

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN083995.D
 Acq On : 18 Sep 2024 20:15
 Operator : JC\MD
 Sample : PB163447ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:41:09 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)

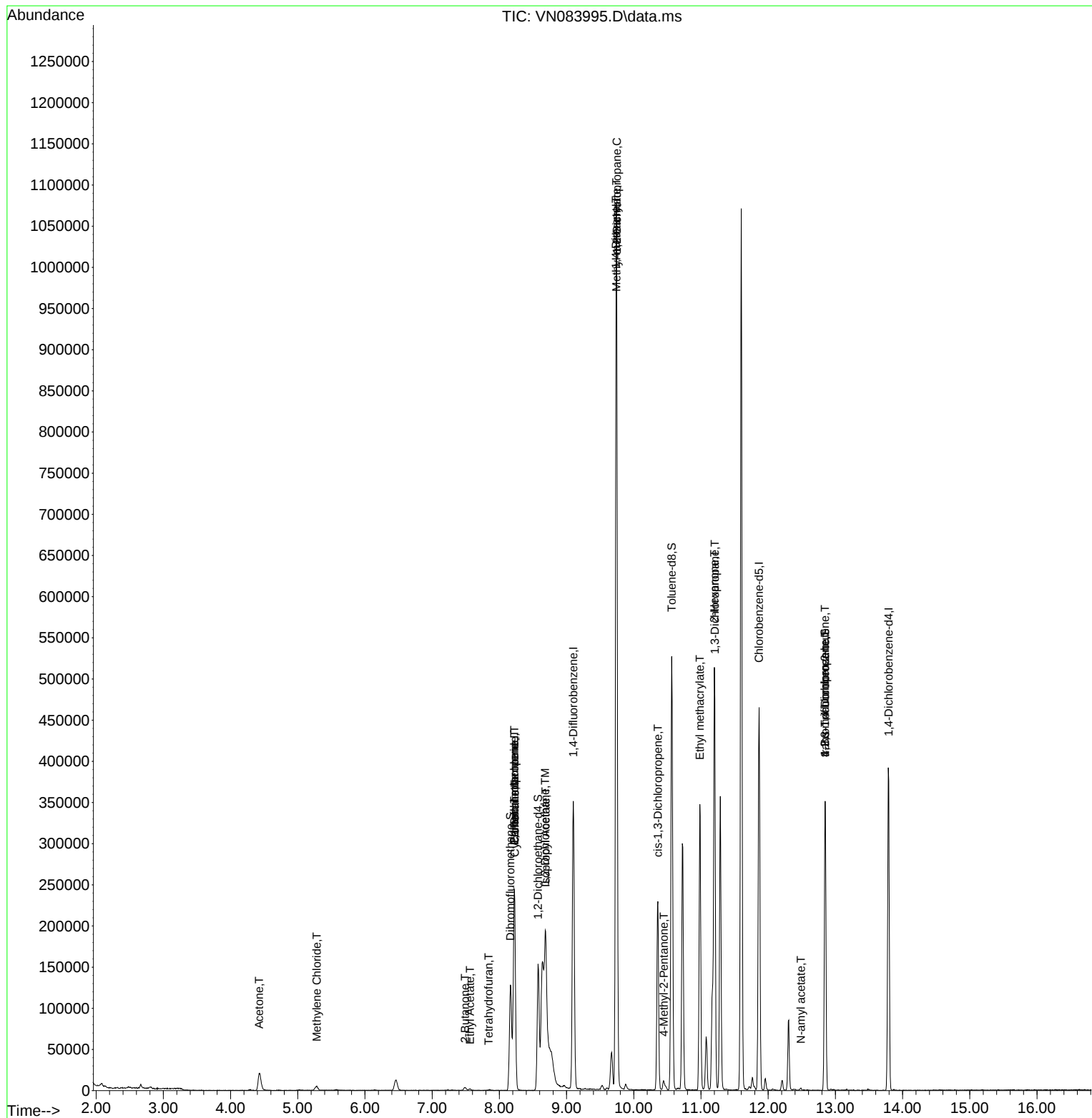
Internal Standards						
1) Pentafluorobenzene	8.224	168	168007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97622	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129673	51.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.380%			
35) Dibromofluoromethane	8.165	113	90502	48.883	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.760%			
50) Toluene-d8	10.565	98	344882	53.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.847	95	119663	45.316	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	69	Below Cal	#	41
16) Acetone	4.424	43	42596	41.944	ug/l	98
18) Methyl Acetate	5.036	43	1665	Below Cal	#	78
20) Methylene Chloride	5.283	84	3786	1.822	ug/l	# 82
25) 2-Butanone	7.489	43	6767	5.070	ug/l	# 85
29) Tetrahydrofuran	7.841	42	475	0.602	ug/l	# 74
31) Cyclohexane	8.230	56	4687	1.280	ug/l	# 19
36) 1,1-Dichloropropene	8.224	75	15499	5.562	ug/l	# 49
37) Ethyl Acetate	7.565	43	3020	1.194	ug/l	# 78
38) Carbon Tetrachloride	8.224	117	19336	6.116	ug/l	# 16
42) 1,2-Dichloroethane	8.683	62	991	0.316	ug/l	# 77
43) Isopropyl Acetate	8.688	43	314997	68.722	ug/l	# 73
45) 1,2-Dichloropropane	9.747	63	1307	0.645	ug/l	# 42
48) Methyl methacrylate	9.741	41	101747	46.787	ug/l	# 45
49) 1,4-Dioxane	9.735	88	77	2.152	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	11174	4.478	ug/l	# 77
54) cis-1,3-Dichloropropene	10.359	75	40343	12.330	ug/l	# 65
56) Ethyl methacrylate	10.982	69	982	0.333	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	5151	1.565	ug/l	# 42
59) 2-Hexanone	11.200	43	67499	36.571	ug/l	# 53
74) N-amyl acetate	12.488	43	1384	0.429	ug/l	# 43
76) 1,2,3-Trichloropropane	12.847	75	67829	34.434	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	67829	90.186	ug/l	# 9

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

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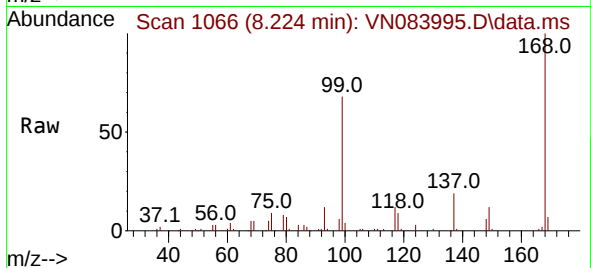
Quant Time: Sep 19 01:41:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



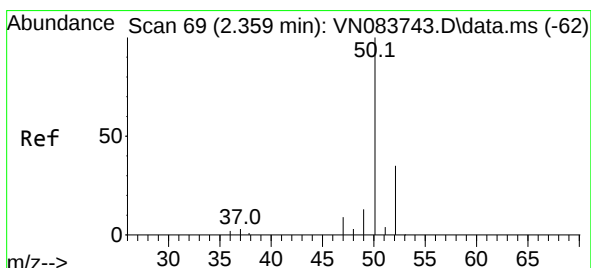
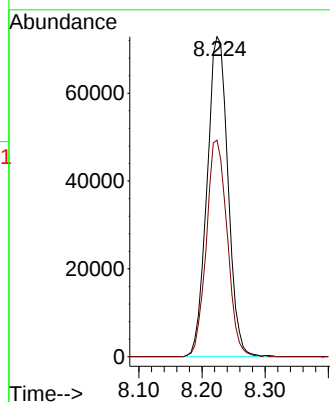
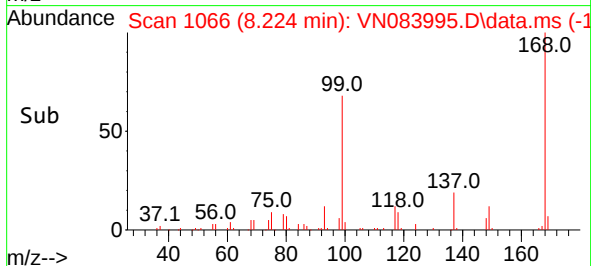


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :

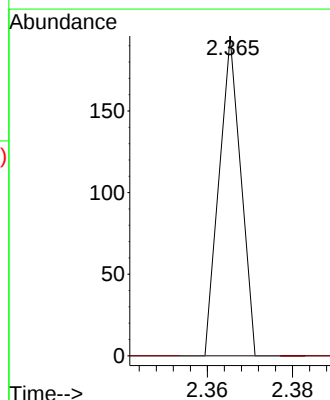
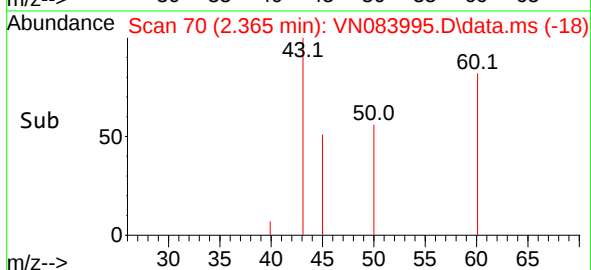
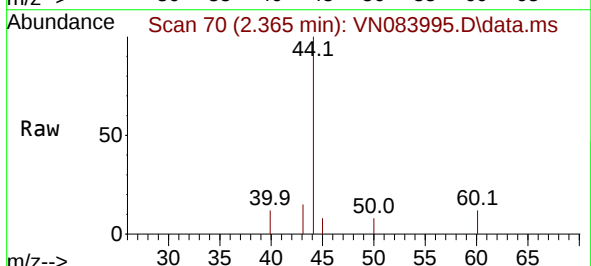


Tgt Ion:168 Resp: 168007
Ion Ratio Lower Upper
168 100
99 67.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 50 Resp: 69
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

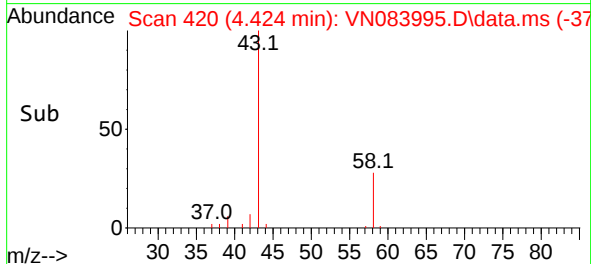
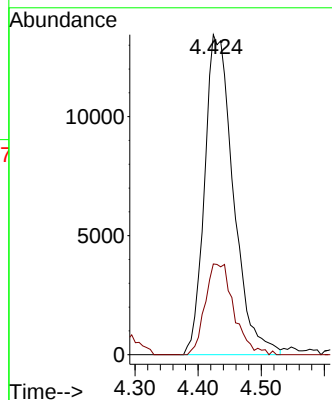
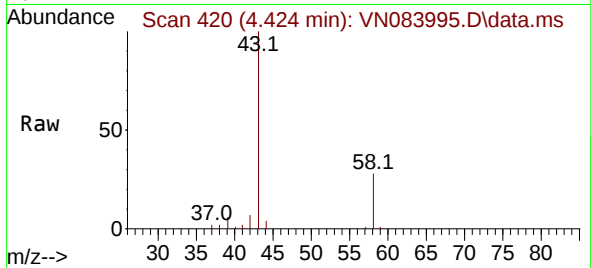




#16
Acetone
Concen: 41.944 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

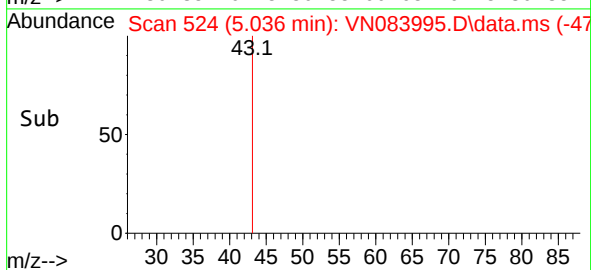
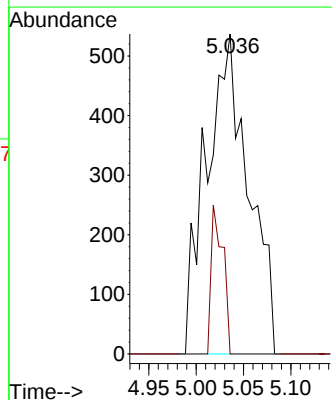
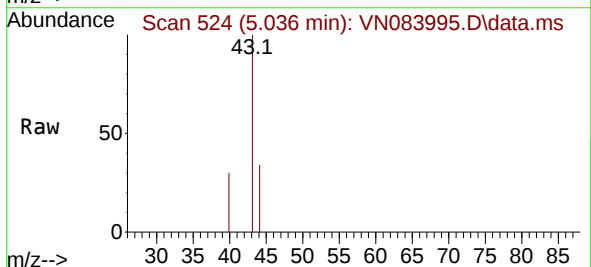
Instrument :
MSVOA_N
ClientSampleId :

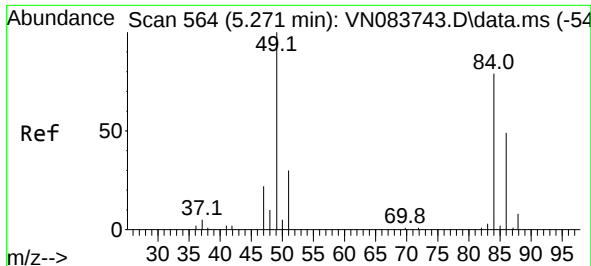
Tgt Ion: 43 Resp: 42596
Ion Ratio Lower Upper
43 100
58 28.4 23.7 35.5



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

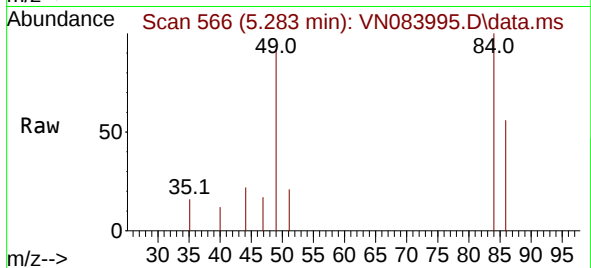
Tgt Ion: 43 Resp: 1665
Ion Ratio Lower Upper
43 100
74 12.9 19.0 28.4#



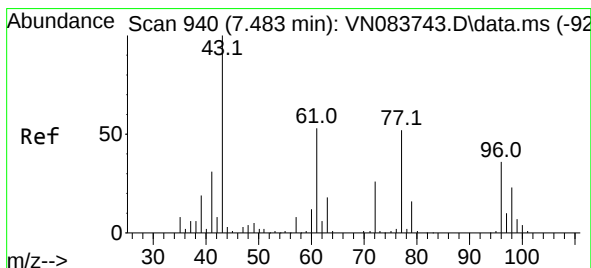
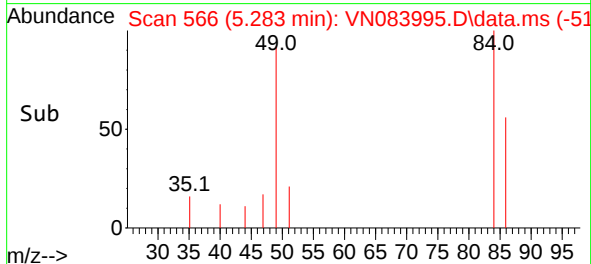
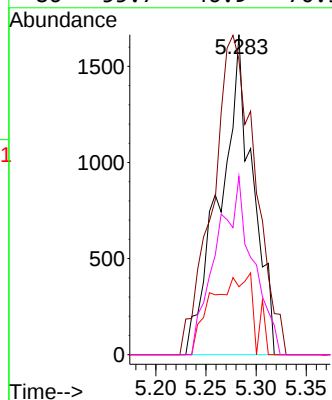


#20
Methylene Chloride
Concen: 1.822 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :

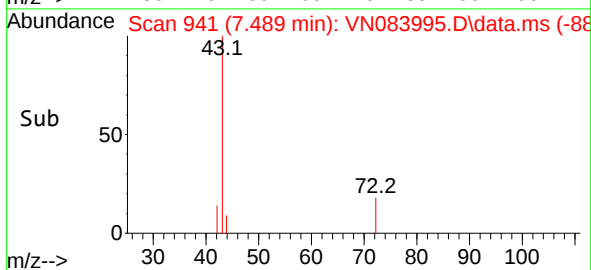
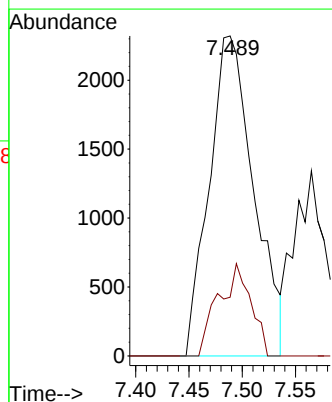
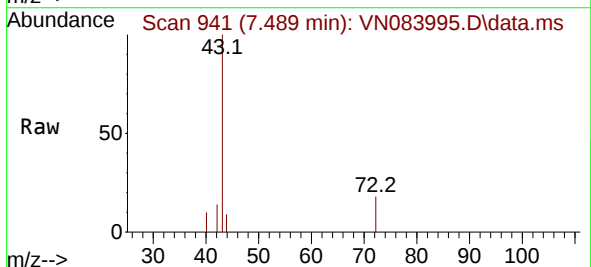


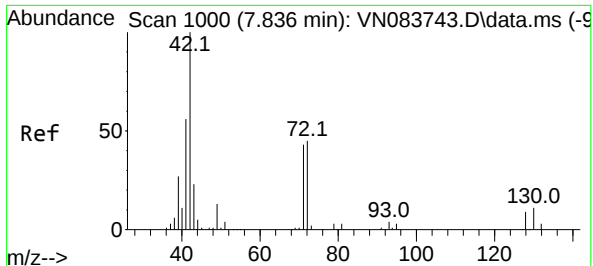
Tgt Ion: 84	Resp:	3786
Ion	Ratio	Lower Upper
84	100	
49	92.3	93.4 140.0#
51	21.3	29.2 43.8#
86	55.7	46.9 70.3



#25
2-Butanone
Concen: 5.070 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 43	Resp:	6767
Ion	Ratio	Lower Upper
43	100	
72	18.4	20.8 31.2#





#29

Tetrahydrofuran

Concen: 0.602 ug/l

RT: 7.841 min Scan# 1067

Delta R.T. 0.006 min

Lab File: VN083995.D

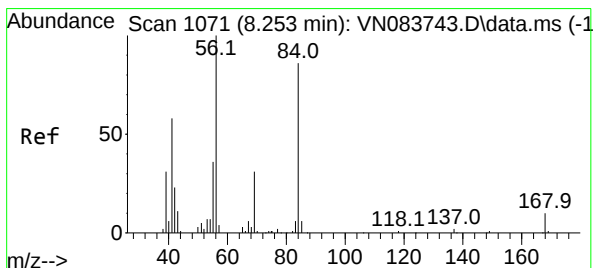
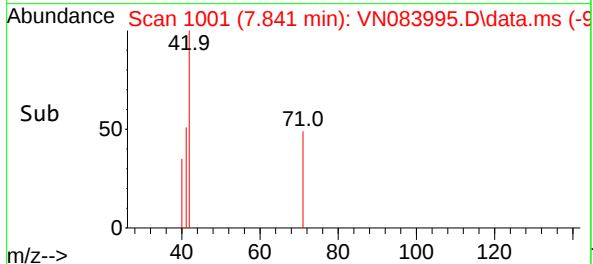
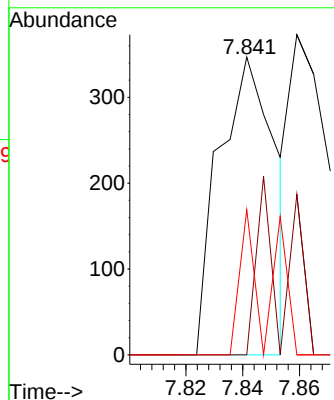
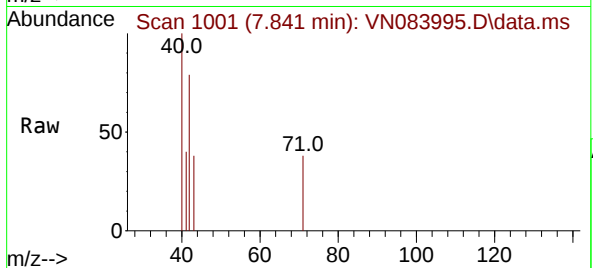
Acq: 18 Sep 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	42	Resp:	475
Ion	Ratio	Lower	Upper
42	100		
72	29.3	35.9	53.9#
71	24.4	33.9	50.9#



#31

Cyclohexane

Concen: 1.280 ug/l

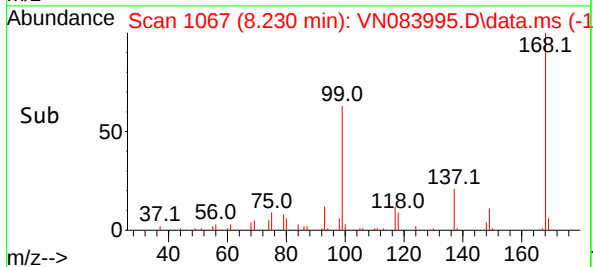
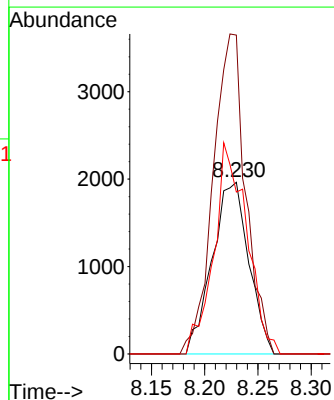
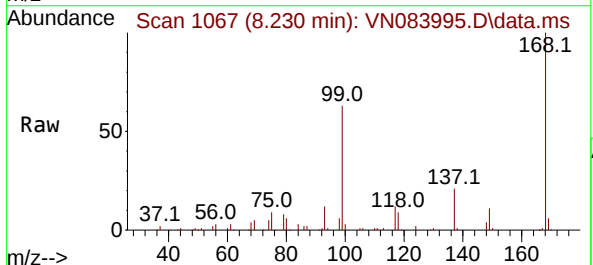
RT: 8.230 min Scan# 1067

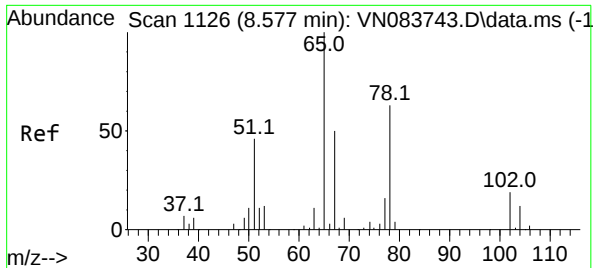
Delta R.T. -0.023 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

Tgt Ion:	56	Resp:	4687
Ion	Ratio	Lower	Upper
56	100		
69	185.6	26.9	40.3#
84	94.3	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 51.187 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

Instrument :

MSVOA_N

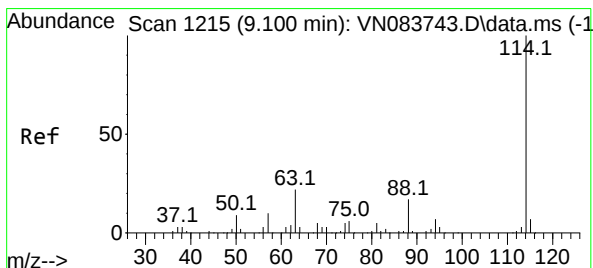
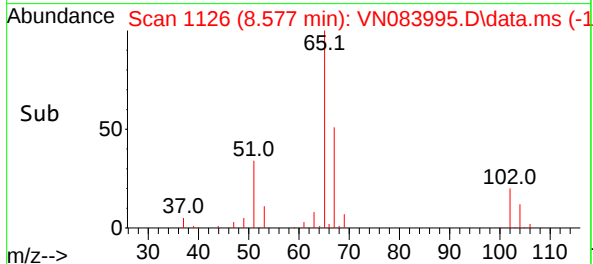
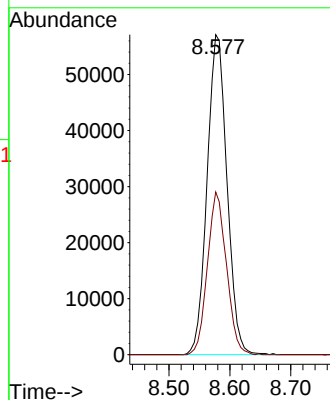
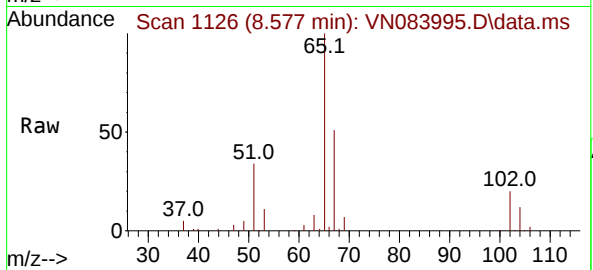
ClientSampleId :

Tgt Ion: 65 Resp: 129673

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# 1215

Delta R.T. 0.000 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

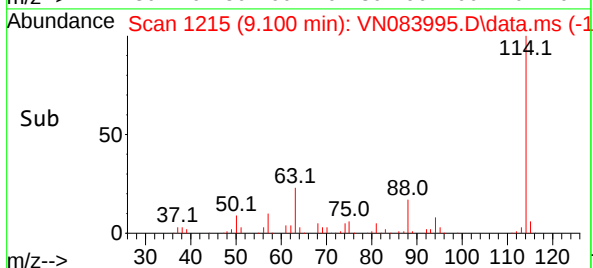
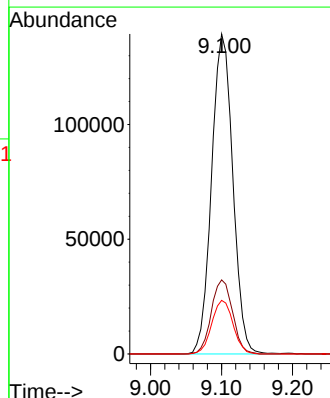
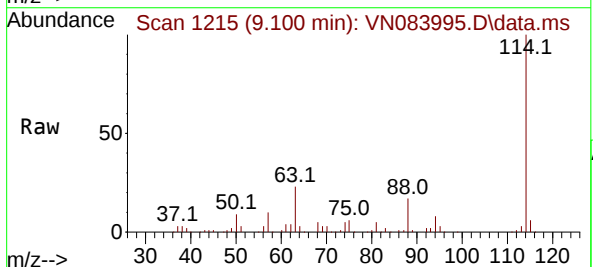
Tgt Ion: 114 Resp: 289197

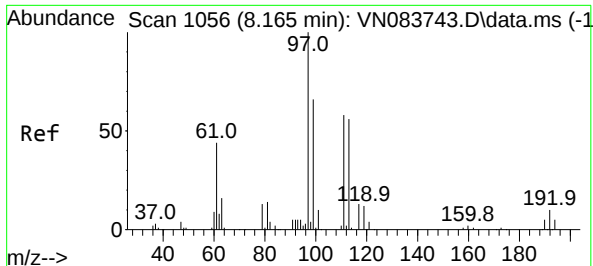
Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

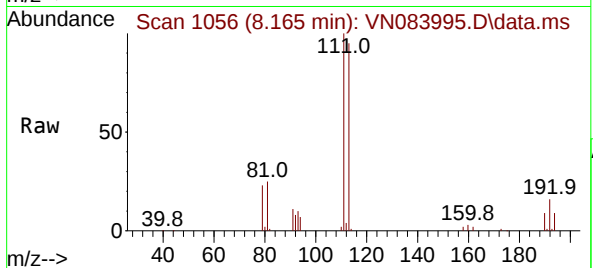
88 16.8 0.0 32.6



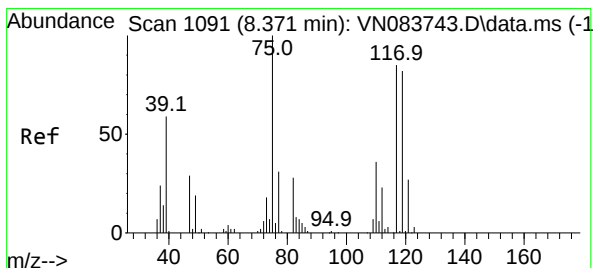
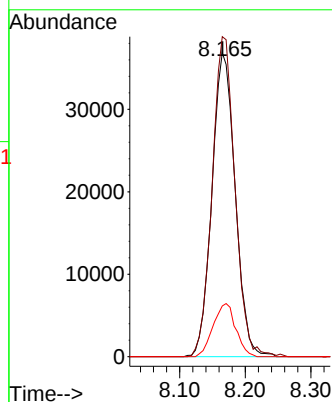
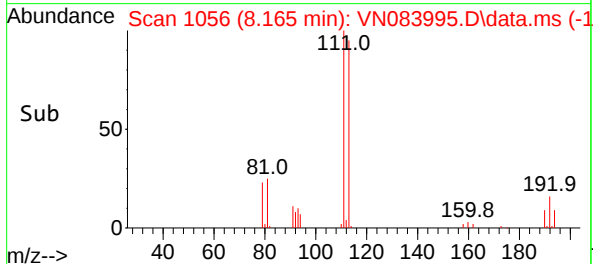


#35
Dibromofluoromethane
Concen: 48.883 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :

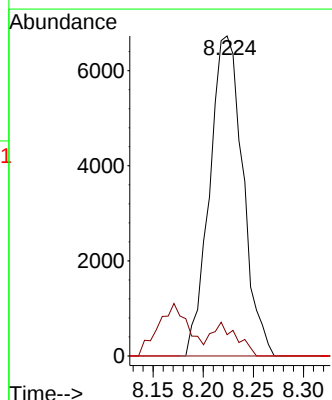
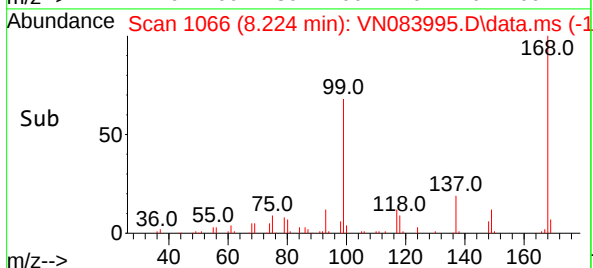
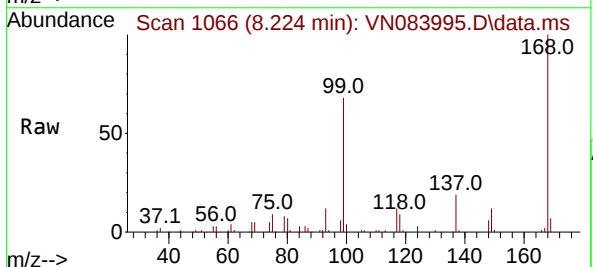


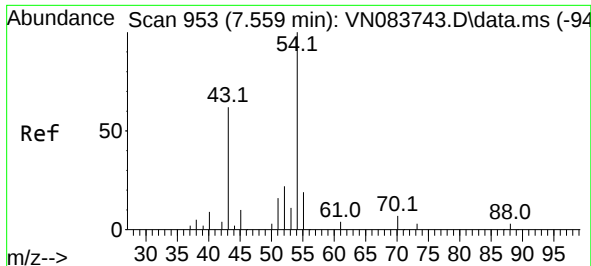
Tgt Ion:113 Resp: 90502
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 17.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.562 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 75 Resp: 15499
Ion Ratio Lower Upper
75 100
110 7.9 16.7 50.1#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.194 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

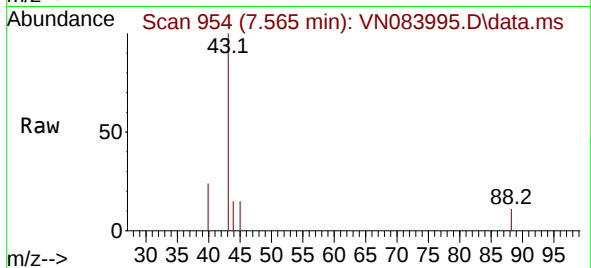
Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

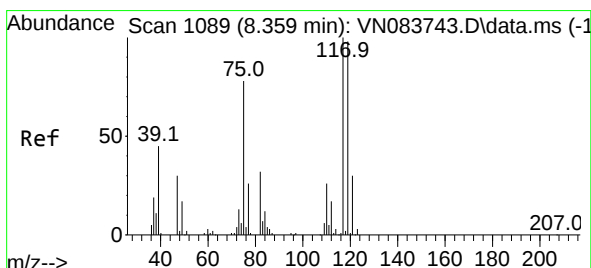
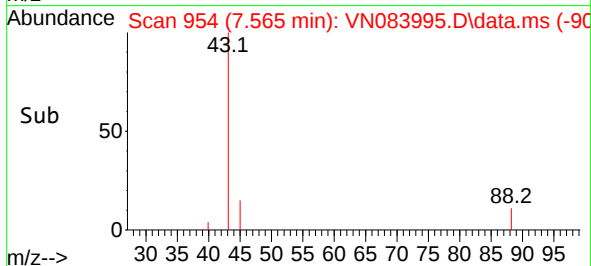
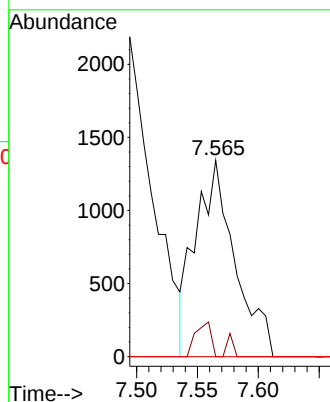
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3020
Ion Ratio	Lower	Upper	
43	100		
61	7.0	11.1	16.7#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 6.116 ug/l

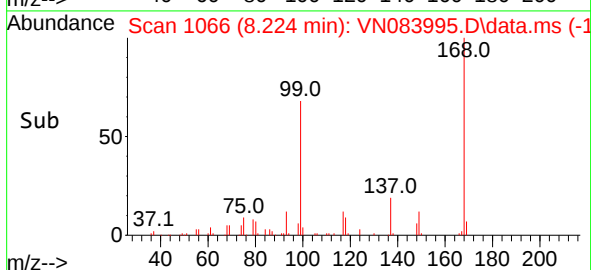
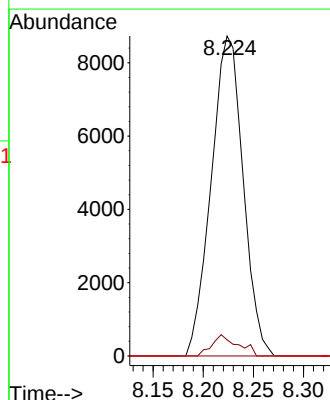
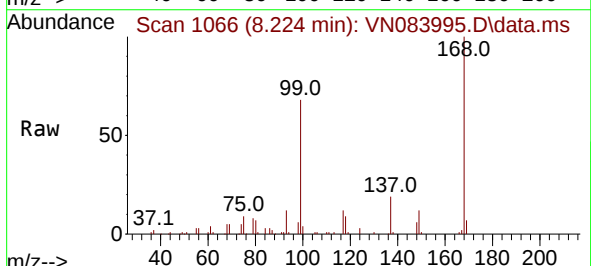
RT: 8.224 min Scan# 1066

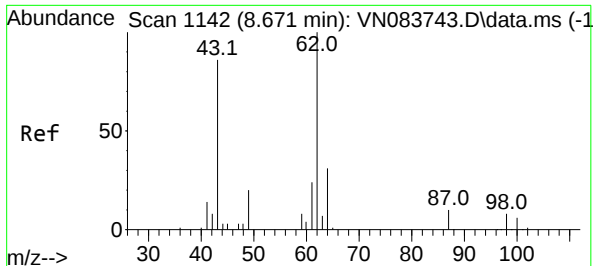
Delta R.T. -0.135 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

Tgt Ion:	117	Resp:	19336
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.1	114.1#
121	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: VN083995.D

Acq: 18 Sep 2024 20:15

Instrument :

MSVOA_N

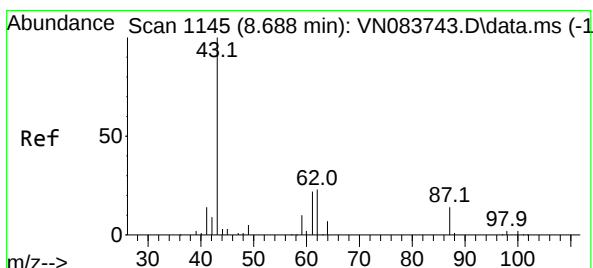
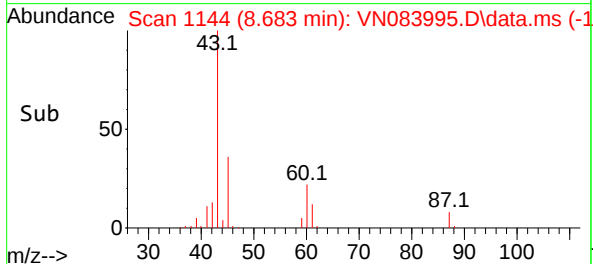
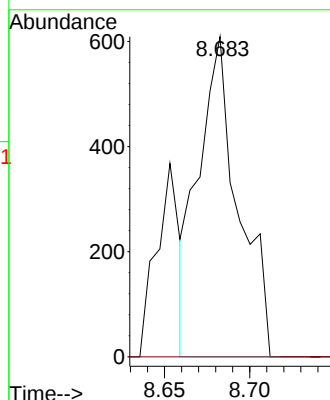
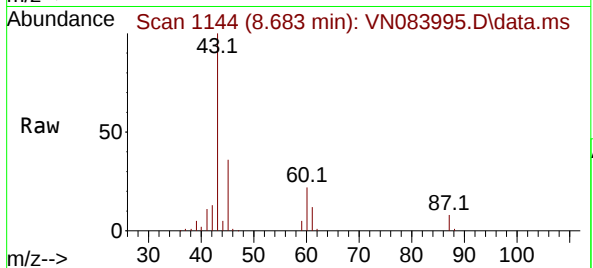
ClientSampleId :

Tgt Ion: 62 Resp: 991

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6



#43

Isopropyl Acetate

Concen: 68.722 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

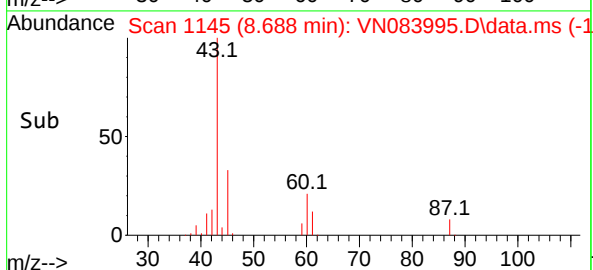
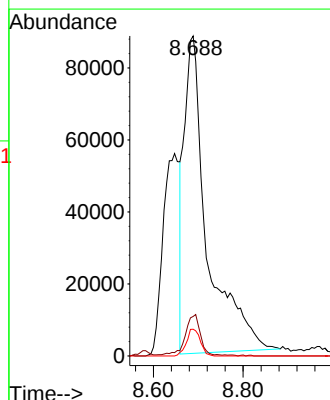
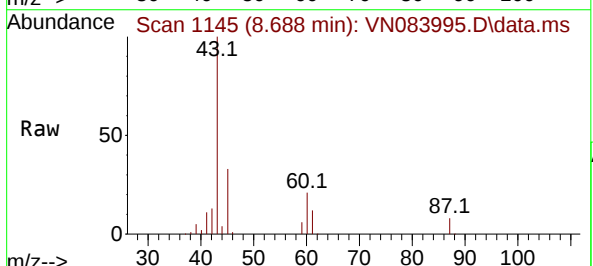
Tgt Ion: 43 Resp: 314997

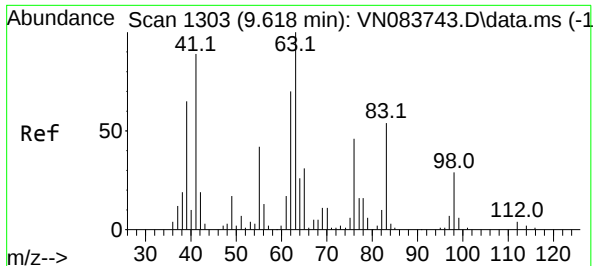
Ion Ratio Lower Upper

43 100

61 8.9 19.4 29.0#

87 5.0 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.645 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.129 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

Instrument :

MSVOA_N

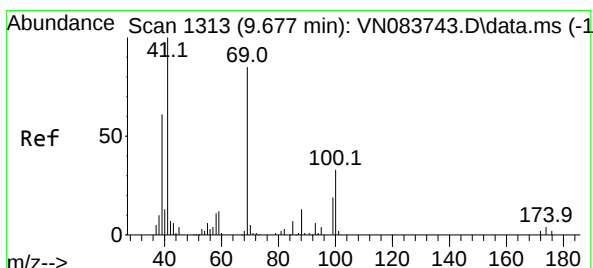
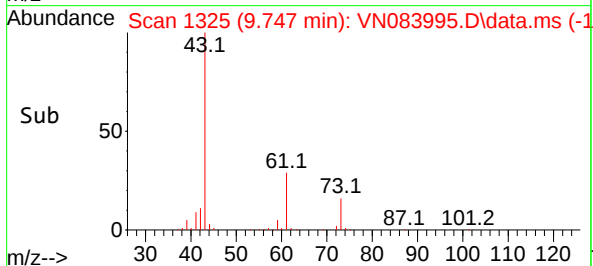
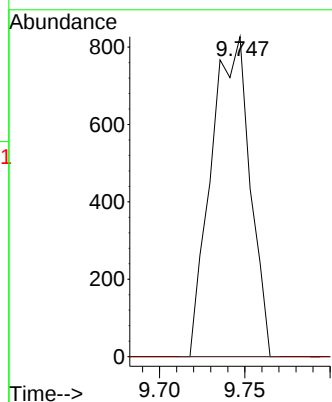
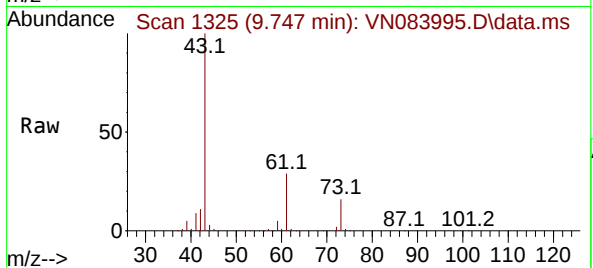
ClientSampleId :

Tgt Ion: 63 Resp: 1307

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#



#48

Methyl methacrylate

Concen: 46.787 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.065 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

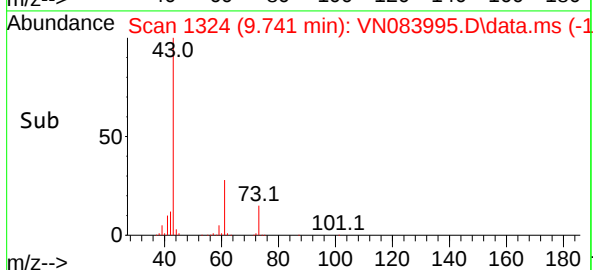
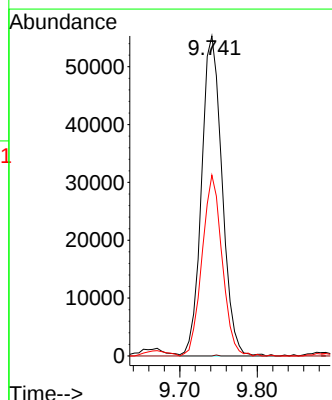
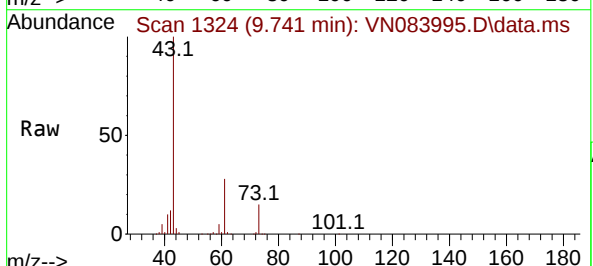
Tgt Ion: 41 Resp: 101747

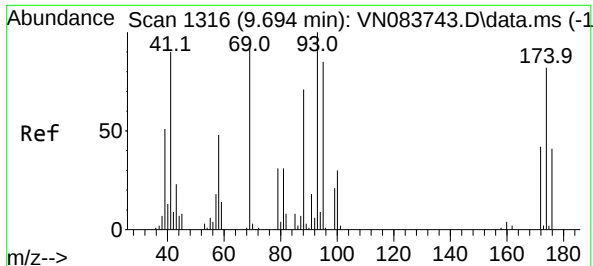
Ion Ratio Lower Upper

41 100

69 0.1 64.3 96.5#

39 55.2 48.9 73.3





#49

1,4-Dioxane

Concen: 2.152 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN083995.D

Acq: 18 Sep 2024 20:15

Instrument :

MSVOA_N

ClientSampleId :

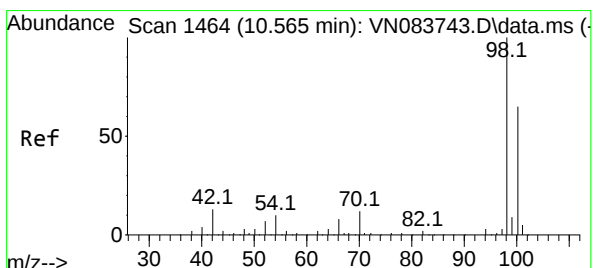
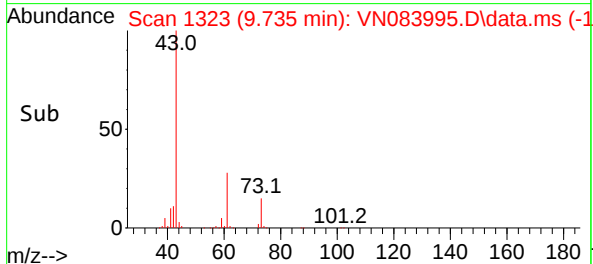
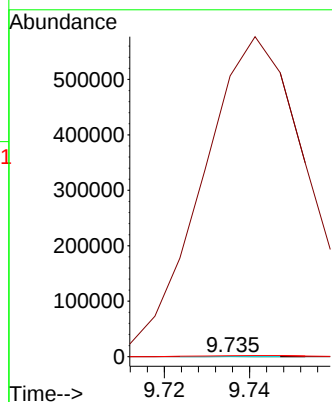
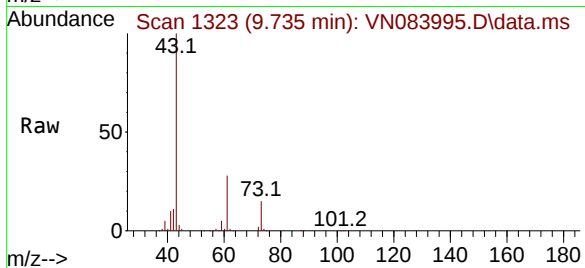
Tgt Ion: 88 Resp: 77

Ion Ratio Lower Upper

88 100

43 1329620.8 0.0 0.0#

58 4733.8 57.1 85.7#



#50

Toluene-d8

Concen: 53.884 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083995.D

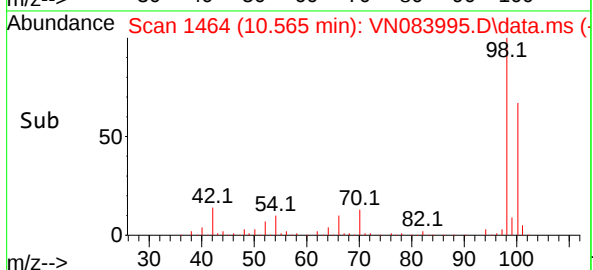
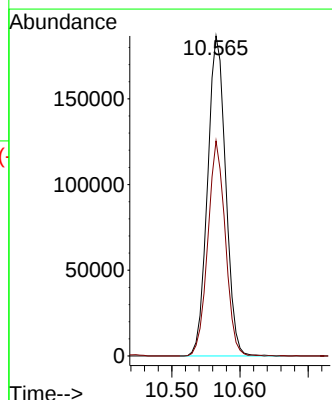
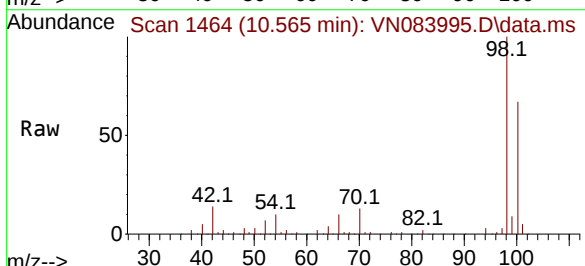
Acq: 18 Sep 2024 20:15

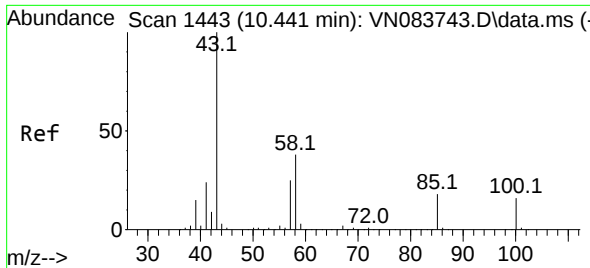
Tgt Ion: 98 Resp: 344882

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

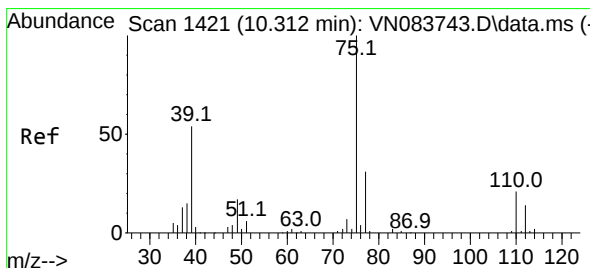
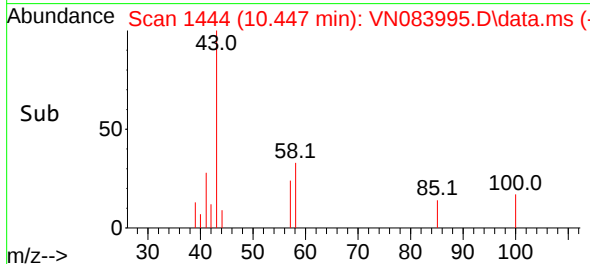
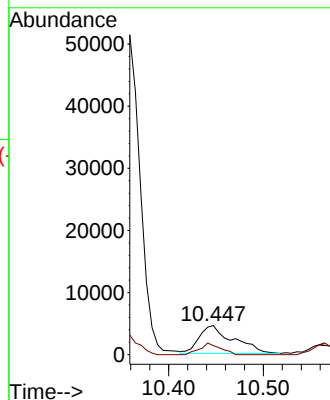
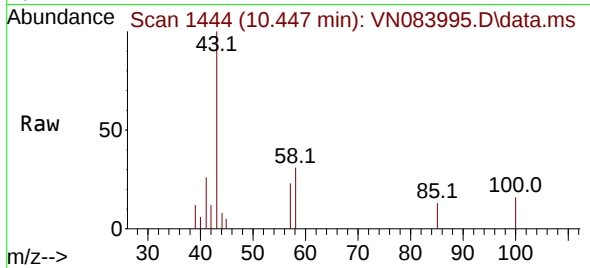




#51
4-Methyl-2-Pentanone
Concen: 4.478 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

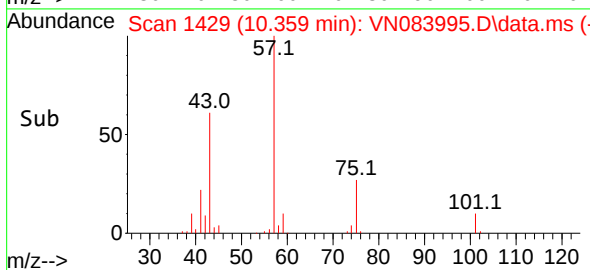
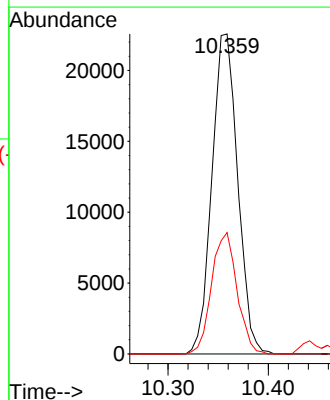
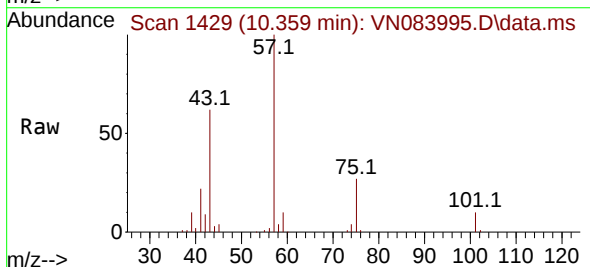
Instrument :
MSVOA_N
ClientSampleId :

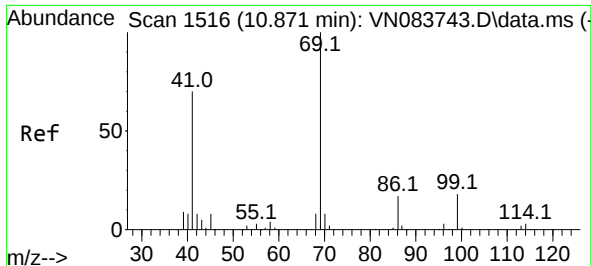
Tgt Ion: 43 Resp: 11174
Ion Ratio Lower Upper
43 100
58 25.4 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 12.330 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 75 Resp: 40343
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 38.0 42.6 64.0#

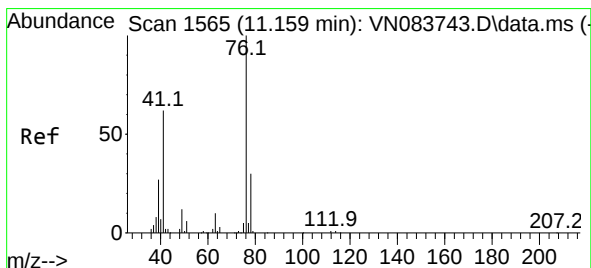
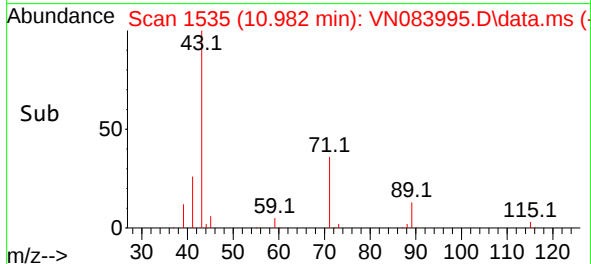
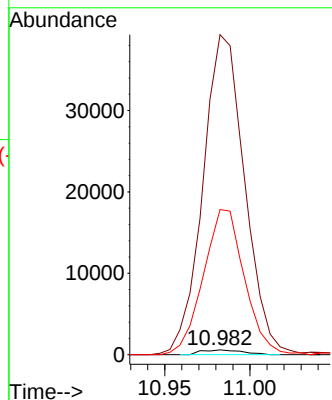
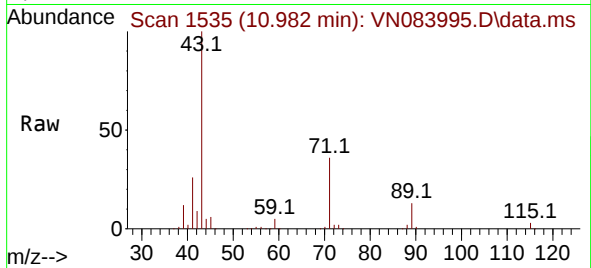




#56
Ethyl methacrylate
Concen: 0.333 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

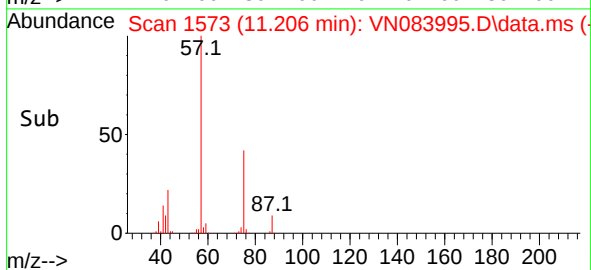
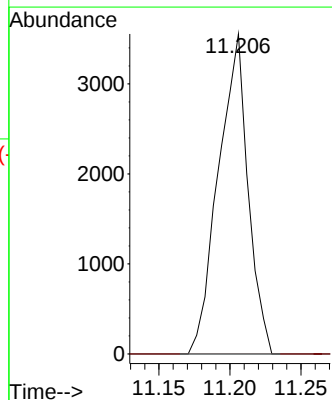
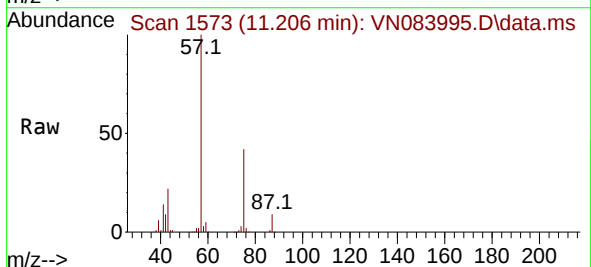
Instrument :
MSVOA_N
ClientSampleId :

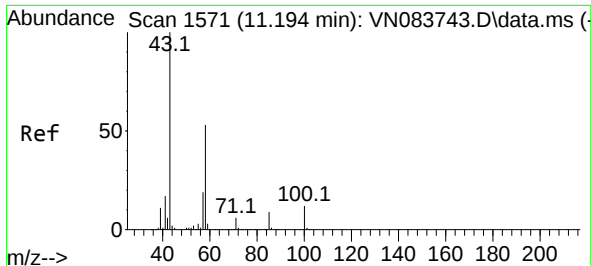
Tgt Ion: 69 Resp: 982
Ion Ratio Lower Upper
69 100
41 6856.2 53.9 80.9#
39 3052.1 32.6 48.8#



#57
1,3-Dichloropropane
Concen: 1.565 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 76 Resp: 5151
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

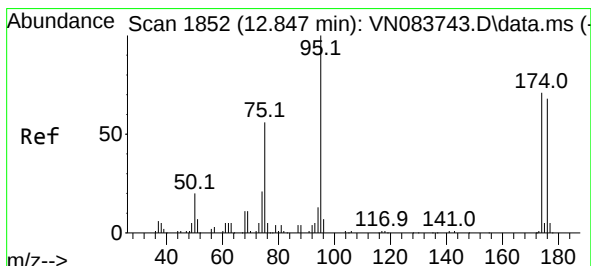
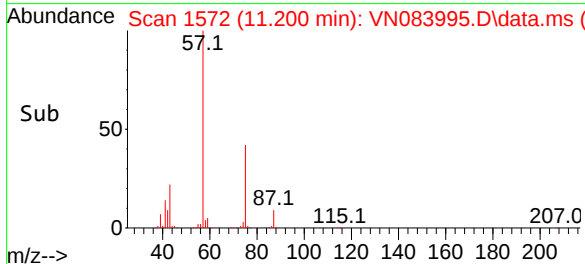
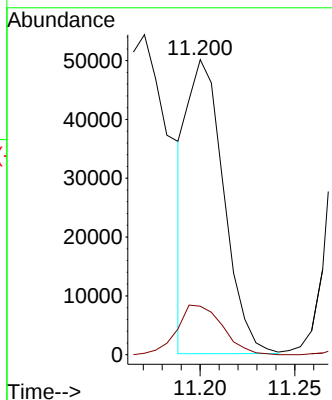
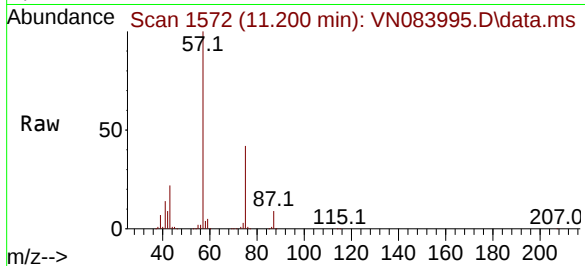




#59
2-Hexanone
Concen: 36.571 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

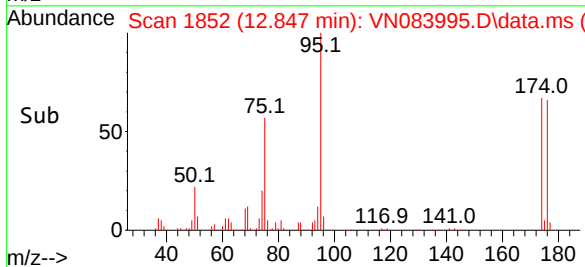
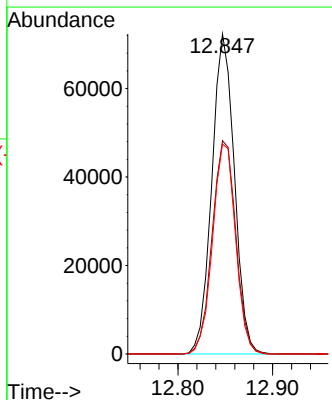
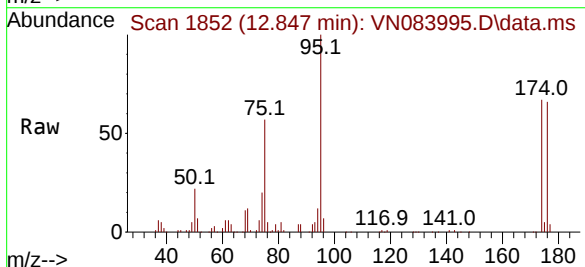
Instrument :
MSVOA_N
ClientSampleId :

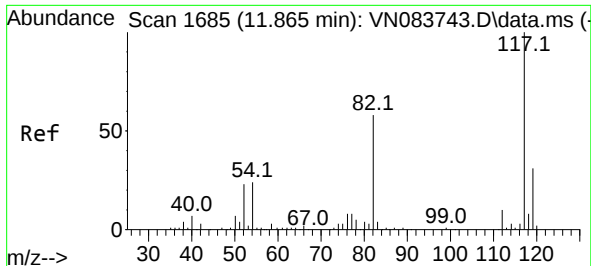
Tgt Ion: 43 Resp: 67499
Ion Ratio Lower Upper
43 100
58 20.9 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 45.316 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Tgt Ion: 95 Resp: 119663
Ion Ratio Lower Upper
95 100
174 70.0 0.0 139.8
176 67.1 0.0 131.4

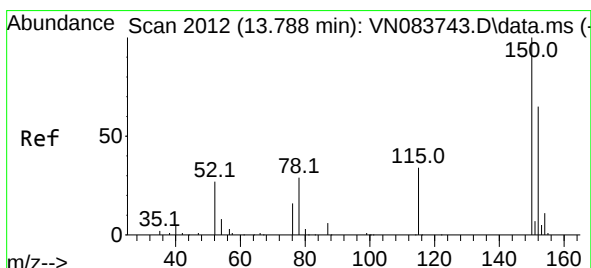
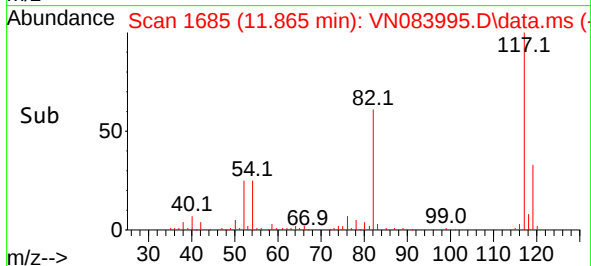
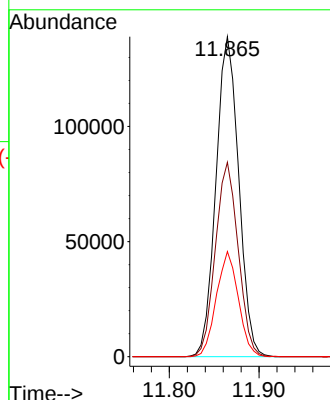
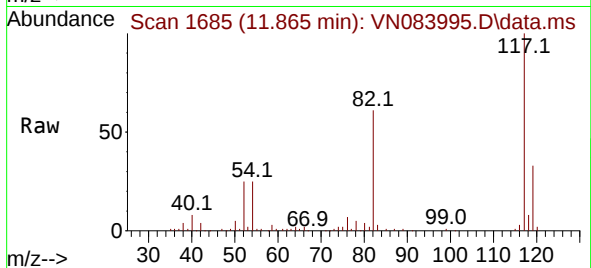




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

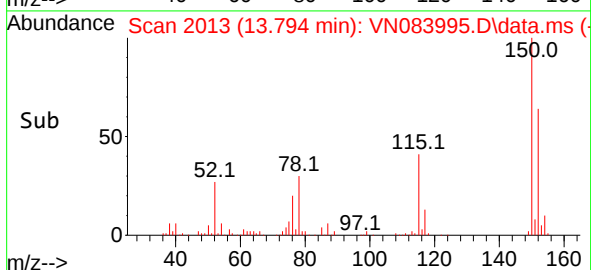
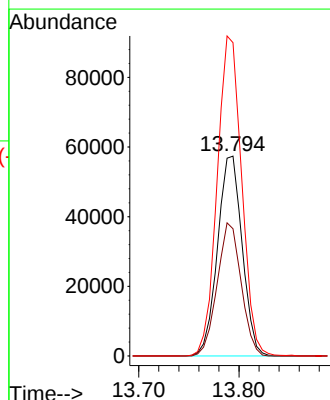
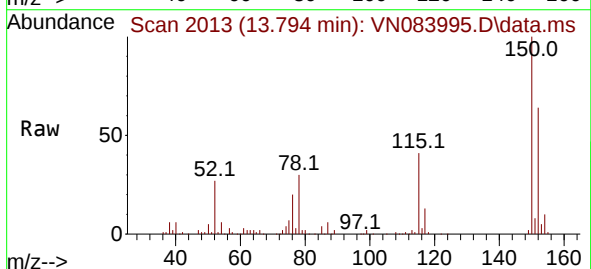
Instrument :
MSVOA_N
ClientSampleId :

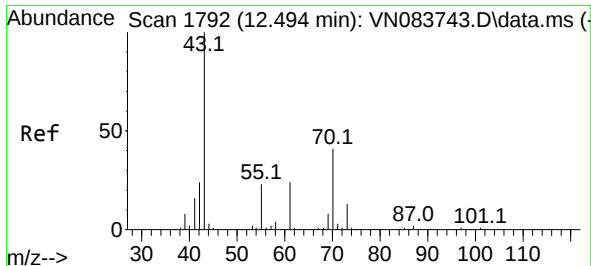
Tgt Ion:117 Resp: 245100
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.0
119 32.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

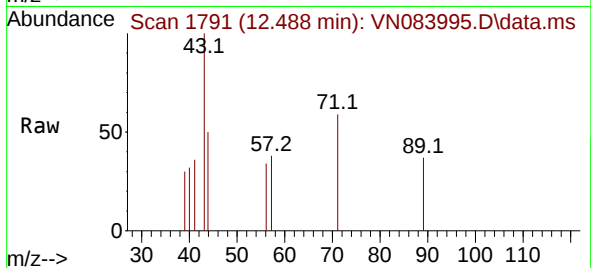
Tgt Ion:152 Resp: 97622
Ion Ratio Lower Upper
152 100
115 64.7 32.2 96.6
150 159.6 0.0 348.6



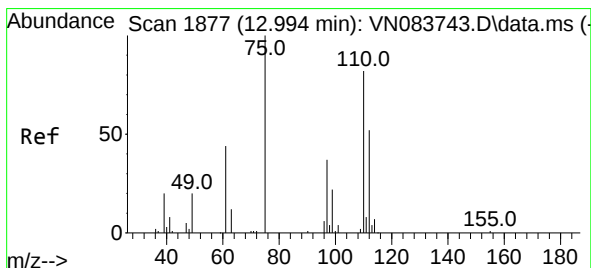
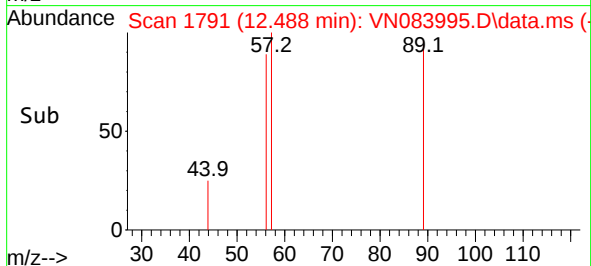
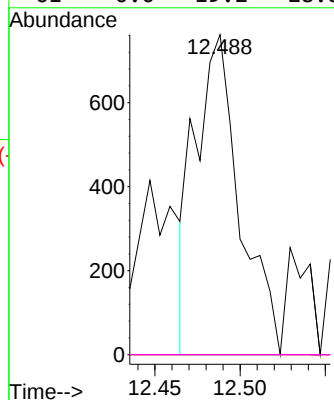


#74
N-amy1 acetate
Concen: 0.429 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

Instrument :
MSVOA_N
ClientSampleId :

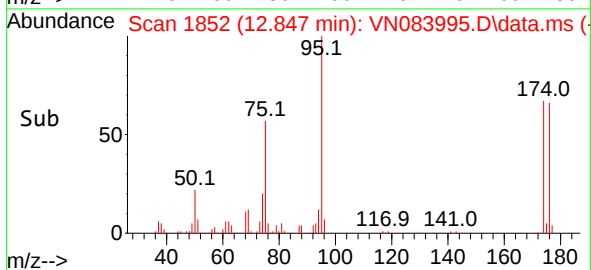
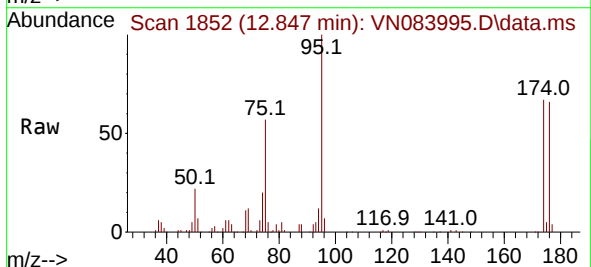
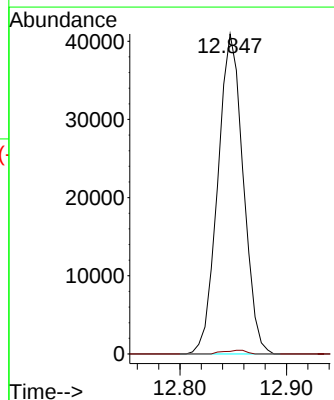


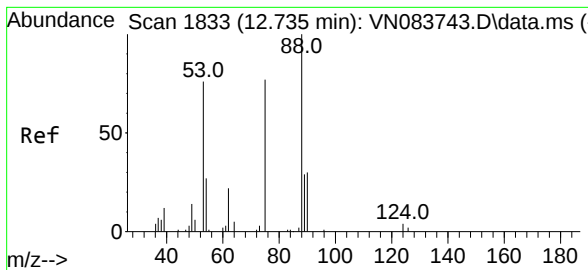
Tgt Ion: 43	Resp: 1384
Ion Ratio	Lower Upper
43 100	
70 0.0	34.5 51.7#
55 0.0	18.6 28.0#
61 0.0	19.2 28.8#



#76
1,2,3-Trichloropropane
Concen: 34.434 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083995.D
Acq: 18 Sep 2024 20:15

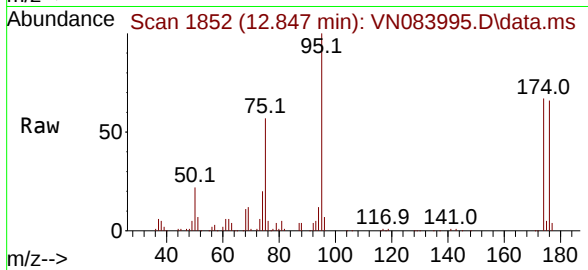
Tgt Ion: 75	Resp: 67829
Ion Ratio	Lower Upper
75 100	
77 1.0	95.2 285.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.186 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN083995.D
 Acq: 18 Sep 2024 20:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 67829
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#

