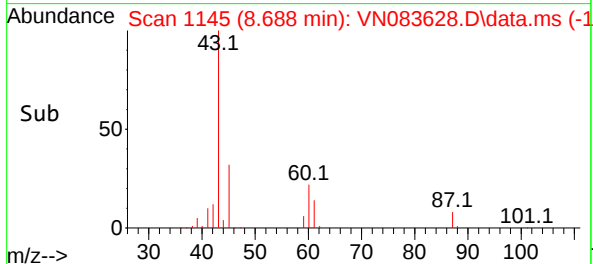
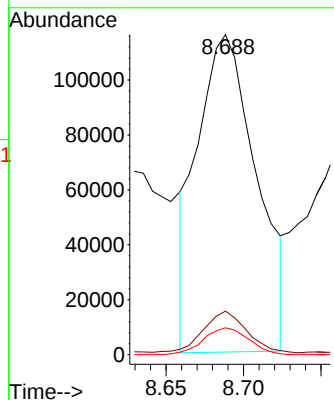
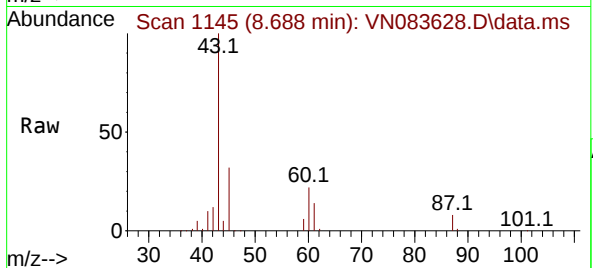




#43
Isopropyl Acetate
Concen: 65.087 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

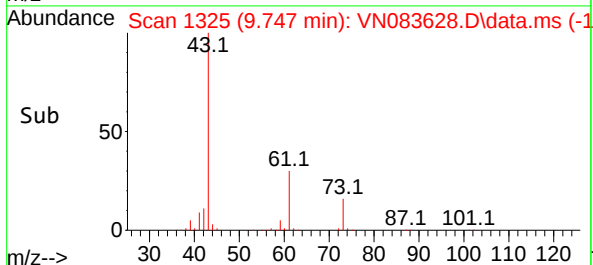
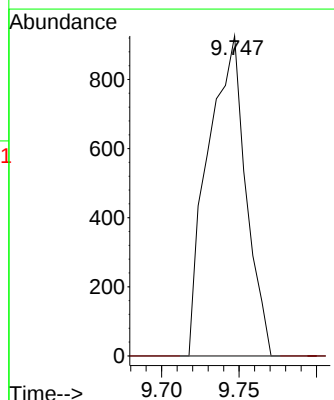
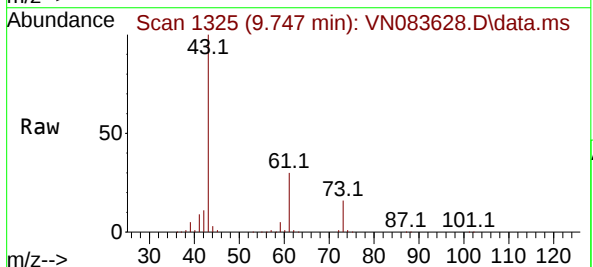
Instrument :
MSVOA_N
ClientSampleId :

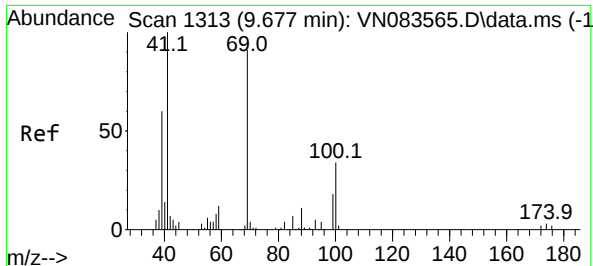
Tgt Ion: 43 Resp: 307005
Ion Ratio Lower Upper
43 100
61 10.8 19.4 29.0#
87 6.5 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.923 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.129 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

Tgt Ion: 63 Resp: 1571
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 2.368 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

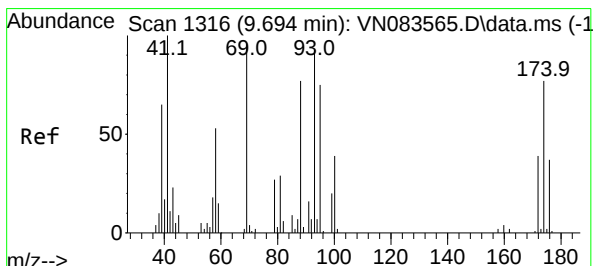
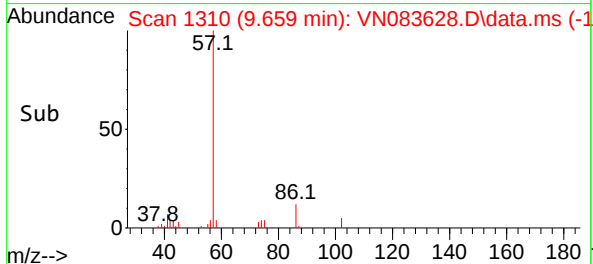
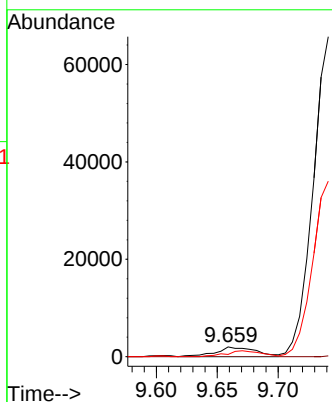
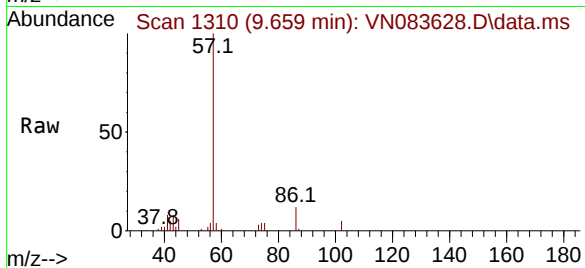
Tgt Ion: 41 Resp: 4591

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 53.4 48.9 73.3



#49

1,4-Dioxane

Concen: 5.541 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.041 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

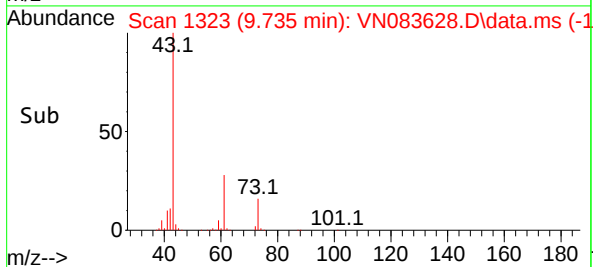
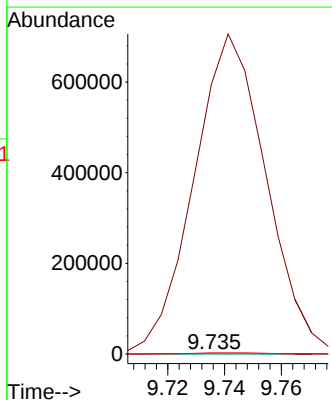
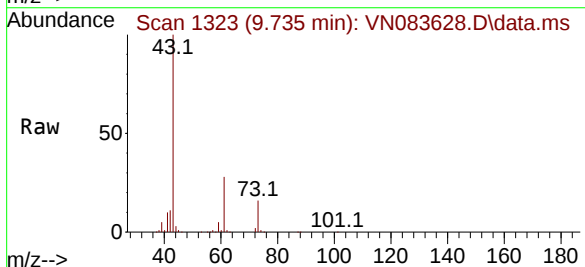
Tgt Ion: 88 Resp: 176

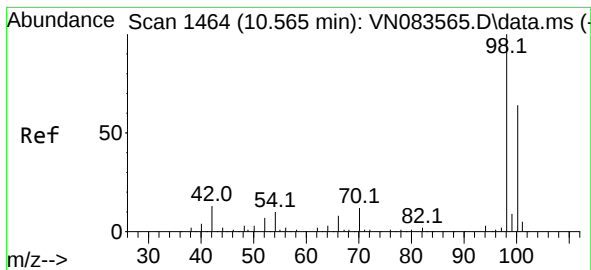
Ion Ratio Lower Upper

88 100

43 711125.0 0.0 0.0#

58 2672.2 57.1 85.7#





#50

Toluene-d8

Concen: 55.914 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

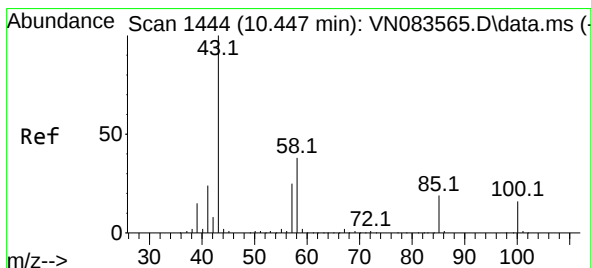
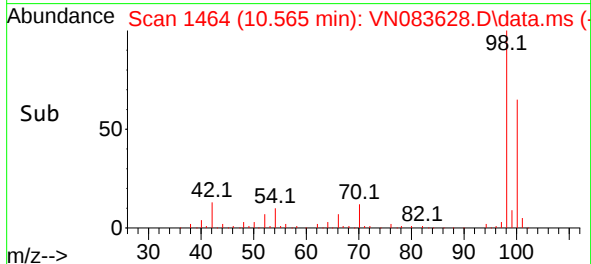
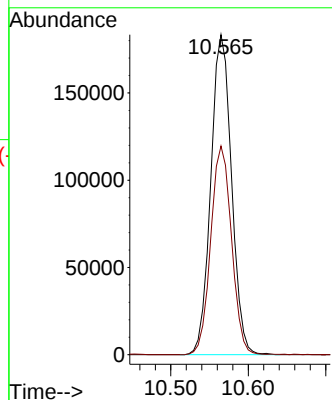
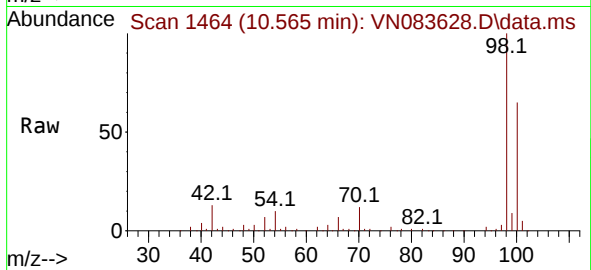
ClientSampleId :

Tgt Ion: 98 Resp: 340222

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.815 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

Lab File: VN083628.D

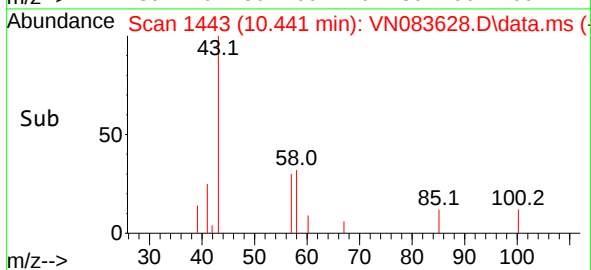
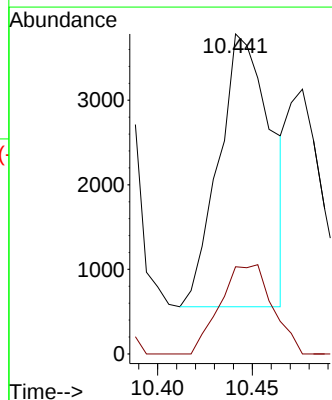
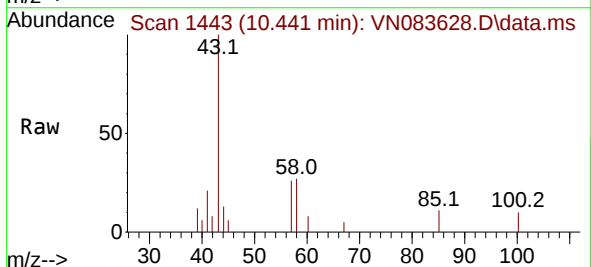
Acq: 03 Sep 2024 16:45

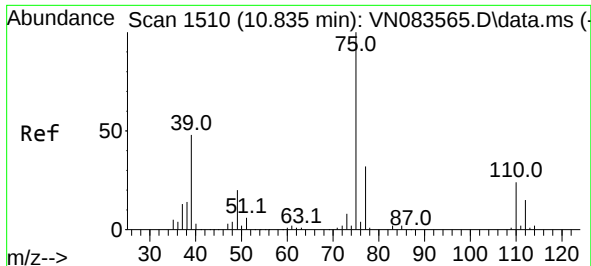
Tgt Ion: 43 Resp: 6186

Ion Ratio Lower Upper

43 100

58 32.6 31.6 47.4

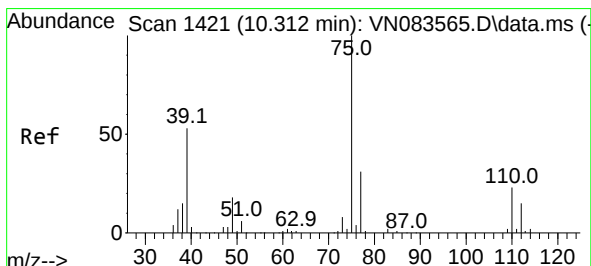
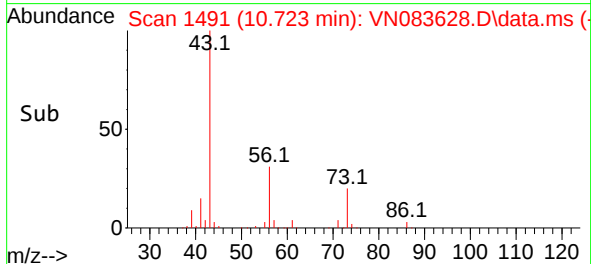
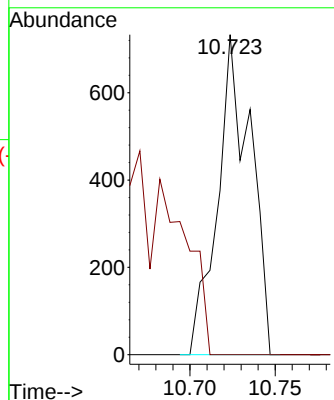
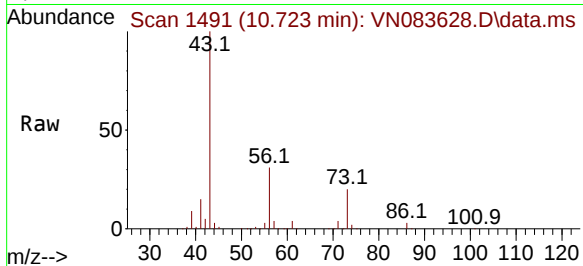




#53
 t-1,3-Dichloropropene
 Concen: 0.357 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN083628.D
 Acq: 03 Sep 2024 16:45

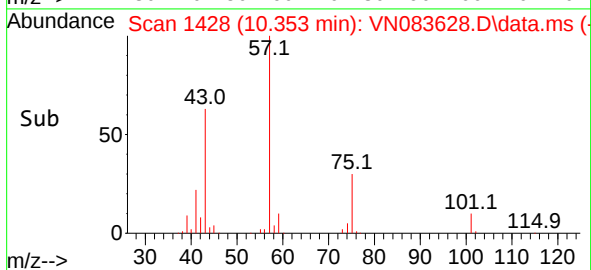
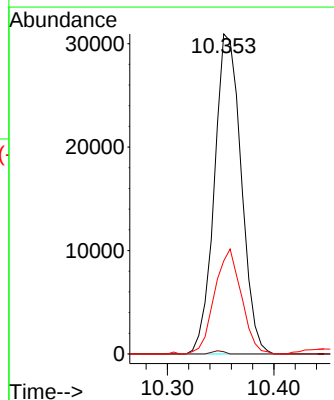
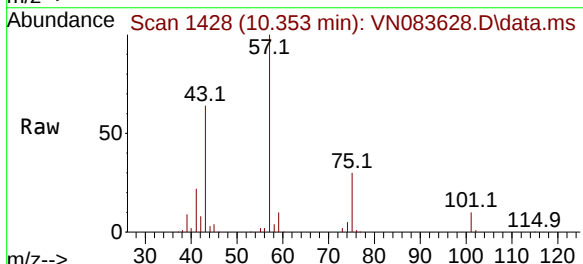
Instrument :
 MSVOA_N
 ClientSampleId :

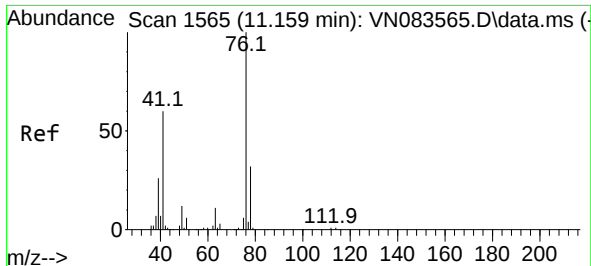
Tgt Ion: 75 Resp: 989
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 18.615 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN083628.D
 Acq: 03 Sep 2024 16:45

Tgt Ion: 75 Resp: 54058
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.6#
 39 29.1 42.6 64.0#





#57

1,3-Dichloropropane

Concen: 2.327 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083628.D

Acq: 03 Sep 2024 16:45

Instrument :

MSVOA_N

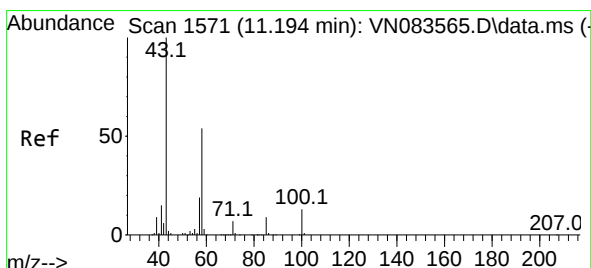
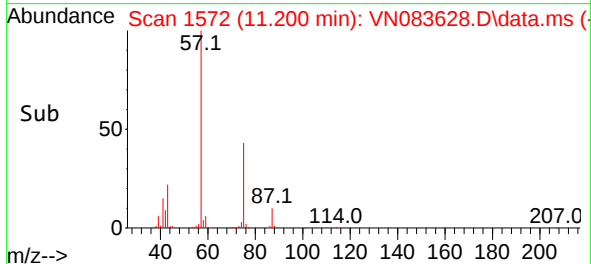
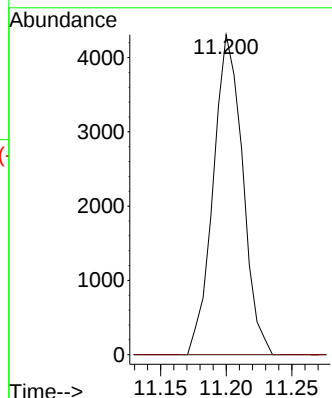
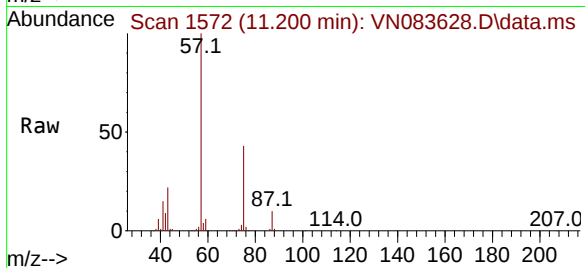
ClientSampleId :

Tgt Ion: 76 Resp: 6718

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 79.223 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN083628.D

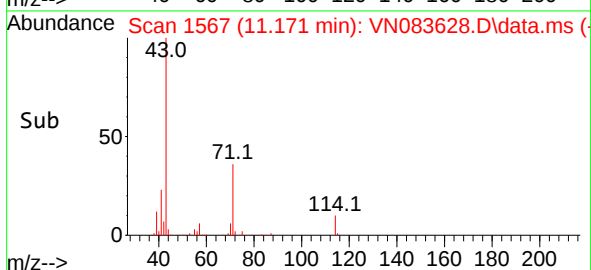
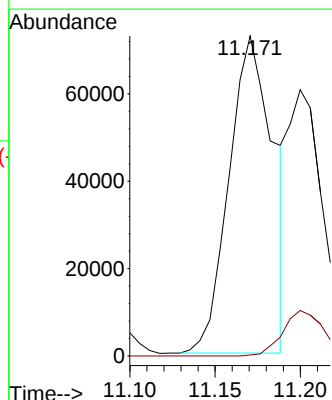
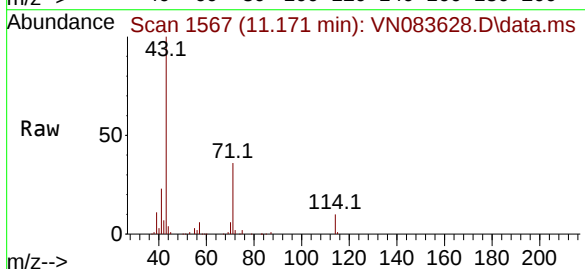
Acq: 03 Sep 2024 16:45

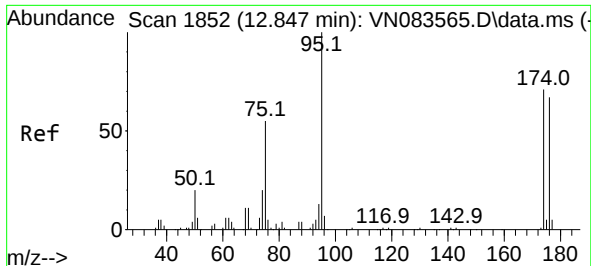
Tgt Ion: 43 Resp: 130638

Ion Ratio Lower Upper

43 100

58 0.0 27.2 81.5#

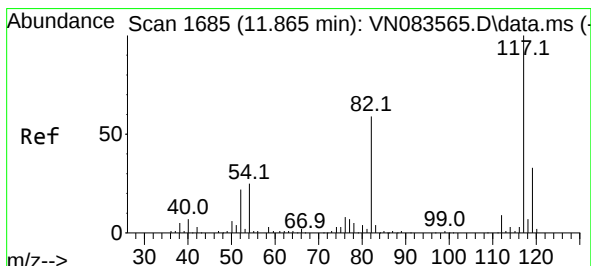
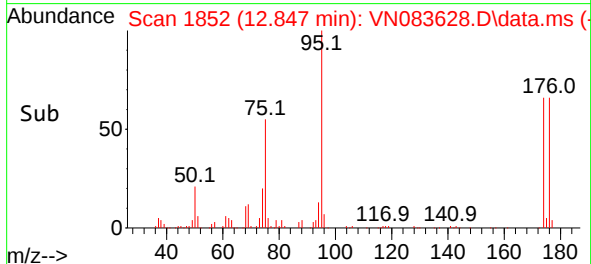
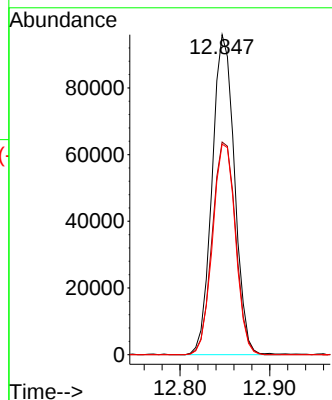
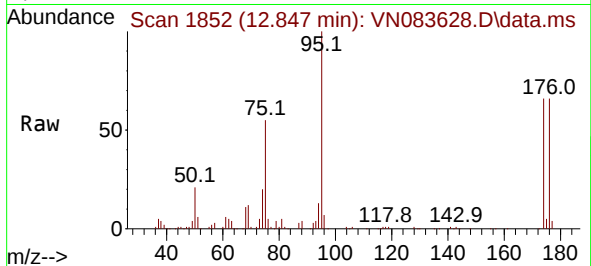




#62
4-Bromofluorobenzene
Concen: 74.039 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

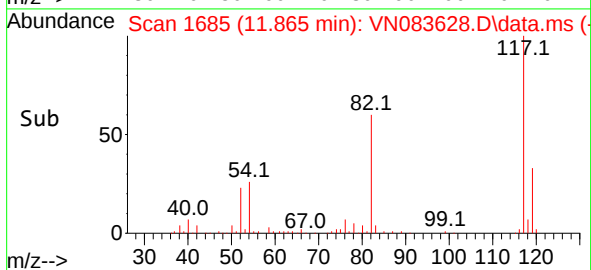
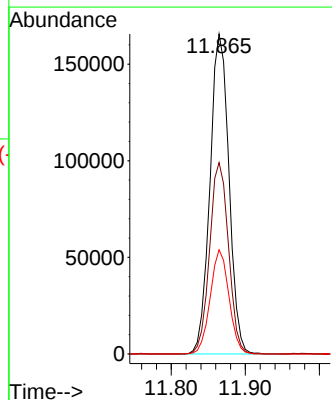
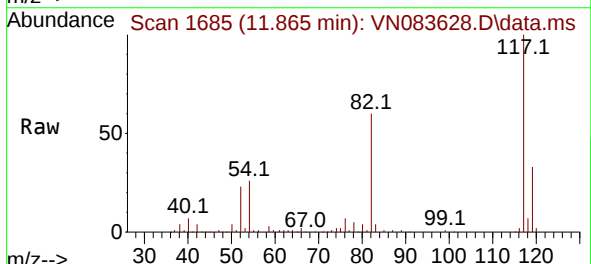
Instrument :
MSVOA_N
ClientSampleId :

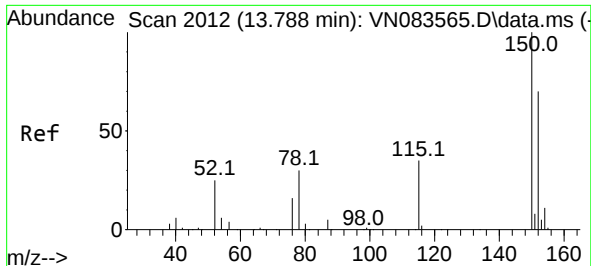
Tgt Ion: 95 Resp: 166290
Ion Ratio Lower Upper
95 100
174 69.6 0.0 139.8
176 67.2 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

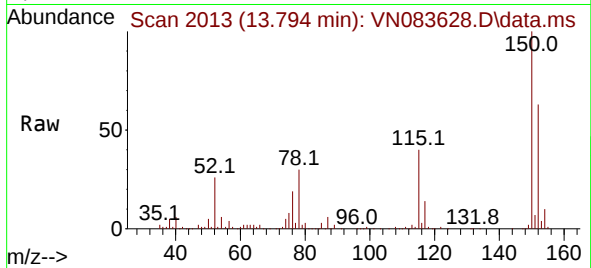
Tgt Ion: 117 Resp: 294391
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.0
119 32.6 26.3 39.5



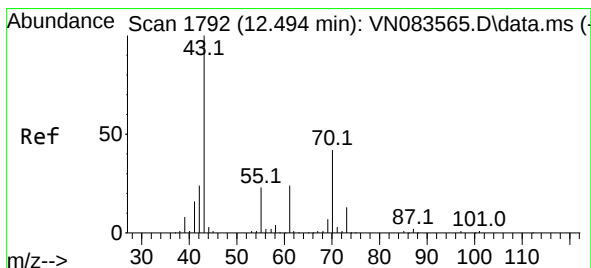
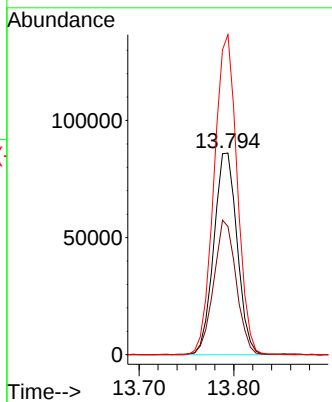
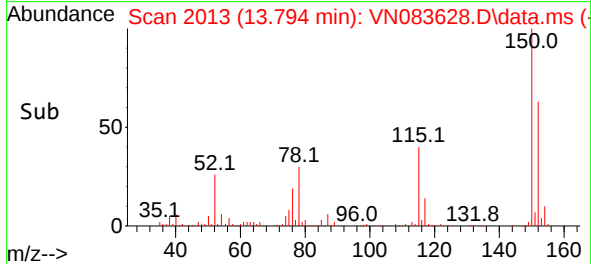


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

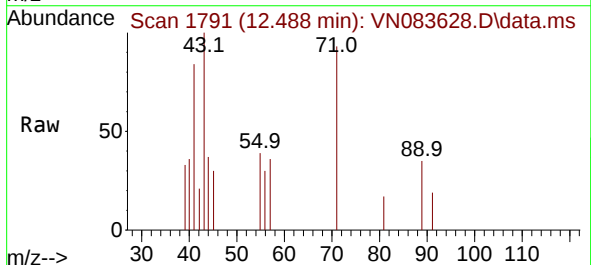
Instrument :
MSVOA_N
ClientSampleId :



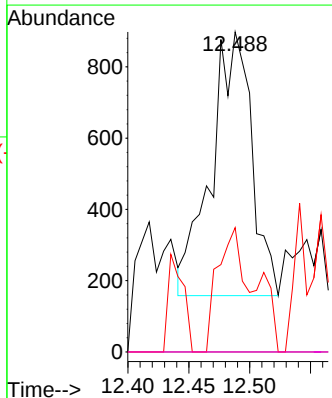
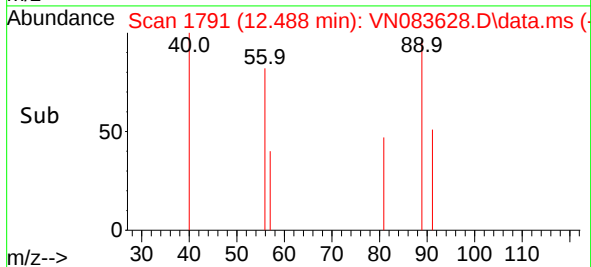
Tgt Ion:152 Resp: 147538
Ion Ratio Lower Upper
152 100
115 64.7 32.2 96.6
150 157.2 0.0 348.6

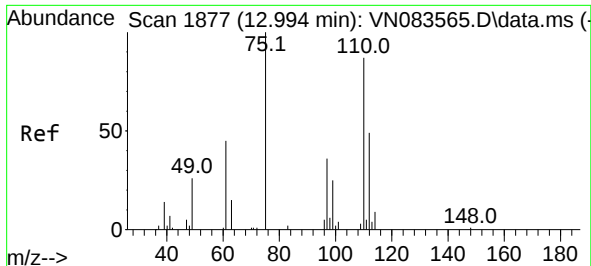


#74
N-ethyl acetate
Concen: 0.329 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45



Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
70 0.0 34.5 51.7#
55 30.9 18.6 28.0#
61 0.0 19.2 28.8#

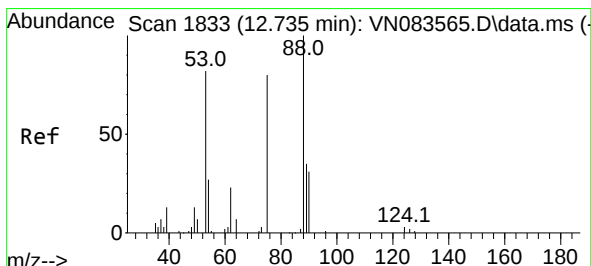
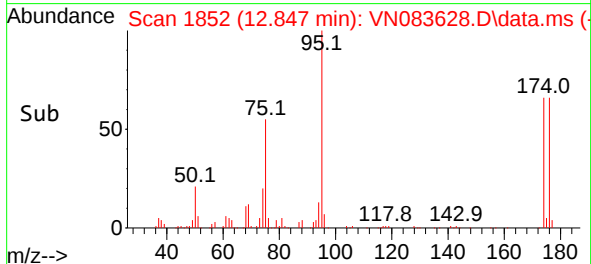
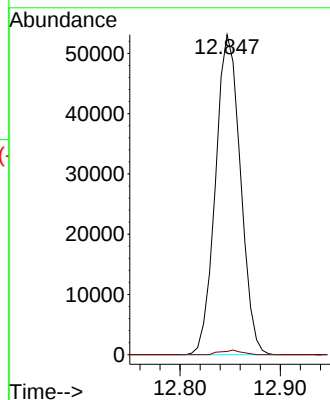
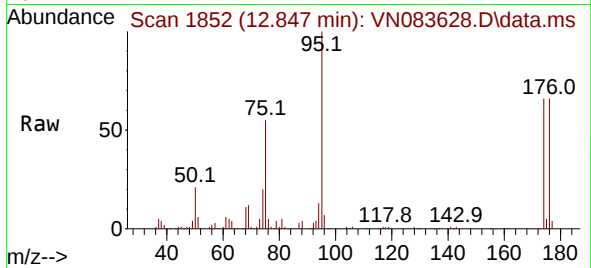




#76
1,2,3-Trichloropropane
Concen: 30.835 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

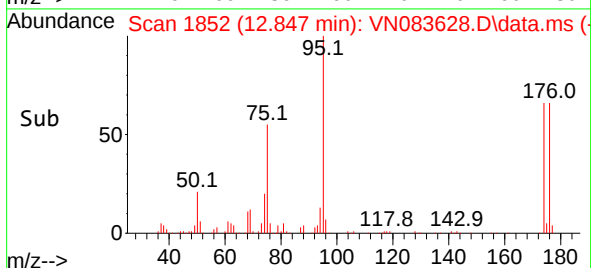
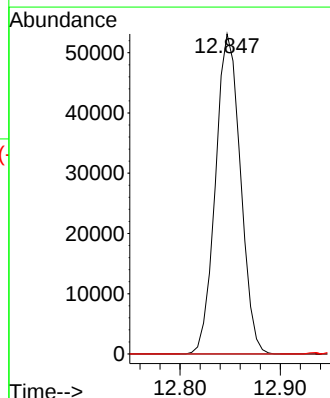
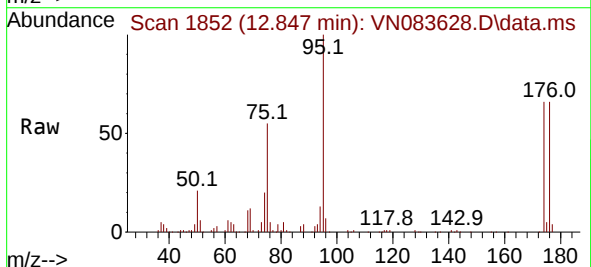
Instrument :
MSVOA_N
ClientSampleId :

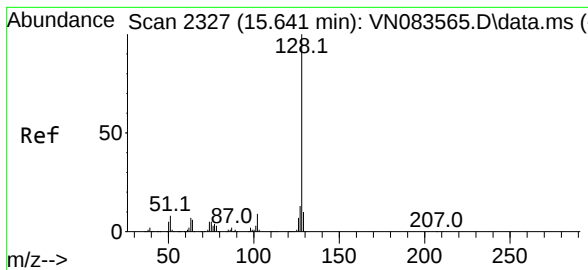
Tgt Ion: 75 Resp: 91849
Ion Ratio Lower Upper
75 100
77 1.2 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.726 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083628.D
Acq: 03 Sep 2024 16:45

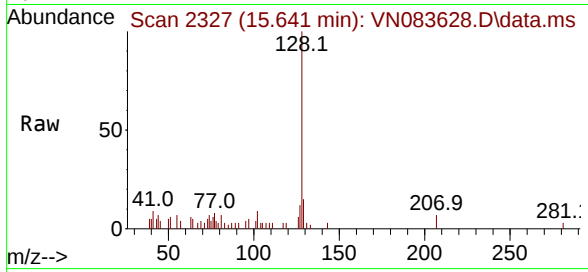
Tgt Ion: 75 Resp: 91849
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#95
 Naphthalene
 Concen: 1.347 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN083628.D
 Acq: 03 Sep 2024 16:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	12854
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	16.0	8.7	13.1

