

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092724\
 Data File : VN084202.D
 Acq On : 27 Sep 2024 14:42
 Operator : JC\MD
 Sample : PB163689ZHE#1
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 28 01:00:16 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	160346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	121718	50.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.680%			
35) Dibromofluoromethane	8.171	113	94185	50.325	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.660%			
50) Toluene-d8	10.565	98	359243	55.525	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.040%			
62) 4-Bromofluorobenzene	12.847	95	116237	43.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	267	Below Cal	#	41
5) Bromomethane	2.977	94	251	0.214	ug/l #	2
11) Tert butyl alcohol	5.524	59	479	1.479	ug/l #	71
16) Acetone	4.430	43	57984	59.825	ug/l	93
18) Methyl Acetate	5.036	43	1299	Below Cal	#	52
20) Methylene Chloride	5.271	84	7542	3.803	ug/l	89
25) 2-Butanone	7.494	43	8196	6.434	ug/l	96
29) Tetrahydrofuran	7.841	42	768	1.020	ug/l #	56
31) Cyclohexane	8.218	56	3745	1.072	ug/l #	24
36) 1,1-Dichloropropene	8.224	75	14171	5.031	ug/l #	51
37) Ethyl Acetate	7.571	43	3290	1.287	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18535	5.800	ug/l #	18
42) 1,2-Dichloroethane	8.677	62	789	0.249	ug/l #	77
43) Isopropyl Acetate	8.688	43	224871	48.532	ug/l #	77
48) Methyl methacrylate	9.659	41	3214	1.462	ug/l #	47
49) 1,4-Dioxane	9.741	88	125	3.457	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12248	4.856	ug/l #	78
53) t-1,3-Dichloropropene	10.729	75	655	0.208	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	37365	11.297	ug/l #	61
56) Ethyl methacrylate	10.982	69	1469	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4710	1.415	ug/l #	42
59) 2-Hexanone	11.200	43	65101	34.893	ug/l #	55
74) N-amyl acetate	12.459	43	760	0.228	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	61666	30.265	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61666	79.265	ug/l #	9

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

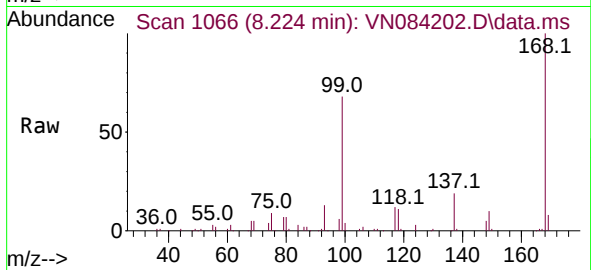
Quant Time: Sep 28 01:00:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



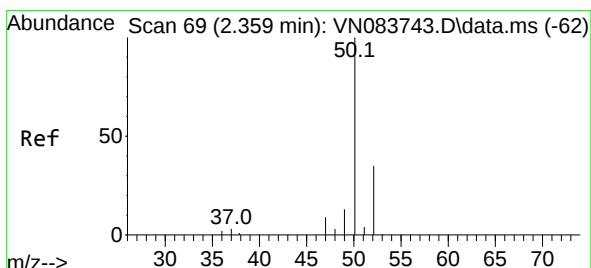
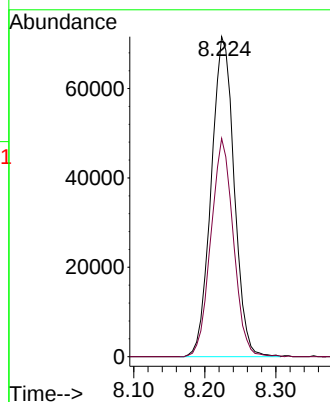
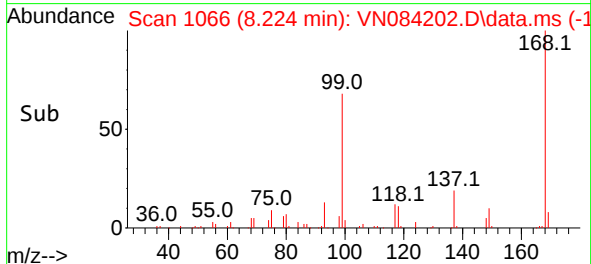


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :

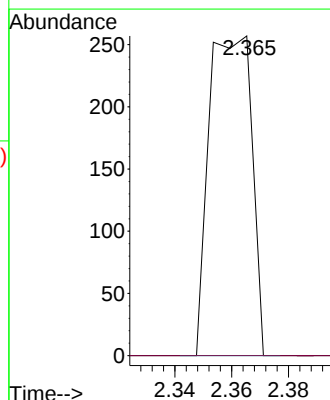
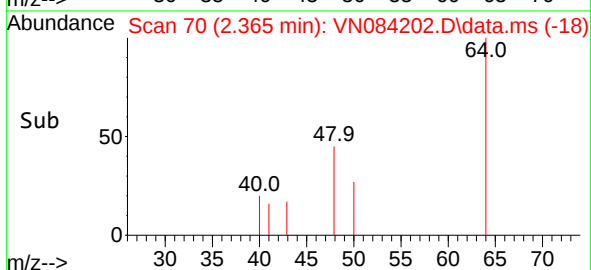
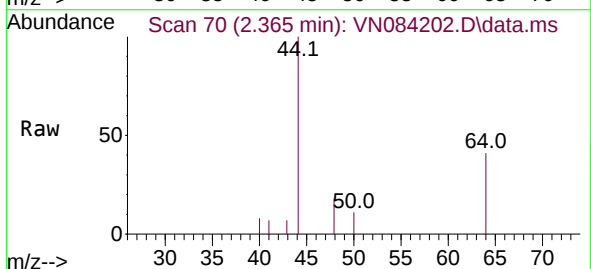


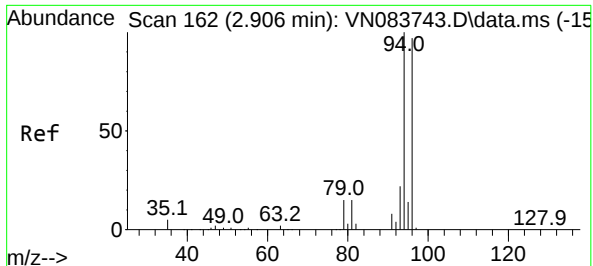
Tgt Ion:168 Resp: 160346
Ion Ratio Lower Upper
168 100
99 68.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 50 Resp: 267
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

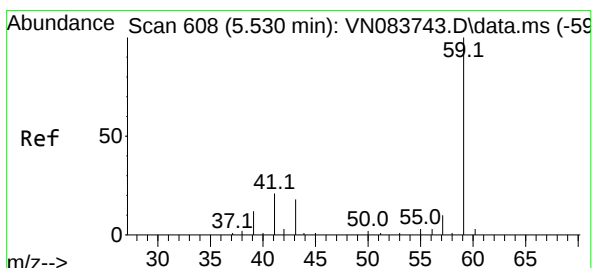
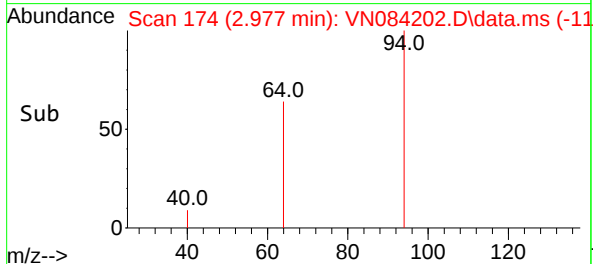
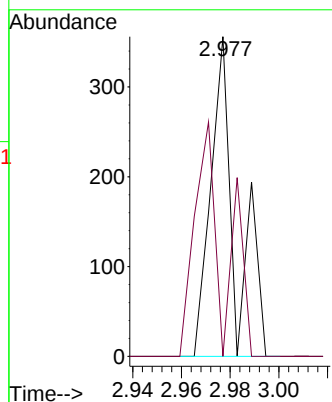
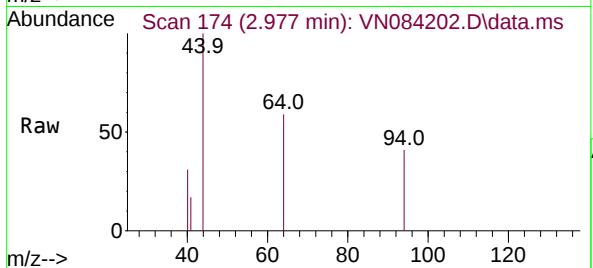




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.071 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

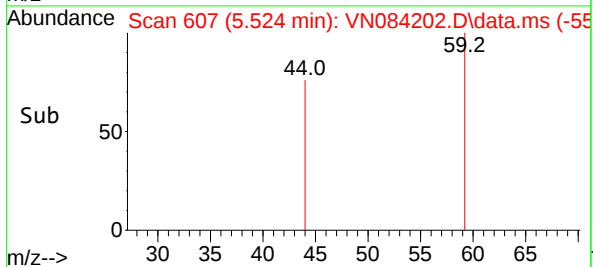
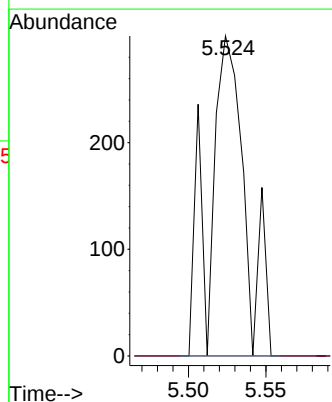
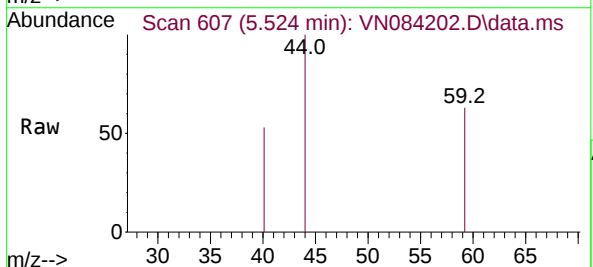
Instrument :
MSVOA_N
ClientSampleId :

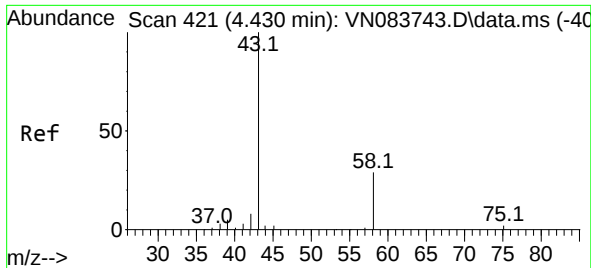
Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#11
Tert butyl alcohol
Concen: 1.479 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 59 Resp: 479
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

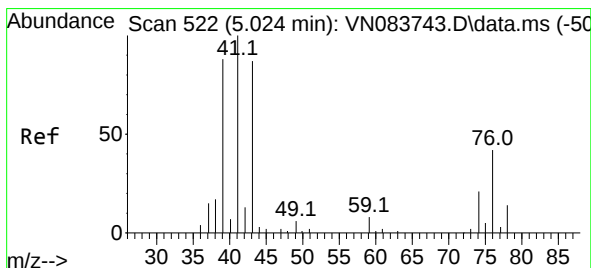
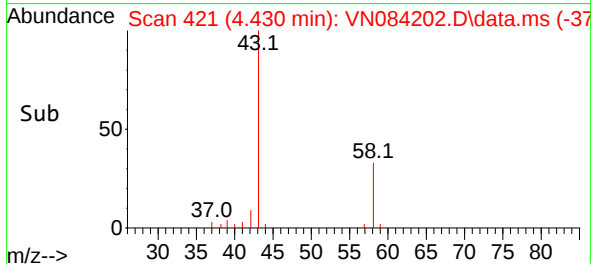
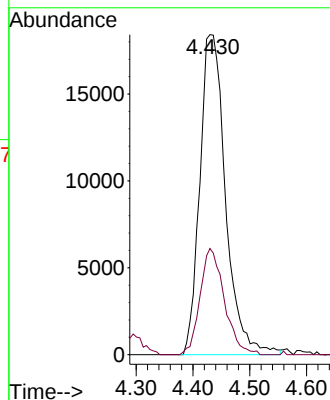
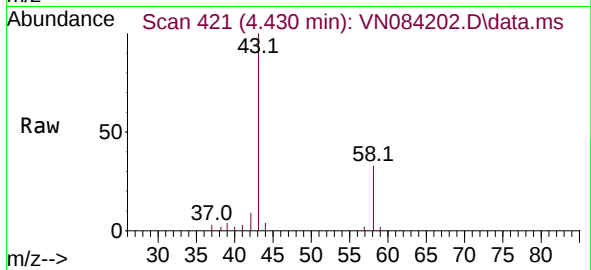




#16
Acetone
Concen: 59.825 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

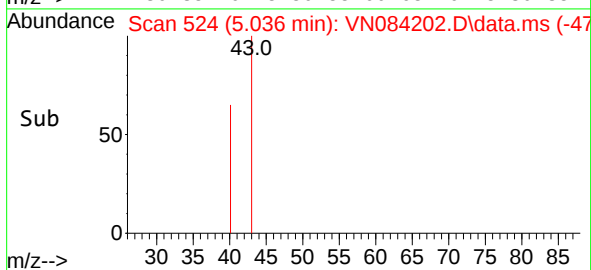
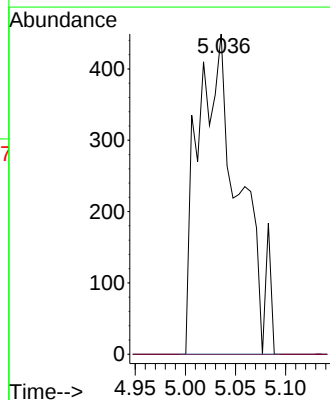
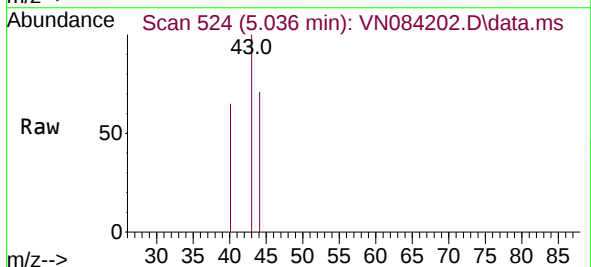
Instrument :
MSVOA_N
ClientSampleId :

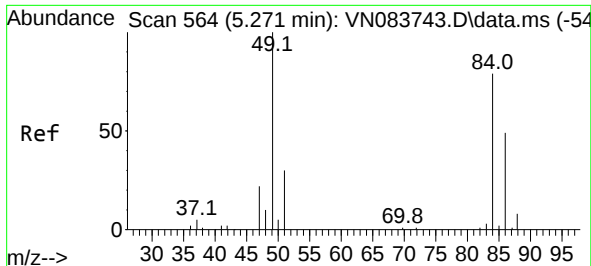
Tgt Ion: 43 Resp: 57984
Ion Ratio Lower Upper
43 100
58 33.2 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

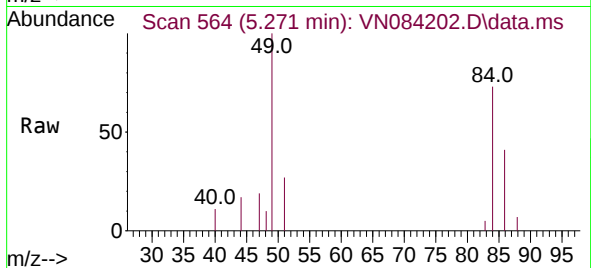
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



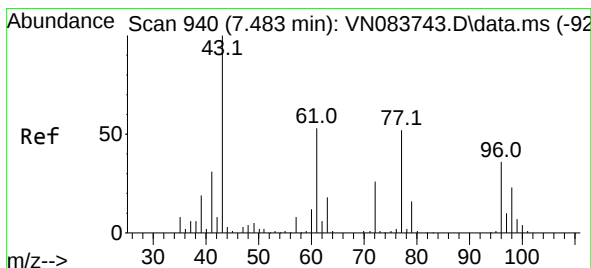
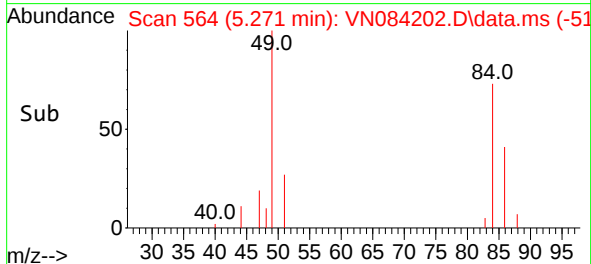
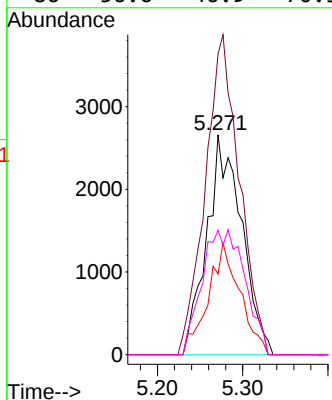


#20
Methylene Chloride
Concen: 3.803 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :

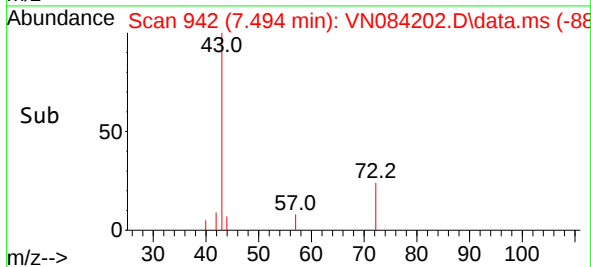
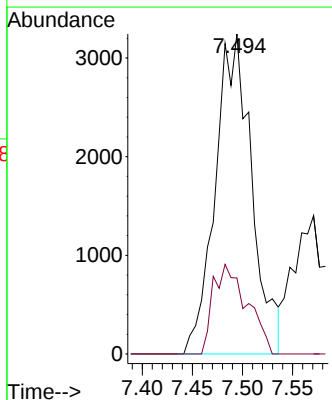
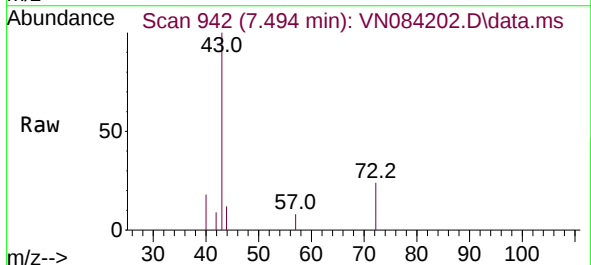


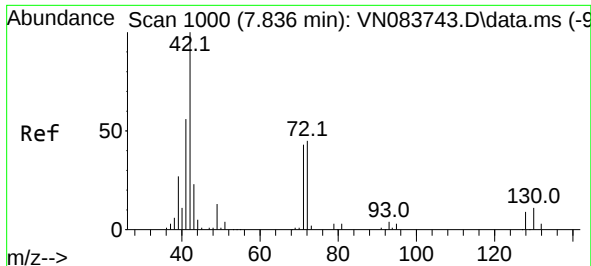
Tgt Ion: 84	Resp: 7542
Ion Ratio	Lower Upper
84 100	
49 136.8	93.4 140.0
51 36.8	29.2 43.8
86 56.6	46.9 70.3



#25
2-Butanone
Concen: 6.434 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 43	Resp: 8196
Ion Ratio	Lower Upper
43 100	
72 23.7	20.8 31.2





#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

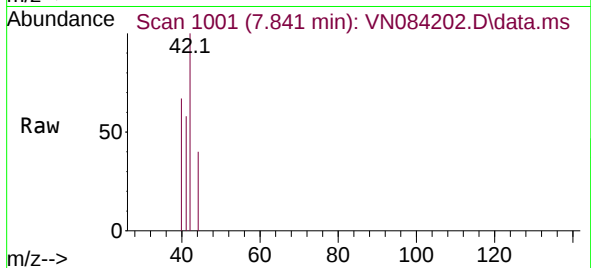
Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

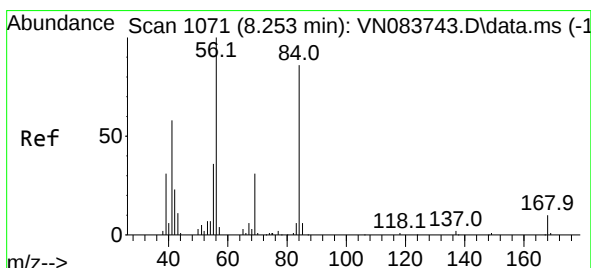
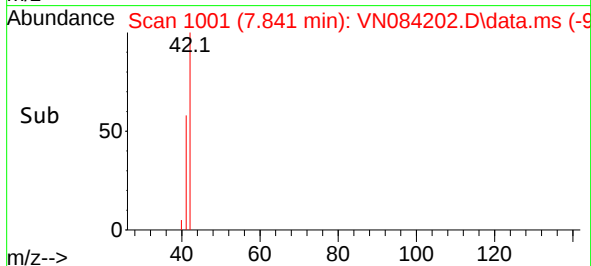
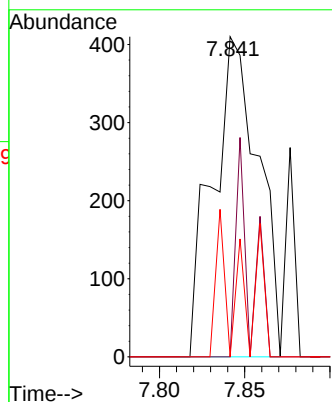
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	72	71	Resp:	768
Ion Ratio	100	21.2	8.7	Lower	Upper
		35.9	33.9	53.9#	50.9#



#31

Cyclohexane

Concen: 1.072 ug/l

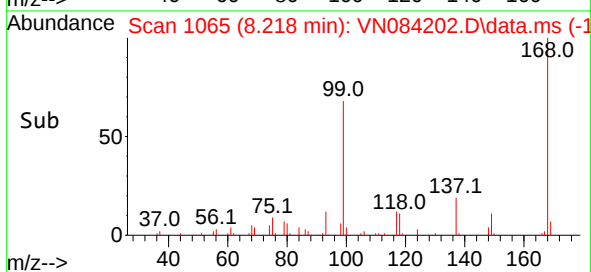
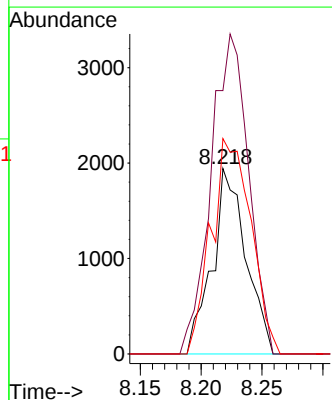
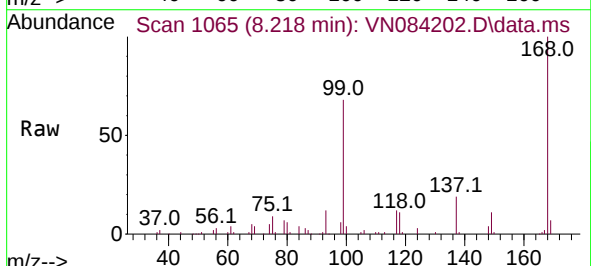
RT: 8.218 min Scan# 1065

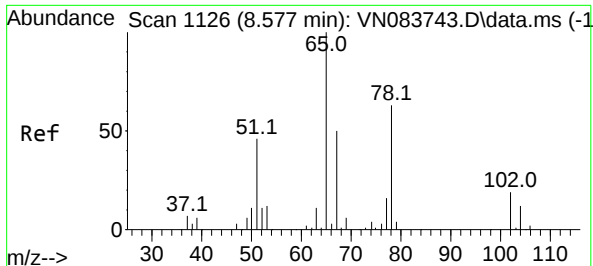
Delta R.T. -0.035 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

Tgt Ion:	56	69	84	Resp:	3745
Ion Ratio	100	142.0	116.2	Lower	Upper
		26.9	69.2	40.3#	103.8#





#33

1,2-Dichloroethane-d4

Concen: 50.343 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

Instrument :

MSVOA_N

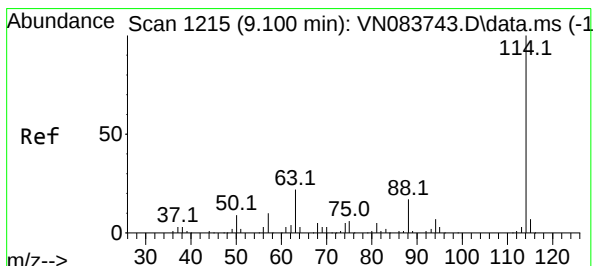
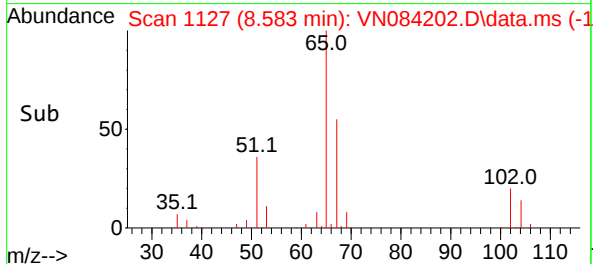
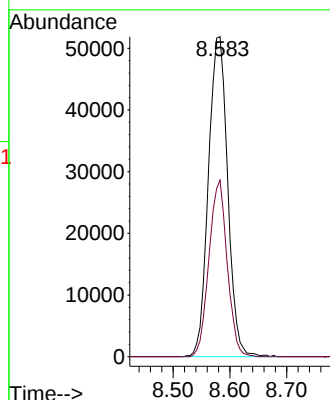
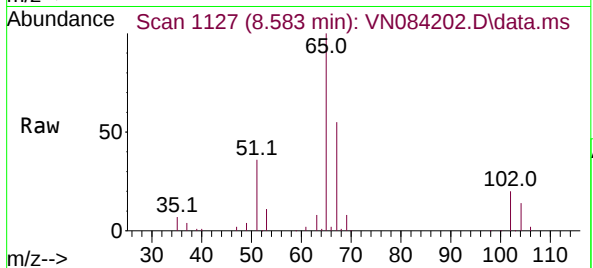
ClientSampleId :

Tgt Ion: 65 Resp: 121718

Ion Ratio Lower Upper

65 100

67 52.1 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: VN084202.D

Acq: 27 Sep 2024 14:42

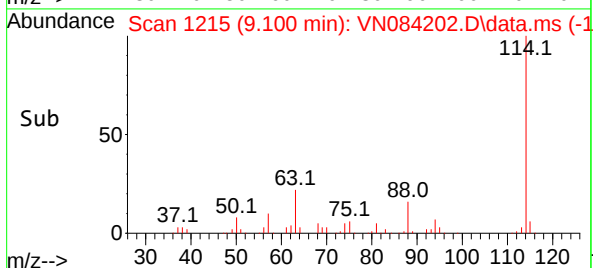
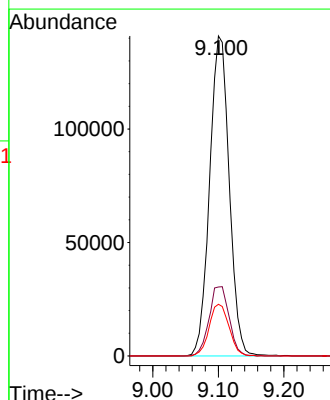
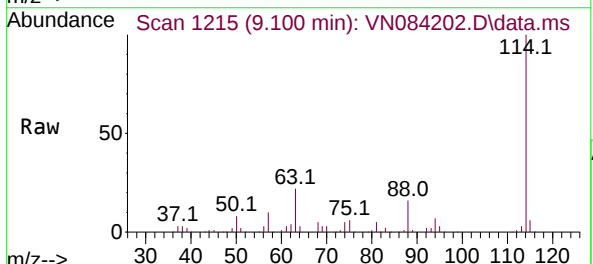
Tgt Ion: 114 Resp: 292339

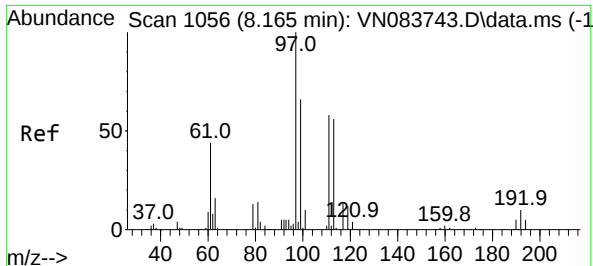
Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

88 16.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.325 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084202.D

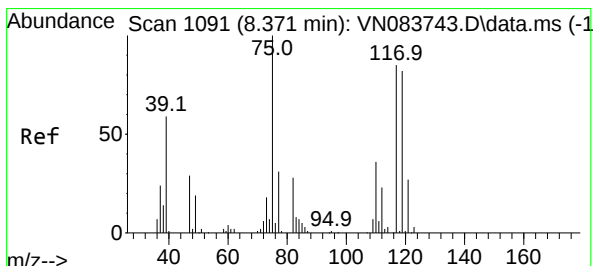
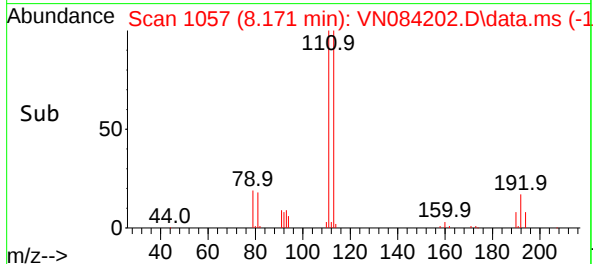
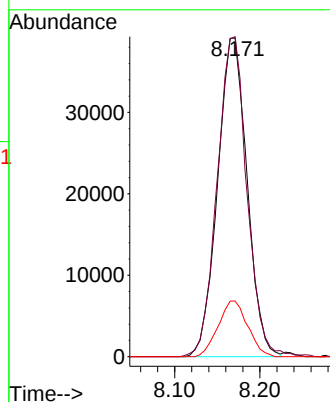
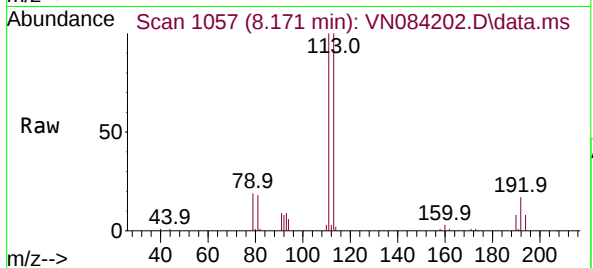
Acq: 27 Sep 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	94185
Ion	Ratio	Lower Upper
113	100	
111	101.2	82.6 124.0
192	17.5	14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.031 ug/l

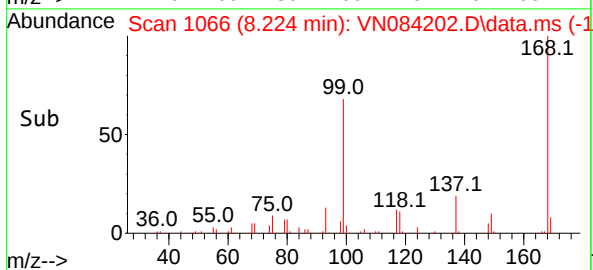
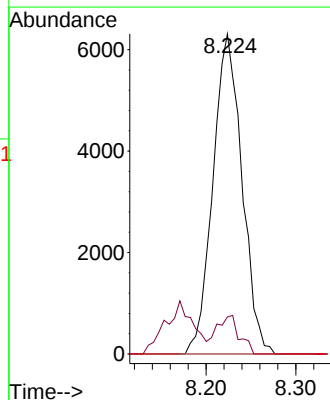
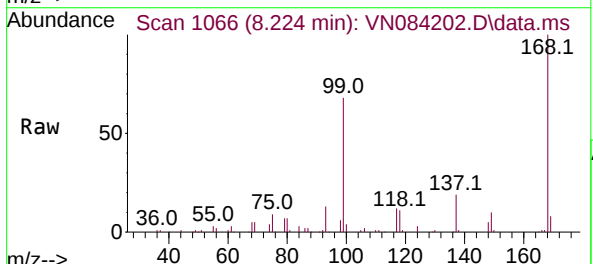
RT: 8.224 min Scan# 1066

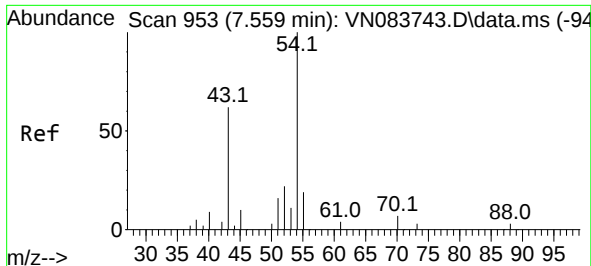
Delta R.T. -0.147 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

Tgt Ion: 75	Resp:	14171
Ion	Ratio	Lower Upper
75	100	
110	9.5	16.7 50.1#
77	0.0	25.2 37.8#

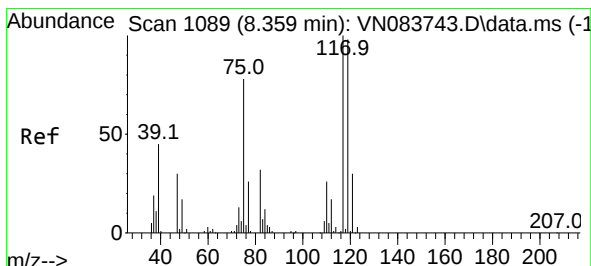
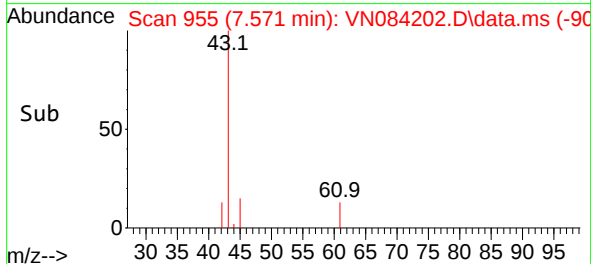
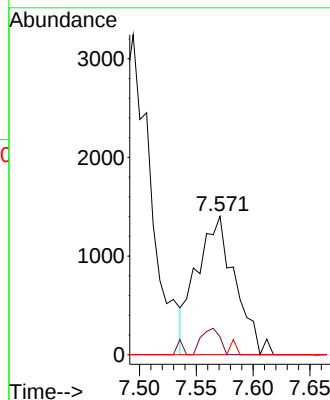
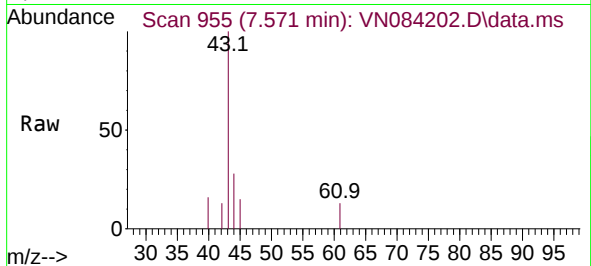




#37
Ethyl Acetate
Concen: 1.287 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

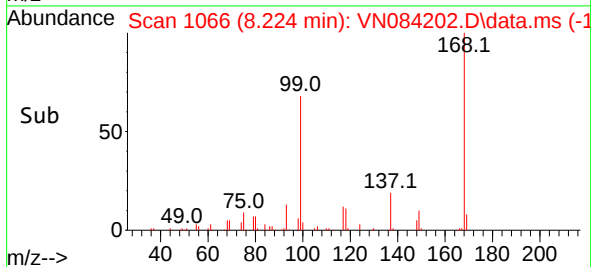
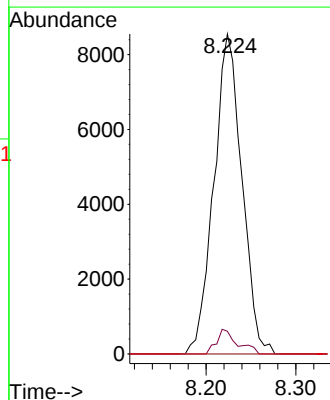
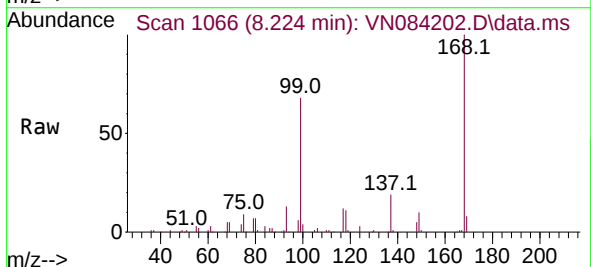
Instrument :
MSVOA_N
ClientSampleId :

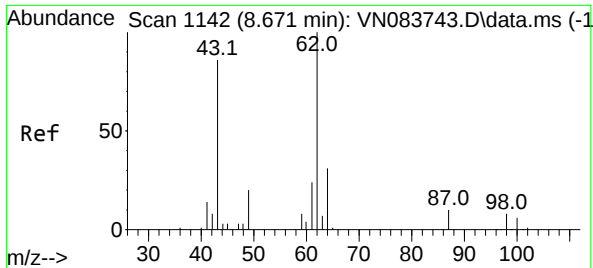
Tgt Ion: 43 Resp: 3290
Ion Ratio Lower Upper
43 100
61 9.2 11.1 16.7#
70 1.7 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 117 Resp: 18535
Ion Ratio Lower Upper
117 100
119 7.1 76.1 114.1#
121 0.0 24.1 36.1#





#42

1,2-Dichloroethane

Concen: 0.249 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

Instrument :

MSVOA_N

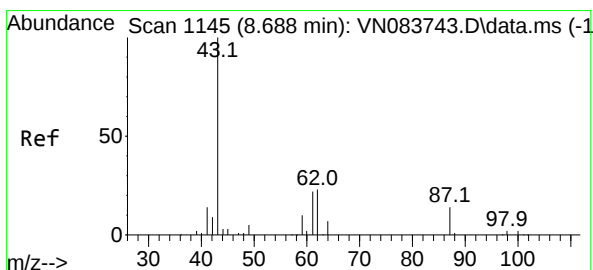
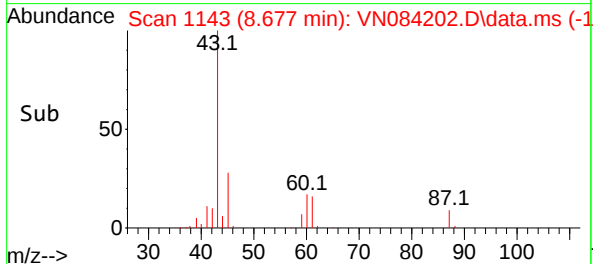
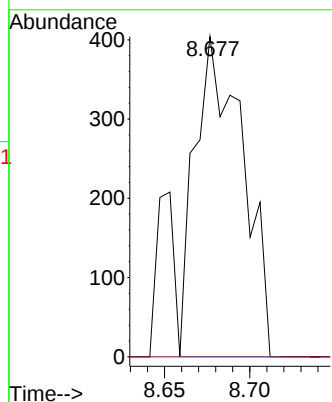
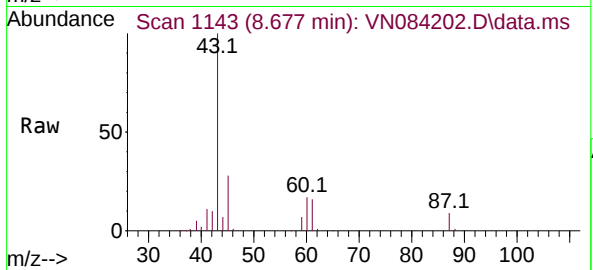
ClientSampleId :

Tgt Ion: 62 Resp: 789

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 48.532 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

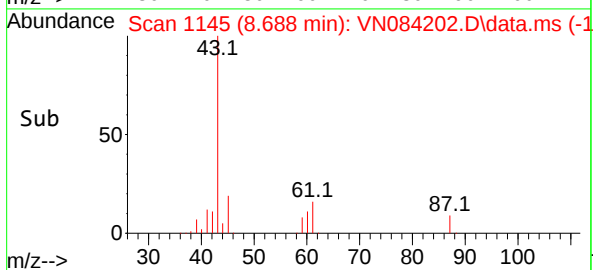
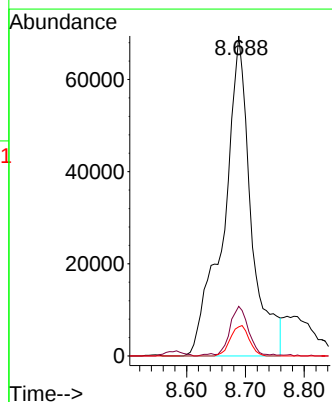
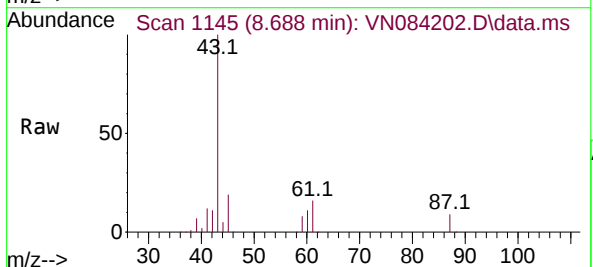
Tgt Ion: 43 Resp: 224871

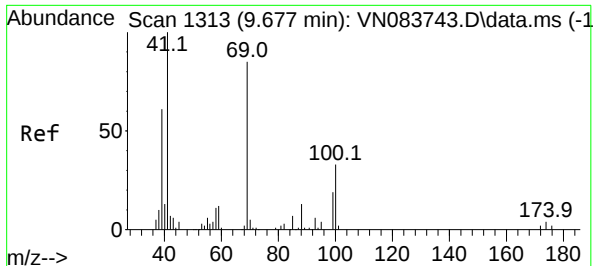
Ion Ratio Lower Upper

43 100

61 10.8 19.4 29.0#

87 6.5 9.8 14.6#





#48

Methyl methacrylate

Concen: 1.462 ug/l

RT: 9.659 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

Instrument :

MSVOA_N

ClientSampleId :

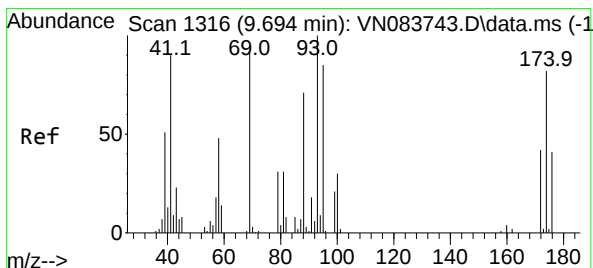
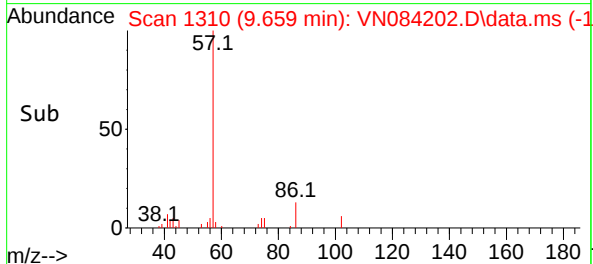
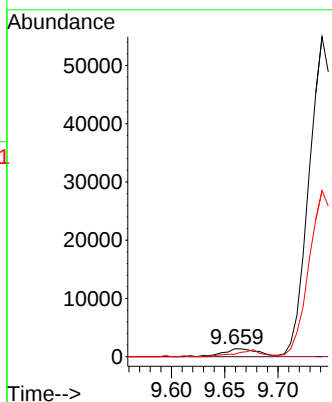
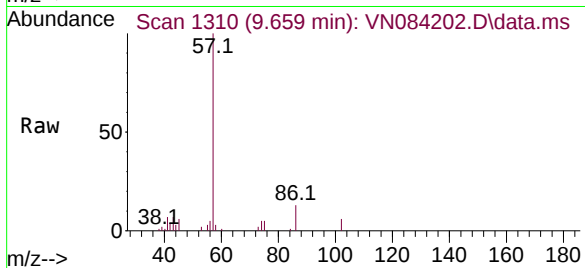
Tgt Ion: 41 Resp: 3214

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 59.1 48.9 73.3



#49

1,4-Dioxane

Concen: 3.457 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN084202.D

Acq: 27 Sep 2024 14:42

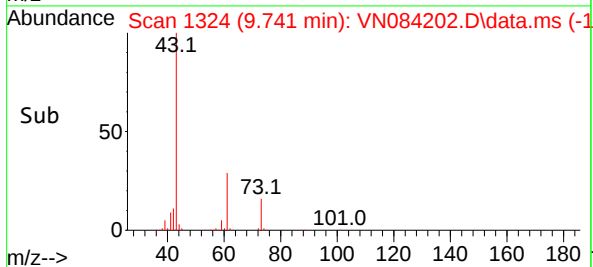
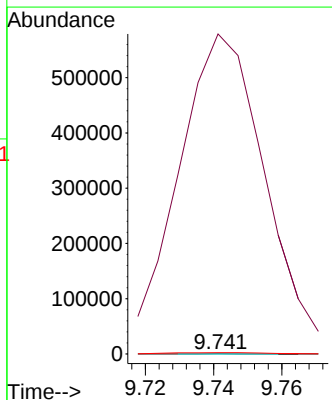
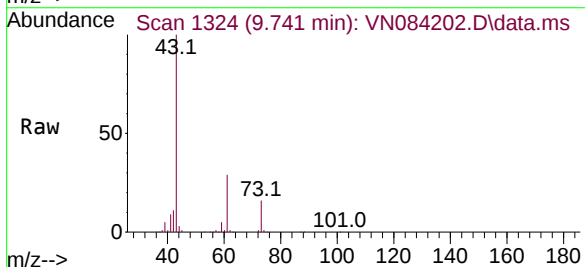
Tgt Ion: 88 Resp: 125

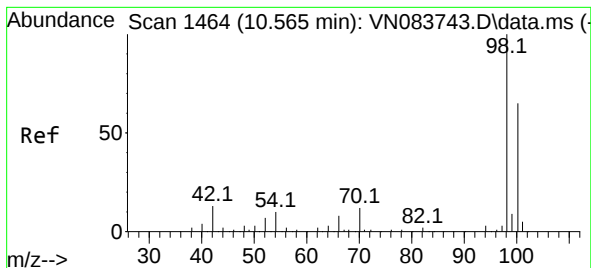
Ion Ratio Lower Upper

88 100

43 836991.2 0.0 0.0#

58 3686.4 57.1 85.7#

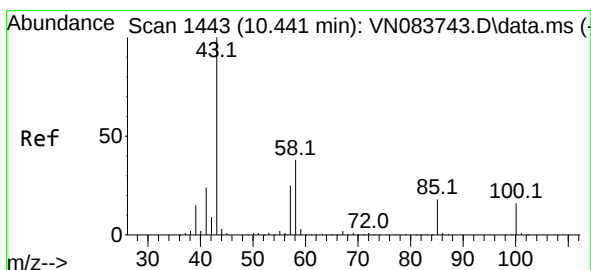
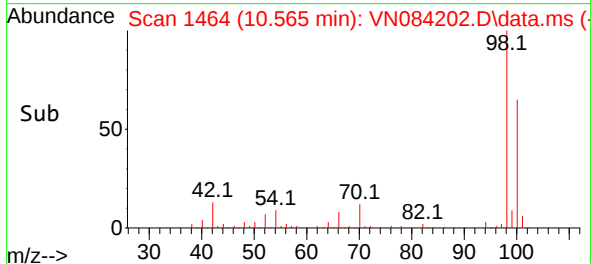
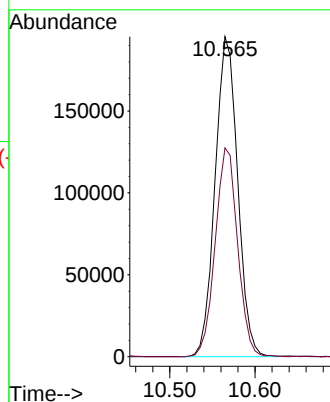
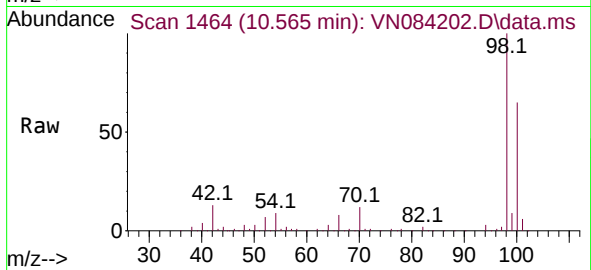




#50
Toluene-d8
Concen: 55.525 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

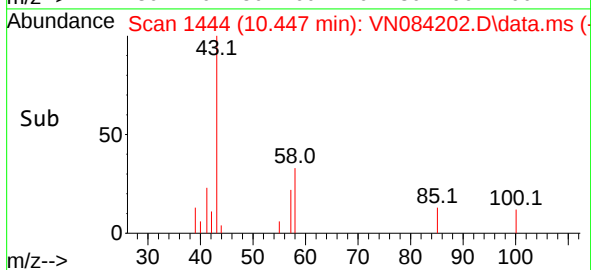
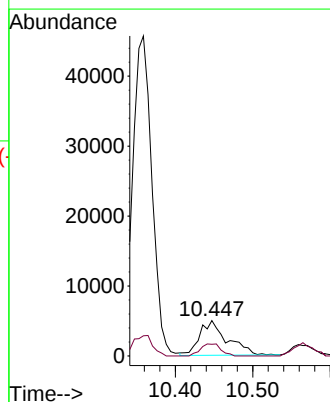
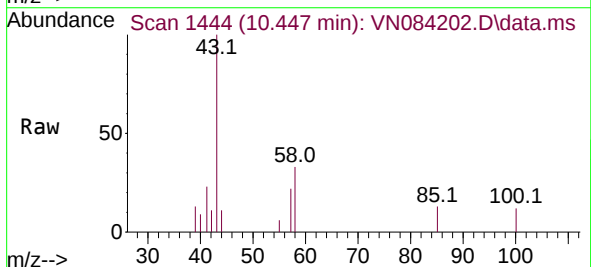
Instrument :
MSVOA_N
ClientSampleId :

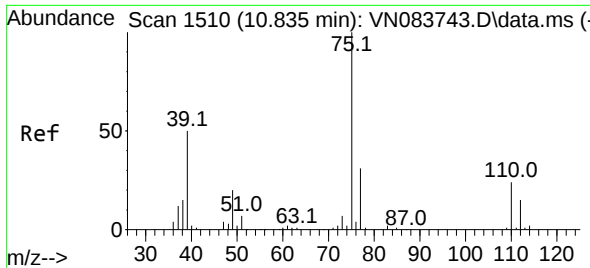
Tgt Ion: 98 Resp: 359243
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.856 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 43 Resp: 12248
Ion Ratio Lower Upper
43 100
58 25.9 31.6 47.4#

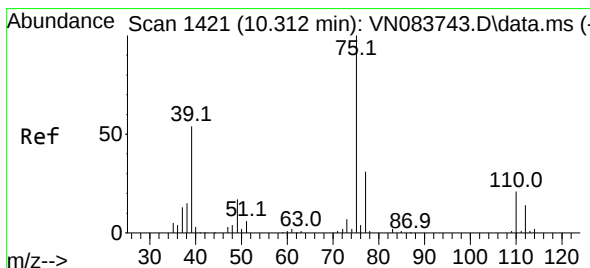
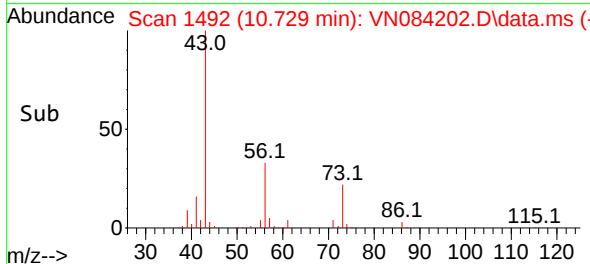
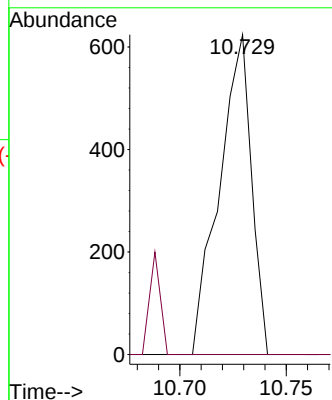
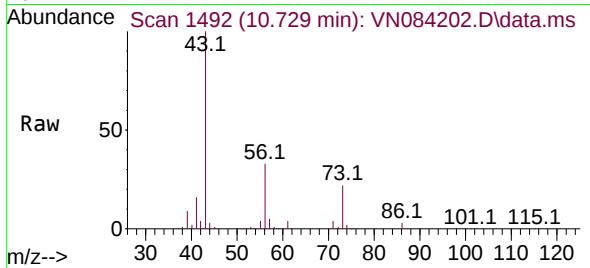




#53
t-1,3-Dichloropropene
Concen: 0.208 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

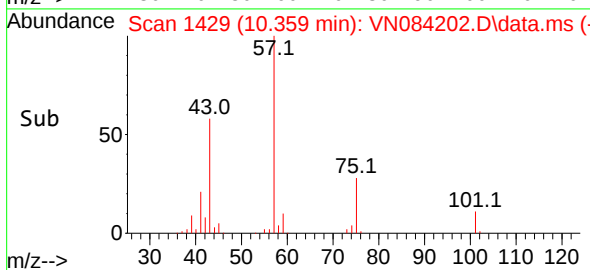
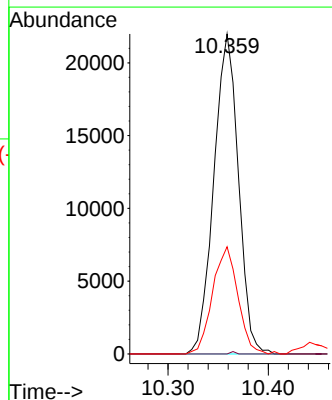
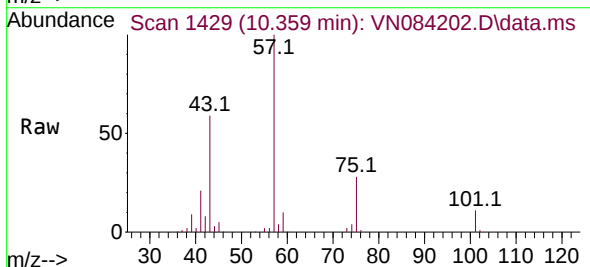
Instrument :
MSVOA_N
ClientSampleId :

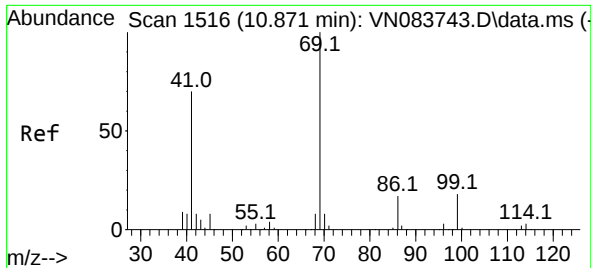
Tgt Ion: 75 Resp: 655
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 11.297 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 75 Resp: 37365
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 33.5 42.6 64.0#

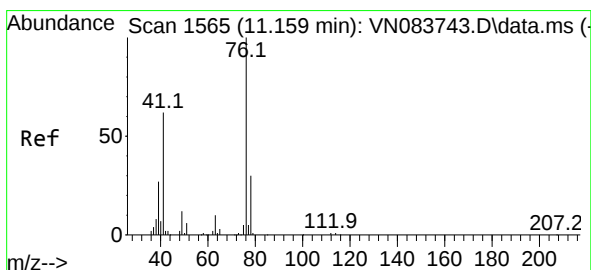
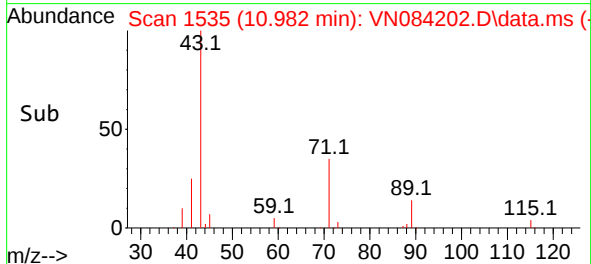
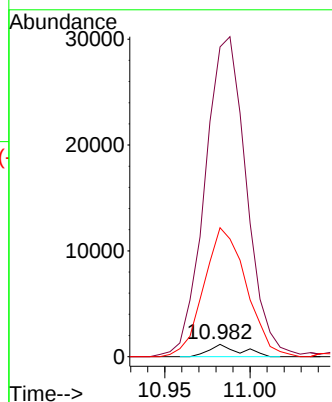
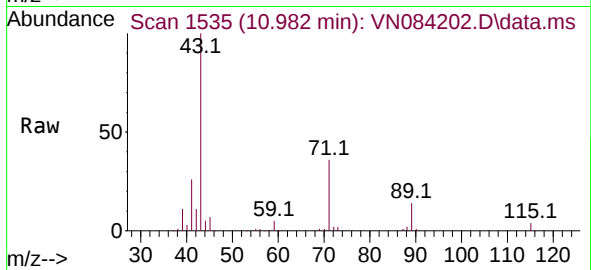




#56
Ethyl methacrylate
Concen: 0.493 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

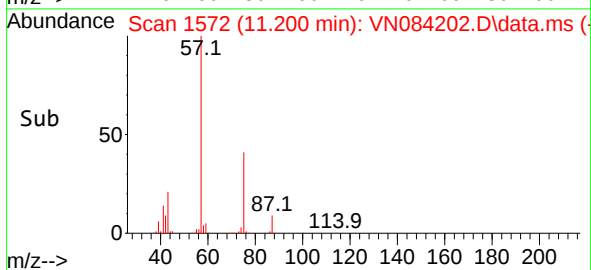
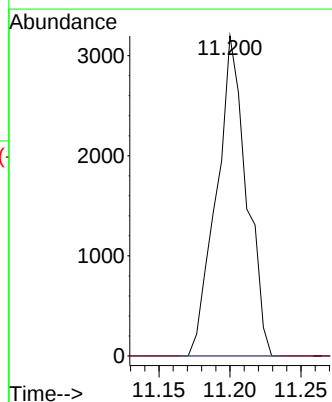
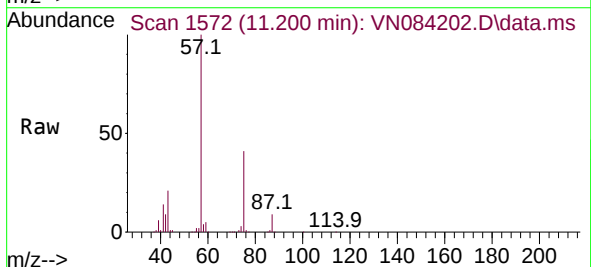
Instrument :
MSVOA_N
ClientSampleId :

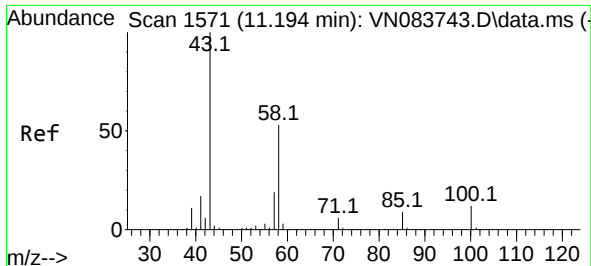
Tgt Ion: 69 Resp: 1469
Ion Ratio Lower Upper
69 100
41 3508.3 53.9 80.9#
39 1440.0 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.415 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 76 Resp: 4710
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

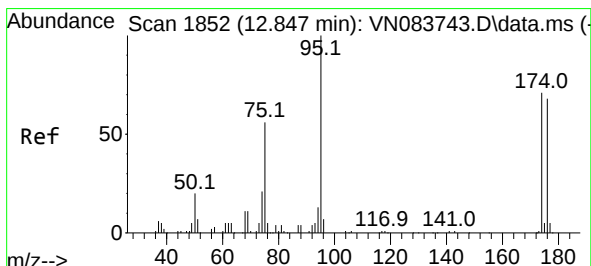
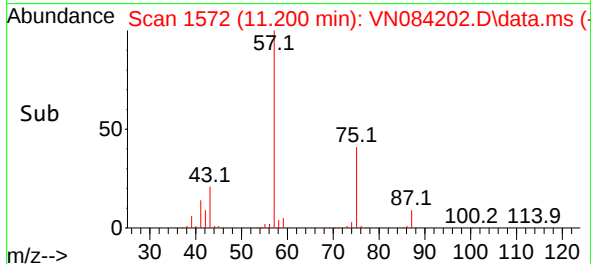
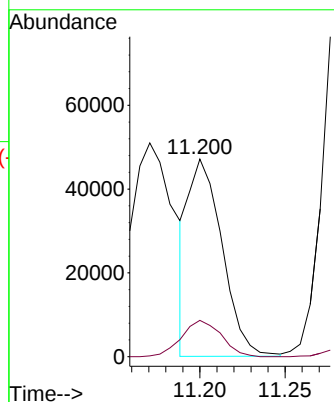
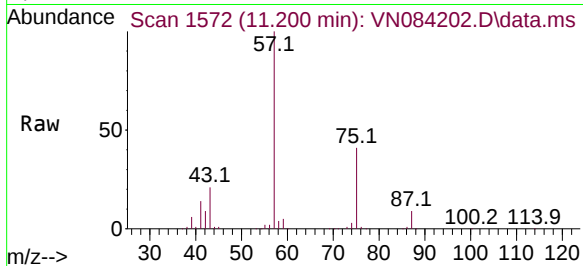




#59
2-Hexanone
Concen: 34.893 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

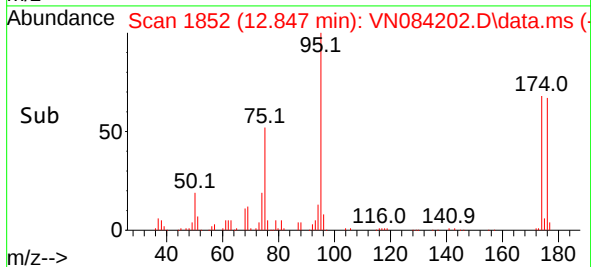
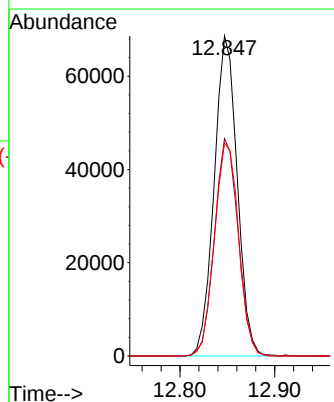
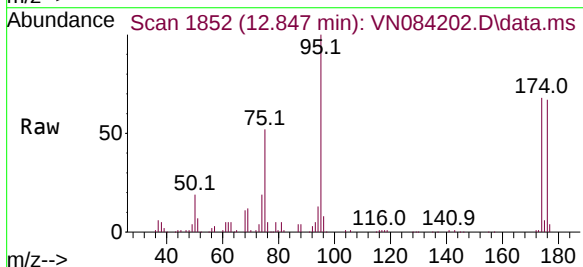
Instrument :
MSVOA_N
ClientSampleId :

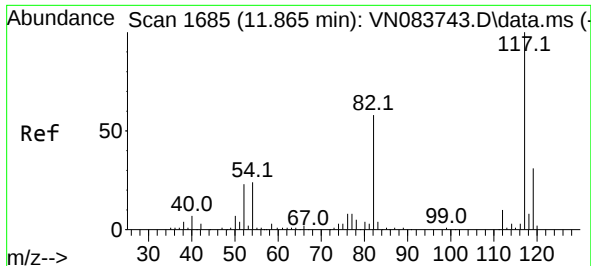
Tgt Ion: 43 Resp: 65101
Ion Ratio Lower Upper
43 100
58 21.6 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 43.545 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Tgt Ion: 95 Resp: 116237
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.8
176 69.5 0.0 131.4

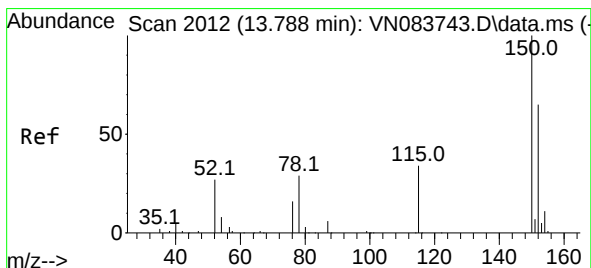
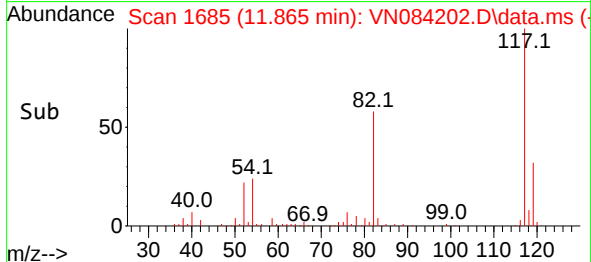
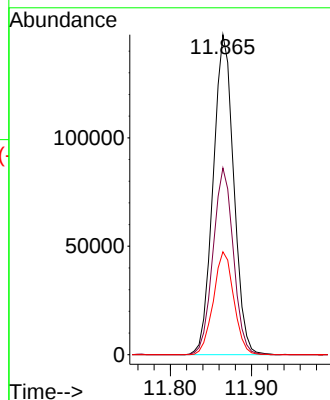
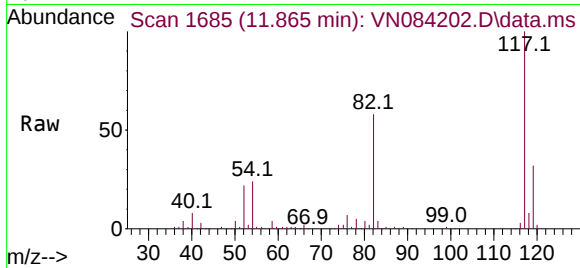




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

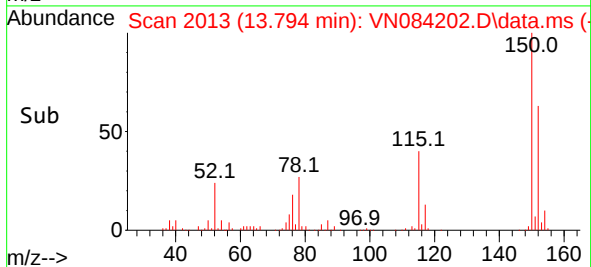
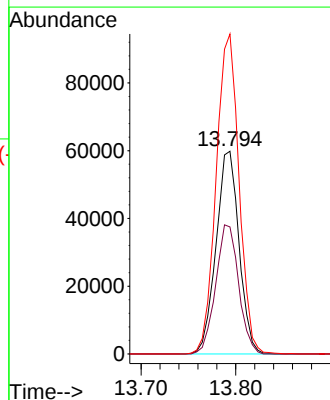
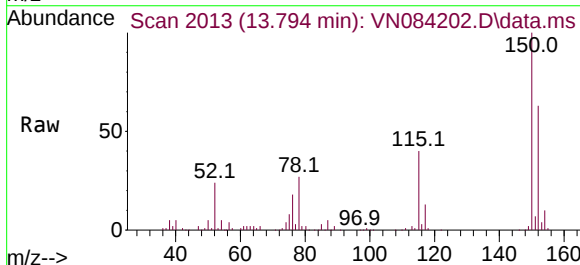
Instrument :
MSVOA_N
ClientSampleId :

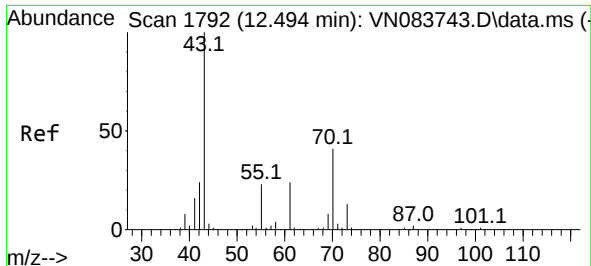
Tgt Ion:117 Resp: 259781
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.0
119 32.1 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

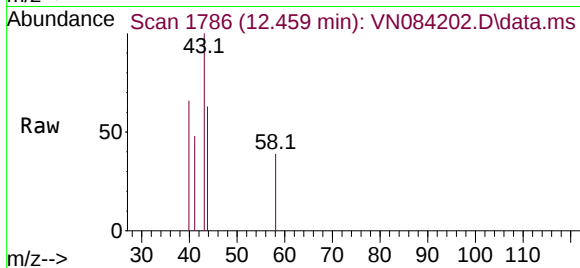
Tgt Ion:152 Resp: 100979
Ion Ratio Lower Upper
152 100
115 63.5 32.2 96.6
150 156.9 0.0 348.6



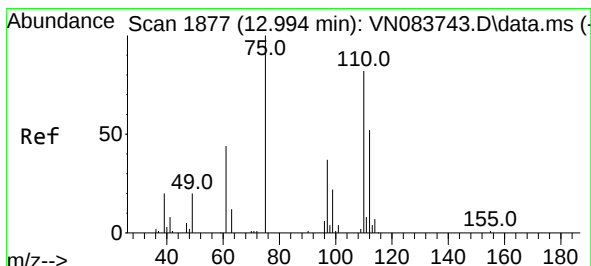
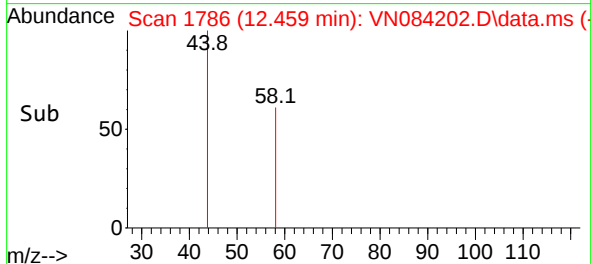
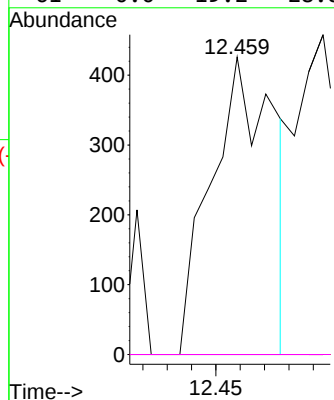


#74
N-amy1 acetate
Concen: 0.228 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

Instrument :
MSVOA_N
ClientSampleId :

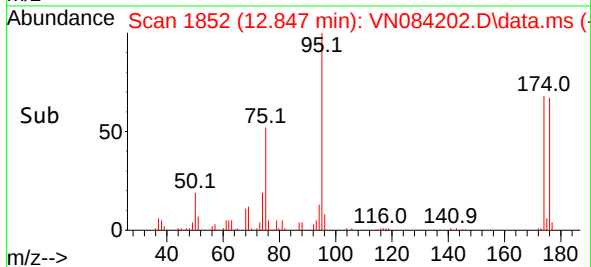
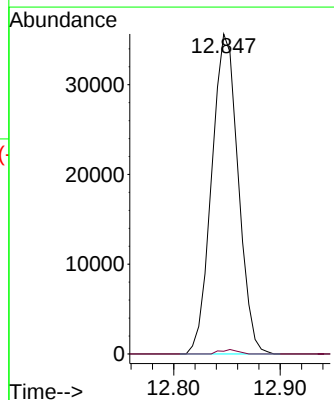
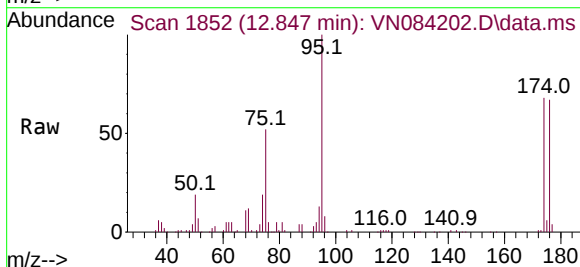


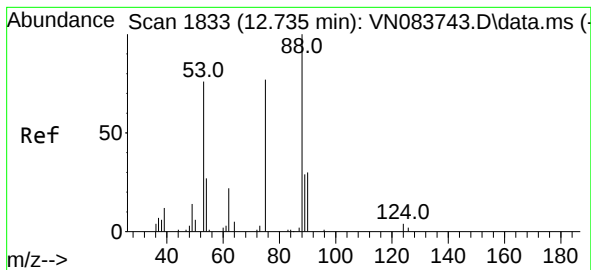
Tgt Ion: 43	Resp: 760
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 30.265 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084202.D
Acq: 27 Sep 2024 14:42

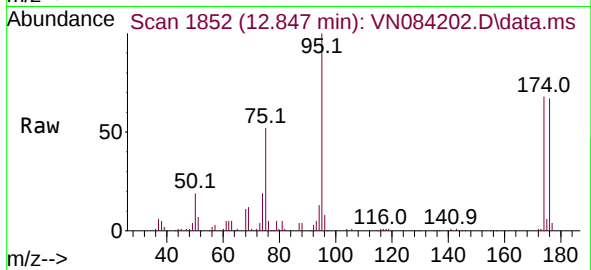
Tgt Ion: 75	Resp: 61666
Ion Ratio	Lower Upper
75 100	
77 0.9	95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.265 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084202.D
 Acq: 27 Sep 2024 14:42

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 61666
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

