

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091924\
 Data File : VN084042.D
 Acq On : 19 Sep 2024 18:28
 Operator : JC\MD
 Sample : P4003-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20240912

Quant Time: Sep 20 01:35:17 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

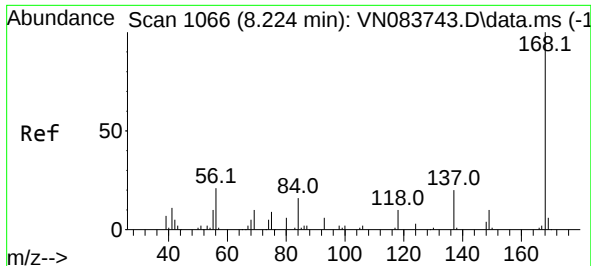
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	152651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92485	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122326	53.145	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.280%			
35) Dibromofluoromethane	8.165	113	85424	49.980	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.960%			
50) Toluene-d8	10.565	98	325275	55.050	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.100%			
62) 4-Bromofluorobenzene	12.847	95	112880	46.304	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	523	0.295	ug/l #	49
3) Chloromethane	2.359	50	744	Below Cal		89
9) 1,1,2-Trichlorotrifluo...	4.377	101	30562	17.481	ug/l	97
12) 1,1-Dichloroethene	4.353	96	7251	4.392	ug/l #	70
16) Acetone	4.442	43	862	0.934	ug/l #	45
18) Methyl Acetate	5.024	43	65	Below Cal	#	52
24) 1,1-Dichloroethane	6.577	63	4229	1.212	ug/l #	82
27) cis-1,2-Dichloroethene	7.494	96	4633	2.206	ug/l	91
29) Tetrahydrofuran	7.847	42	569	0.793	ug/l #	40
30) Chloroform	7.977	83	5050	1.363	ug/l	92
31) Cyclohexane	8.224	56	4356	1.309	ug/l #	41
32) 1,1,1-Trichloroethane	8.177	97	788	0.231	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	14292	5.556	ug/l #	49
38) Carbon Tetrachloride	8.365	117	7800	2.673	ug/l	91
39) Methylcyclohexane	9.353	83	46165	15.766	ug/l #	1
42) 1,2-Dichloroethane	8.677	62	981	0.339	ug/l #	77
43) Isopropyl Acetate	8.671	43	1769	0.418	ug/l #	57
44) Trichloroethene	9.353	130	3318611	1850.784	ug/l	90
45) 1,2-Dichloropropane	9.353	63	13349	7.133	ug/l #	1
49) 1,4-Dioxane	9.694	88	717	21.710	ug/l #	54
51) 4-Methyl-2-Pentanone	10.565	43	1633	0.709	ug/l #	1
55) 1,1,2-Trichloroethane	11.012	97	2007	1.135	ug/l #	82
60) Dibromochloromethane	11.106	129	4344	2.195	ug/l #	10
64) Tetrachloroethene	11.106	164	4305	2.846	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	65194	34.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	65194	91.497	ug/l #	9

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

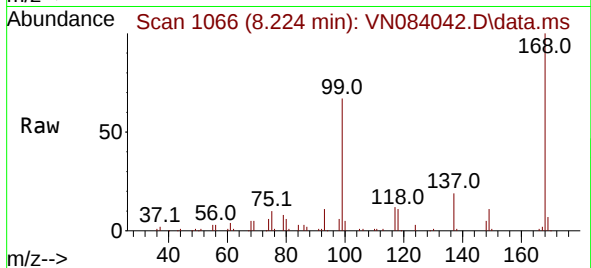
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Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



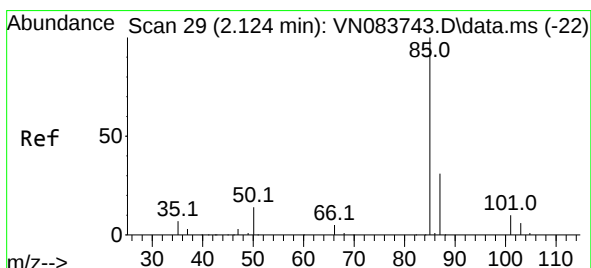
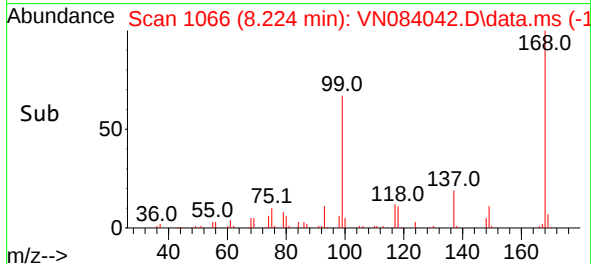
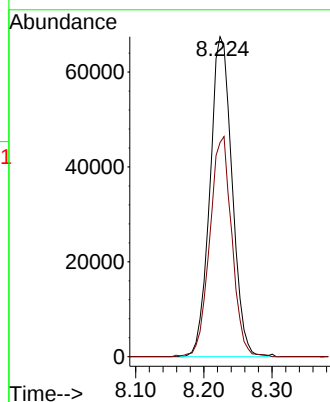


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

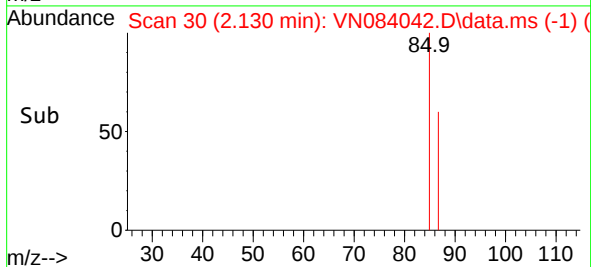
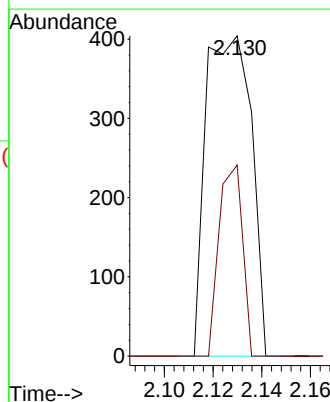
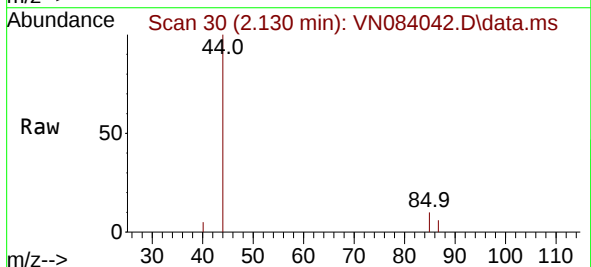


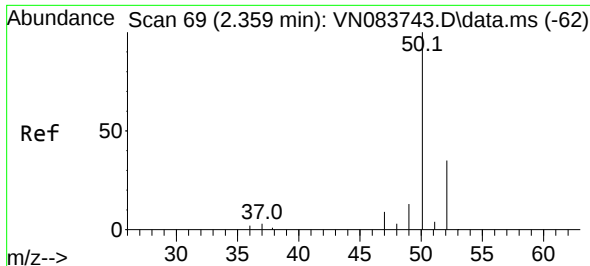
Tgt Ion:168 Resp: 152651
Ion Ratio Lower Upper
168 100
99 66.9 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.295 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 85 Resp: 523
Ion Ratio Lower Upper
85 100
87 59.7 15.7 47.0#

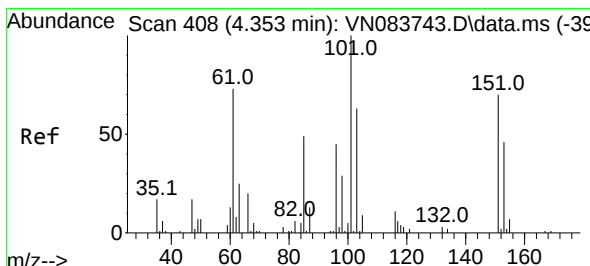
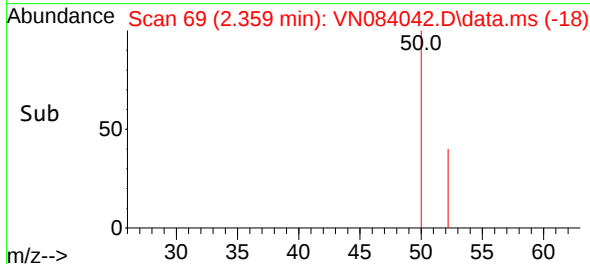
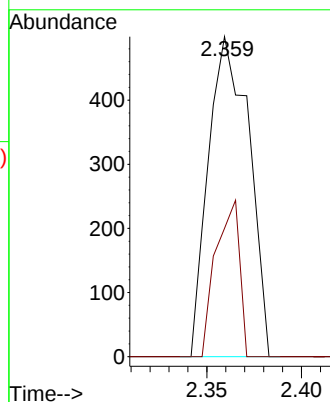
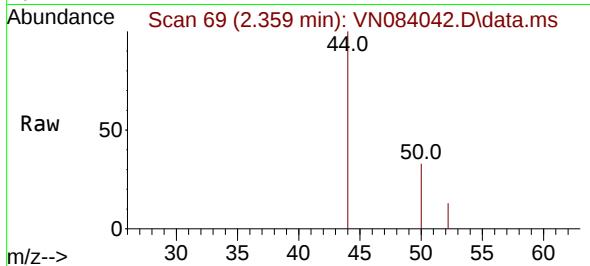




#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

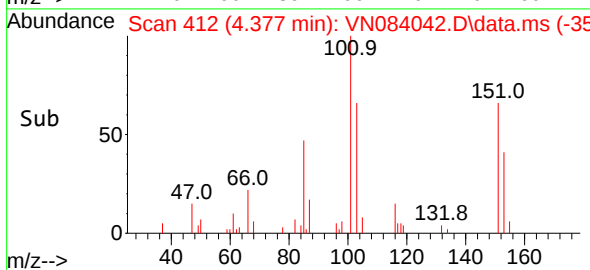
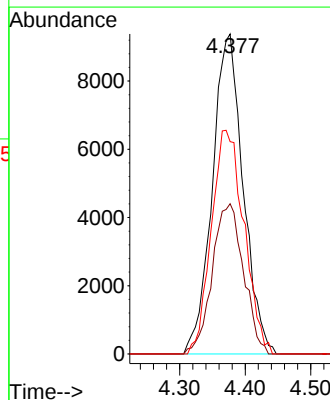
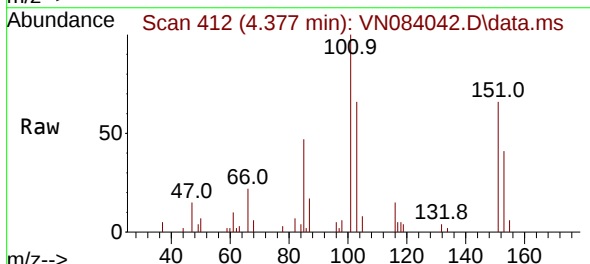
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ClientSampleId :
RE105D2-20240912

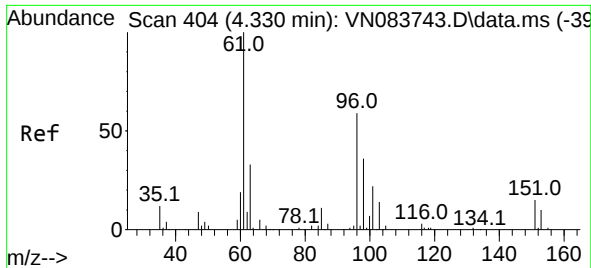
Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 40.1 27.2 40.8



#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.481 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.023 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 101 Resp: 30562
Ion Ratio Lower Upper
101 100
85 47.7 36.2 54.4
151 74.0 57.7 86.5

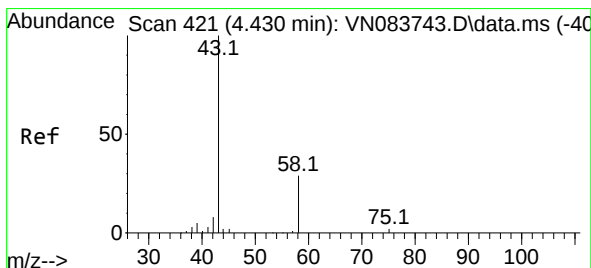
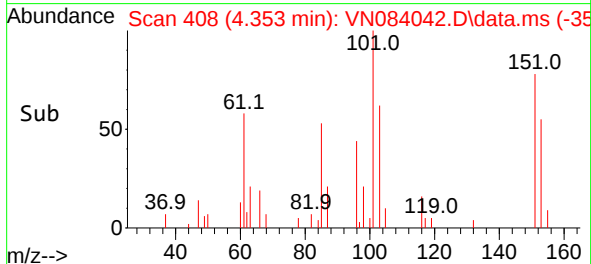
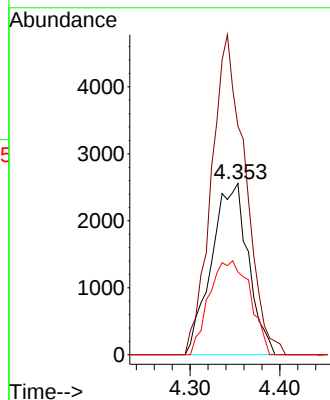
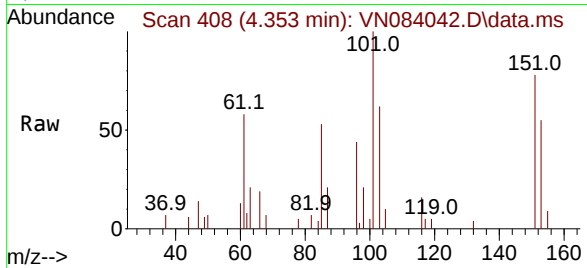




#12
 1,1-Dichloroethene
 Concen: 4.392 ug/l
 RT: 4.353 min Scan# 408
 Delta R.T. 0.023 min
 Lab File: VN084042.D
 Acq: 19 Sep 2024 18:28

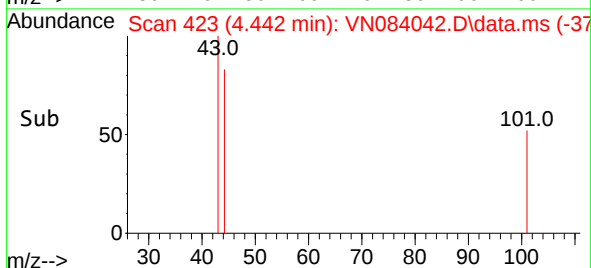
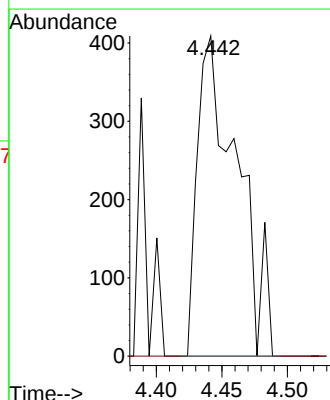
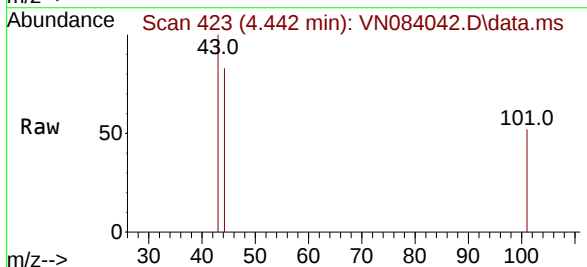
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20240912

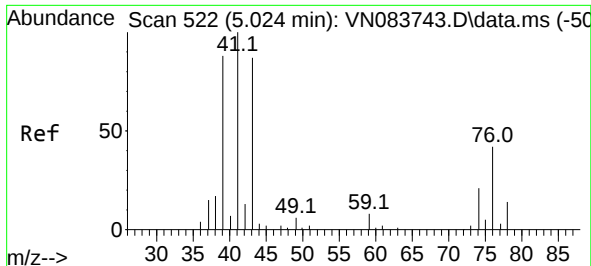
Tgt Ion: 96 Resp: 7251
 Ion Ratio Lower Upper
 96 100
 61 133.3 143.4 215.0#
 98 48.2 52.7 79.1#



#16
 Acetone
 Concen: 0.934 ug/l
 RT: 4.442 min Scan# 423
 Delta R.T. 0.012 min
 Lab File: VN084042.D
 Acq: 19 Sep 2024 18:28

Tgt Ion: 43 Resp: 862
 Ion Ratio Lower Upper
 43 100
 58 0.0 23.7 35.5#

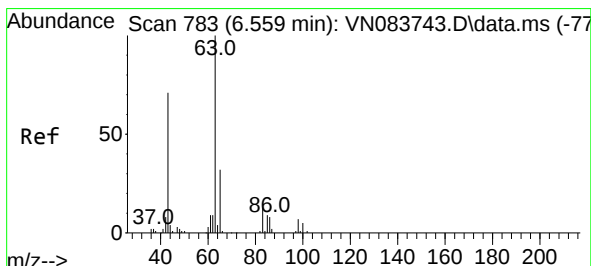
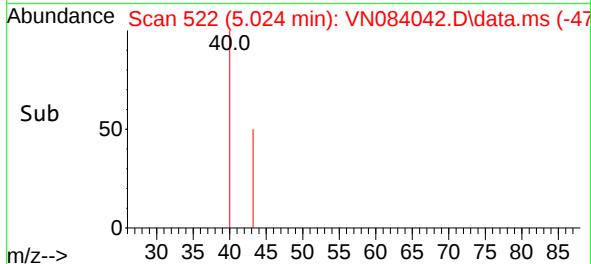
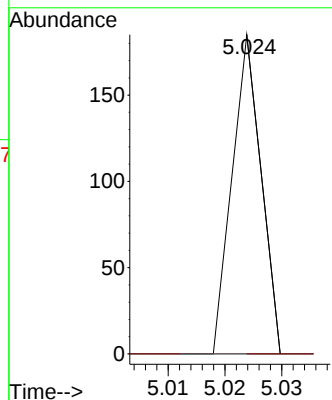
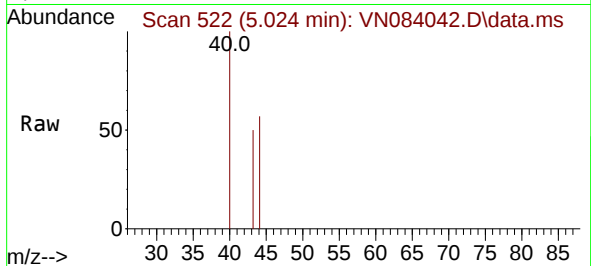




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

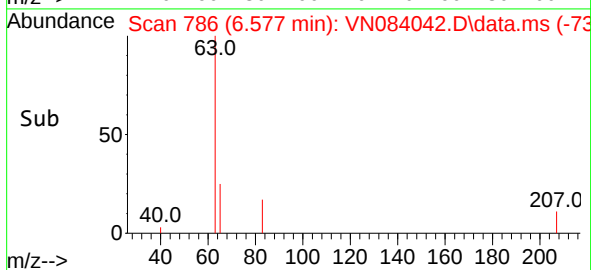
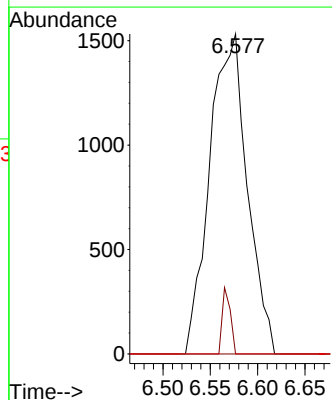
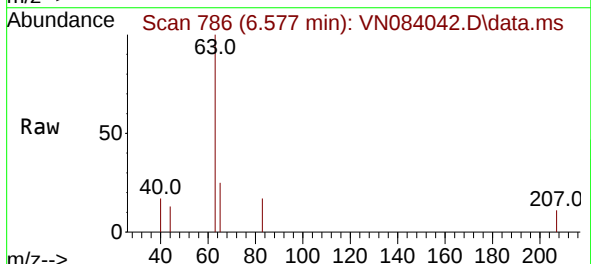
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

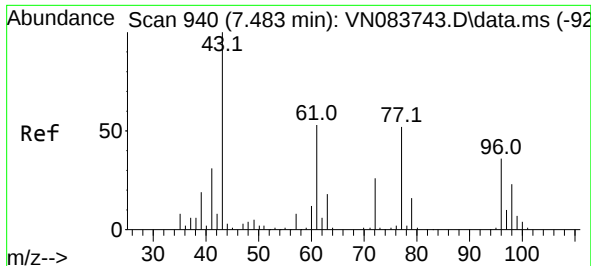
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#24
1,1-Dichloroethane
Concen: 1.212 ug/l
RT: 6.577 min Scan# 786
Delta R.T. 0.018 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 63 Resp: 4229
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#

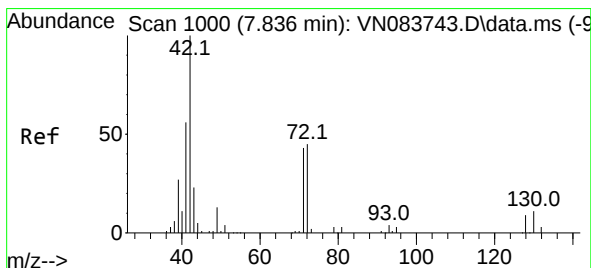
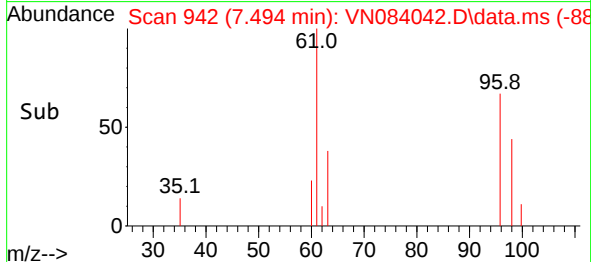
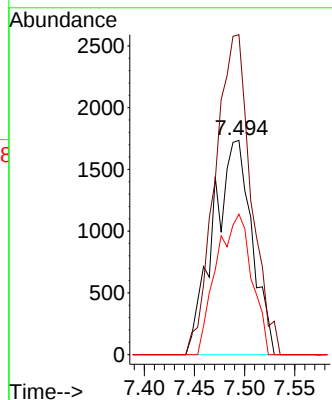
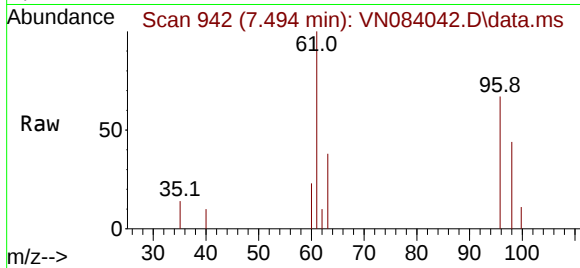




#27
 cis-1,2-Dichloroethene
 Concen: 2.206 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN084042.D
 Acq: 19 Sep 2024 18:28

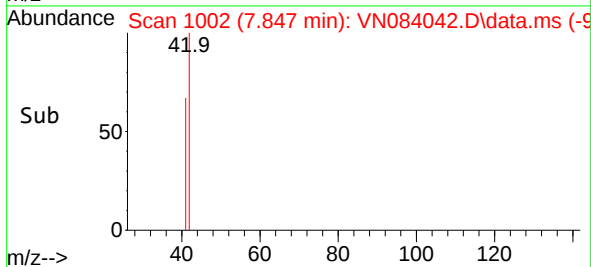
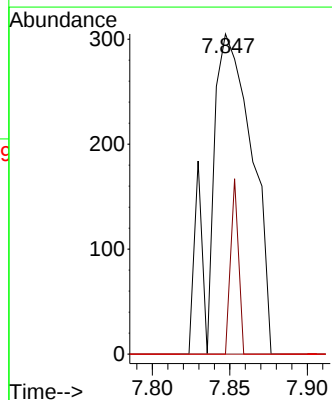
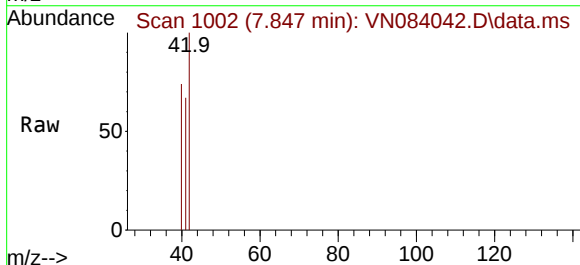
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 ClientSampleId :
 RE105D2-20240912

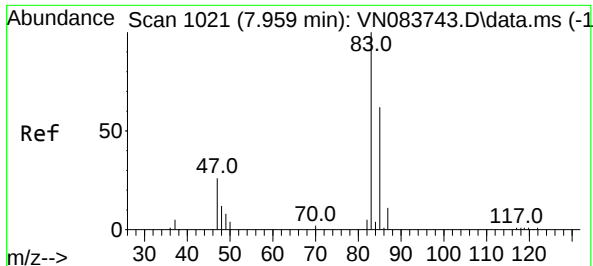
Tgt Ion:	96	Resp:	4633
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	306.2
98	60.2	0.0	128.6



#29
 Tetrahydrofuran
 Concen: 0.793 ug/l
 RT: 7.847 min Scan# 1002
 Delta R.T. 0.012 min
 Lab File: VN084042.D
 Acq: 19 Sep 2024 18:28

Tgt Ion:	42	Resp:	569
Ion	Ratio	Lower	Upper
42	100		
72	10.4	35.9	53.9#
71	0.0	33.9	50.9#





#30

Chloroform

Concen: 1.363 ug/l

RT: 7.977 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

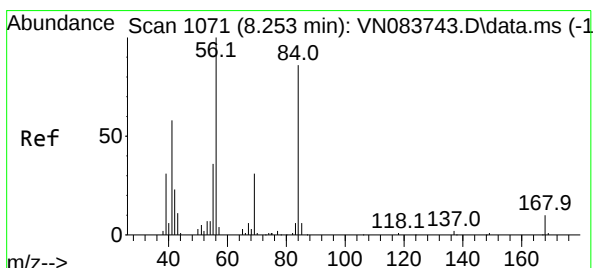
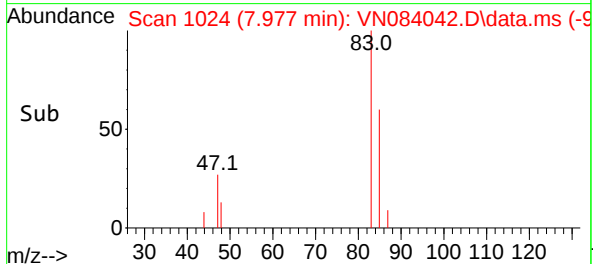
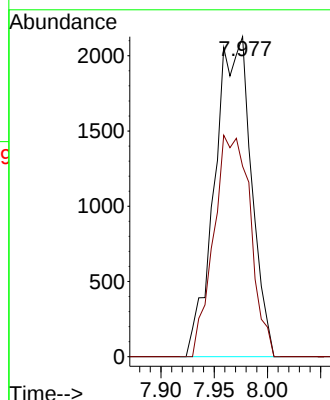
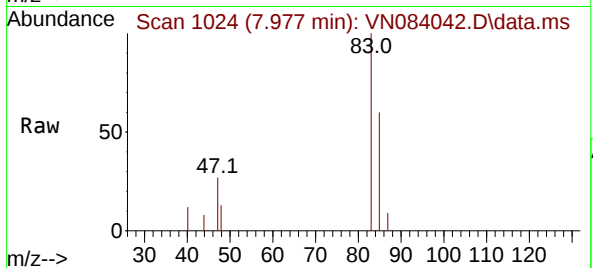
RE105D2-20240912

Tgt Ion: 83 Resp: 5050

Ion Ratio Lower Upper

83 100

85 59.5 52.8 79.2



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

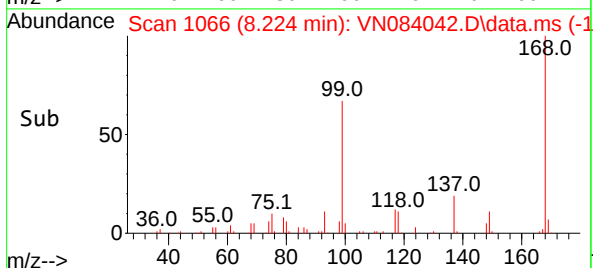
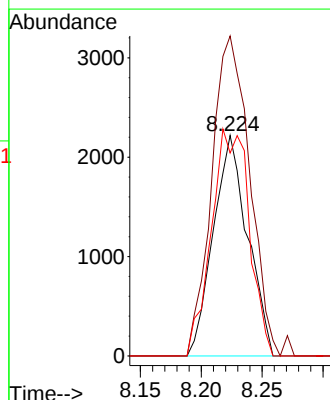
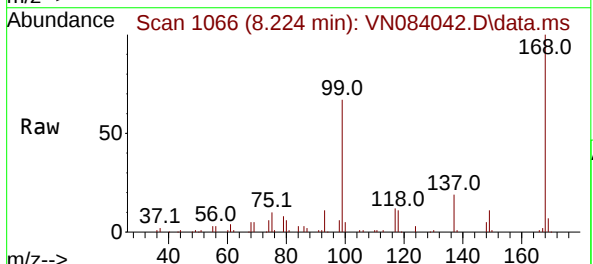
Tgt Ion: 56 Resp: 4356

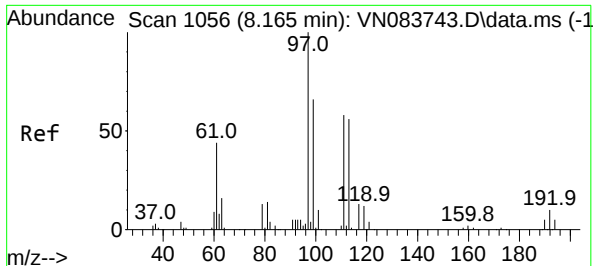
Ion Ratio Lower Upper

56 100

69 145.1 26.9 40.3#

84 92.0 69.2 103.8

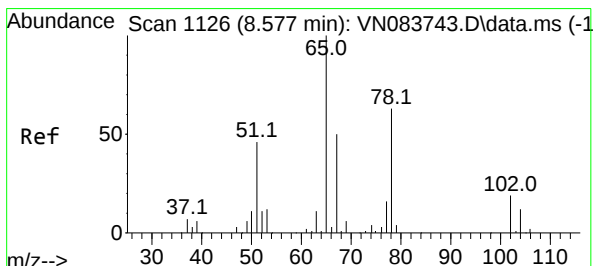
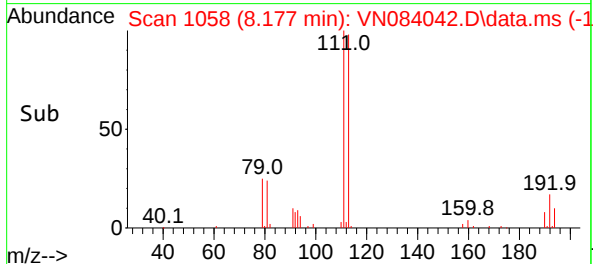
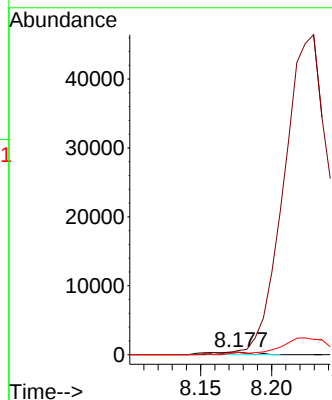
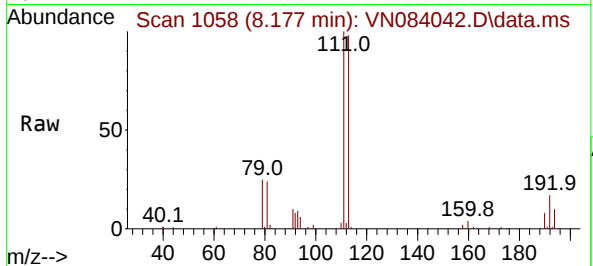




#32
1,1,1-Trichloroethane
Concen: 0.231 ug/l
RT: 8.177 min Scan# 1105
Delta R.T. 0.012 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

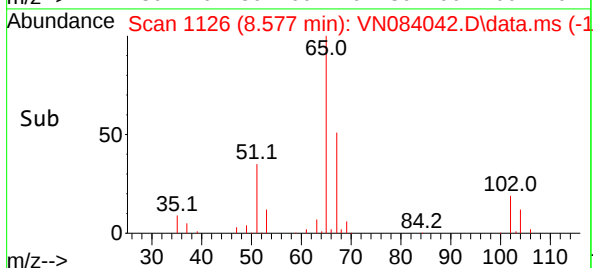
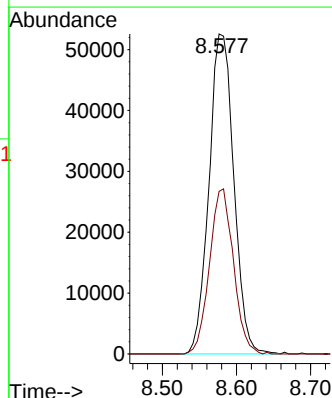
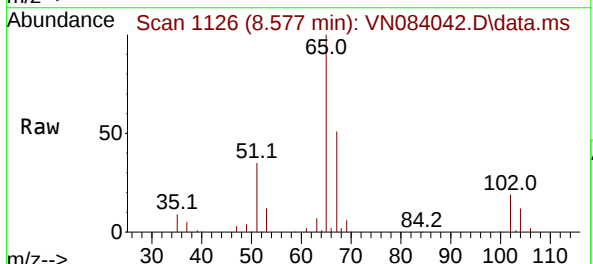
Instrument :
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RE105D2-20240912

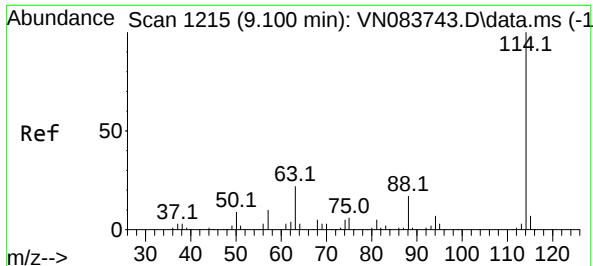
Tgt Ion: 97 Resp: 788
Ion Ratio Lower Upper
97 100
99 0.0 52.3 78.5#
61 0.0 38.2 57.2#



#33
1,2-Dichloroethane-d4
Concen: 53.145 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 65 Resp: 122326
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.8

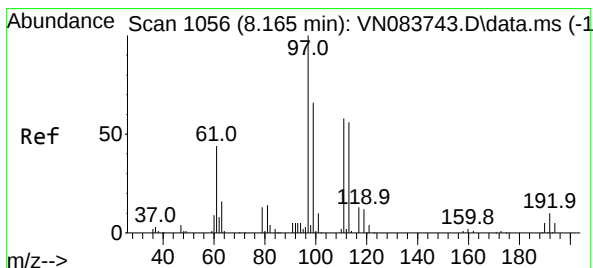
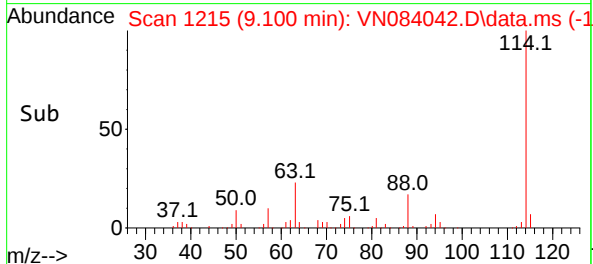
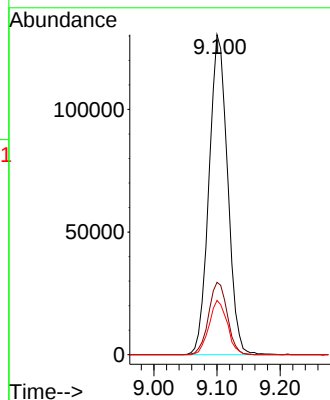
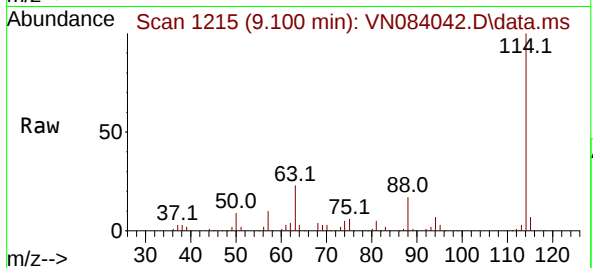




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

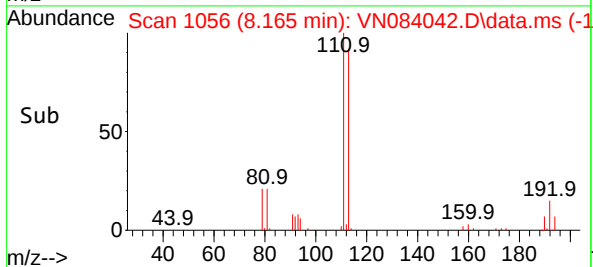
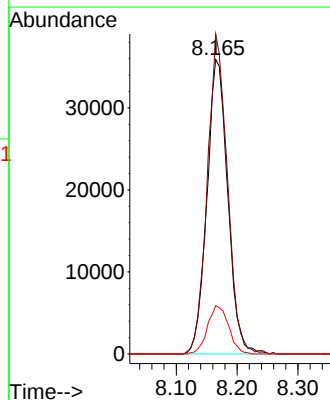
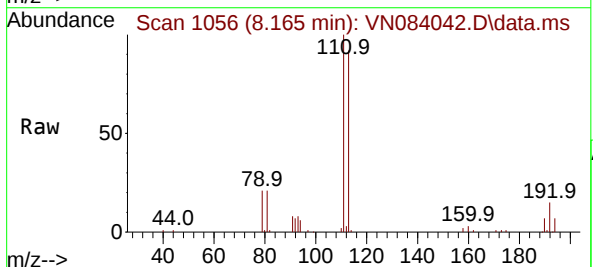
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

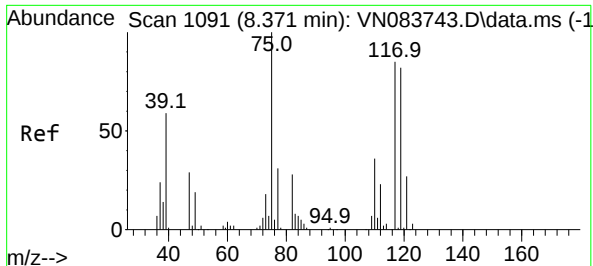
Tgt Ion:114 Resp: 266980
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.4
88 16.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.980 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion:113 Resp: 85424
Ion Ratio Lower Upper
113 100
111 105.1 82.6 124.0
192 16.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.556 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20240912

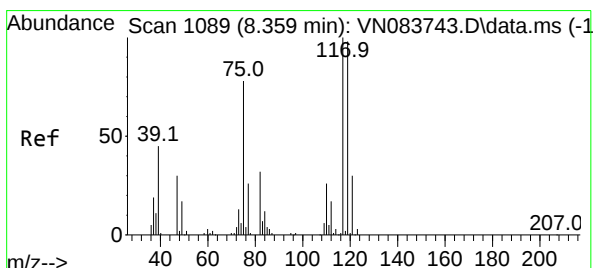
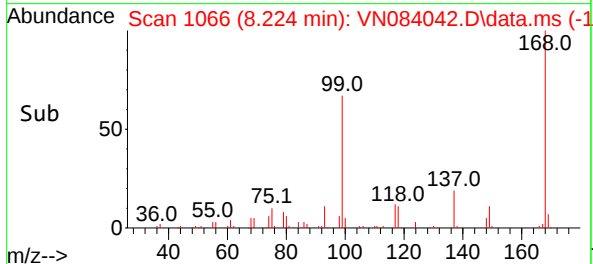
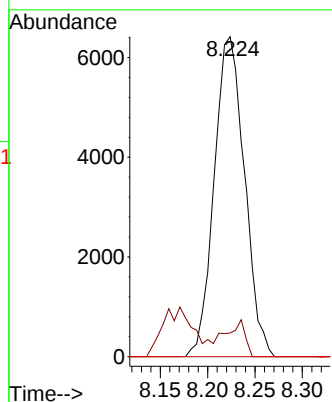
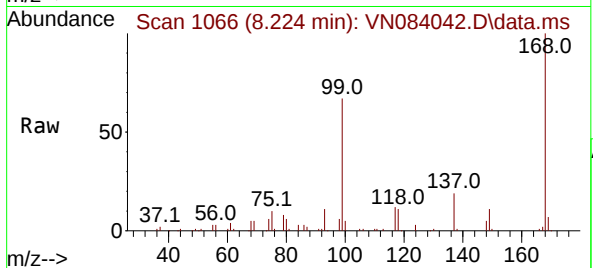
Tgt Ion: 75 Resp: 14292

Ion Ratio Lower Upper

75 100

110 7.4 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 2.673 ug/l

RT: 8.365 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

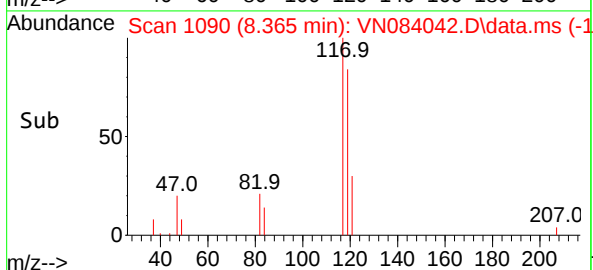
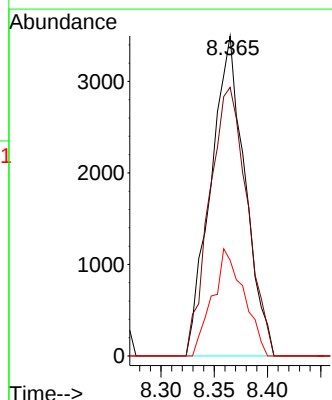
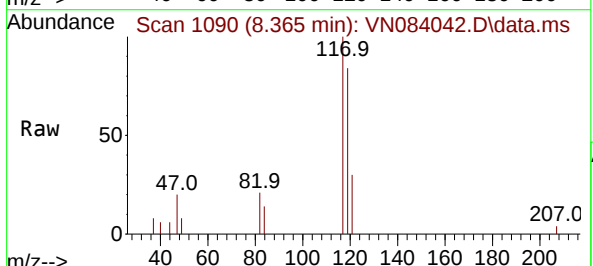
Tgt Ion: 117 Resp: 7800

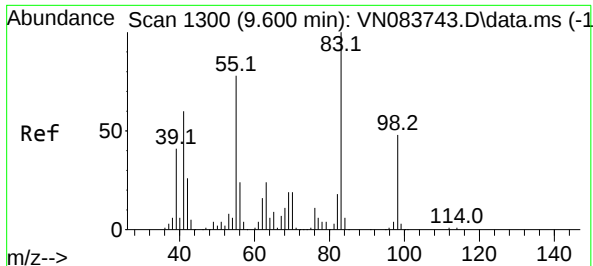
Ion Ratio Lower Upper

117 100

119 83.9 76.1 114.1

121 29.9 24.1 36.1





#39

Methylcyclohexane

Concen: 15.766 ug/l

RT: 9.353 min Scan# 1128

Delta R.T. -0.247 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20240912

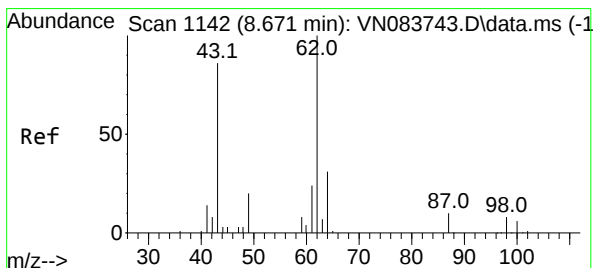
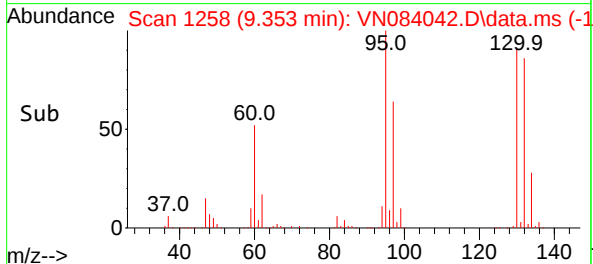
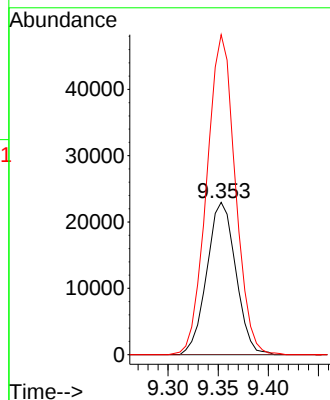
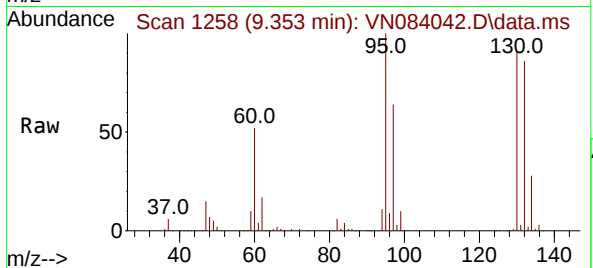
Tgt Ion: 83 Resp: 46165

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 209.5 37.6 56.4#



#42

1,2-Dichloroethane

Concen: 0.339 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN084042.D

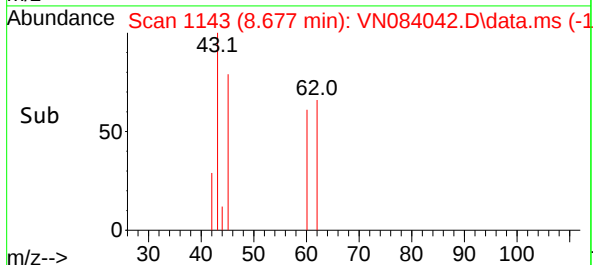
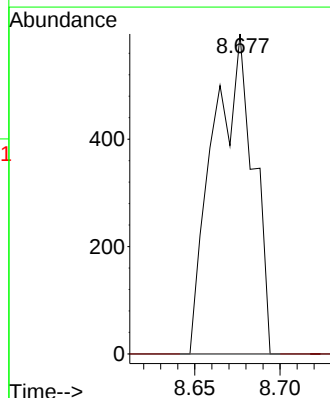
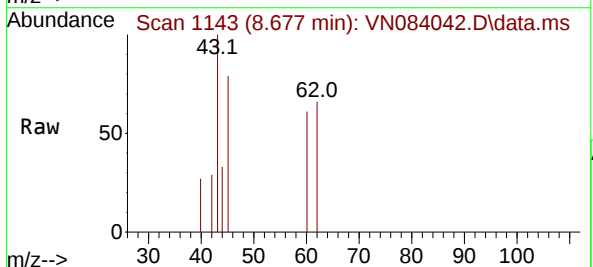
Acq: 19 Sep 2024 18:28

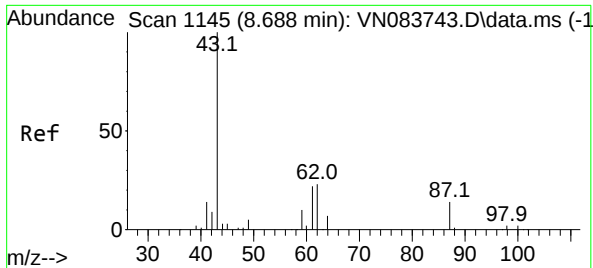
Tgt Ion: 62 Resp: 981

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6

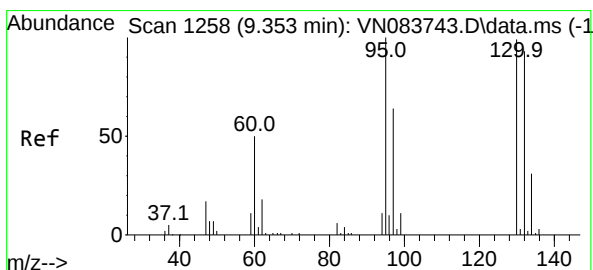
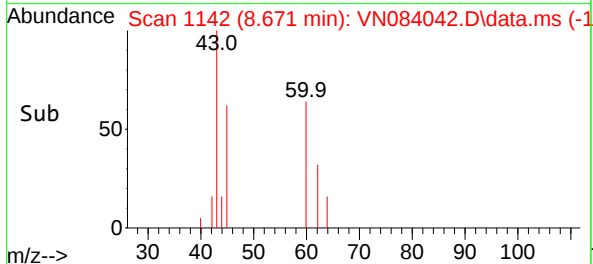
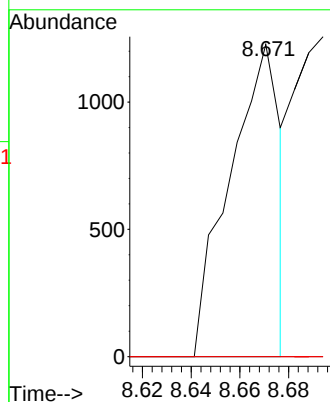
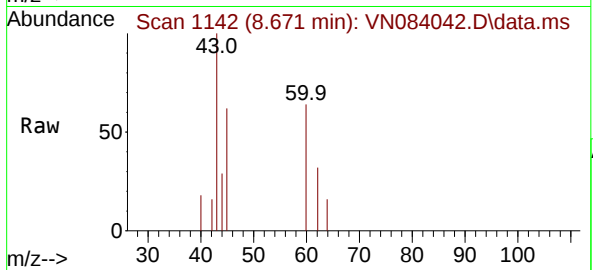




#43
Isopropyl Acetate
Concen: 0.418 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.018 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

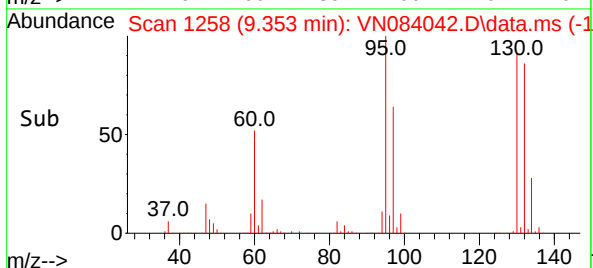
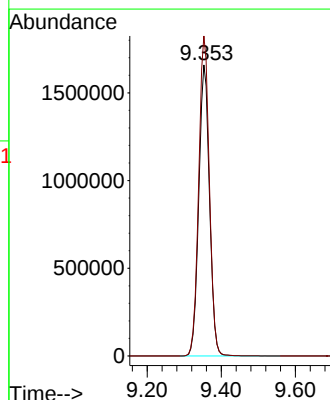
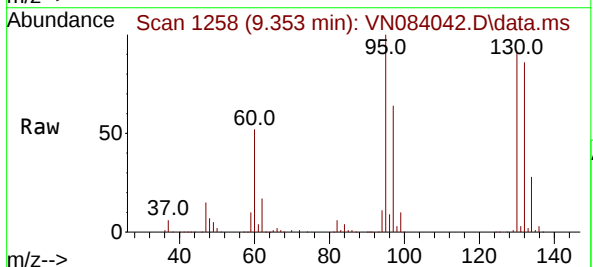
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

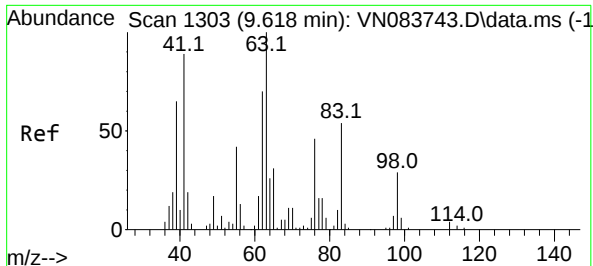
Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 1850.784 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion:130 Resp: 3318611
Ion Ratio Lower Upper
130 100
95 110.0 0.0 200.4





#45

1,2-Dichloropropane

Concen: 7.133 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.265 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

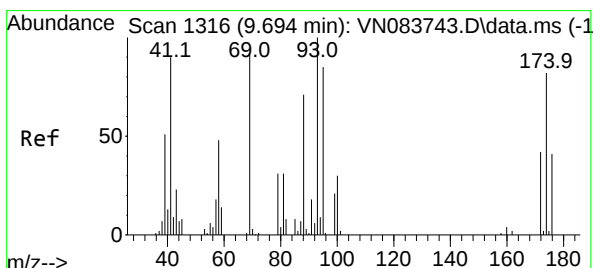
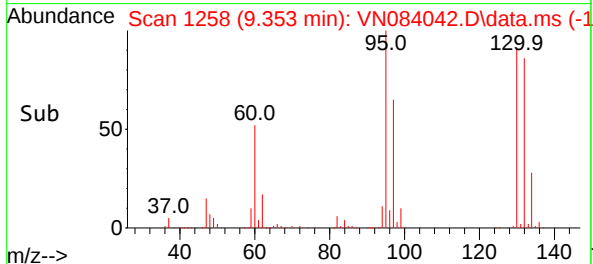
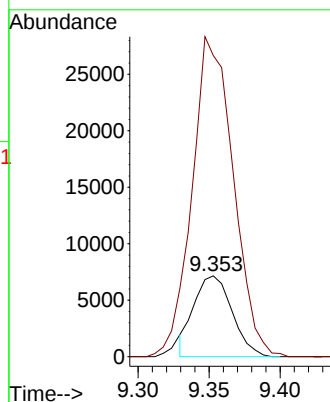
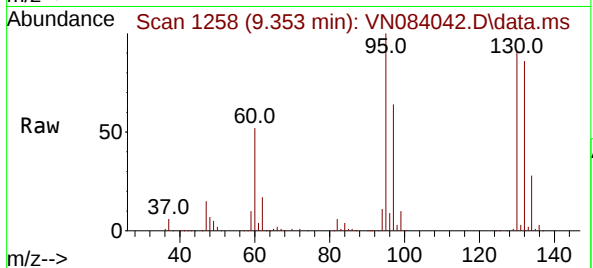
RE105D2-20240912

Tgt Ion: 63 Resp: 13349

Ion Ratio Lower Upper

63 100

65 368.8 25.9 38.9#



#49

1,4-Dioxane

Concen: 21.710 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

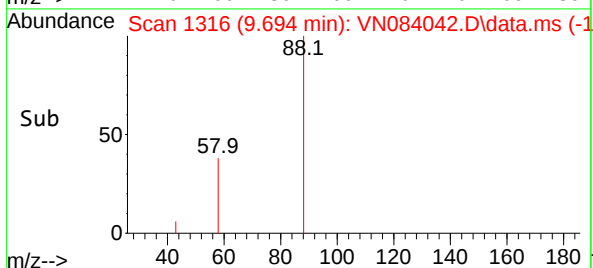
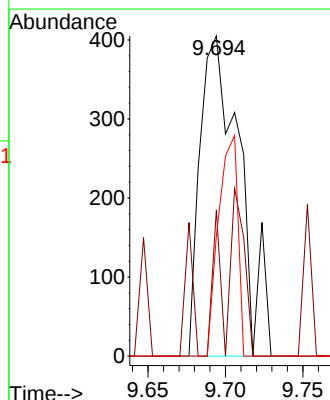
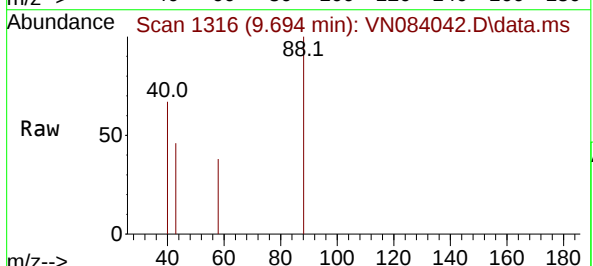
Tgt Ion: 88 Resp: 717

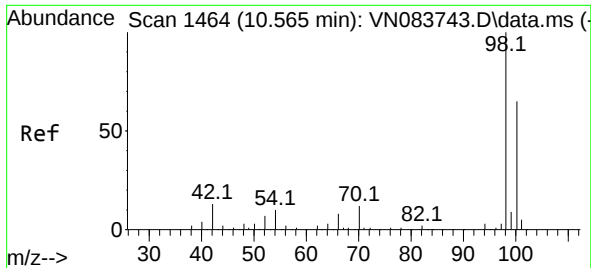
Ion Ratio Lower Upper

88 100

43 26.9 0.0 0.0#

58 33.6 57.1 85.7#

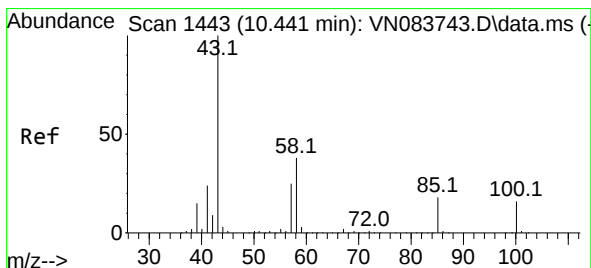
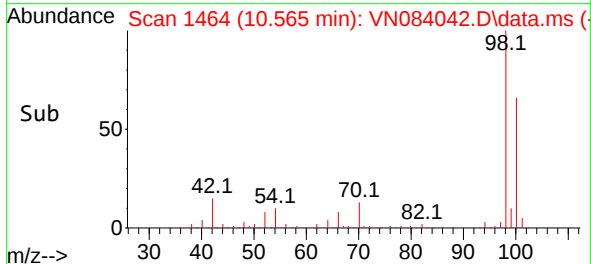
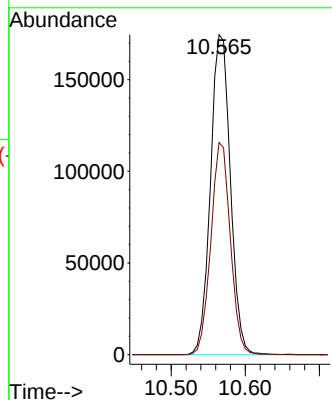
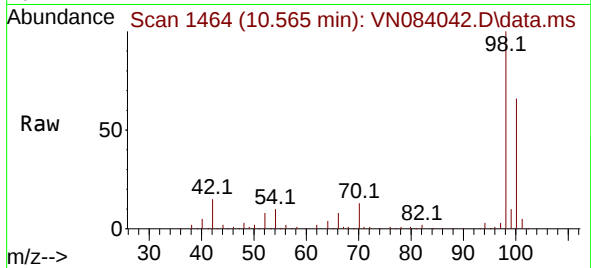




#50
Toluene-d8
Concen: 55.050 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

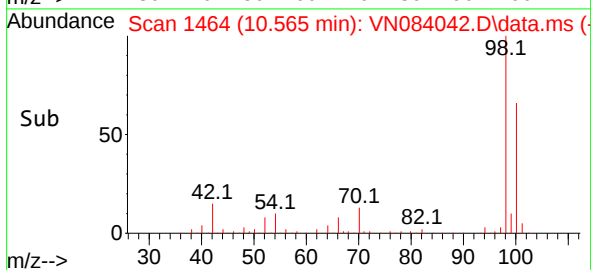
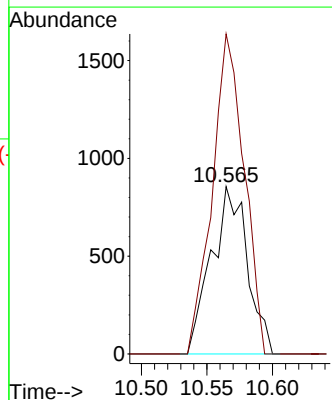
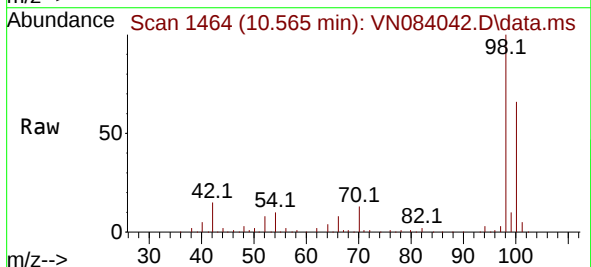
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

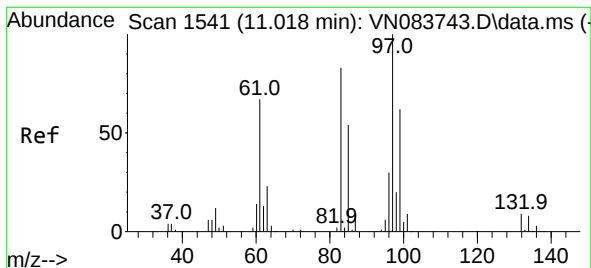
Tgt Ion: 98 Resp: 325275
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.709 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
58 169.7 31.6 47.4#





#55

1,1,2-Trichloroethane

Concen: 1.135 ug/l

RT: 11.012 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20240912

Tgt Ion: 97 Resp: 2007

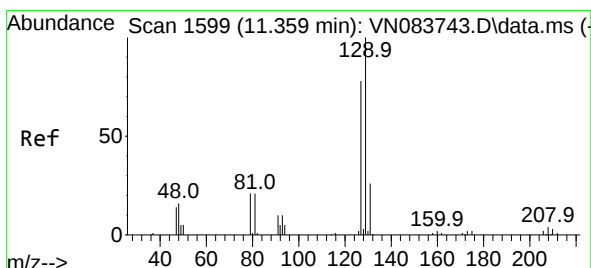
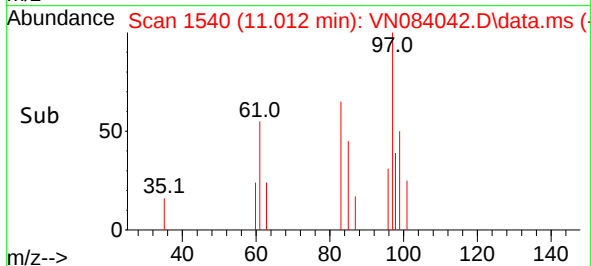
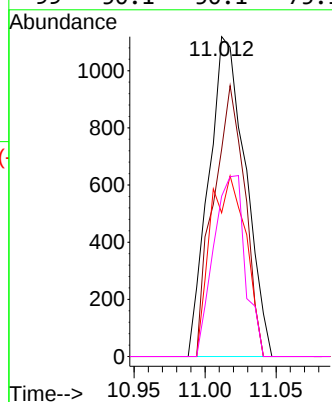
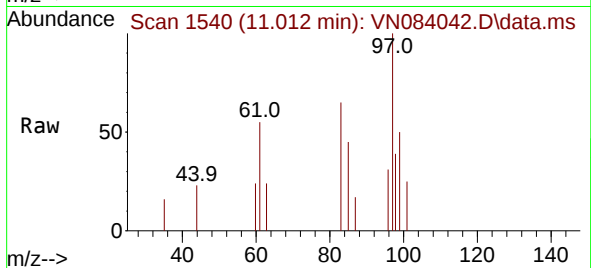
Ion Ratio Lower Upper

97 100

83 64.8 67.5 101.3#

85 45.0 44.2 66.2

99 50.1 50.1 75.1



#60

Dibromochloromethane

Concen: 2.195 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.253 min

Lab File: VN084042.D

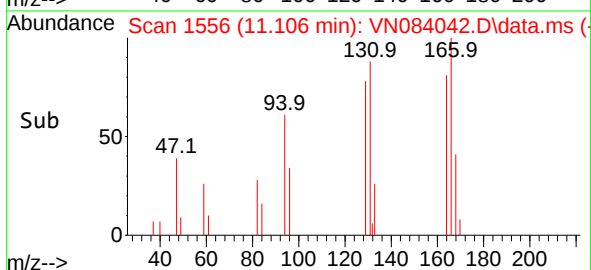
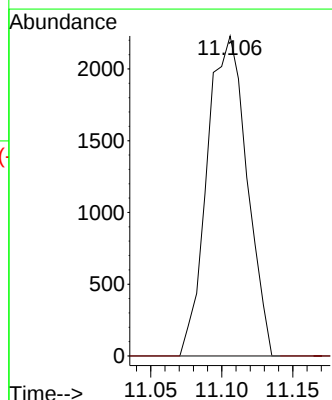
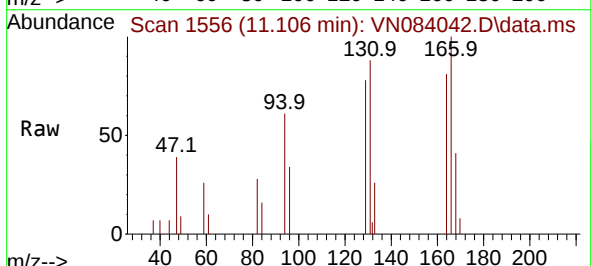
Acq: 19 Sep 2024 18:28

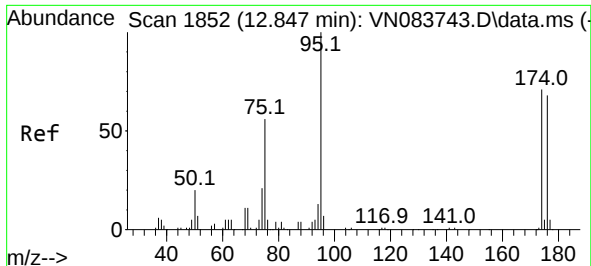
Tgt Ion:129 Resp: 4344

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

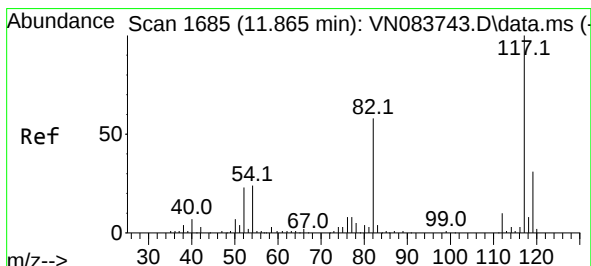
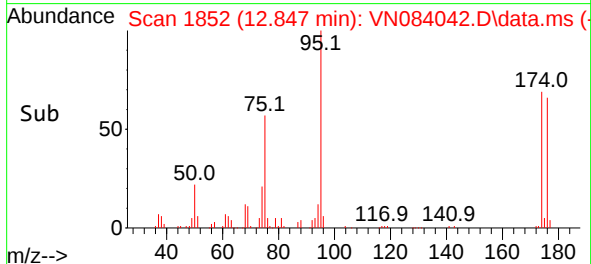
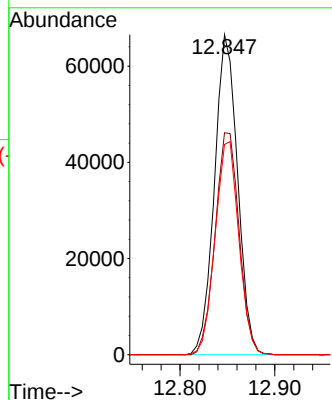
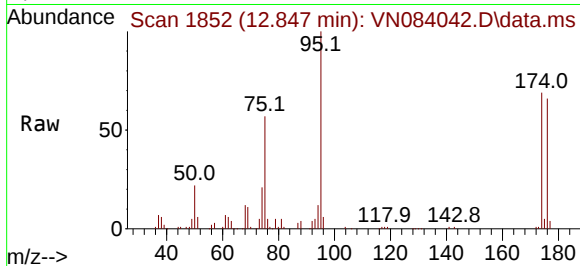




#62
4-Bromofluorobenzene
Concen: 46.304 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

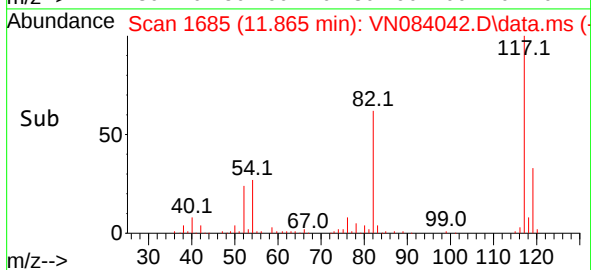
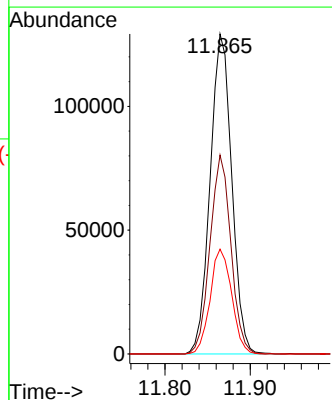
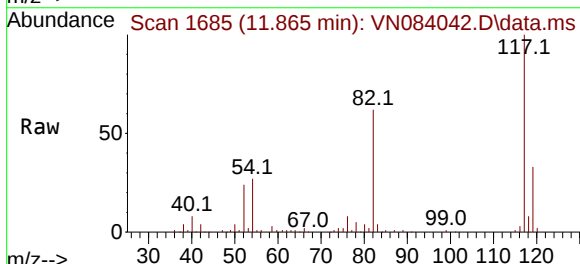
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

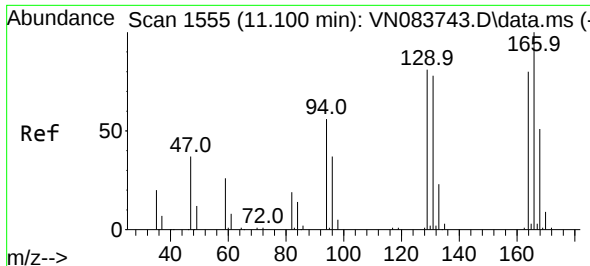
Tgt Ion: 95 Resp: 112880
Ion Ratio Lower Upper
95 100
174 71.9 0.0 139.8
176 68.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion: 117 Resp: 227483
Ion Ratio Lower Upper
117 100
82 62.2 47.4 71.0
119 32.8 26.3 39.5

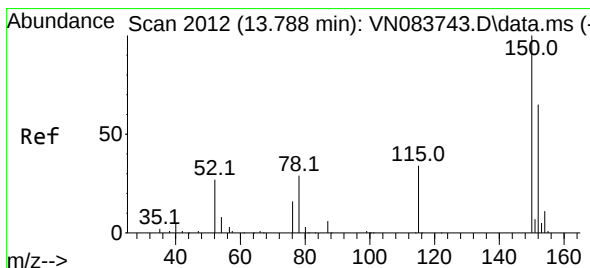
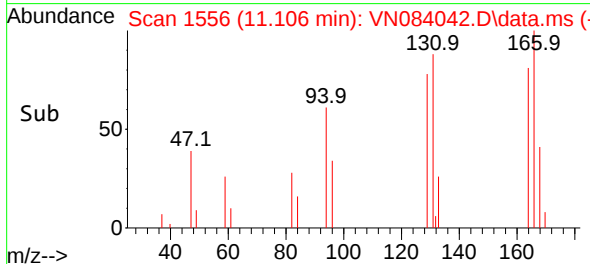
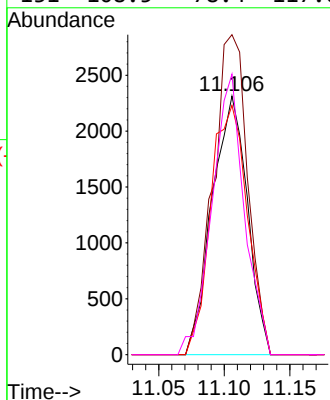
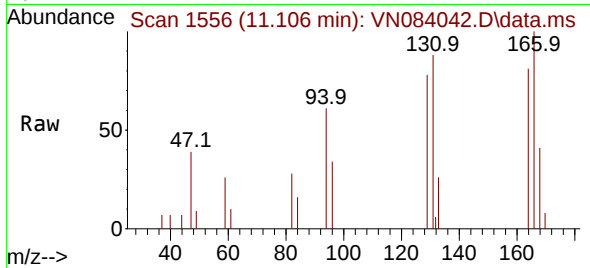




#64
Tetrachloroethene
Concen: 2.846 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

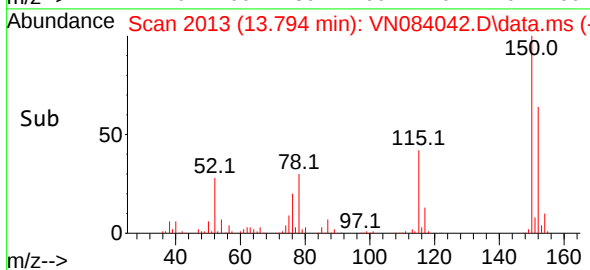
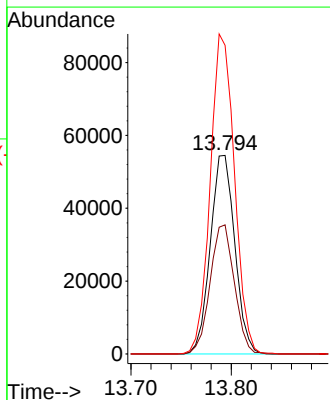
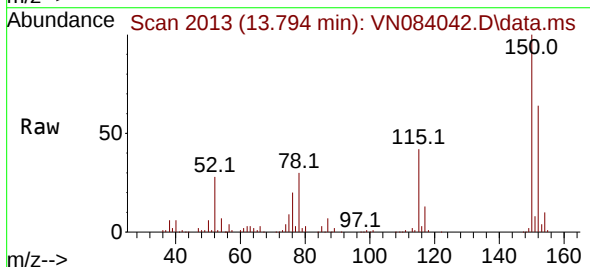
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20240912

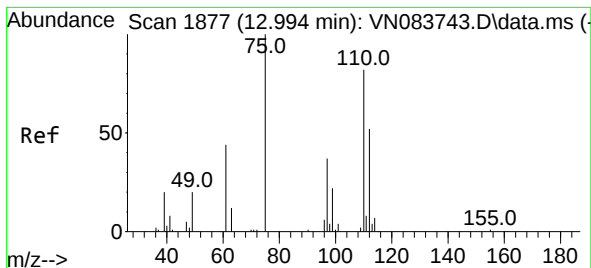
Tgt	Ion:164	Resp:	4305
Ion	Ratio	Lower	Upper
164	100		
166	123.8	103.7	155.5
129	96.4	79.9	119.9
131	108.5	78.4	117.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084042.D
Acq: 19 Sep 2024 18:28

Tgt Ion:152	Resp:	92485	
Ion	Ratio	Lower	Upper
152	100		
115	64.3	32.2	96.6
150	159.3	0.0	348.6





#76

1,2,3-Trichloropropane

Concen: 34.935 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Instrument :

MSVOA_N

ClientSampleId :

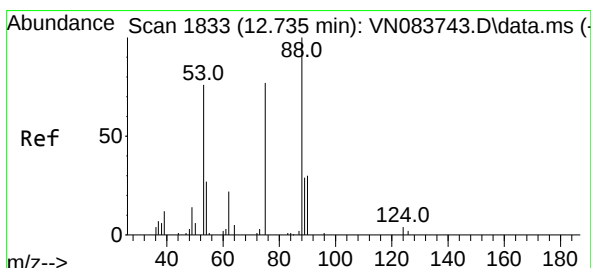
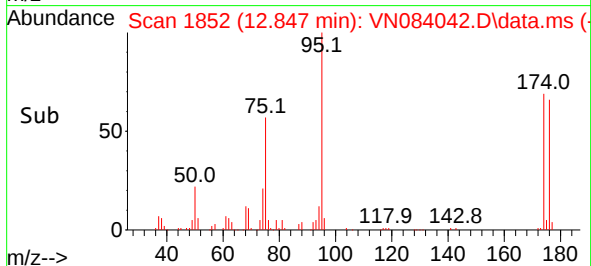
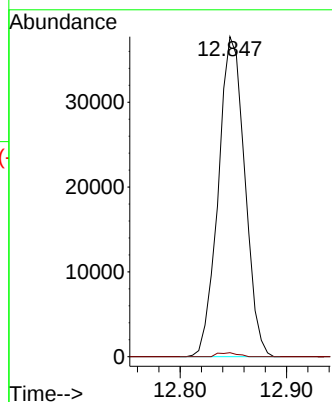
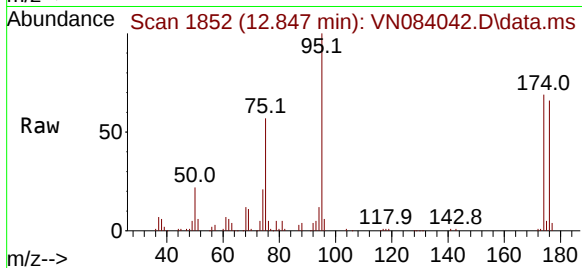
RE105D2-20240912

Tgt Ion: 75 Resp: 65194

Ion Ratio Lower Upper

75 100

77 0.9 95.2 285.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.497 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084042.D

Acq: 19 Sep 2024 18:28

Tgt Ion: 75 Resp: 65194

Ion Ratio Lower Upper

75 100

53 0.0 81.2 121.8#

89 0.0 35.7 53.5#

