

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083997.D
 Acq On : 18 Sep 2024 21:03
 Operator : JC\MD
 Sample : PB163447ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:42:11 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

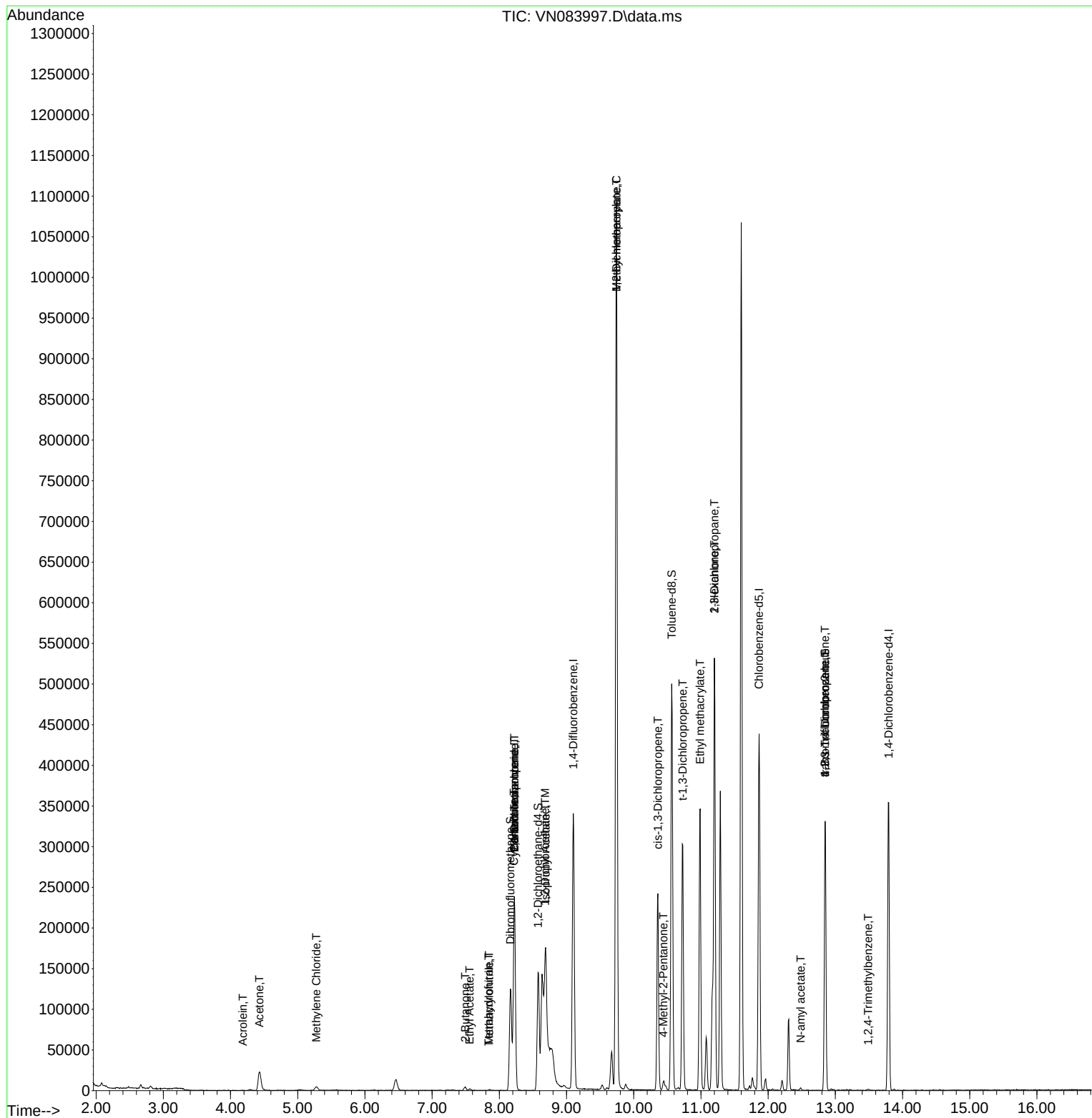
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	160769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126140	52.034	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 104.060%		
35) Dibromofluoromethane	8.165	113	87254	49.000	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 98.000%		
50) Toluene-d8	10.565	98	335752	54.541	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 109.080%		
62) 4-Bromofluorobenzene	12.847	95	111679	43.972	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 87.940%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	73	Below Cal	#	41
13) Acrolein	4.183	56	135	0.421	ug/l #	13
16) Acetone	4.430	43	46633	47.987	ug/l	96
18) Methyl Acetate	5.018	43	993	Below Cal	#	79
20) Methylene Chloride	5.277	84	3406	1.713	ug/l #	89
25) 2-Butanone	7.494	43	6751	5.286	ug/l	91
29) Tetrahydrofuran	7.841	42	614	0.813	ug/l #	40
31) Cyclohexane	8.218	56	4336	1.238	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15087	5.629	ug/l #	51
37) Ethyl Acetate	7.559	43	3170	1.303	ug/l #	74
38) Carbon Tetrachloride	8.224	117	17935	5.898	ug/l #	15
41) Methacrylonitrile	7.847	41	307	0.213	ug/l #	34
42) 1,2-Dichloroethane	8.683	62	954	0.316	ug/l #	77
43) Isopropyl Acetate	8.688	43	174045	39.479	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	1330	0.682	ug/l #	42
48) Methyl methacrylate	9.741	41	102223	48.873	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	11569	4.821	ug/l #	75
53) t-1,3-Dichloropropene	10.730	75	759	0.253	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	40377	12.831	ug/l #	65
56) Ethyl methacrylate	10.988	69	1108	0.391	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5056	1.597	ug/l #	42
59) 2-Hexanone	11.200	43	70187	39.537	ug/l #	52
74) N-amyl acetate	12.482	43	1675	0.549	ug/l #	43
76) 1,2,3-Trichloropropane	12.847	75	64004	34.304	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	64004	89.845	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.488	105	1331	0.220	ug/l #	42

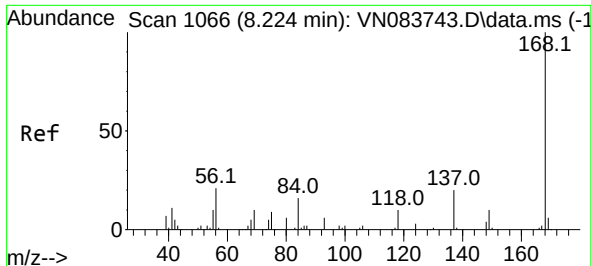
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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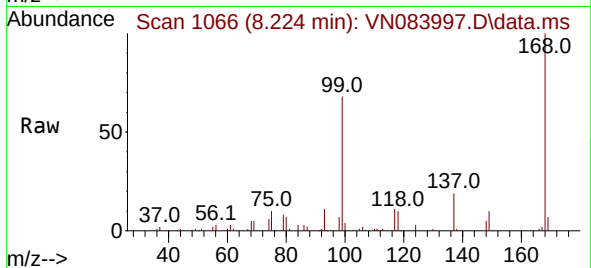
Quant Time: Sep 19 01:42:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



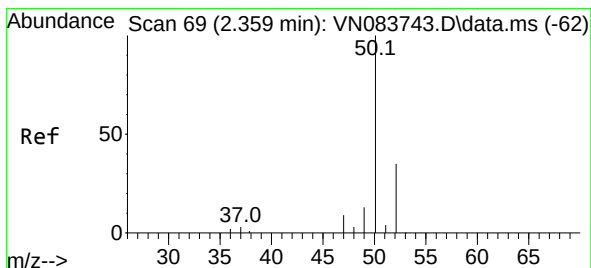
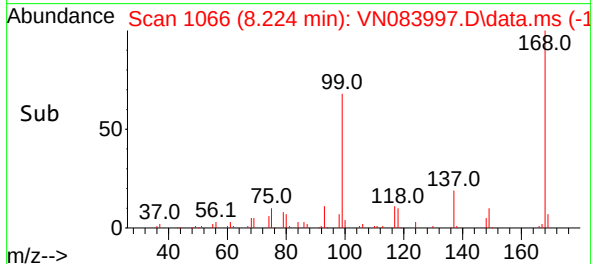
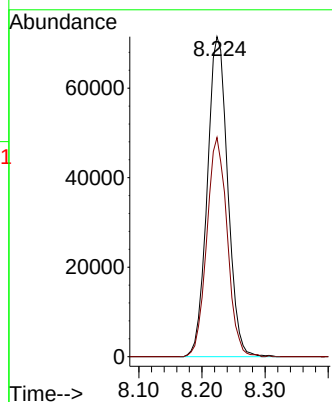


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

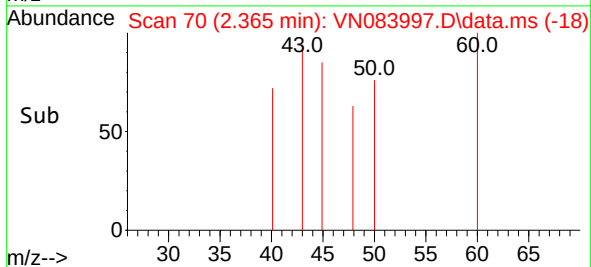
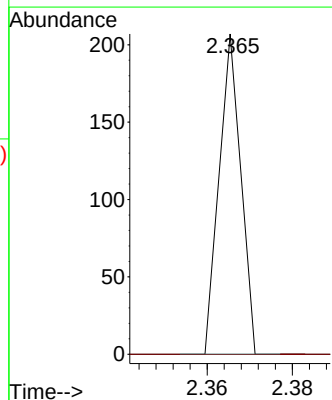
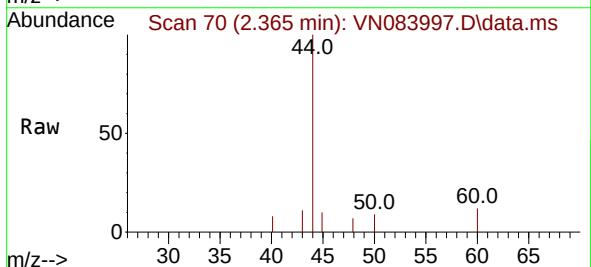


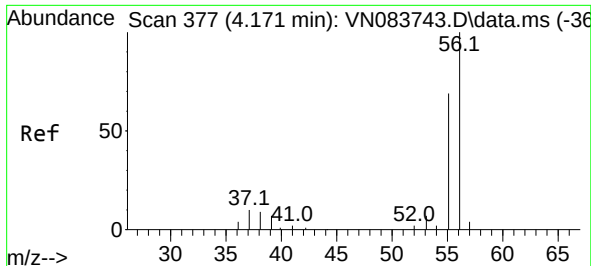
Tgt Ion:168 Resp: 160769
Ion Ratio Lower Upper
168 100
99 68.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 50 Resp: 73
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#13

Acrolein

Concen: 0.421 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

Instrument :

MSVOA_N

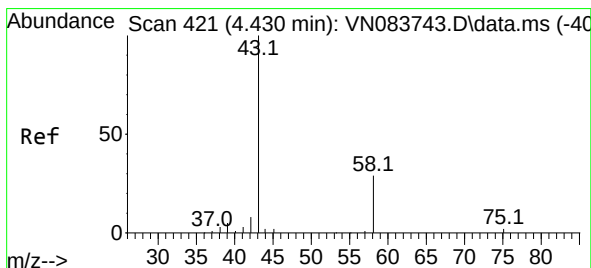
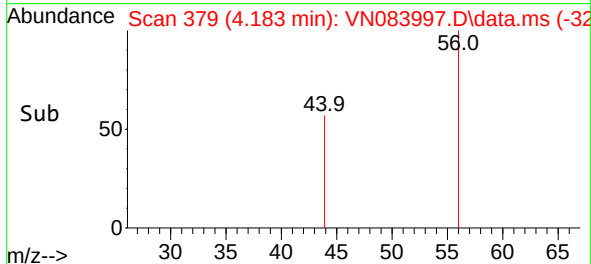
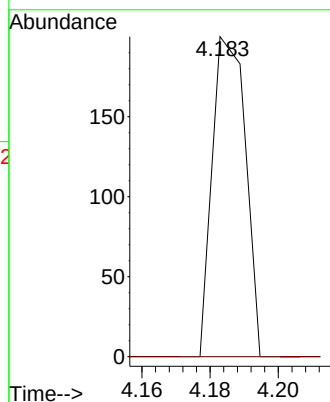
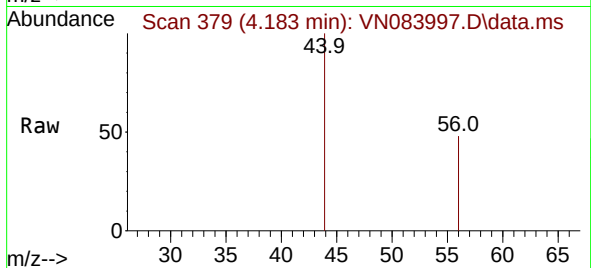
ClientSampleId :

Tgt Ion: 56 Resp: 135

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 47.987 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.000 min

Lab File: VN083997.D

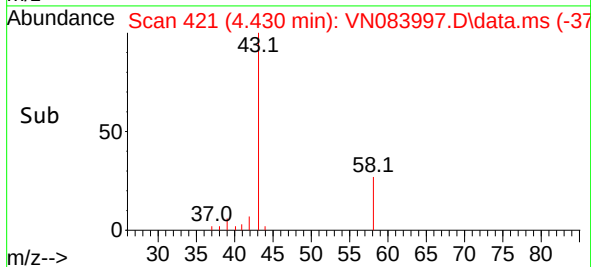
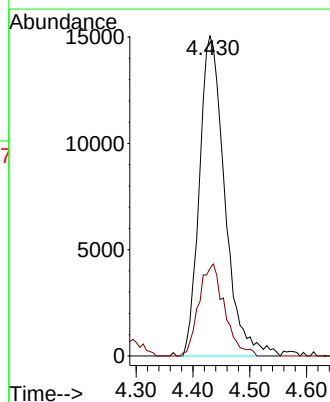
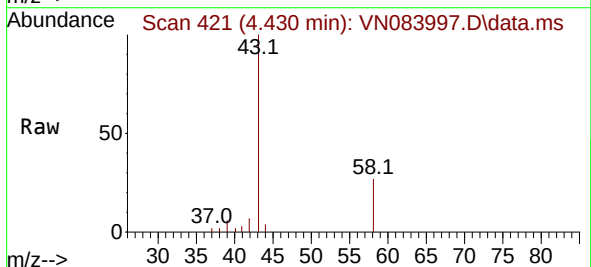
Acq: 18 Sep 2024 21:03

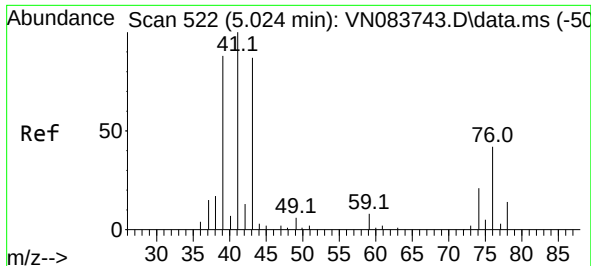
Tgt Ion: 43 Resp: 46633

Ion Ratio Lower Upper

43 100

58 27.4 23.7 35.5





#18

Methyl Acetate

Concen: Below Cal

RT: 5.018 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

Instrument :

MSVOA_N

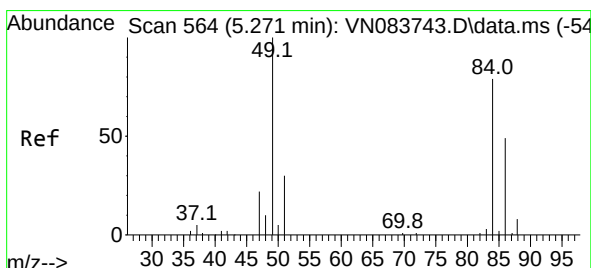
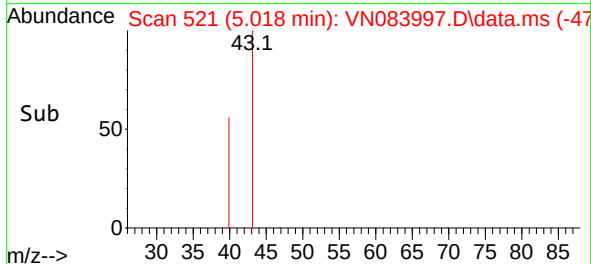
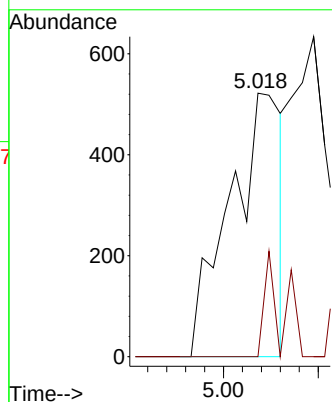
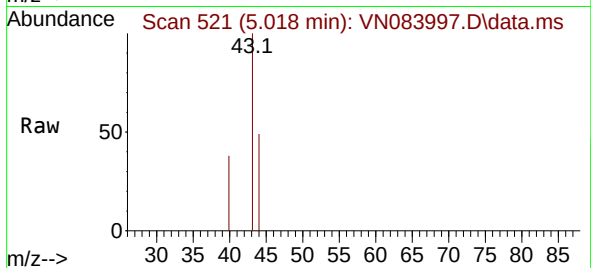
ClientSampleId :

Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

74 13.5 19.0 28.4#



#20

Methylene Chloride

Concen: 1.713 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

Tgt Ion: 84 Resp: 3406

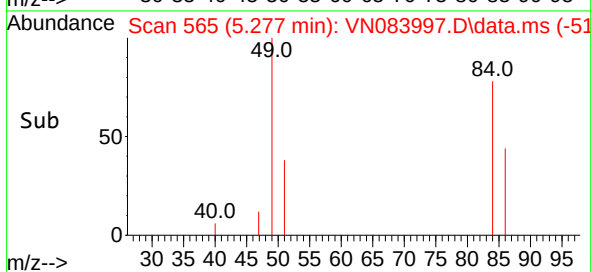
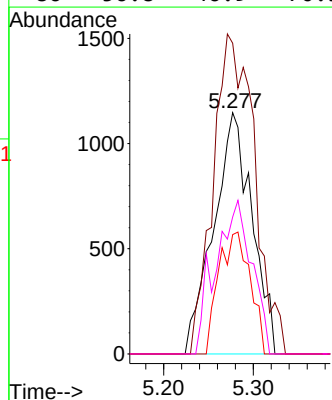
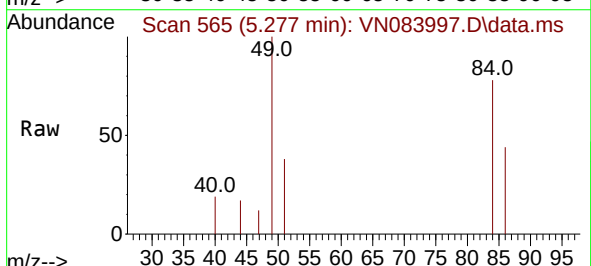
Ion Ratio Lower Upper

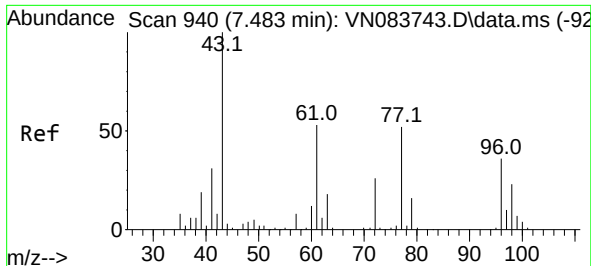
84 100

49 128.8 93.4 140.0

51 49.4 29.2 43.8#

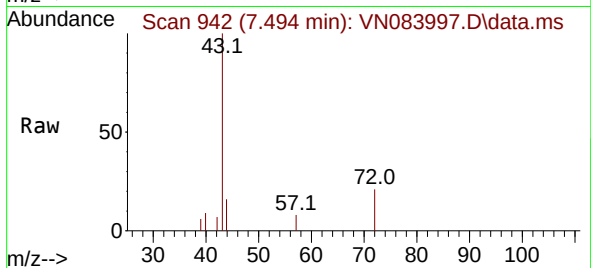
86 56.8 46.9 70.3



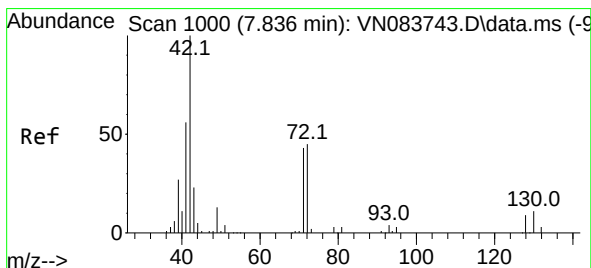
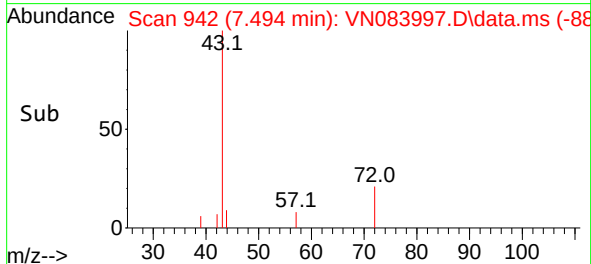
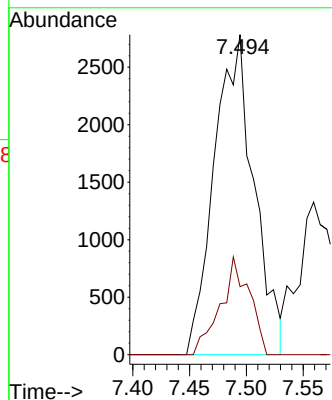


#25
2-Butanone
Concen: 5.286 ug/l
RT: 7.494 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

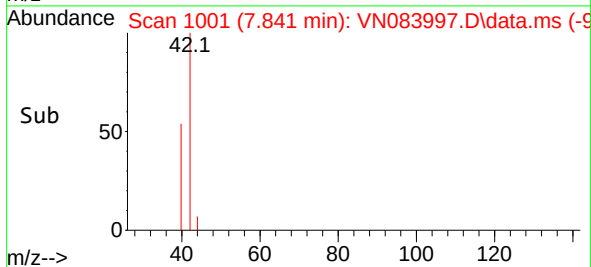
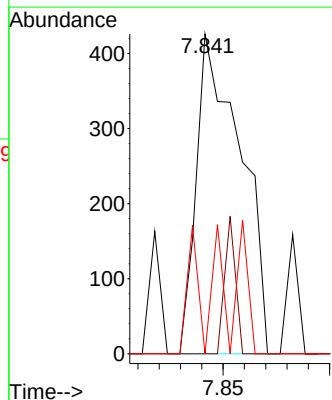
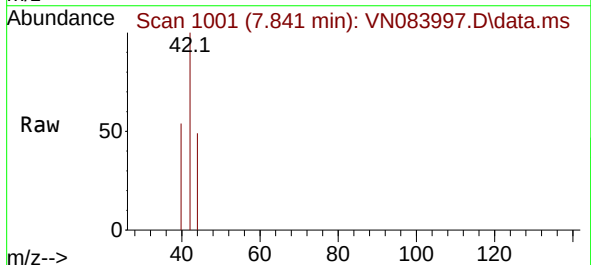


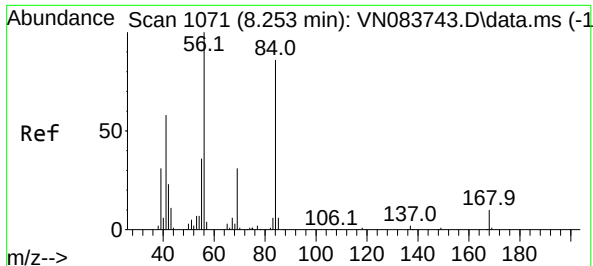
Tgt Ion: 43 Resp: 6751
Ion Ratio Lower Upper
43 100
72 21.3 20.8 31.2



#29
Tetrahydrofuran
Concen: 0.813 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

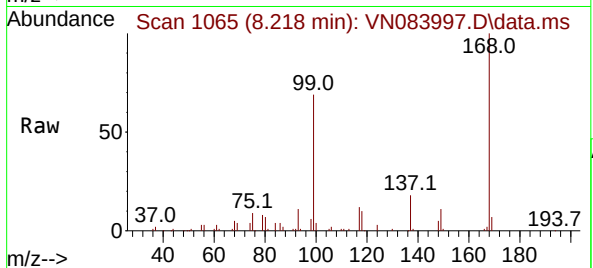
Tgt Ion: 42 Resp: 614
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 9.8 33.9 50.9#



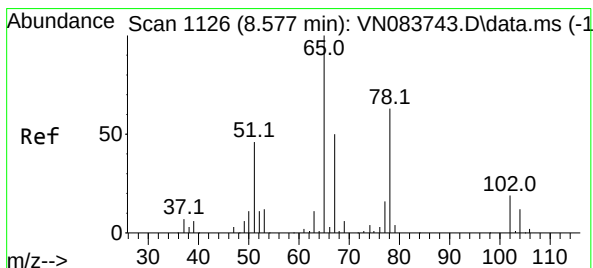
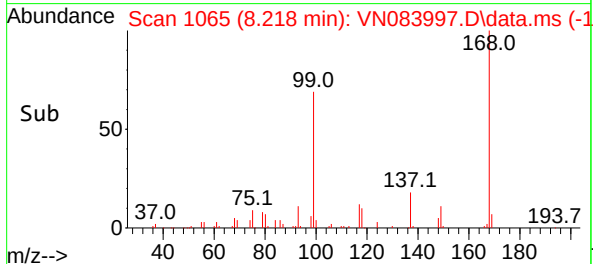
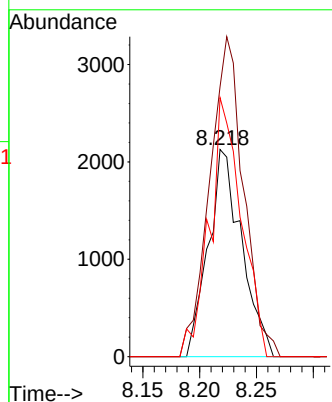


#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

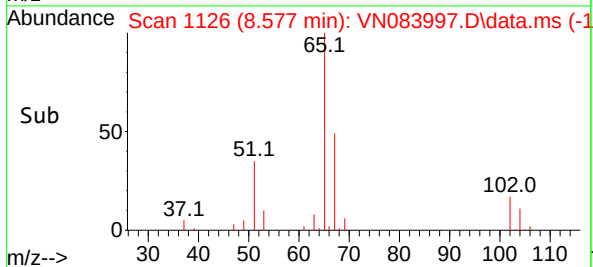
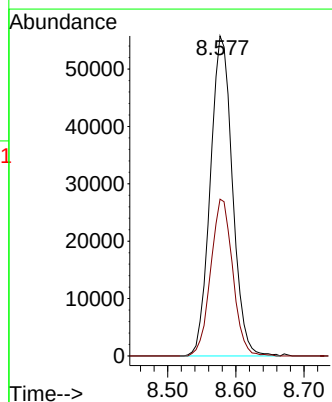
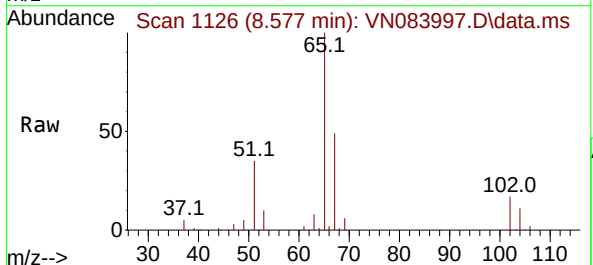


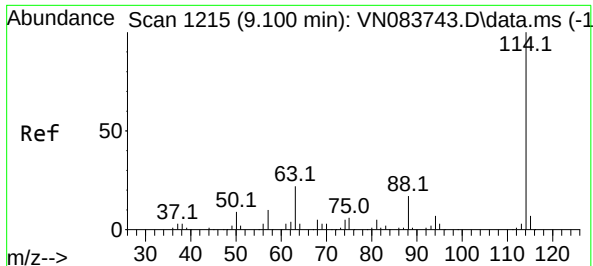
Tgt Ion: 56 Resp: 4336
Ion Ratio Lower Upper
56 100
69 130.3 26.9 40.3#
84 125.0 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 52.034 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 65 Resp: 126140
Ion Ratio Lower Upper
65 100
67 48.7 0.0 100.8

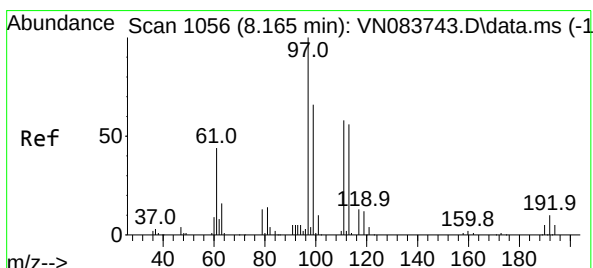
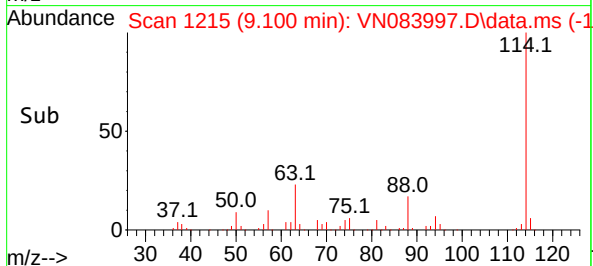
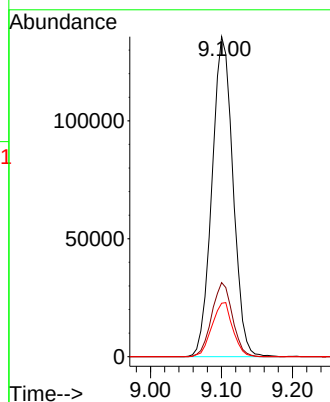
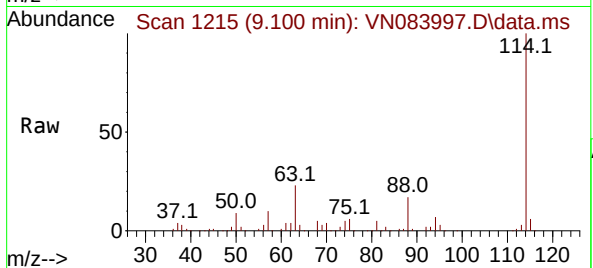




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

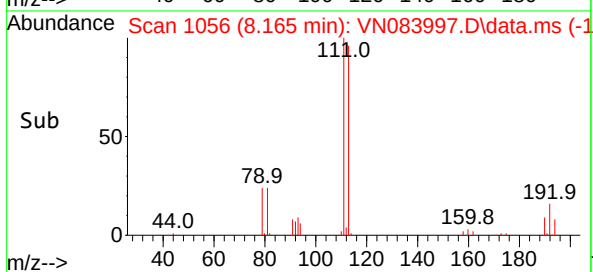
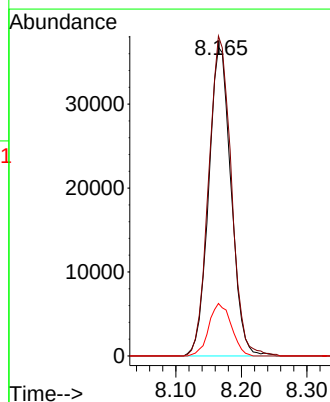
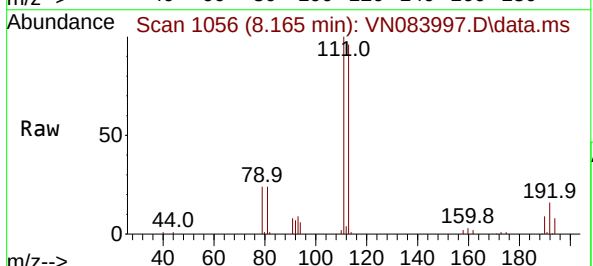
Instrument :
MSVOA_N
ClientSampleId :

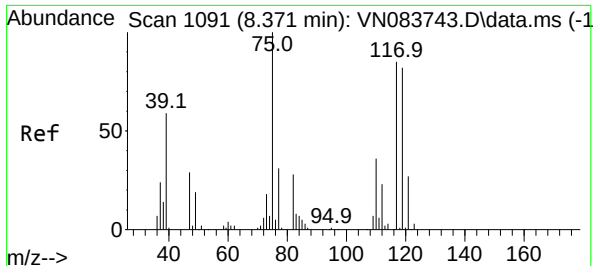
Tgt Ion:114 Resp: 278151
Ion Ratio Lower Upper
114 100
63 23.2 0.0 43.4
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.000 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion:113 Resp: 87254
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 17.1 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.629 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

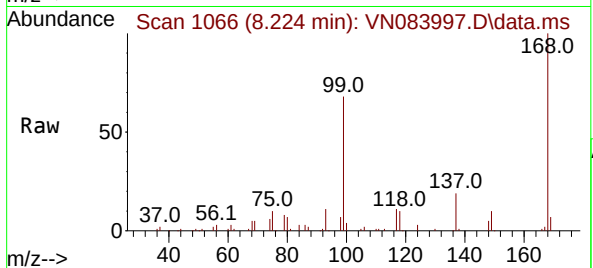
Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

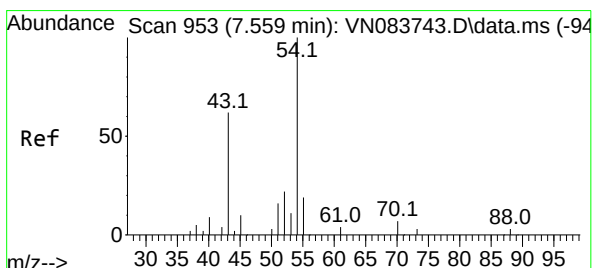
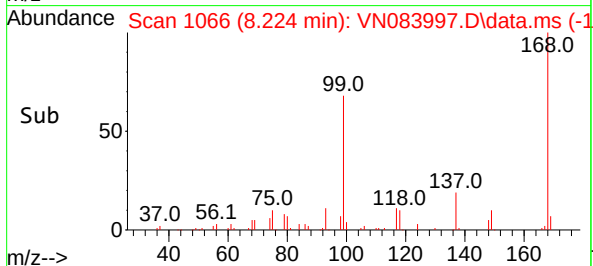
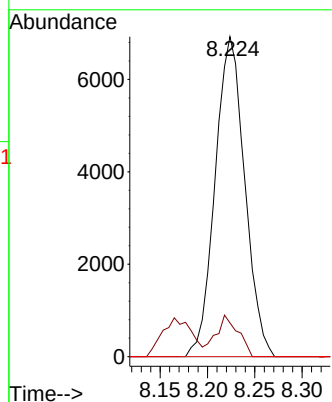
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15087
Ion Ratio	Lower	Upper	
75	100		
110	9.8	16.7	50.1#
77	0.0	25.2	37.8#



#37

Ethyl Acetate

Concen: 1.303 ug/l

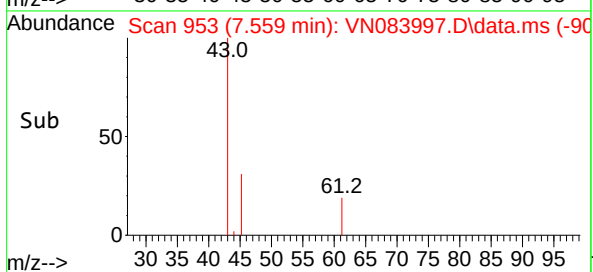
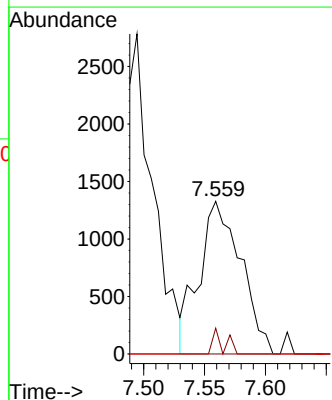
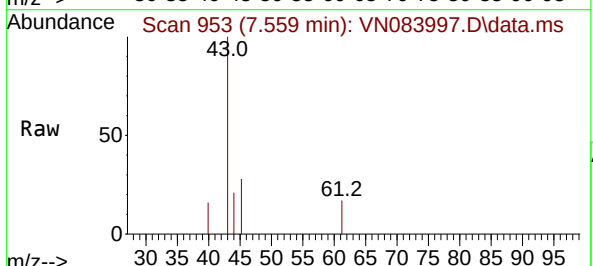
RT: 7.559 min Scan# 953

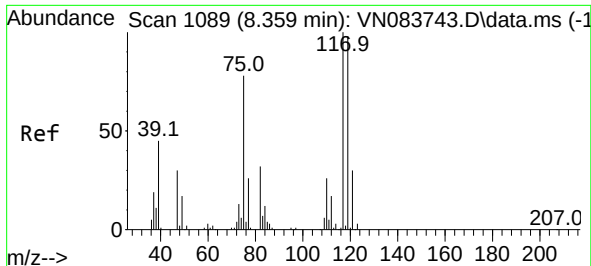
Delta R.T. 0.000 min

Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

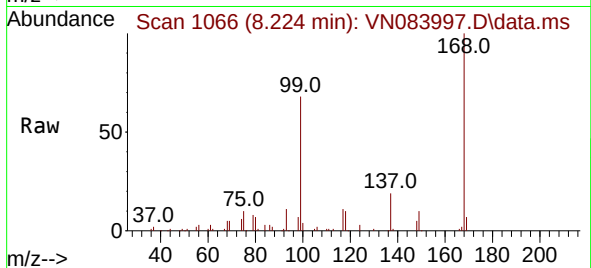
Tgt Ion:	43	Resp:	3170
Ion Ratio	Lower	Upper	
43	100		
61	4.4	11.1	16.7#
70	0.0	8.8	13.2#



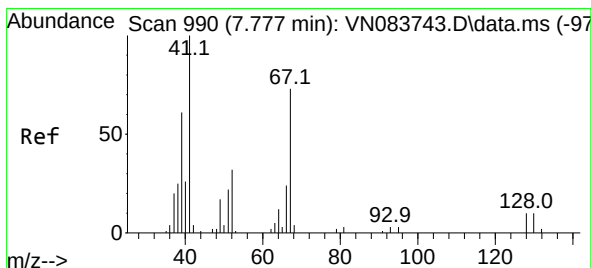
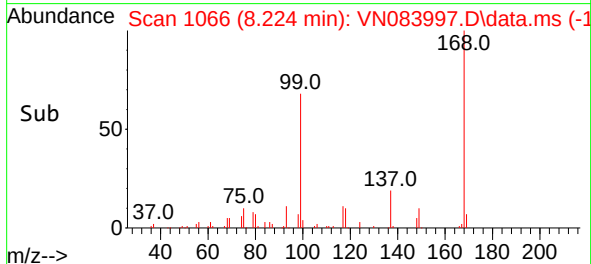
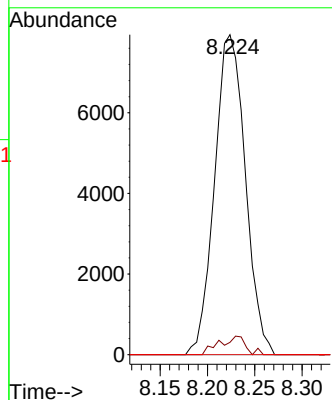


#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

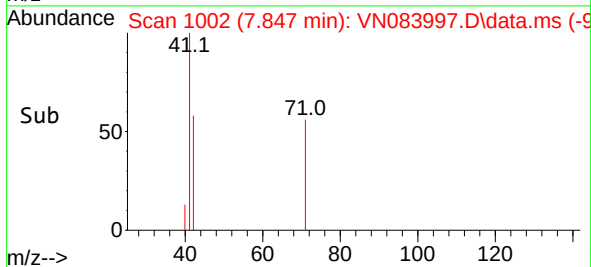
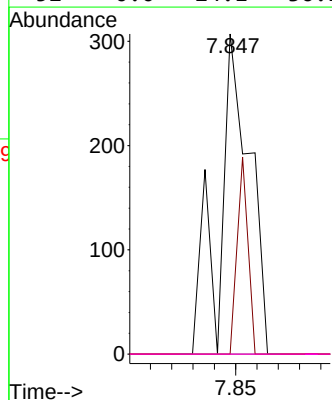
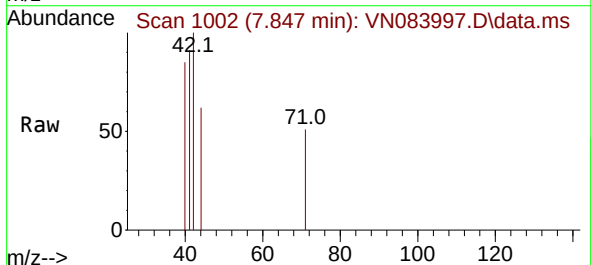


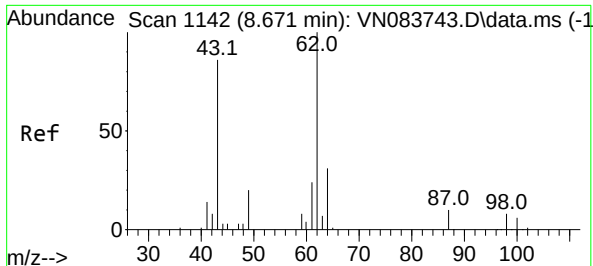
Tgt Ion:117 Resp: 17935
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.1 36.1#



#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 41 Resp: 307
Ion Ratio Lower Upper
41 100
39 21.8 45.4 68.2#
67 0.0 55.9 83.9#
52 0.0 24.1 36.1#

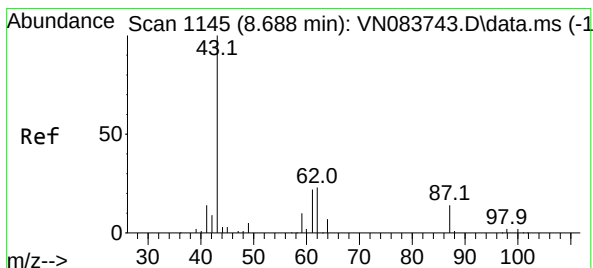
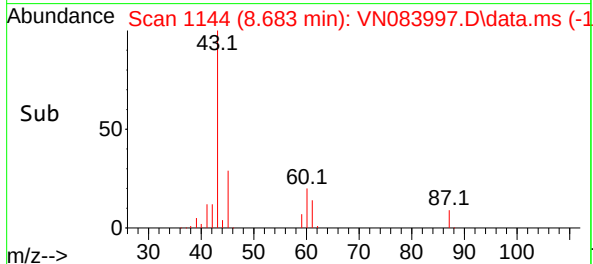
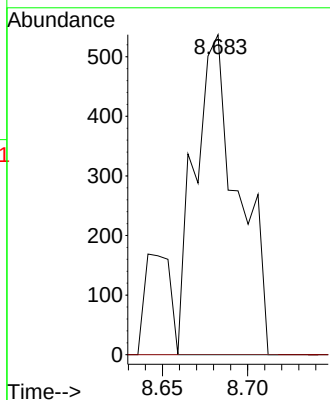
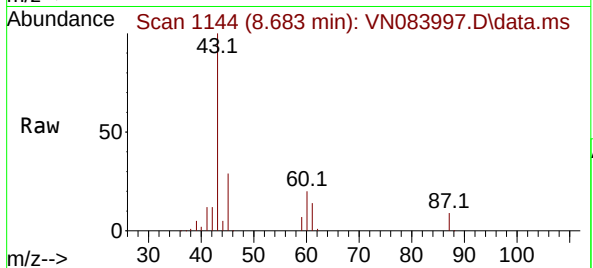




#42
1,2-Dichloroethane
Concen: 0.316 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

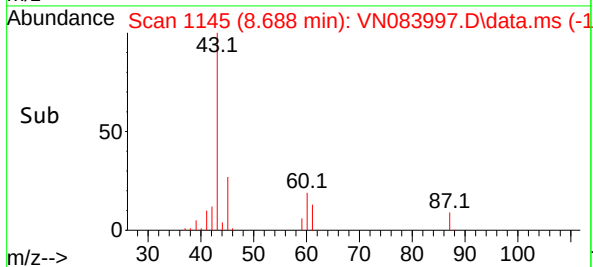
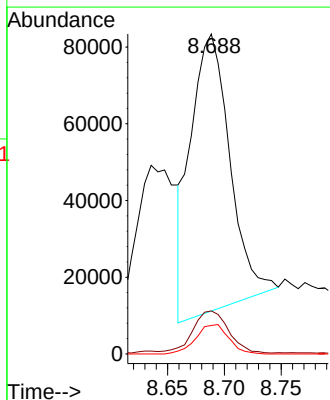
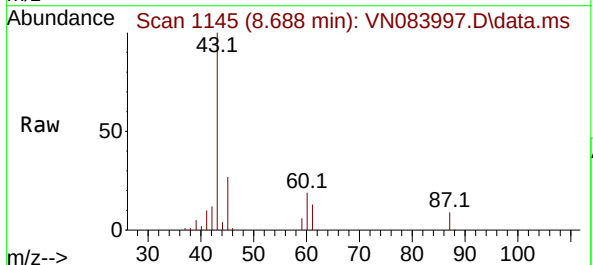
Instrument :
MSVOA_N
ClientSampleId :

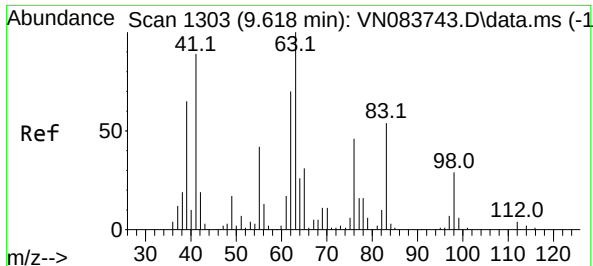
Tgt Ion: 62 Resp: 954
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.6



#43
Isopropyl Acetate
Concen: 39.479 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 43 Resp: 174045
Ion Ratio Lower Upper
43 100
61 14.4 19.4 29.0#
87 8.9 9.8 14.6#

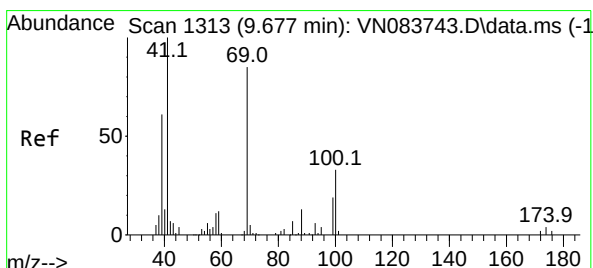
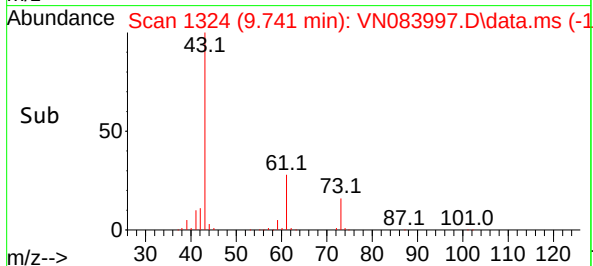
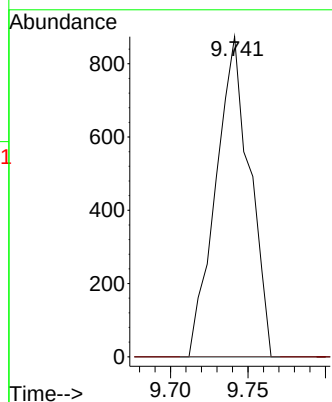
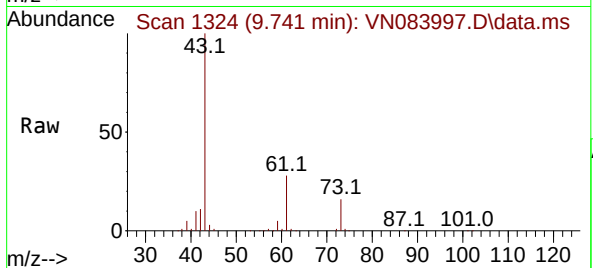




#45
1,2-Dichloropropane
Concen: 0.682 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

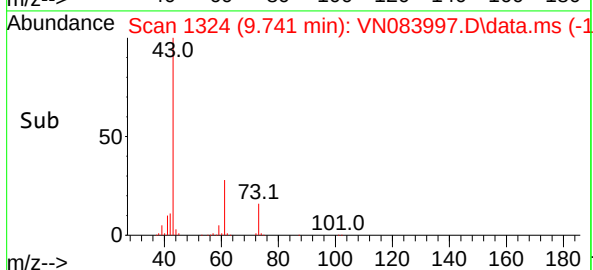
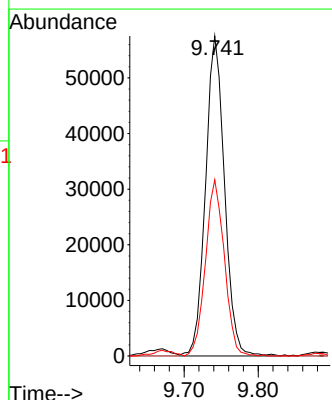
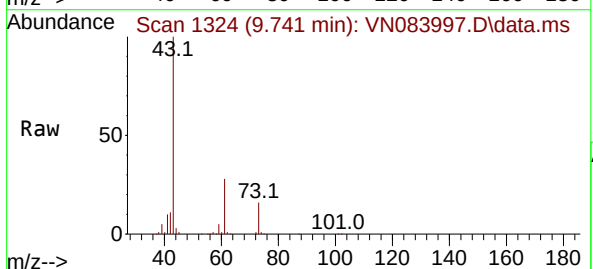
Instrument :
MSVOA_N
ClientSampleId :

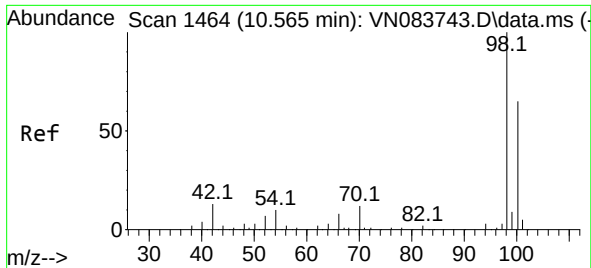
Tgt Ion: 63 Resp: 1330
Ion Ratio Lower Upper
63 100
65 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 48.873 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.065 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 41 Resp: 102223
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 54.9 48.9 73.3

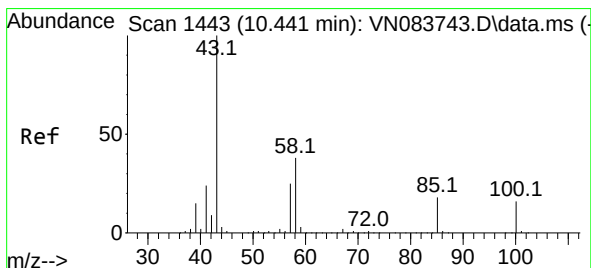
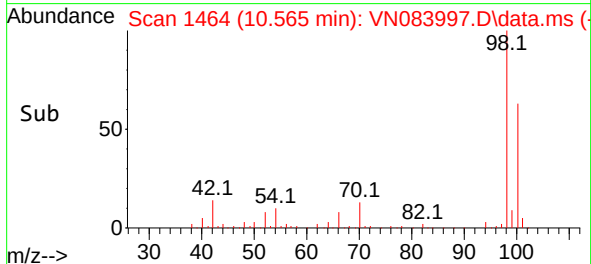
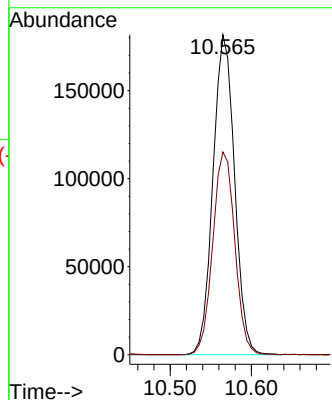
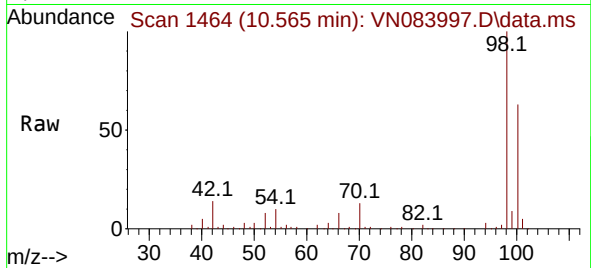




#50
Toluene-d8
Concen: 54.541 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

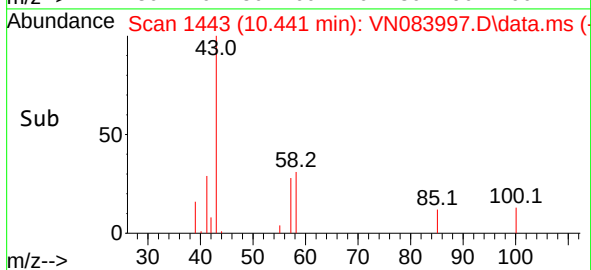
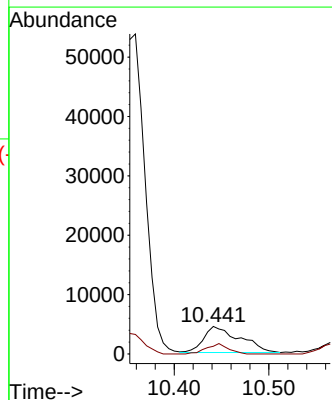
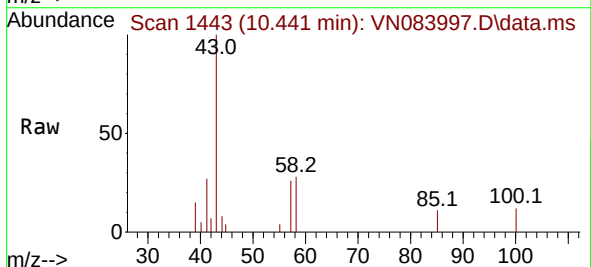
Instrument :
MSVOA_N
ClientSampleId :

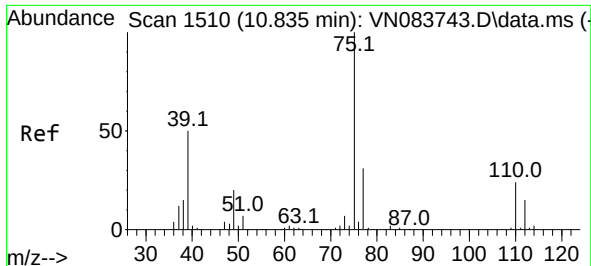
Tgt Ion: 98 Resp: 335752
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.821 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 43 Resp: 11569
Ion Ratio Lower Upper
43 100
58 24.1 31.6 47.4#

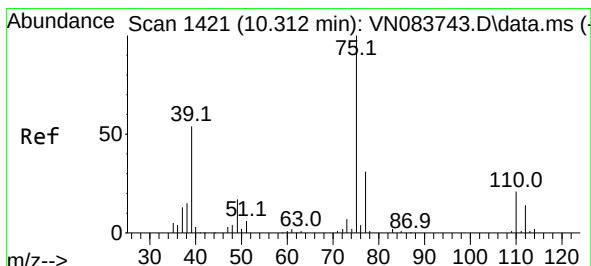
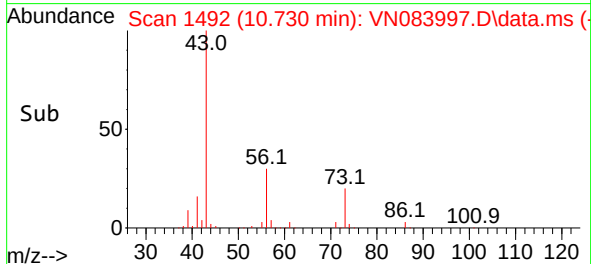
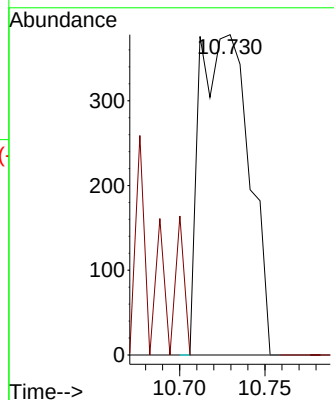
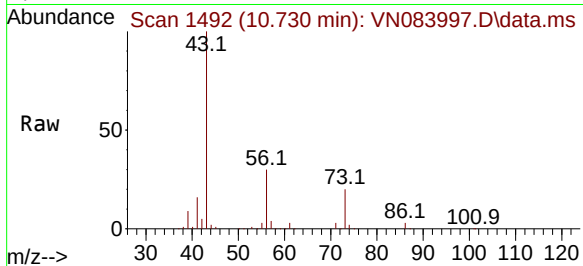




#53
t-1,3-Dichloropropene
Concen: 0.253 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

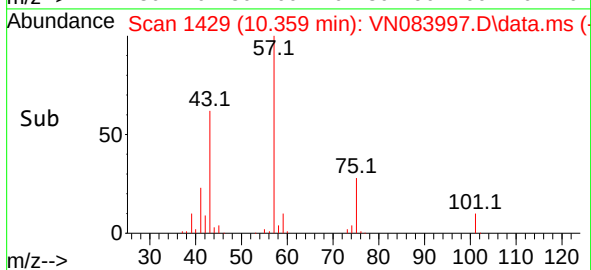
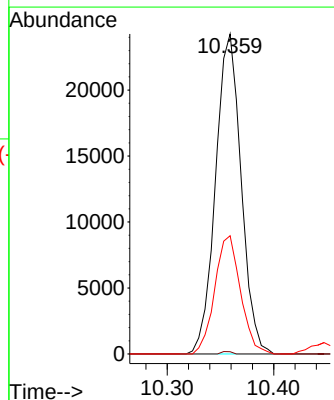
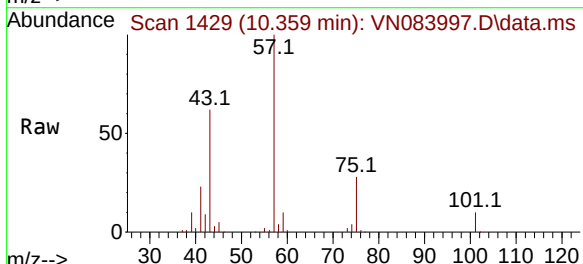
Instrument :
MSVOA_N
ClientSampleId :

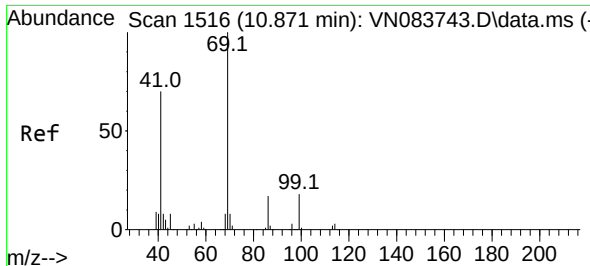
Tgt Ion: 75 Resp: 759
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.6#



#54
cis-1,3-Dichloropropene
Concen: 12.831 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

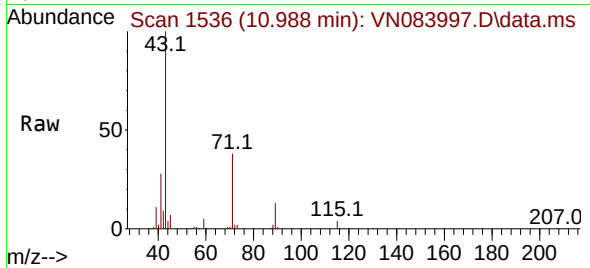
Tgt Ion: 75 Resp: 40377
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.6#
39 36.9 42.6 64.0#



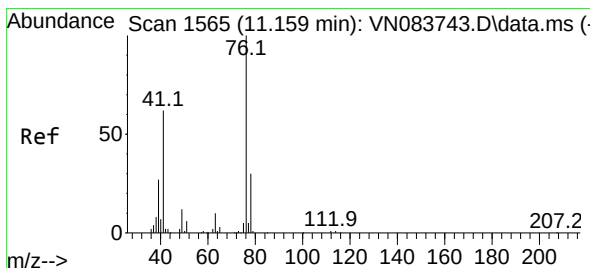
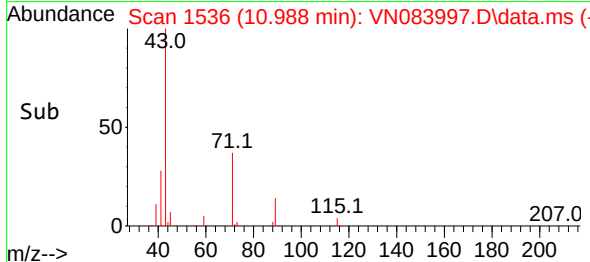
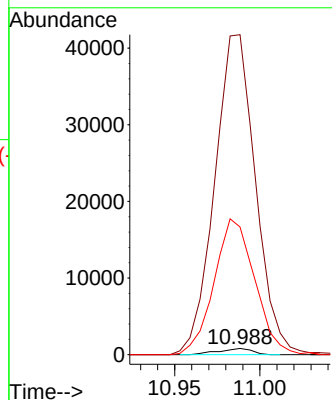


#56
Ethyl methacrylate
Concen: 0.391 ug/l
RT: 10.988 min Scan# 1108
Delta R.T. 0.118 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

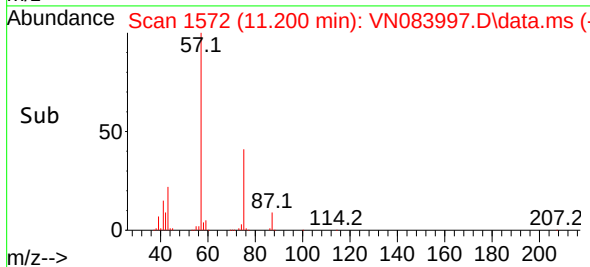
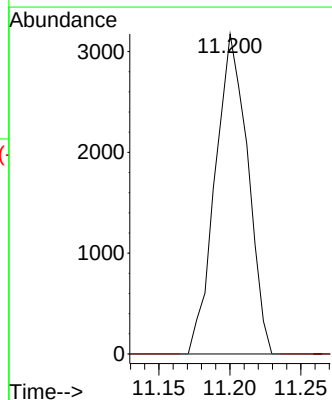
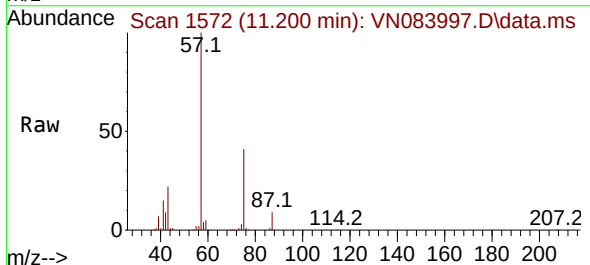


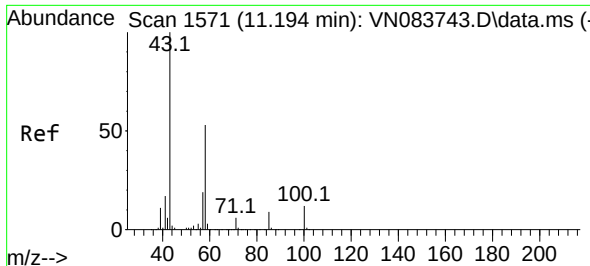
Tgt Ion: 69 Resp: 1108
Ion Ratio Lower Upper
69 100
41 6317.5 53.9 80.9#
39 2661.7 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.597 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 76 Resp: 5056
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

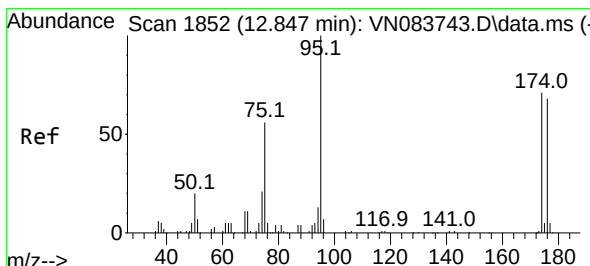
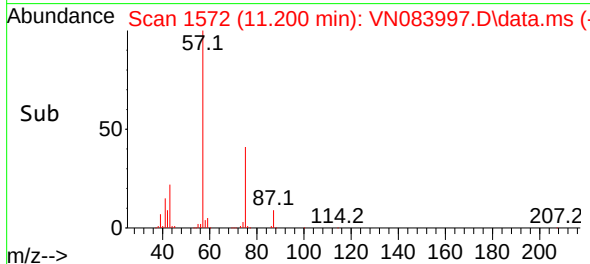
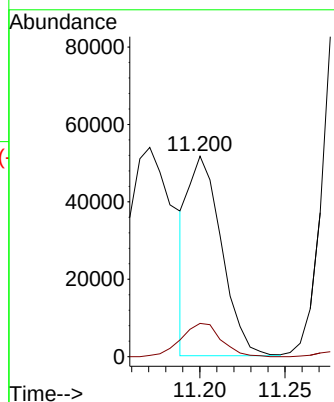
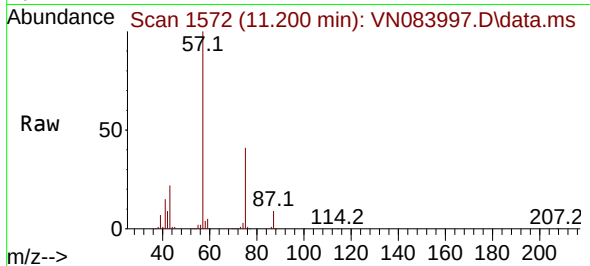




#59
2-Hexanone
Concen: 39.537 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

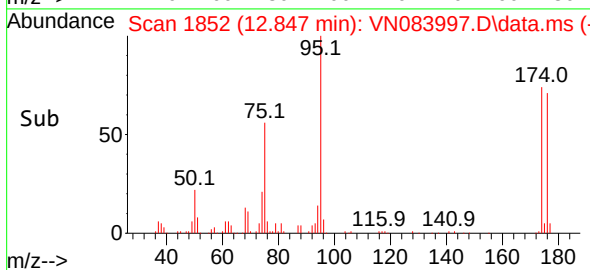
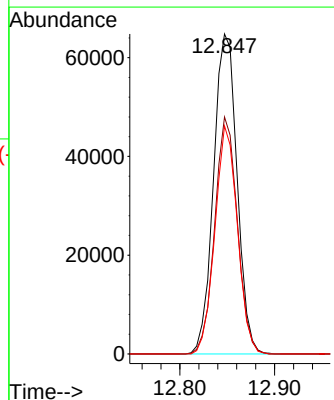
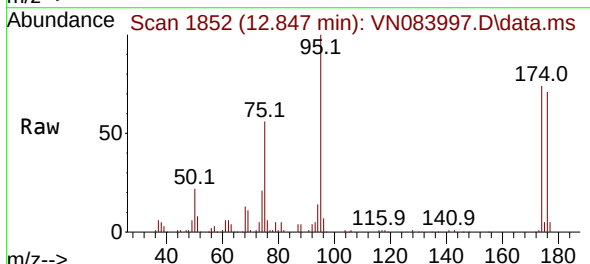
Instrument :
MSVOA_N
ClientSampleId :

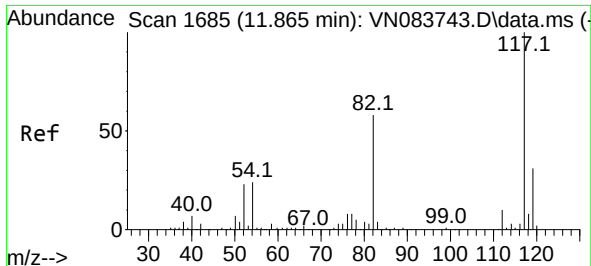
Tgt Ion: 43 Resp: 70187
Ion Ratio Lower Upper
43 100
58 20.1 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 43.972 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 95 Resp: 111679
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 68.1 0.0 131.4

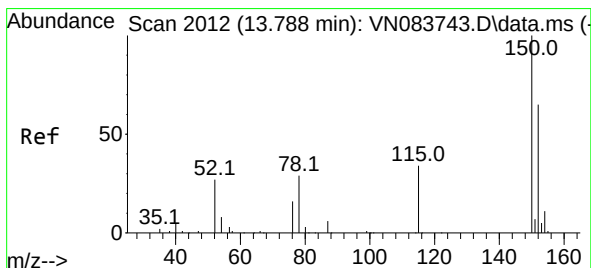
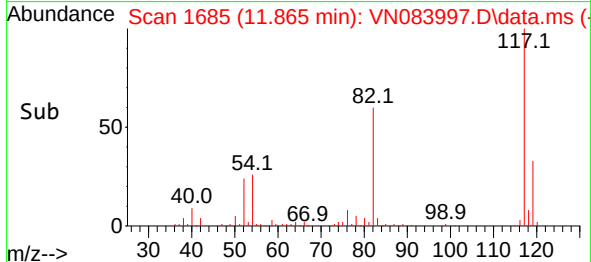
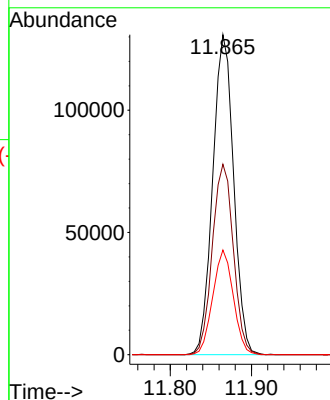
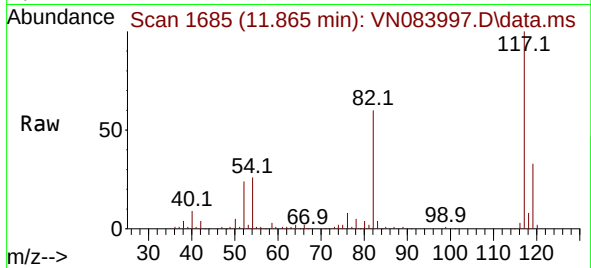




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

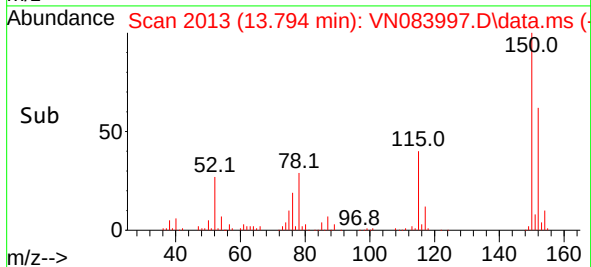
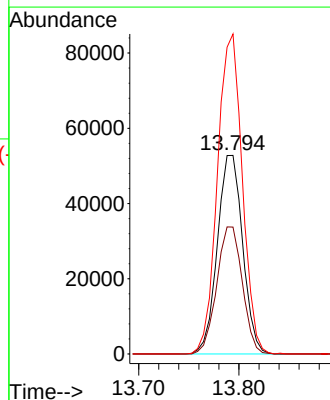
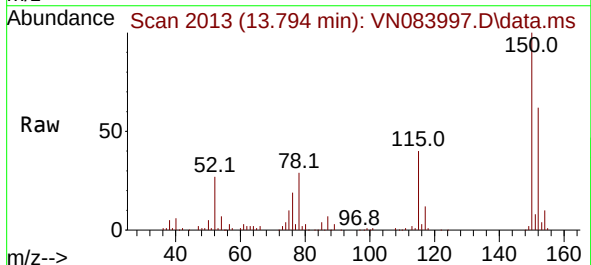
Instrument :
MSVOA_N
ClientSampleId :

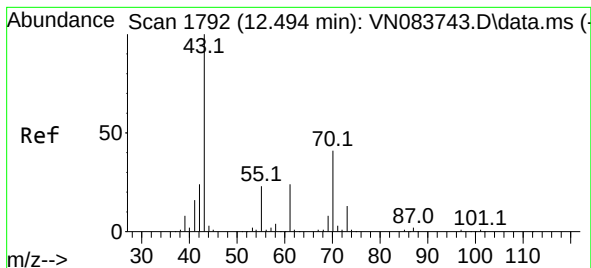
Tgt Ion:117 Resp: 233824
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.0
119 32.7 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion:152 Resp: 92466
Ion Ratio Lower Upper
152 100
115 64.5 32.2 96.6
150 158.1 0.0 348.6





#74

N-amy1 acetate

Concen: 0.549 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

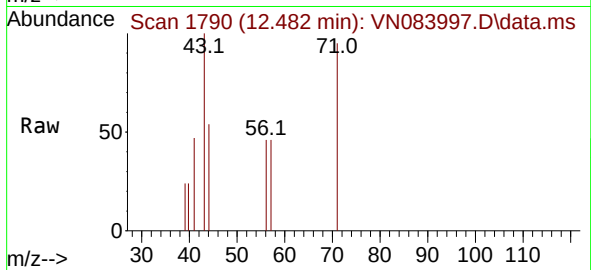
Lab File: VN083997.D

Acq: 18 Sep 2024 21:03

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1675

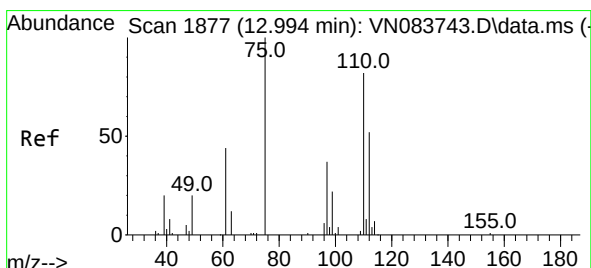
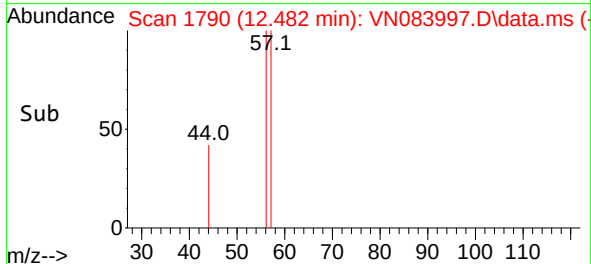
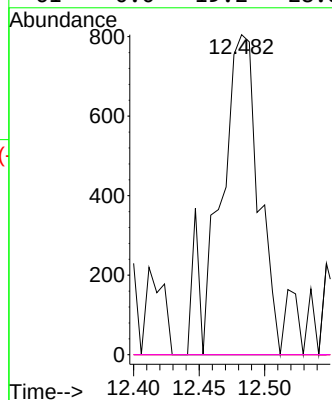
Ion Ratio Lower Upper

43 100

70 0.0 34.5 51.7#

55 0.0 18.6 28.0#

61 0.0 19.2 28.8#



#76

1,2,3-Trichloropropane

Concen: 34.304 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083997.D

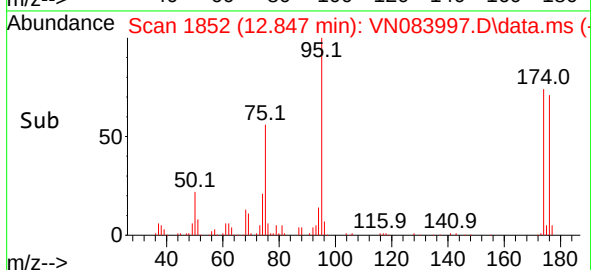
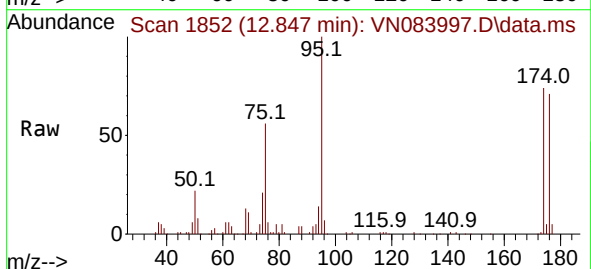
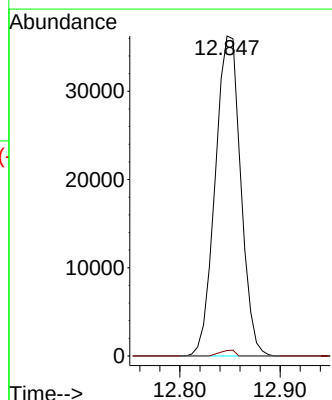
Acq: 18 Sep 2024 21:03

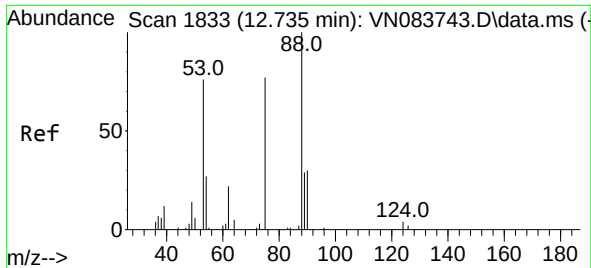
Tgt Ion: 75 Resp: 64004

Ion Ratio Lower Upper

75 100

77 1.1 95.2 285.6#

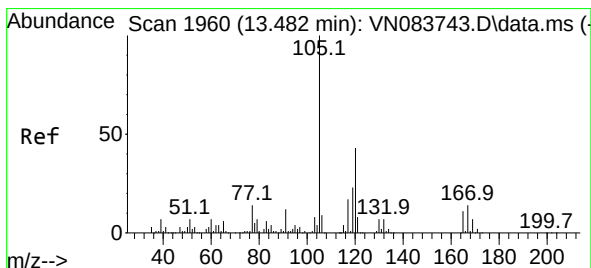
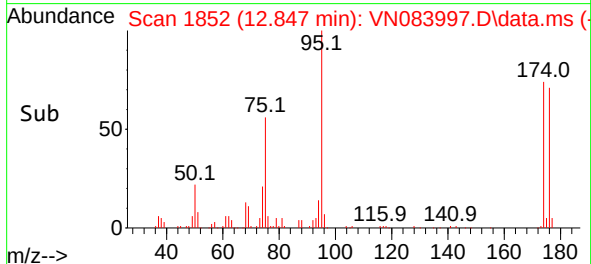
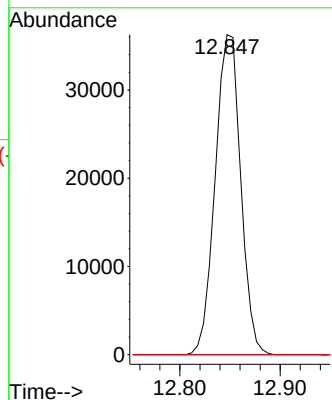
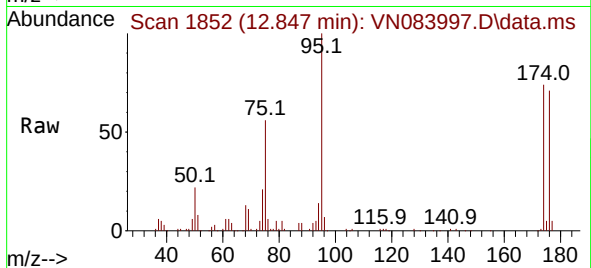




#81
trans-1,4-Dichloro-2-butene
Concen: 89.845 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 64004
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.220 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN083997.D
Acq: 18 Sep 2024 21:03

Tgt Ion: 105 Resp: 1331
Ion Ratio Lower Upper
105 100
120 6.2 21.8 65.4#

