

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091624\
 Data File : VN083907.D
 Acq On : 16 Sep 2024 09:45
 Operator : JC\MD
 Sample : VN0916MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:27:24 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)

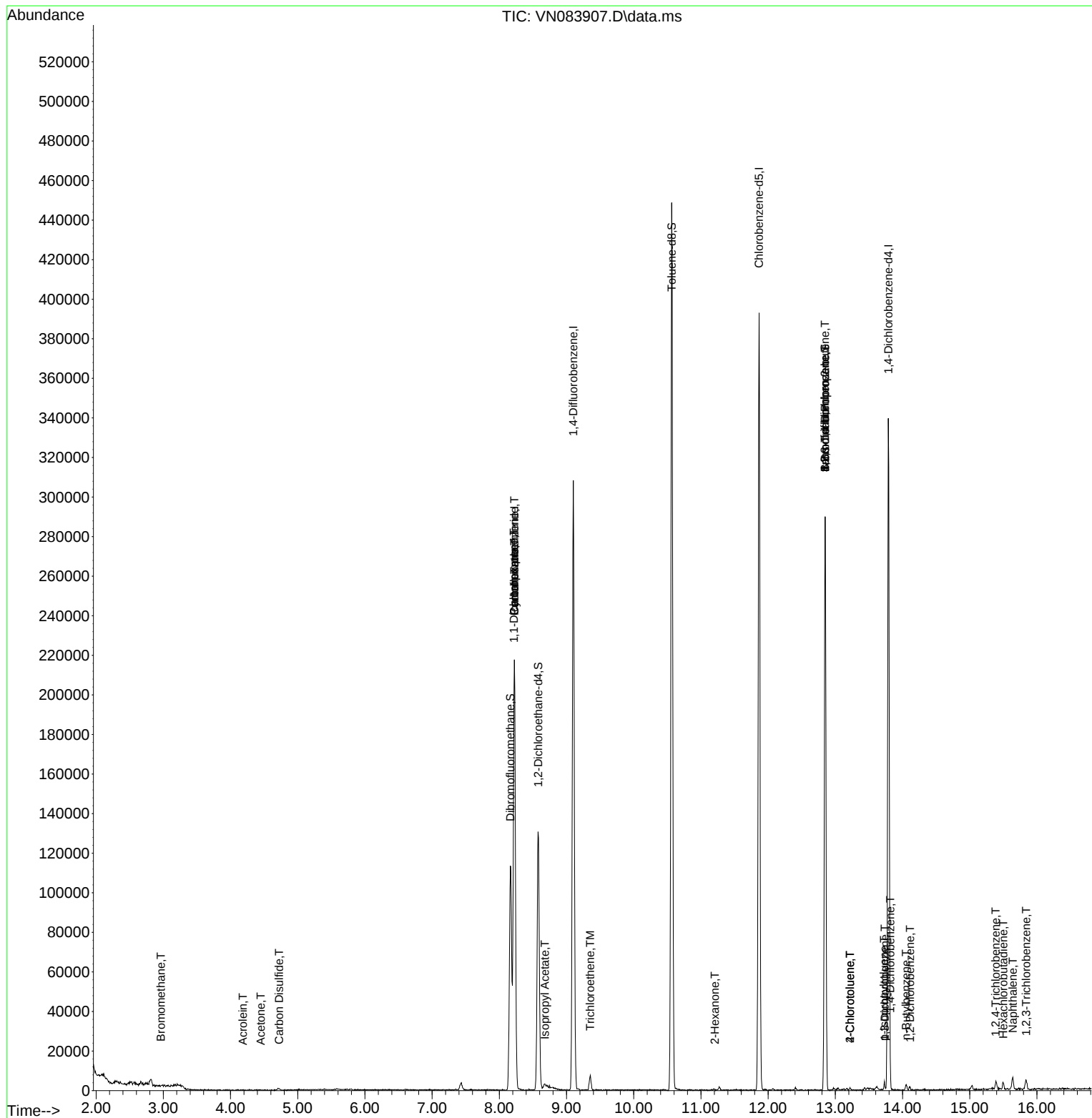
Internal Standards						
1) Pentafluorobenzene	8.224	168	148161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	209075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	85036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114070	51.060	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	80408	50.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.060%			
50) Toluene-d8	10.565	98	297873	54.145	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.847	95	99529	43.851	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.700%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	352	Below Cal	#	41
5) Bromomethane	2.965	94	365	0.337	ug/l	95
13) Acrolein	4.183	56	87	0.295	ug/l	96
16) Acetone	4.448	43	355	0.396	ug/l #	45
17) Carbon Disulfide	4.724	76	2329	0.520	ug/l #	75
18) Methyl Acetate	5.012	43	55	Below Cal	#	52
31) Cyclohexane	8.224	56	4121	1.276	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	14112	5.892	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17034	6.269	ug/l #	16
43) Isopropyl Acetate	8.677	43	2032	0.516	ug/l #	57
44) Trichloroethene	9.353	130	2695	1.614	ug/l	78
59) 2-Hexanone	11.206	43	525	0.331	ug/l #	54
71) Bromoform	12.847	173	512	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	56001	32.637	ug/l #	1
79) 2-Chlorotoluene	13.218	91	1043	0.214	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.847	75	56001	85.480	ug/l #	9
82) 4-Chlorotoluene	13.218	91	1043	0.213	ug/l	96
86) p-Isopropyltoluene	13.723	119	1229	0.228	ug/l	83
87) 1,3-Dichlorobenzene	13.735	146	993	0.332	ug/l #	81
88) 1,4-Dichlorobenzene	13.818	146	1249	0.413	ug/l #	55
89) n-Butylbenzene	14.053	91	1945	0.402	ug/l	97
91) 1,2-Dichlorobenzene	14.112	146	812	0.282	ug/l #	83
93) 1,2,4-Trichlorobenzene	15.388	180	1740	1.124	ug/l	95
94) Hexachlorobutadiene	15.500	225	916	1.394	ug/l	95
95) Naphthalene	15.641	128	6411	1.361	ug/l	96
96) 1,2,3-Trichlorobenzene	15.841	180	2112	1.428	ug/l	94

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

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Data File : VN083907.D
Acq On : 16 Sep 2024 09:45
Operator : JC\MD
Sample : VN0916MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

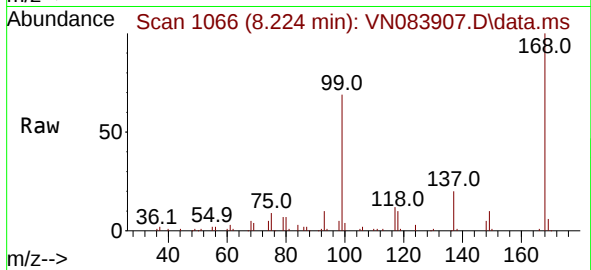
Quant Time: Sep 17 02:27:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



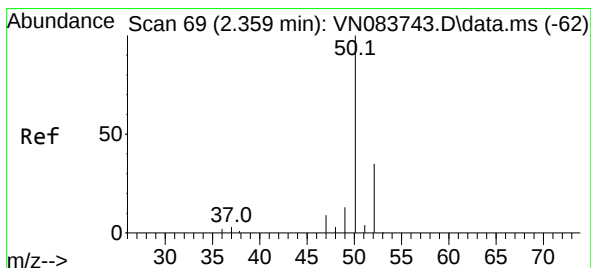
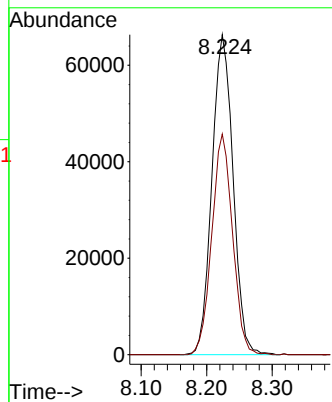
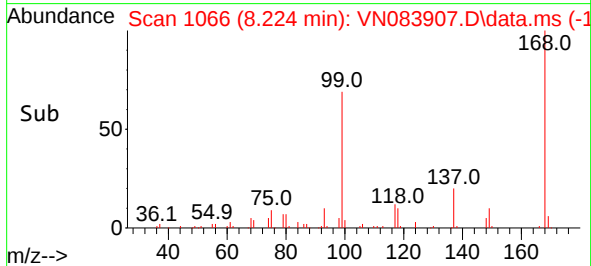


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Instrument :
MSVOA_N
ClientSampleId :

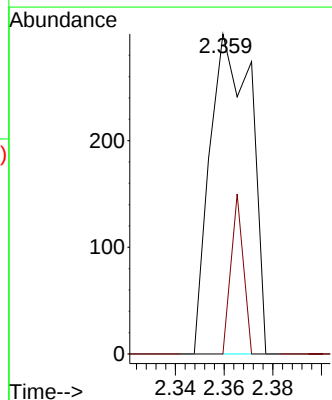
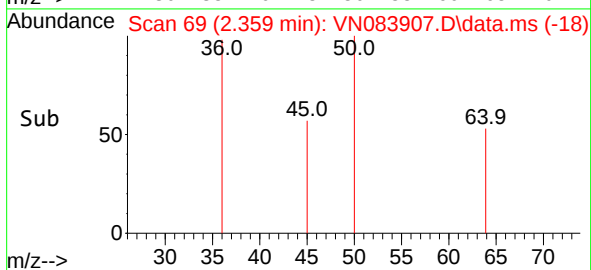
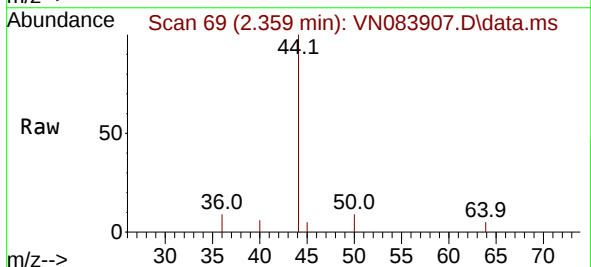


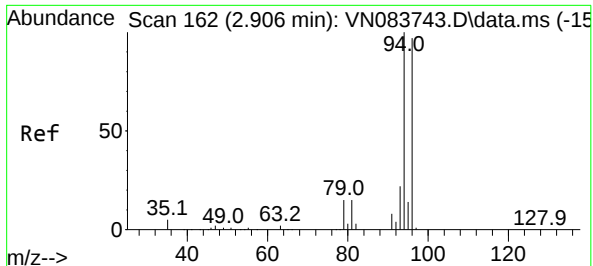
Tgt Ion:168 Resp: 148161
Ion Ratio Lower Upper
168 100
99 68.9 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 50 Resp: 352
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

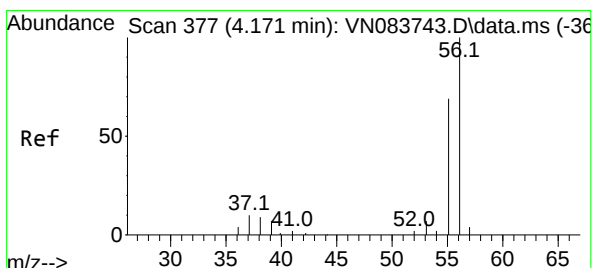
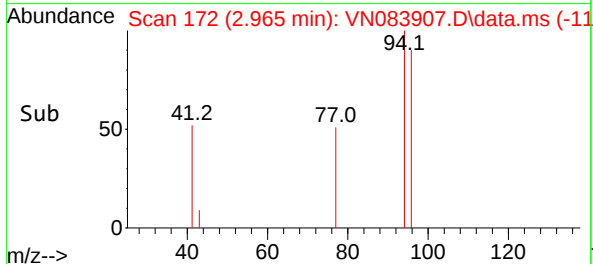
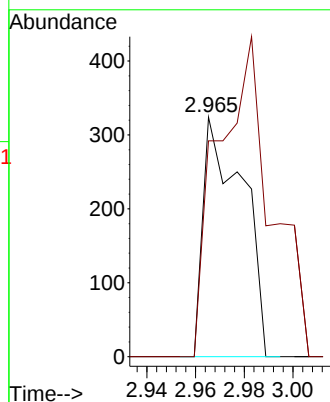
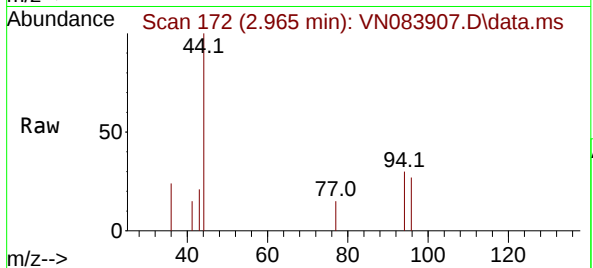




#5
Bromomethane
Concen: 0.337 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

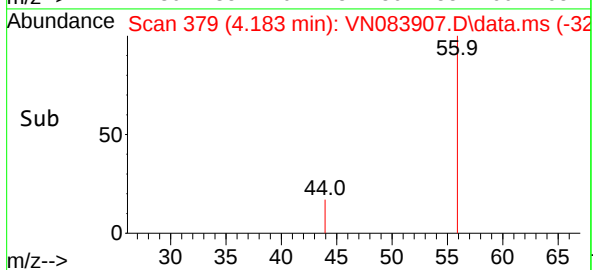
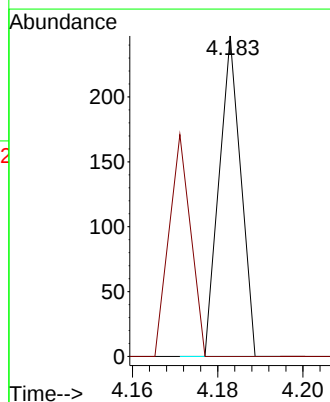
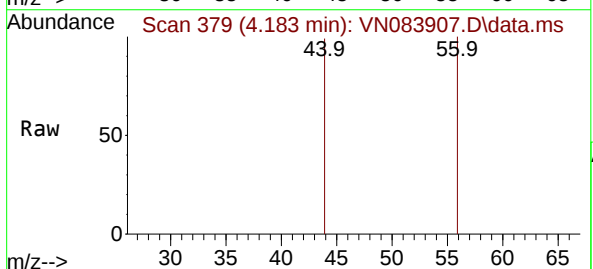
Instrument :
MSVOA_N
ClientSampleId :

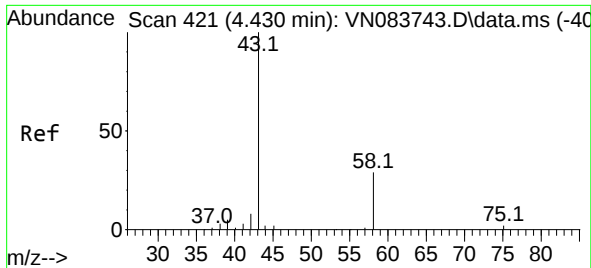
Tgt Ion: 94 Resp: 365
Ion Ratio Lower Upper
94 100
96 90.1 76.0 114.0



#13
Acrolein
Concen: 0.295 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 69.0 58.2 87.2





#16

Acetone

Concen: 0.396 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

Instrument :

MSVOA_N

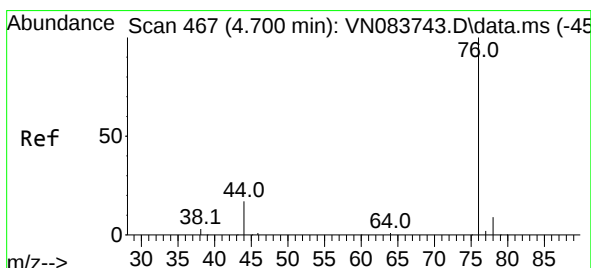
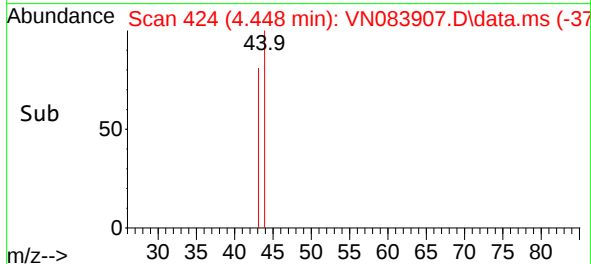
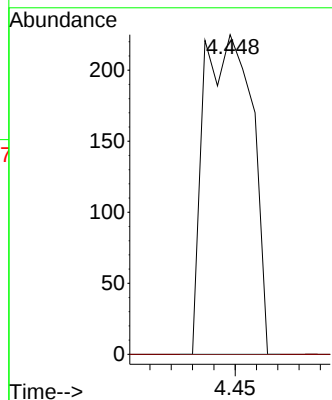
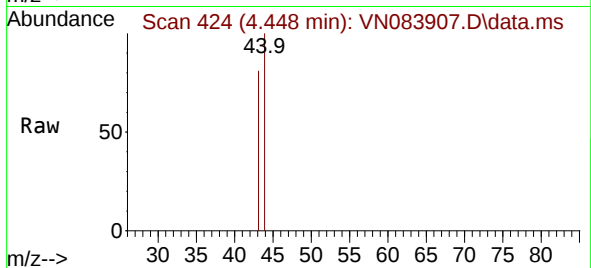
ClientSampleId :

Tgt Ion: 43 Resp: 355

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.520 ug/l

RT: 4.724 min Scan# 471

Delta R.T. 0.024 min

Lab File: VN083907.D

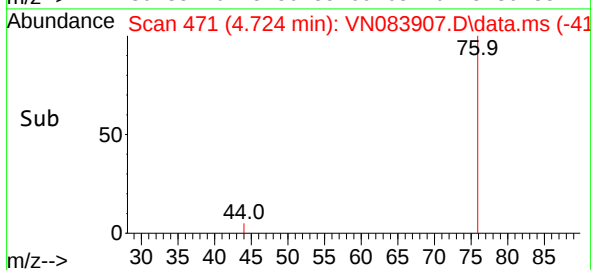
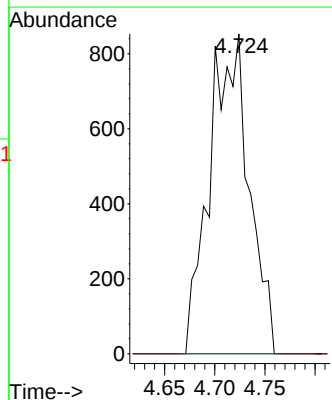
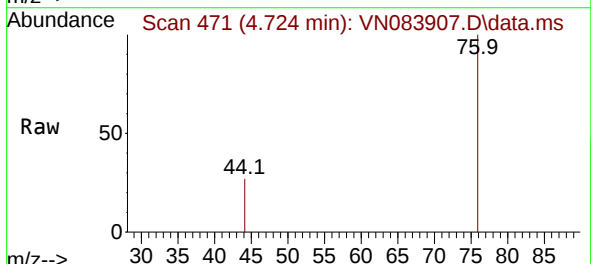
Acq: 16 Sep 2024 09:45

Tgt Ion: 76 Resp: 2329

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: Below Cal

RT: 5.012 min Scan# 51

Delta R.T. -0.012 min

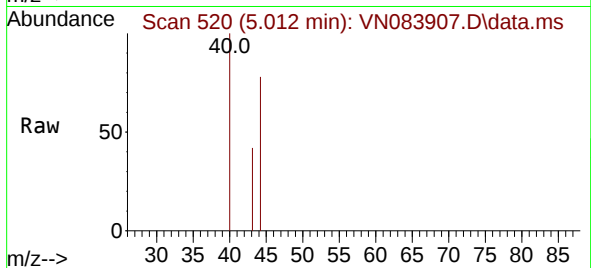
Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

Instrument :

MSVOA_N

ClientSampleId :

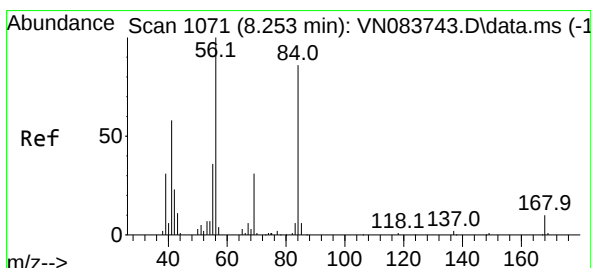
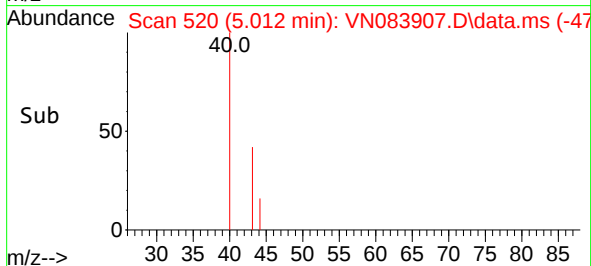
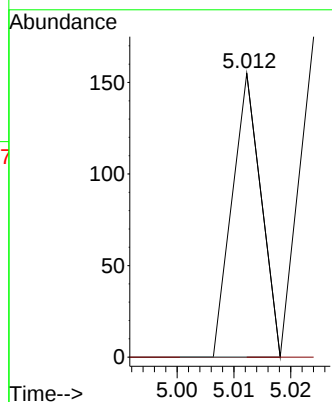


Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

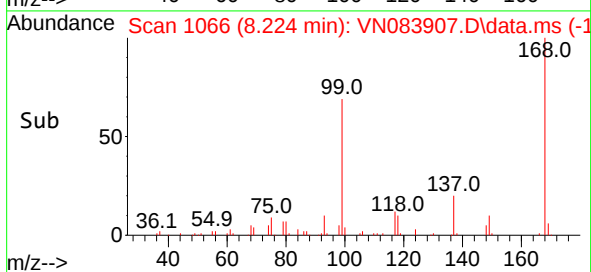
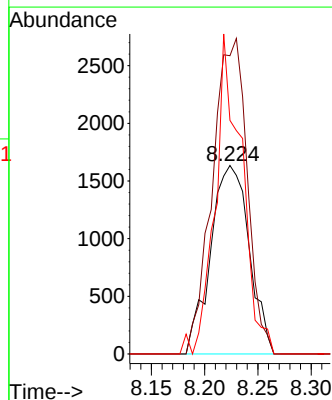
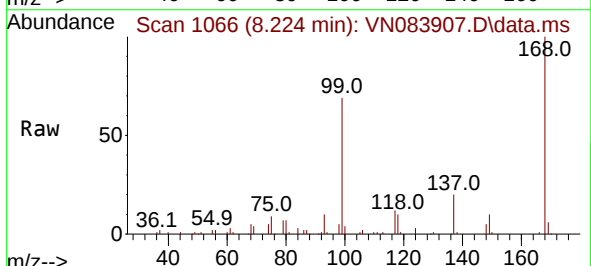
Tgt Ion: 56 Resp: 4121

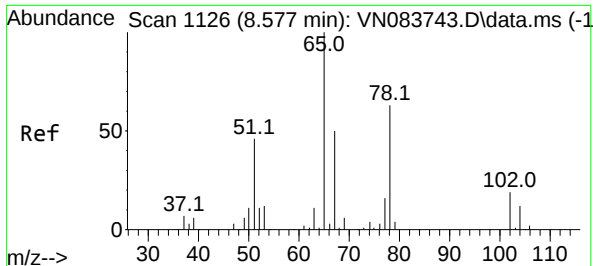
Ion Ratio Lower Upper

56 100

69 158.3 26.9 40.3#

84 124.0 69.2 103.8#

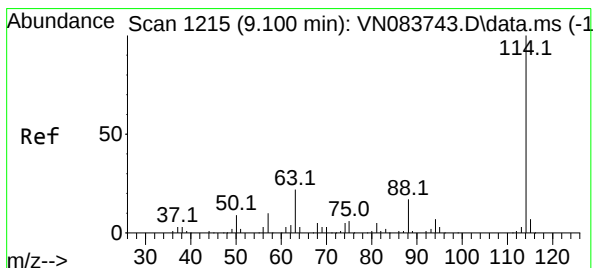
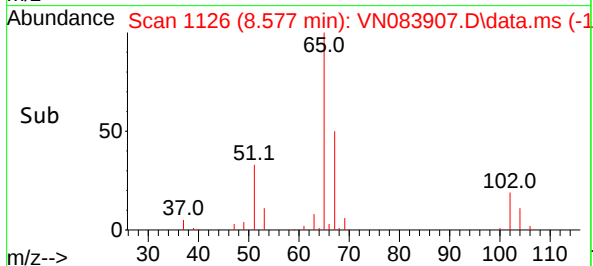
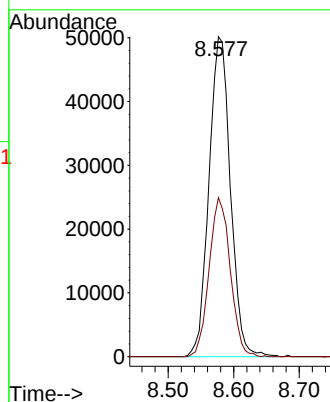
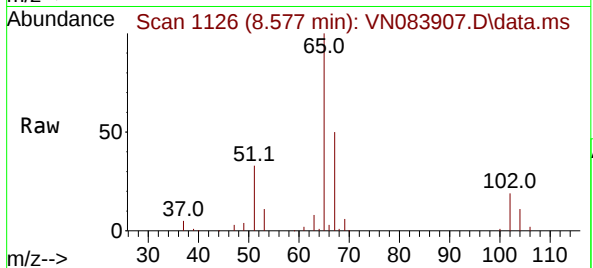




#33
 1,2-Dichloroethane-d4
 Concen: 51.060 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN083907.D
 Acq: 16 Sep 2024 09:45

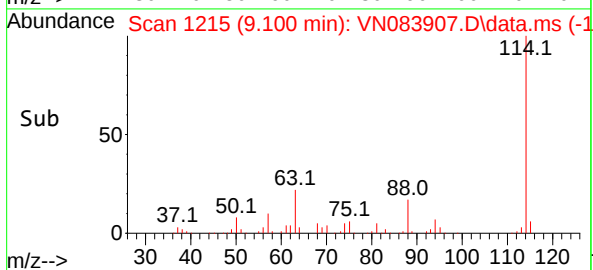
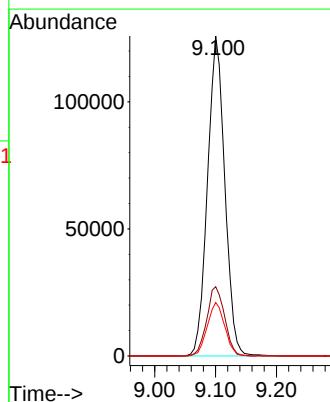
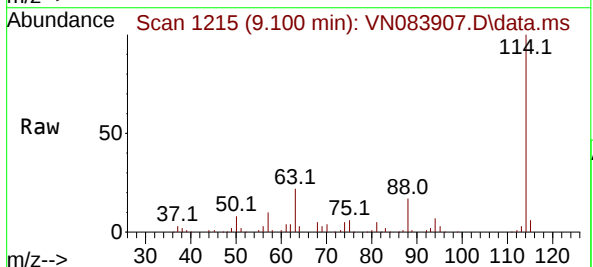
Instrument :
 MSVOA_N
 ClientSampleId :

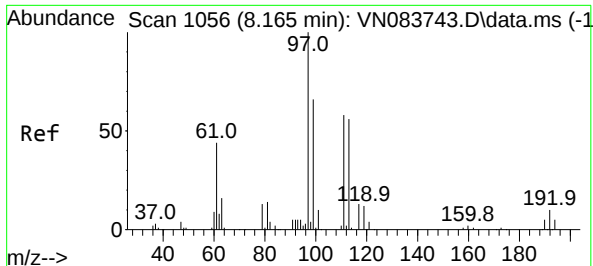
Tgt Ion: 65 Resp: 114070
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN083907.D
 Acq: 16 Sep 2024 09:45

Tgt Ion: 114 Resp: 248574
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.529 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

Instrument :

MSVOA_N

ClientSampleId :

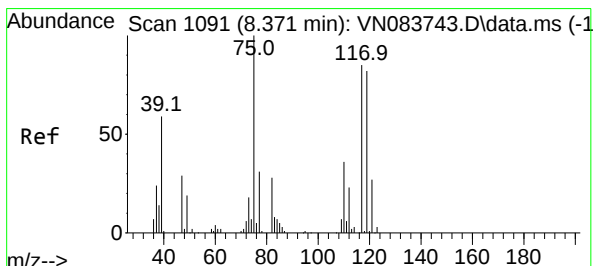
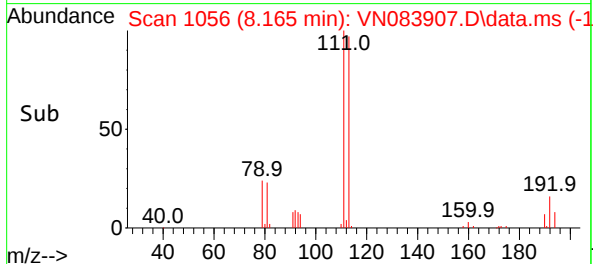
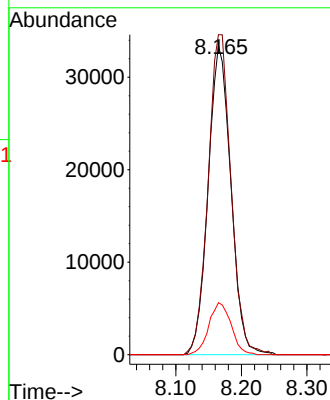
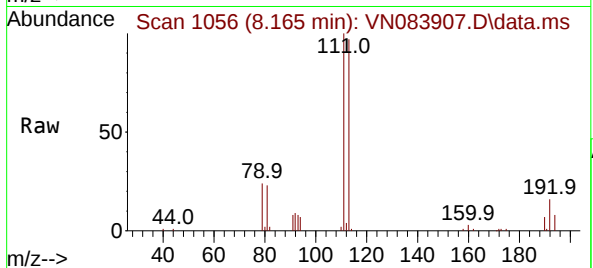
Tgt Ion:113 Resp: 80408

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

192 16.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.892 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

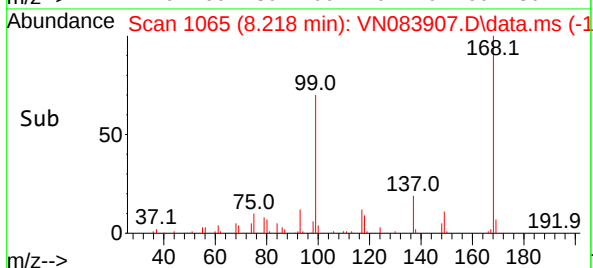
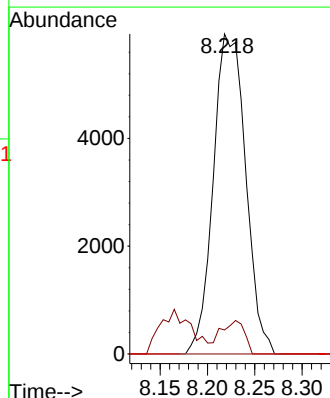
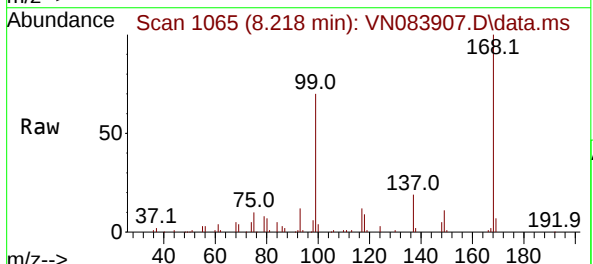
Tgt Ion: 75 Resp: 14112

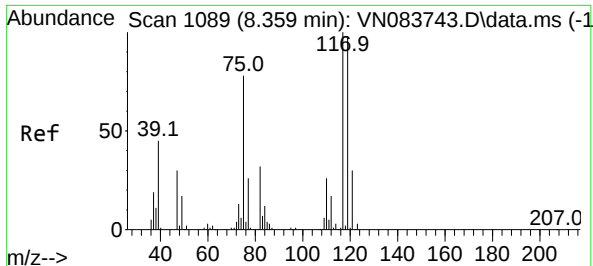
Ion Ratio Lower Upper

75 100

110 7.8 16.7 50.1#

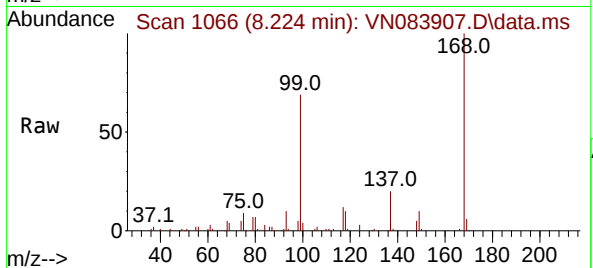
77 0.0 25.2 37.8#



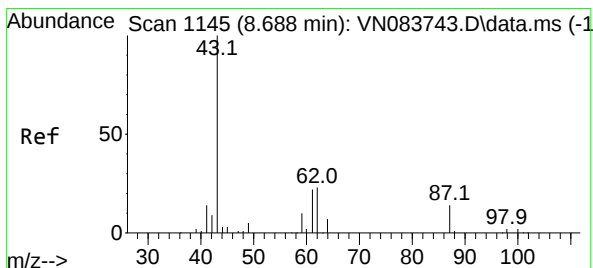
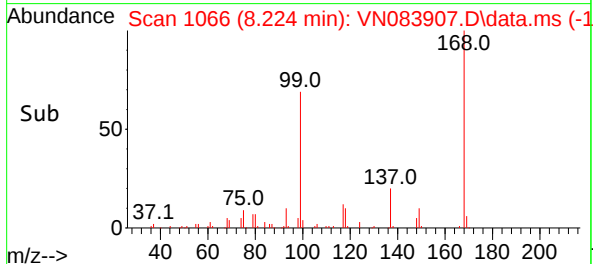
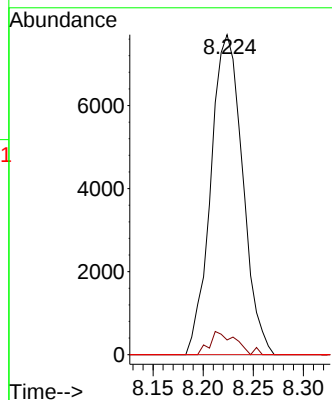


#38
Carbon Tetrachloride
Concen: 6.269 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Instrument :
MSVOA_N
ClientSampleId :

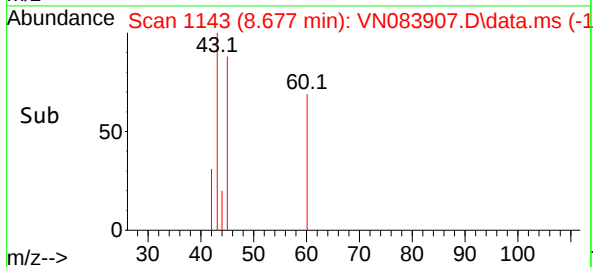
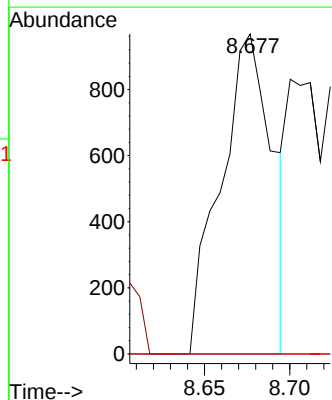
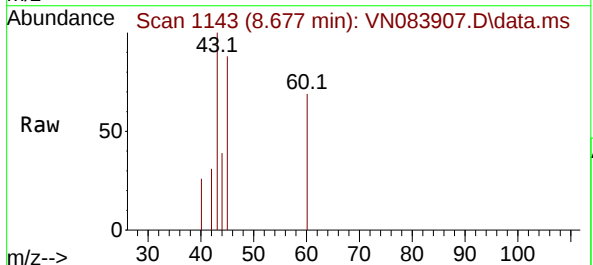


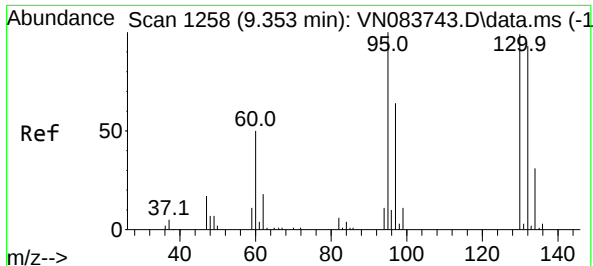
Tgt Ion: 117 Resp: 17034
Ion Ratio Lower Upper
117 100
119 4.6 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: 0.516 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 43 Resp: 2032
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

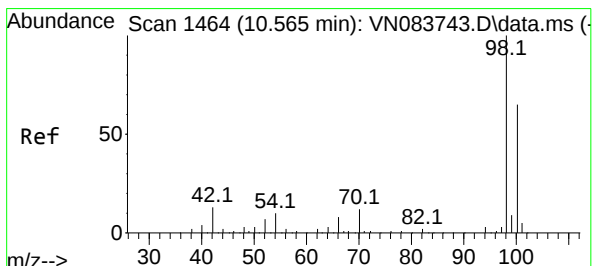
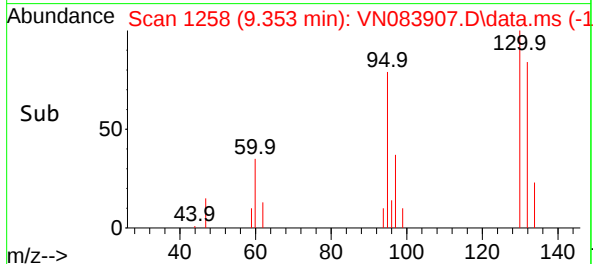
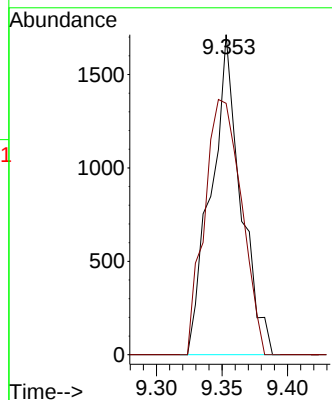
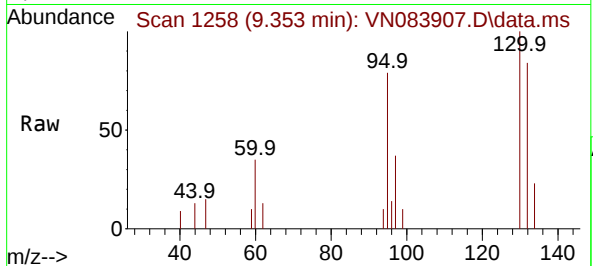




#44
Trichloroethene
Concen: 1.614 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

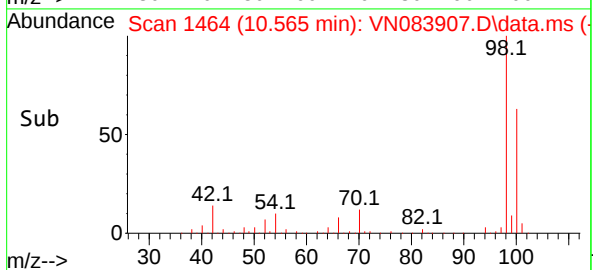
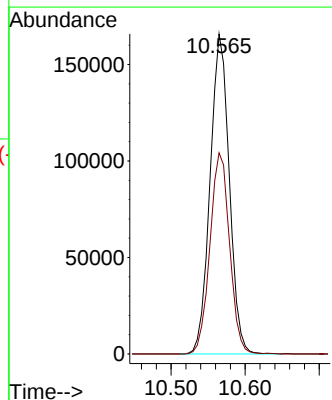
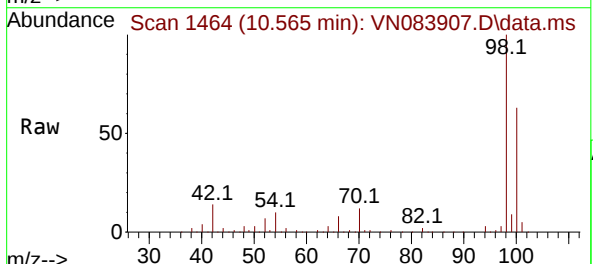
Instrument :
MSVOA_N
ClientSampleId :

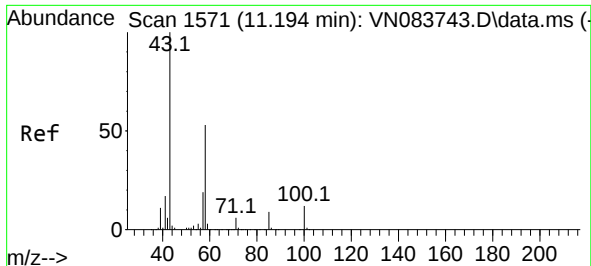
Tgt Ion:130 Resp: 2695
Ion Ratio Lower Upper
130 100
95 78.6 0.0 200.4



#50
Toluene-d8
Concen: 54.145 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 98 Resp: 297873
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

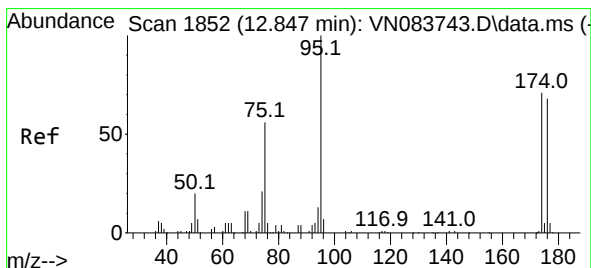
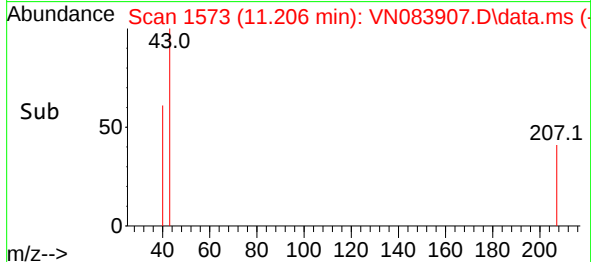
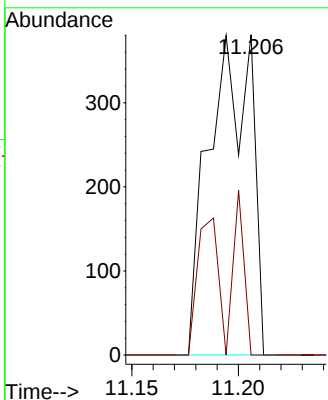
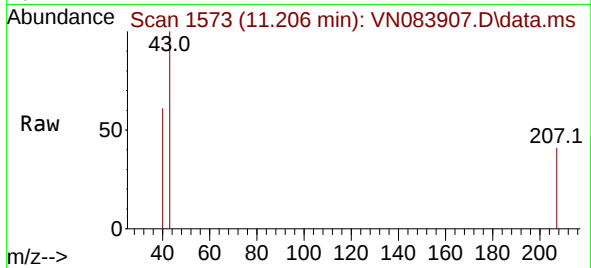




#59
2-Hexanone
Concen: 0.331 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.012 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

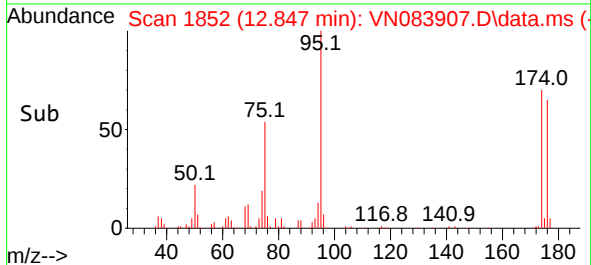
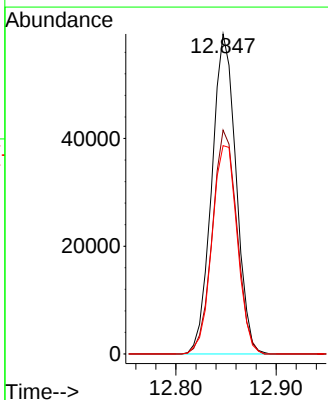
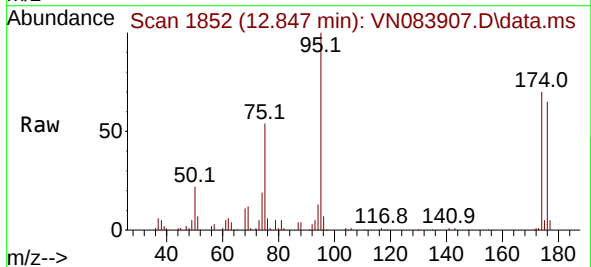
Instrument :
MSVOA_N
ClientSampleId :

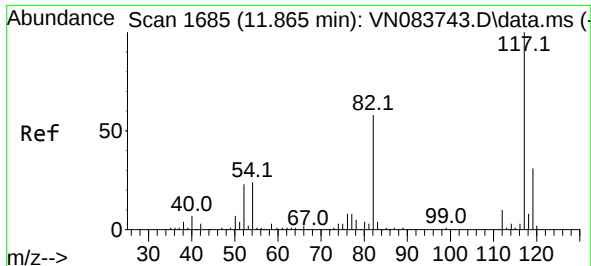
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 21.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 43.851 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 95 Resp: 99529
Ion Ratio Lower Upper
95 100
174 71.1 0.0 139.8
176 67.9 0.0 131.4

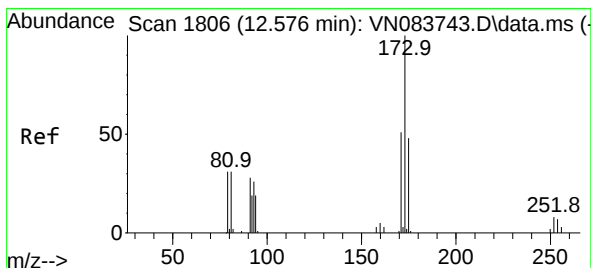
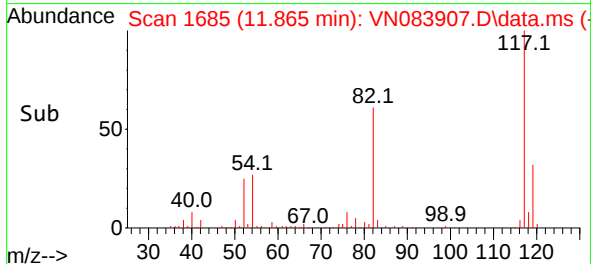
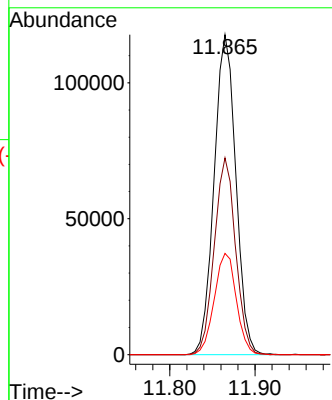
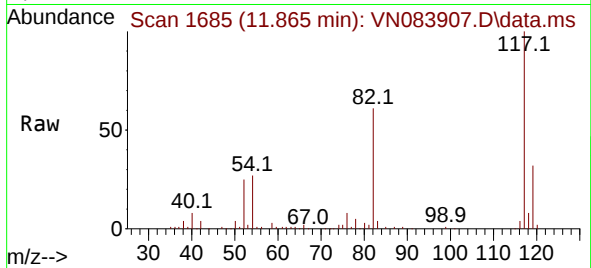




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

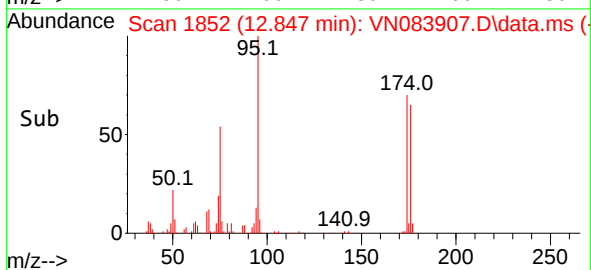
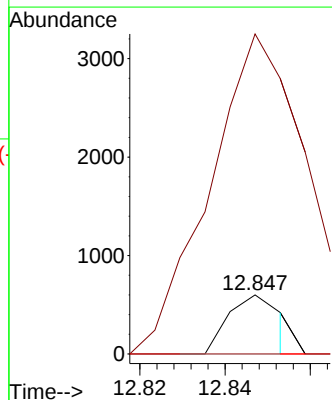
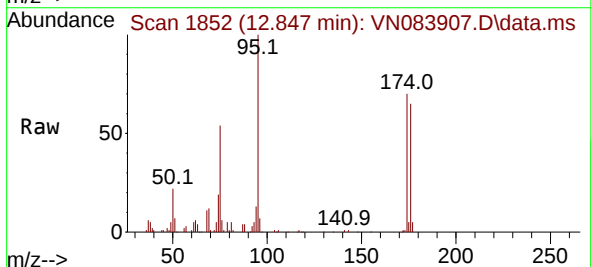
Instrument :
MSVOA_N
ClientSampleId :

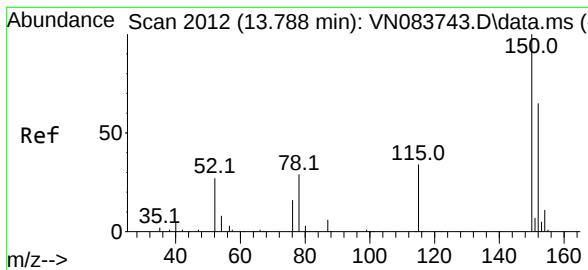
Tgt Ion:117 Resp: 209075
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.0
119 31.7 26.3 39.5



#71
Bromoform
Concen: 0.472 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

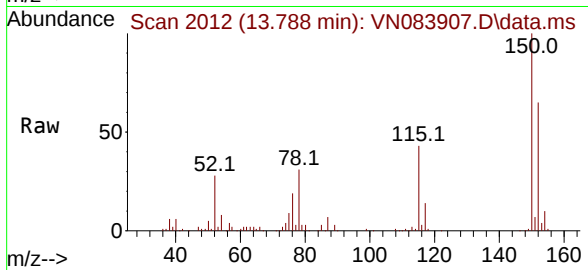
Tgt Ion:173 Resp: 512
Ion Ratio Lower Upper
173 100
175 773.4 24.1 72.2#
254 0.0 0.0 0.0



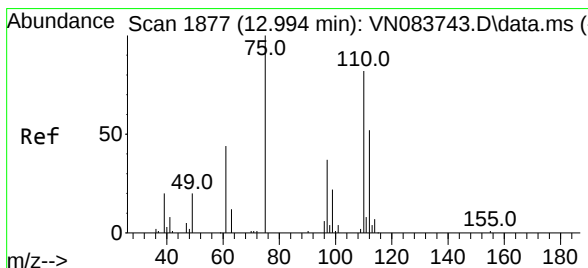
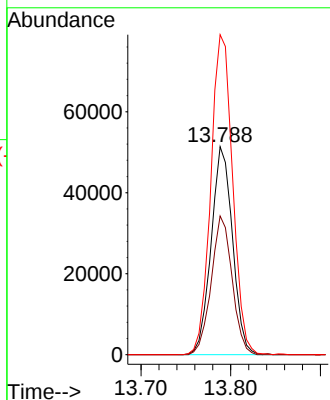
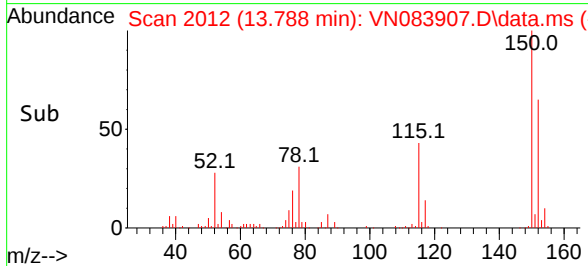


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN083907.D
 Acq: 16 Sep 2024 09:45

Instrument :
 MSVOA_N
 ClientSampleId :

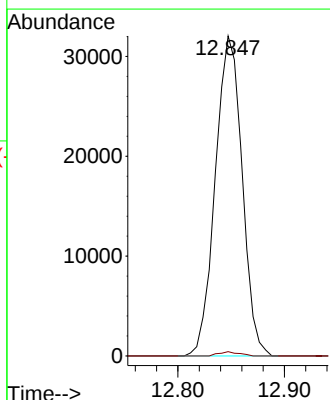
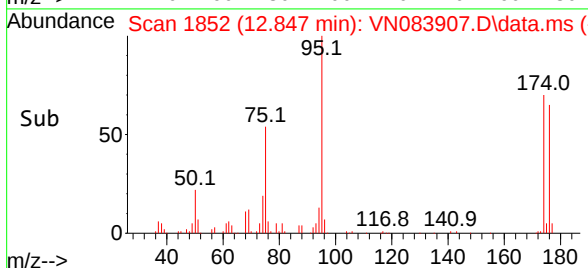
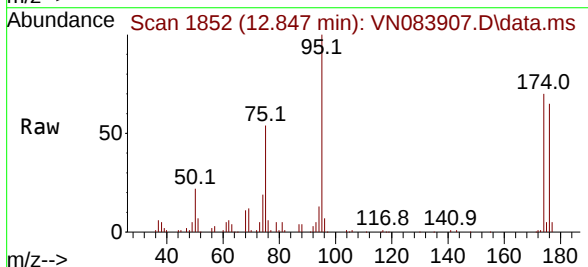


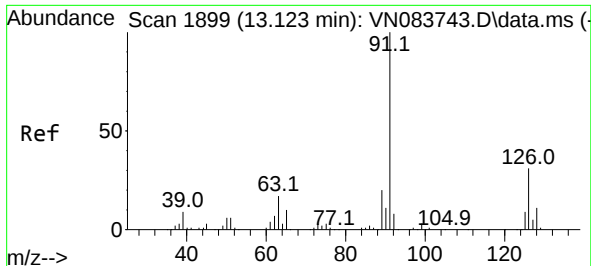
Tgt Ion:152 Resp: 85036
 Ion Ratio Lower Upper
 152 100
 115 65.0 32.2 96.6
 150 156.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.637 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083907.D
 Acq: 16 Sep 2024 09:45

Tgt Ion: 75 Resp: 56001
 Ion Ratio Lower Upper
 75 100
 77 1.0 95.2 285.6#

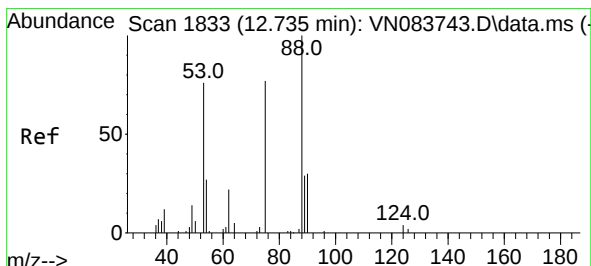
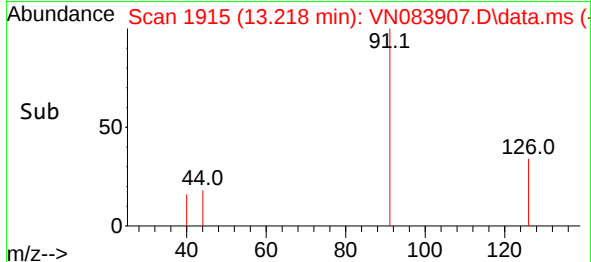
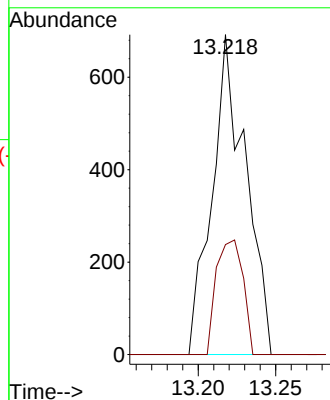
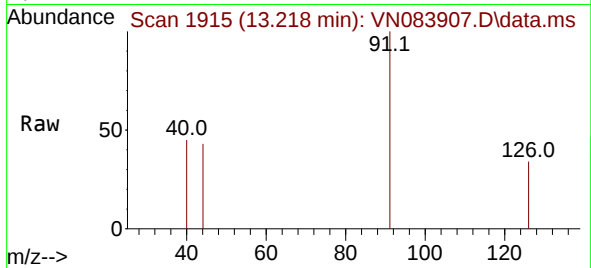




#79
2-Chlorotoluene
Concen: 0.214 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.094 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

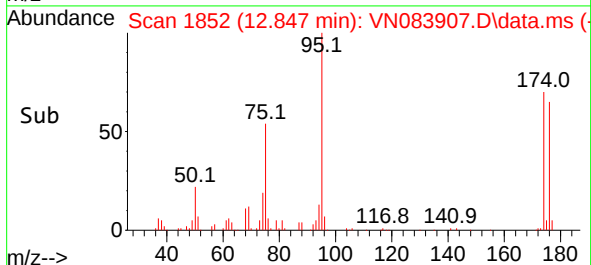
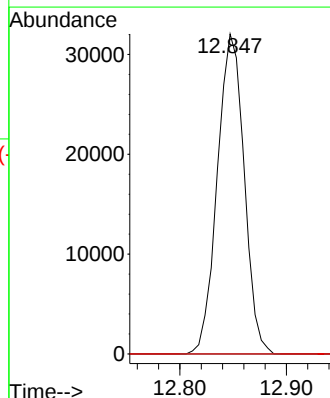
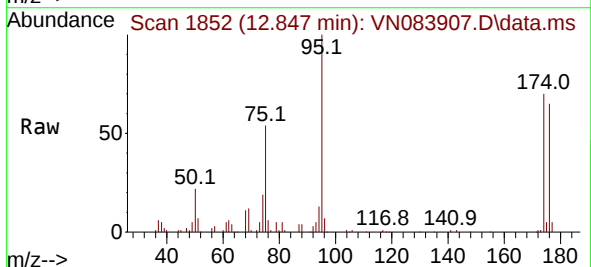
Instrument :
MSVOA_N
ClientSampleId :

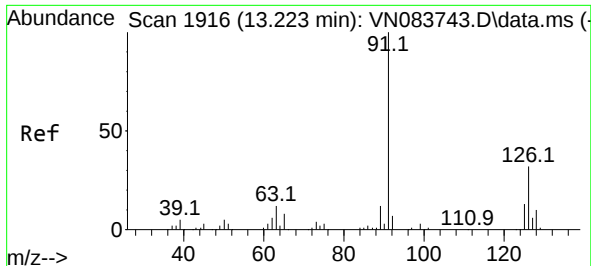
Tgt Ion: 91 Resp: 1043
Ion Ratio Lower Upper
91 100
126 28.5 15.4 46.2



#81
trans-1,4-Dichloro-2-butene
Concen: 85.480 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 75 Resp: 56001
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

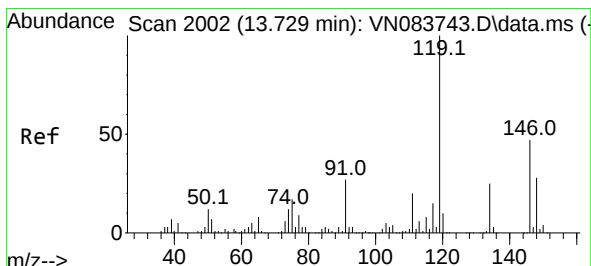
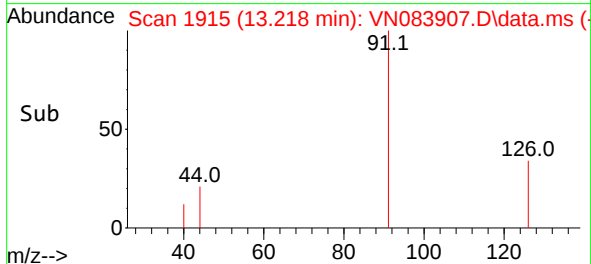
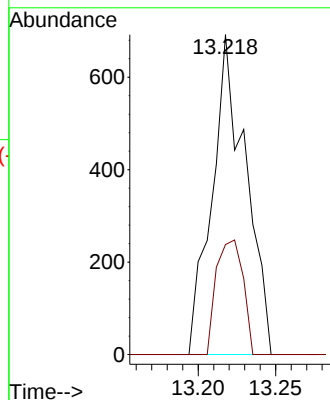
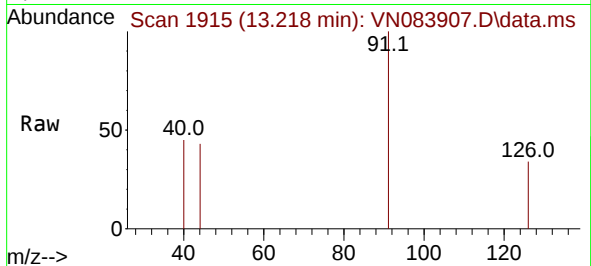




#82
4-Chlorotoluene
Concen: 0.213 ug/l
RT: 13.218 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

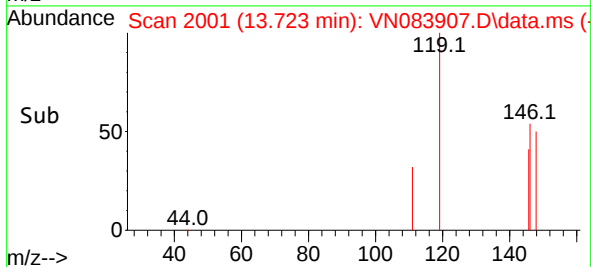
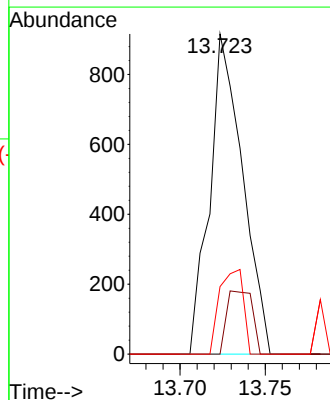
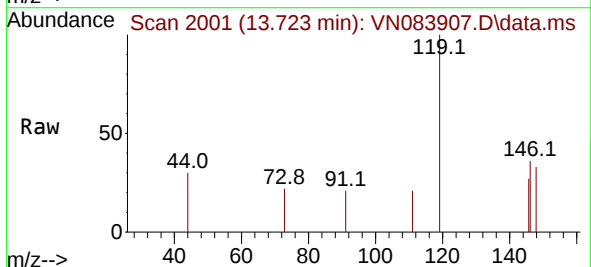
Instrument :
MSVOA_N
ClientSampleId :

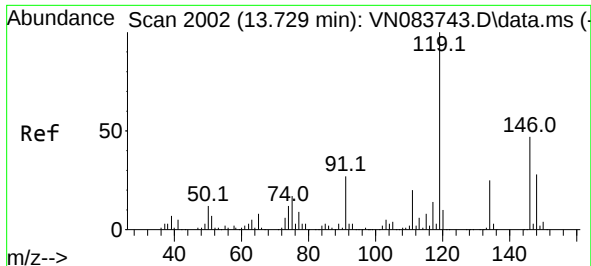
Tgt Ion: 91 Resp: 1043
Ion Ratio Lower Upper
91 100
126 28.5 15.4 46.2



#86
p-Isopropyltoluene
Concen: 0.228 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. -0.006 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 119 Resp: 1229
Ion Ratio Lower Upper
119 100
134 15.3 12.8 38.3
91 19.1 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 0.332 ug/l

RT: 13.735 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

Instrument :

MSVOA_N

ClientSampleId :

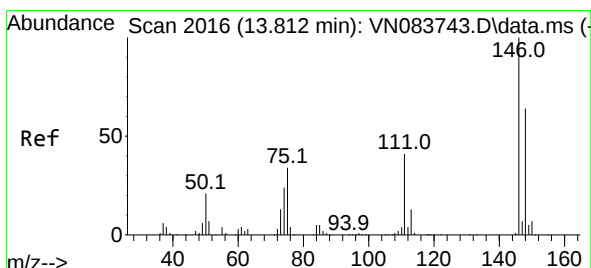
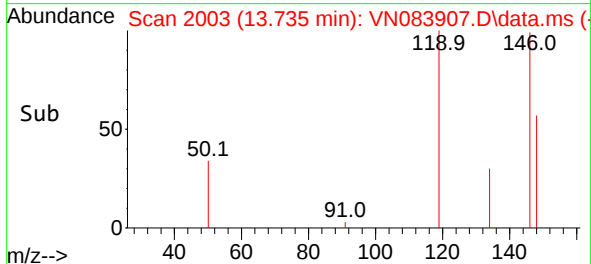
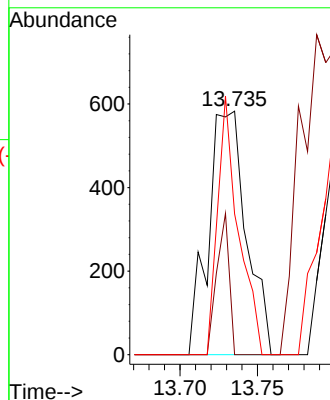
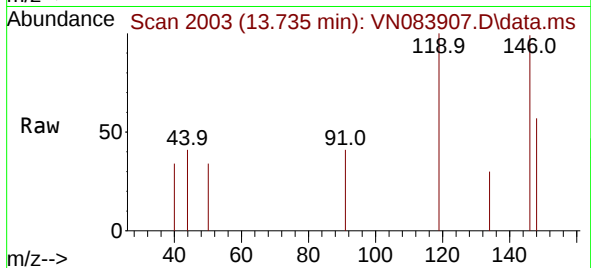
Tgt Ion:146 Resp: 993

Ion Ratio Lower Upper

146 100

111 18.9 21.7 65.1#

148 58.2 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.413 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.006 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

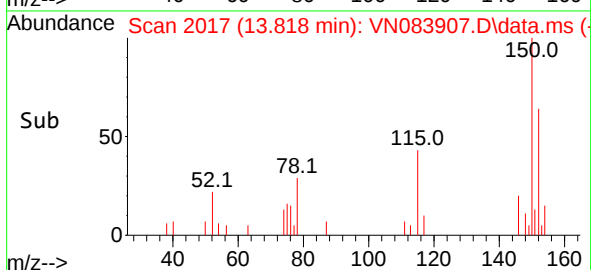
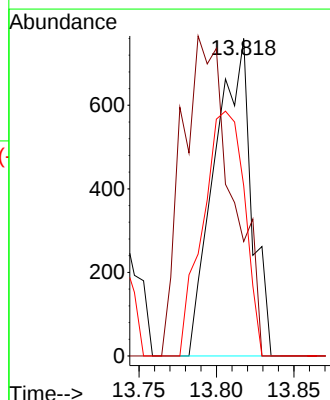
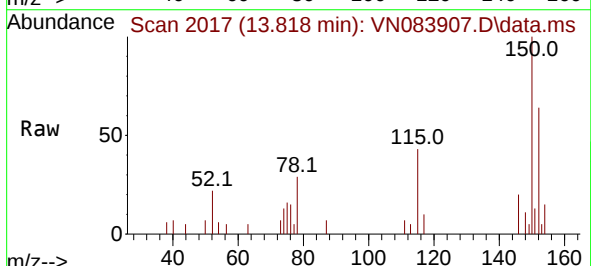
Tgt Ion:146 Resp: 1249

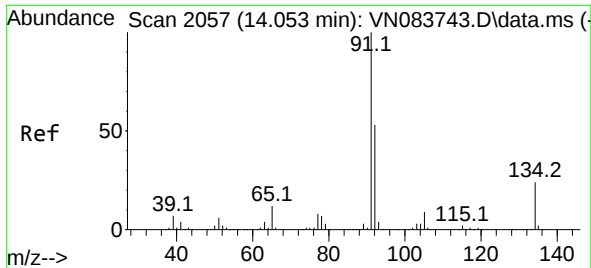
Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

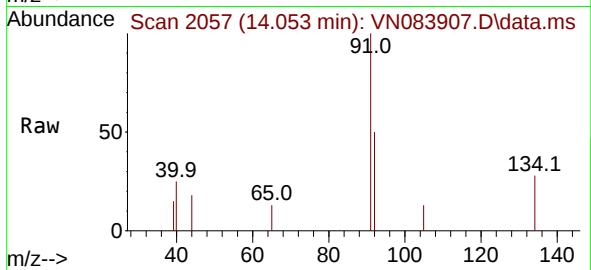
148 87.6 32.0 96.2





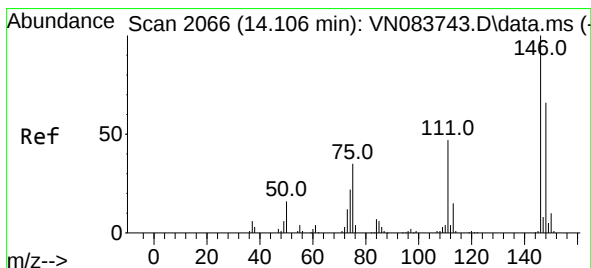
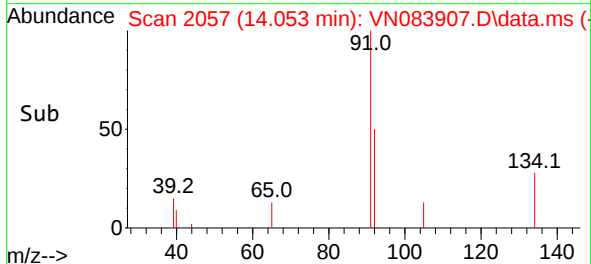
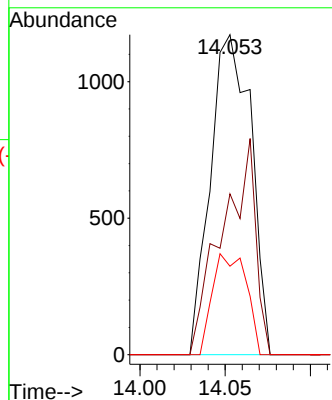
#89
n-Butylbenzene
Concen: 0.402 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 91 Resp: 1945

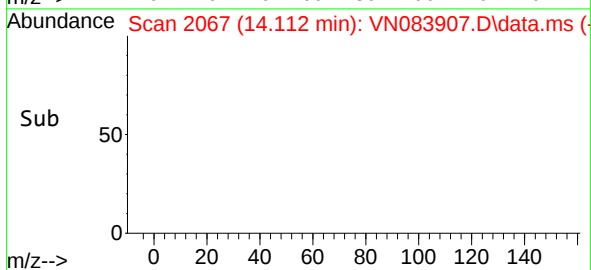
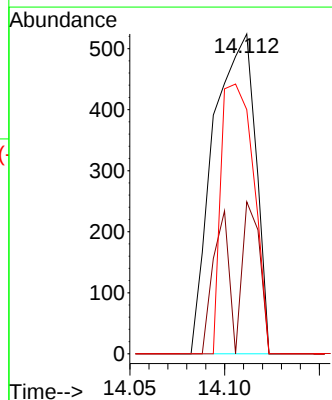
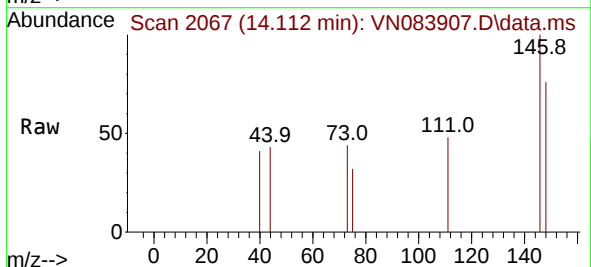
Ion	Ratio	Lower	Upper
91	100		
92	55.5	26.7	80.1
134	26.3	12.2	36.4

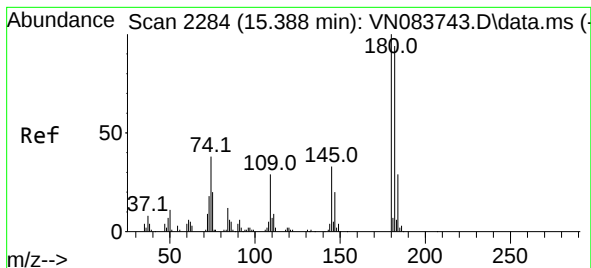


#91
1,2-Dichlorobenzene
Concen: 0.282 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion: 146 Resp: 812

Ion	Ratio	Lower	Upper
146	100		
111	19.6	22.8	68.3#
148	65.1	32.1	96.5





#93

1,2,4-Trichlorobenzene

Concen: 1.124 ug/l

RT: 15.388 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

Instrument :

MSVOA_N

ClientSampleId :

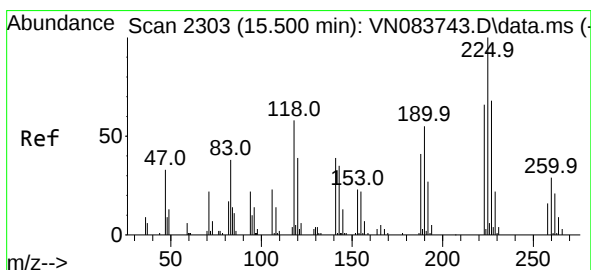
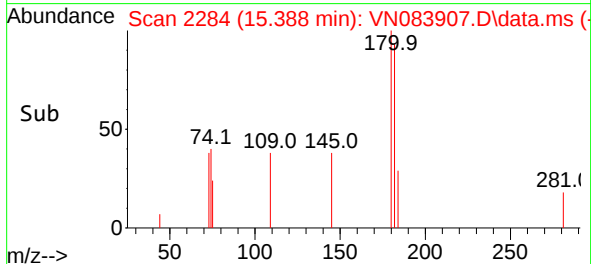
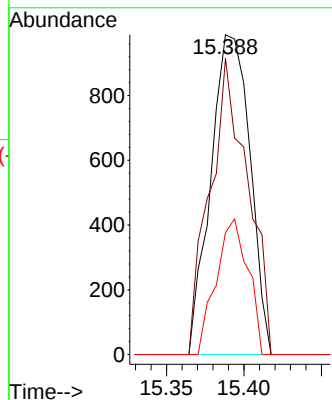
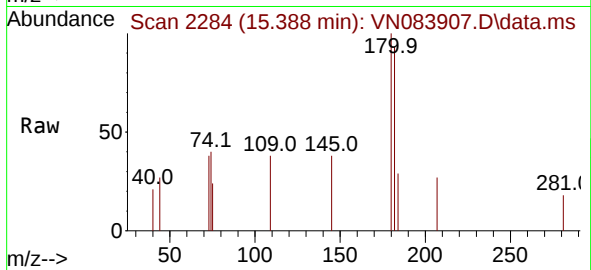
Tgt Ion:180 Resp: 1740

Ion Ratio Lower Upper

180 100

182 89.4 48.1 144.3

145 34.4 16.9 50.7



#94

Hexachlorobutadiene

Concen: 1.394 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN083907.D

Acq: 16 Sep 2024 09:45

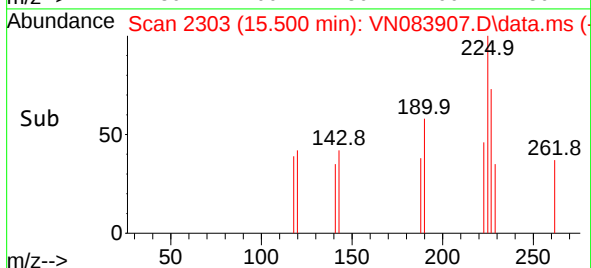
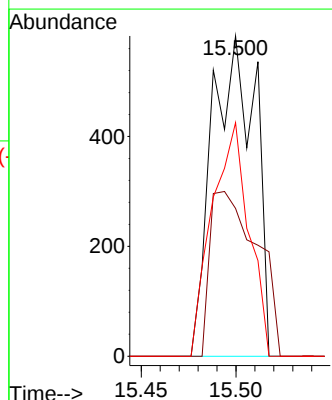
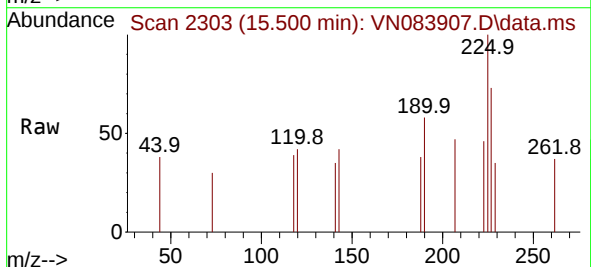
Tgt Ion:225 Resp: 916

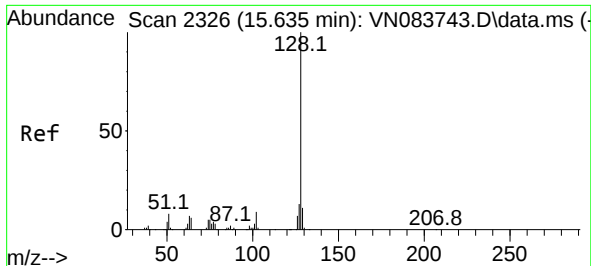
Ion Ratio Lower Upper

225 100

223 56.6 31.9 95.5

227 62.8 32.0 96.2

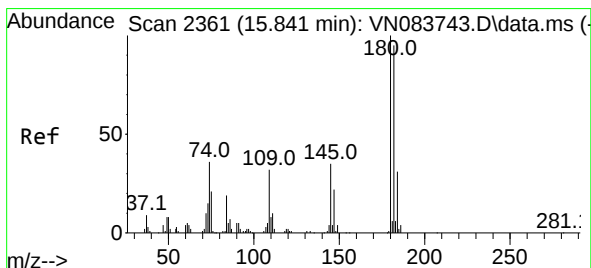
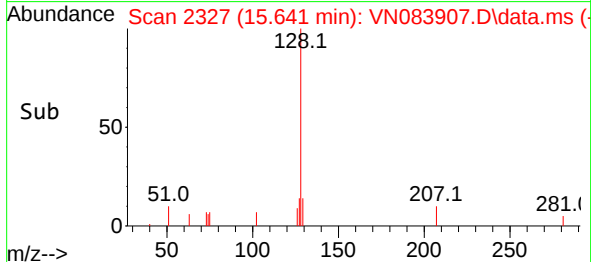
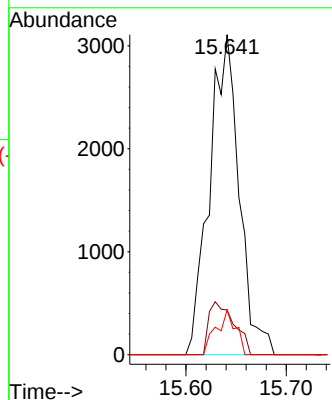
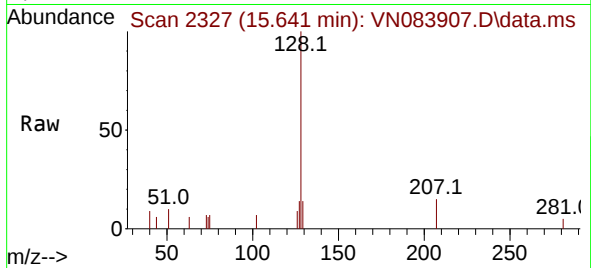




#95
Naphthalene
Concen: 1.361 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6411
Ion Ratio Lower Upper
128 100
127 14.1 10.2 15.2
129 9.1 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.428 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN083907.D
Acq: 16 Sep 2024 09:45

Tgt Ion:180 Resp: 2112
Ion Ratio Lower Upper
180 100
182 97.3 47.1 141.4
145 43.4 17.8 53.5

