

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083666.D
 Acq On : 05 Sep 2024 11:06
 Operator : JC\MD
 Sample : VN0905WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 02:12:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

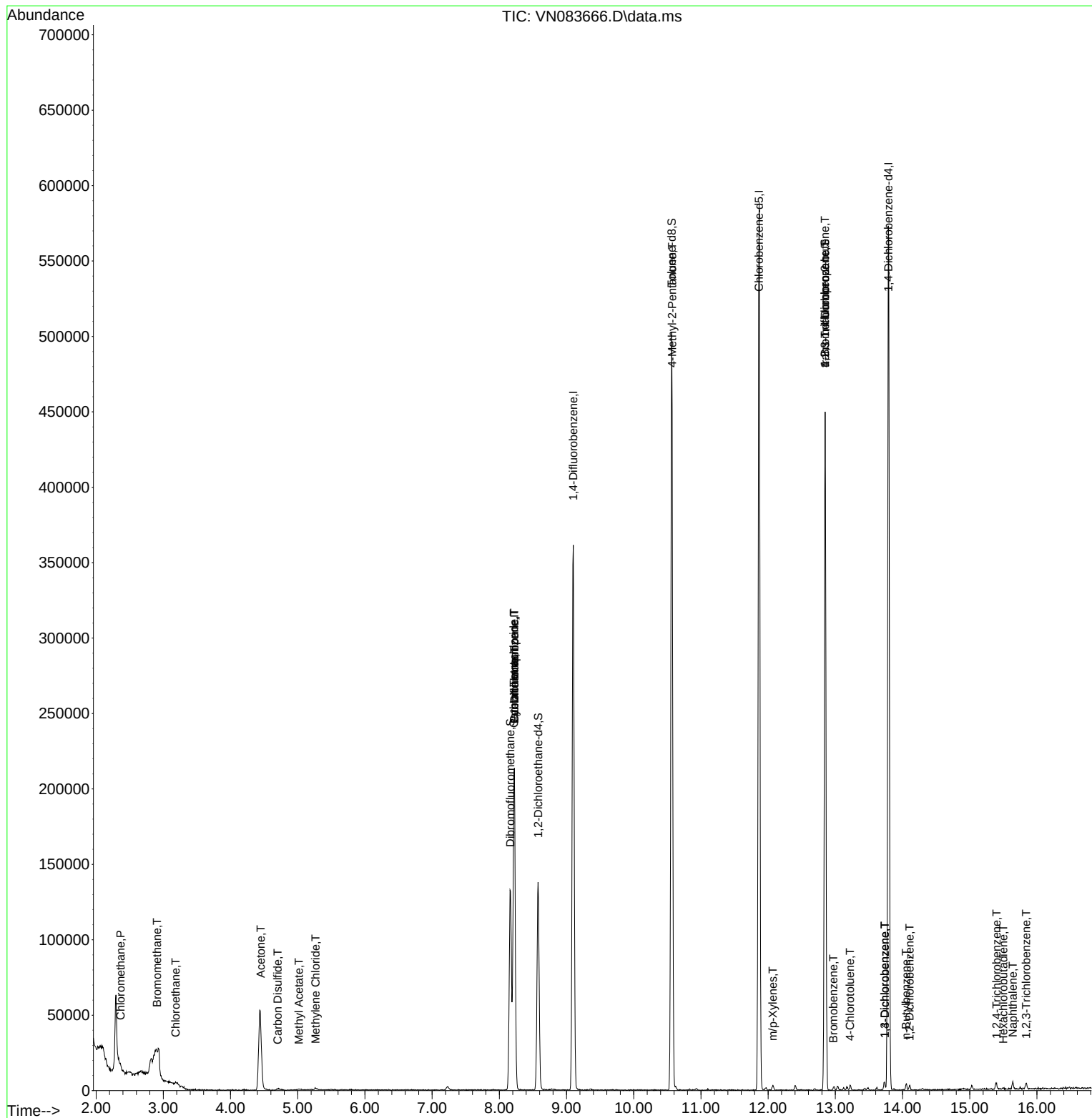
Internal Standards						
1) Pentafluorobenzene	8.224	168	147834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	322225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	150107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116862	56.561	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.120%
35) Dibromofluoromethane	8.165	113	94405	51.703	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.400%
50) Toluene-d8	10.565	98	338892	47.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.320%
62) 4-Bromofluorobenzene	12.847	95	156107	59.266	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	118.540%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	2520	1.383	ug/l #	86
5) Bromomethane	2.906	94	480	0.501	ug/l	81
6) Chloroethane	3.183	64	4804	4.030	ug/l #	45
16) Acetone	4.448	43	2184	2.651	ug/l #	45
17) Carbon Disulfide	4.700	76	1663	0.352	ug/l #	75
18) Methyl Acetate	5.018	43	687	0.314	ug/l #	52
20) Methylene Chloride	5.265	84	573	0.315	ug/l #	81
31) Cyclohexane	8.224	56	3689	1.154	ug/l #	2
36) 1,1-Dichloropropene	8.224	75	13274	4.766	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17850	5.617	ug/l #	16
43) Isopropyl Acetate	8.671	43	189	Below Cal	#	57
51) 4-Methyl-2-Pentanone	10.571	43	1425	0.553	ug/l #	1
68) m/p-Xylenes	12.071	106	1172	0.241	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	86258	28.462	ug/l #	1
77) Bromobenzene	12.971	156	587	0.206	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.847	75	86258	67.130	ug/l #	9
82) 4-Chlorotoluene	13.218	91	2490	0.269	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	1793	0.324	ug/l	99
88) 1,4-Dichlorobenzene	13.735	146	1793	0.315	ug/l	98
89) n-Butylbenzene	14.053	91	2400	0.270	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	1437	0.270	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	1627	0.538	ug/l	89
94) Hexachlorobutadiene	15.500	225	411	0.340	ug/l #	54
95) Naphthalene	15.641	128	4516	0.465	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1460	0.484	ug/l	94

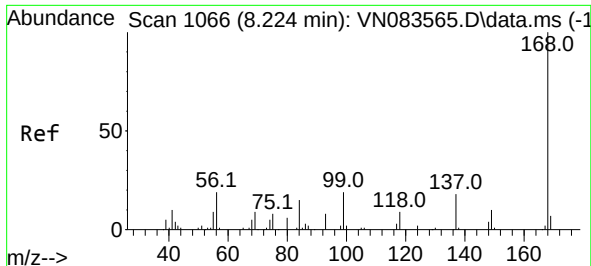
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0905WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

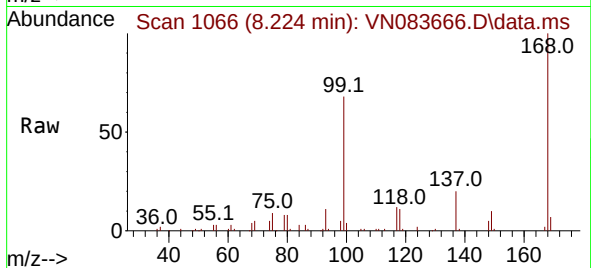
Quant Time: Sep 06 02:12:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration



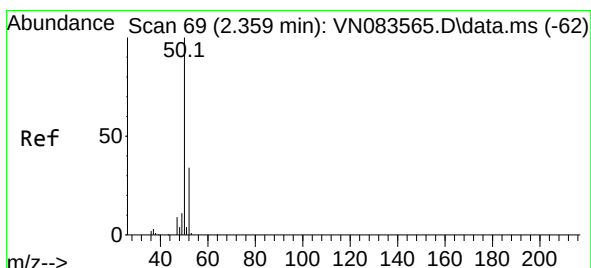
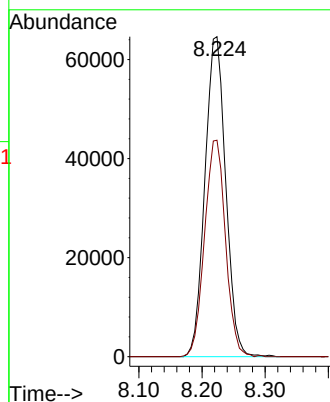
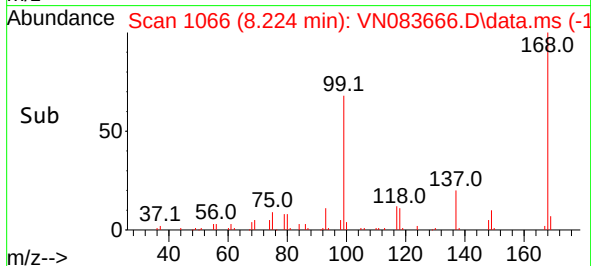


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Instrument :
MSVOA_N
ClientSampleId :

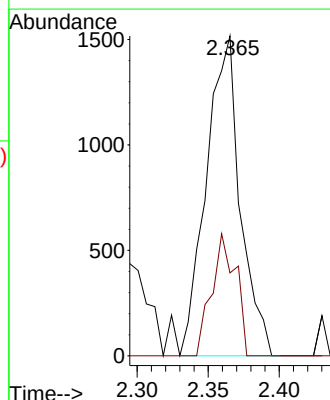
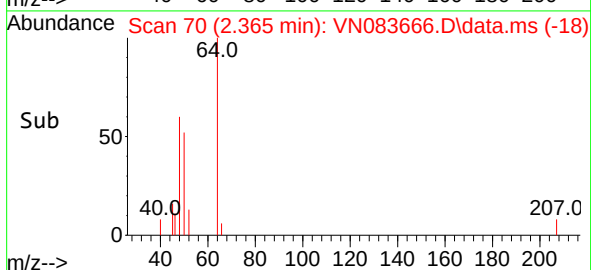
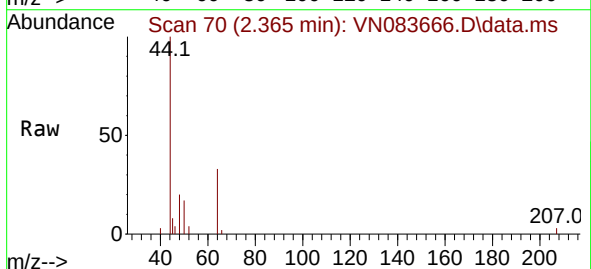


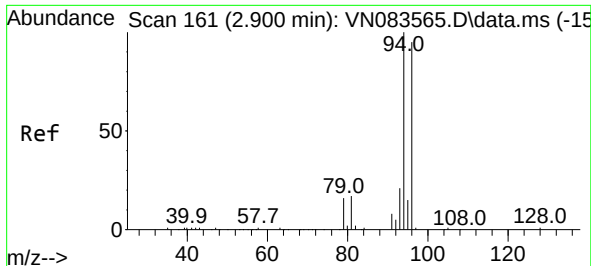
Tgt Ion:168 Resp: 147834
Ion Ratio Lower Upper
168 100
99 67.6 54.2 81.2



#3
Chloromethane
Concen: 1.383 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 50 Resp: 2520
Ion Ratio Lower Upper
50 100
52 25.9 27.2 40.8#

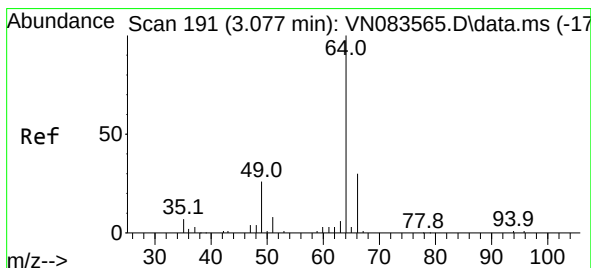
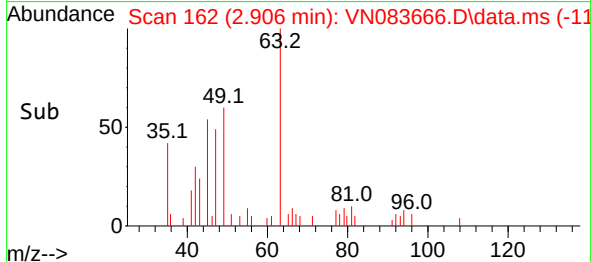
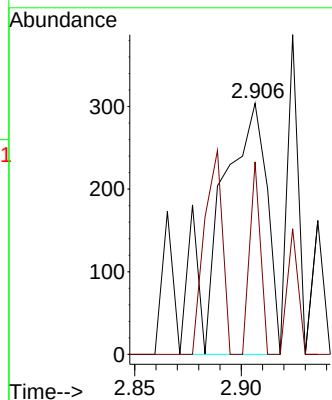
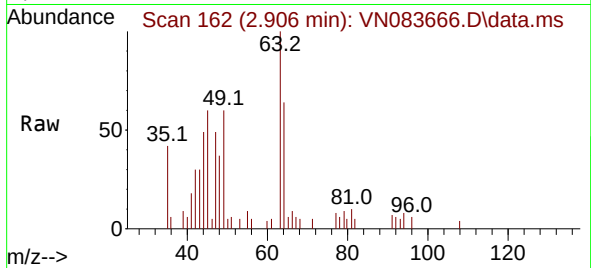




#5
Bromomethane
Concen: 0.501 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

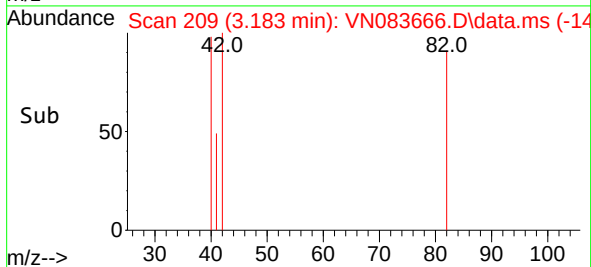
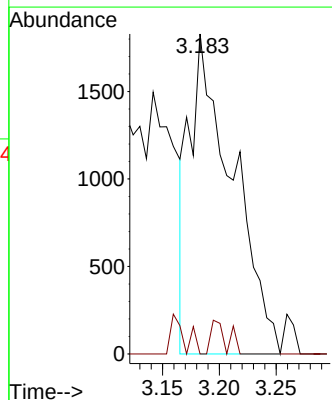
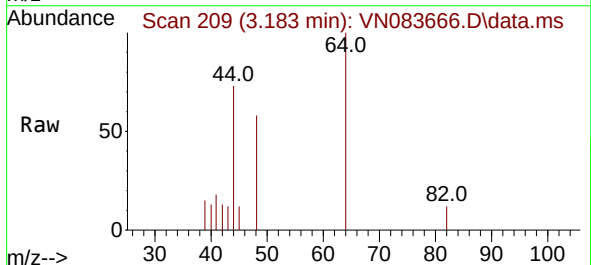
Instrument :
MSVOA_N
ClientSampleId :

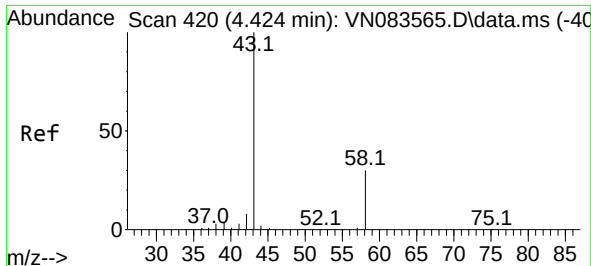
Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 76.6 76.0 114.0



#6
Chloroethane
Concen: 4.030 ug/l
RT: 3.183 min Scan# 209
Delta R.T. 0.106 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 64 Resp: 4804
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

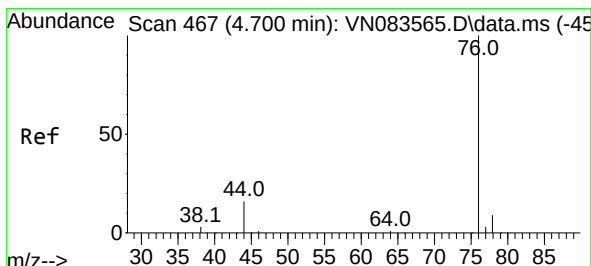
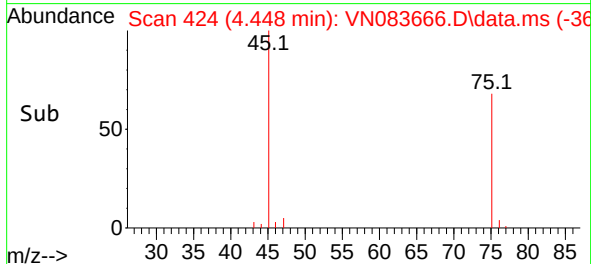
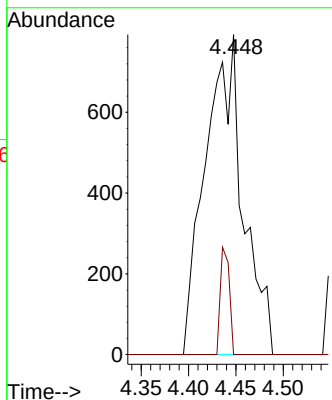
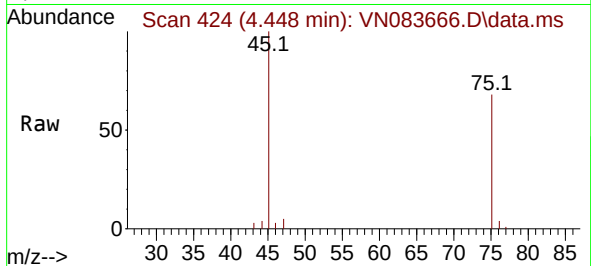




#16
Acetone
Concen: 2.651 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

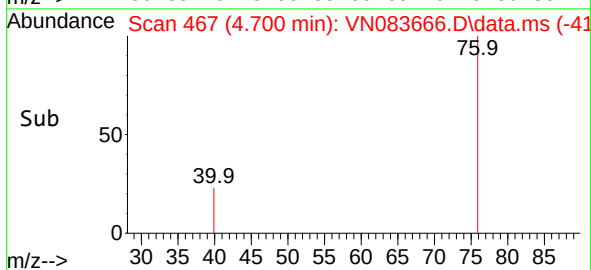
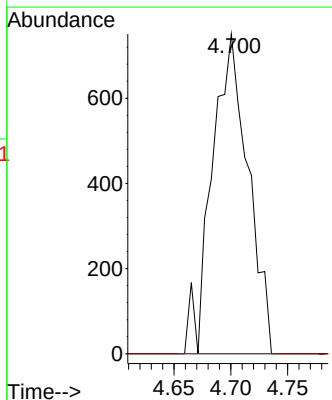
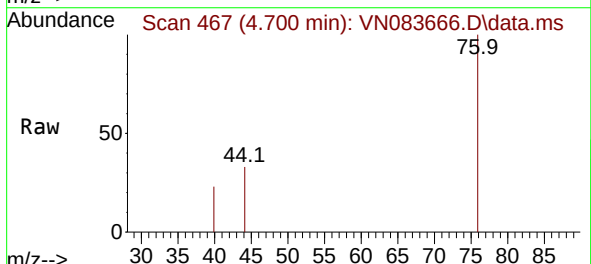
Instrument :
MSVOA_N
ClientSampleId :

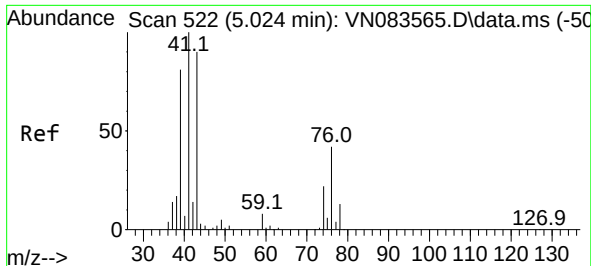
Tgt Ion: 43 Resp: 2184
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#17
Carbon Disulfide
Concen: 0.352 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

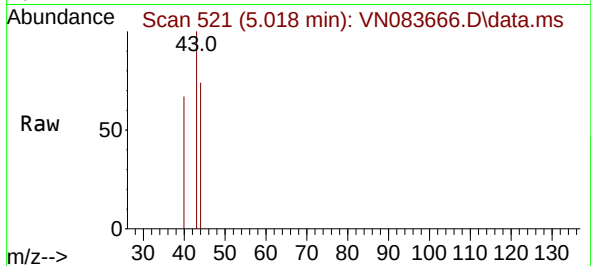
Tgt Ion: 76 Resp: 1663
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



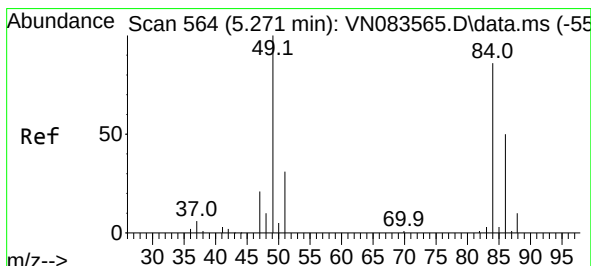
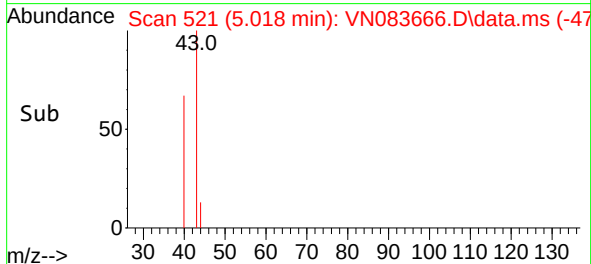
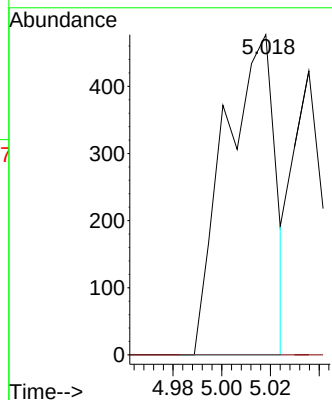


#18
Methyl Acetate
Concen: 0.314 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Instrument :
MSVOA_N
ClientSampleId :

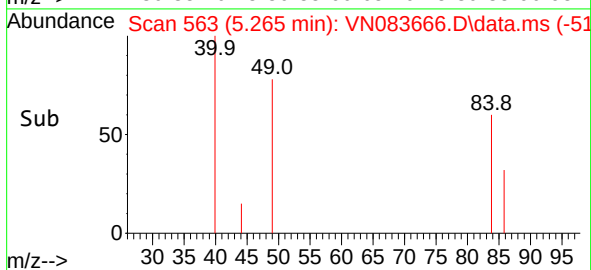
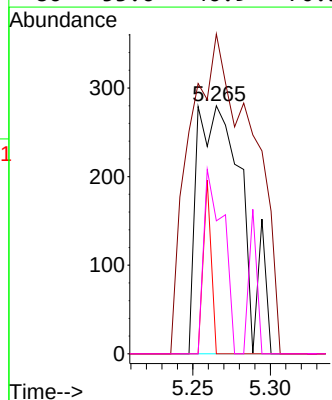
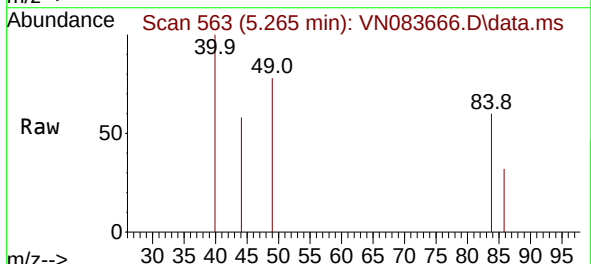


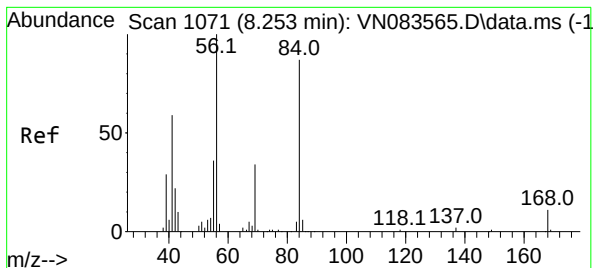
Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#20
Methylene Chloride
Concen: 0.315 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 84 Resp: 573
Ion Ratio Lower Upper
84 100
49 128.9 93.4 140.0
51 0.0 29.2 43.8#
86 53.6 46.9 70.3





#31

Cyclohexane

Concen: 1.154 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

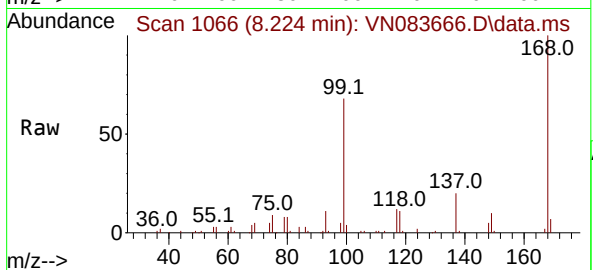
Lab File: VN083666.D

Acq: 05 Sep 2024 11:06

Instrument :

MSVOA_N

ClientSampleId :



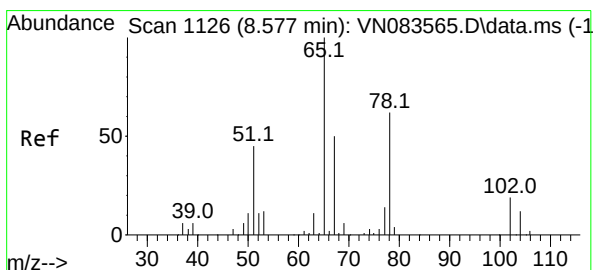
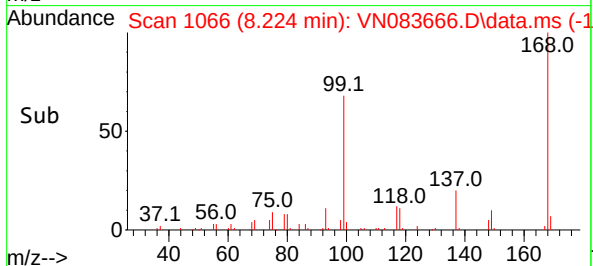
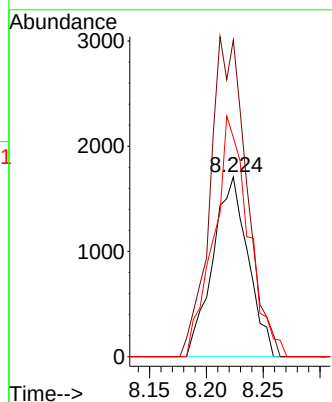
Tgt Ion: 56 Resp: 3689

Ion Ratio Lower Upper

56 100

69 176.3 26.9 40.3#

84 122.0 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 56.561 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083666.D

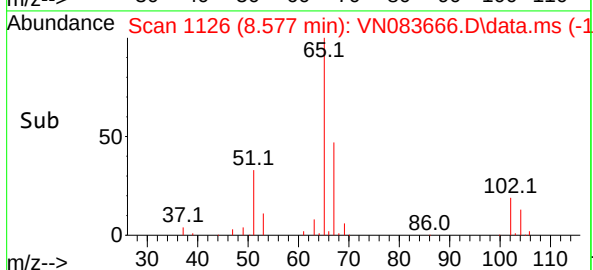
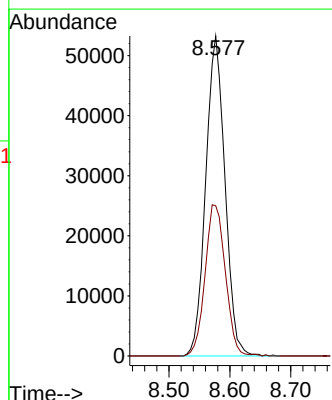
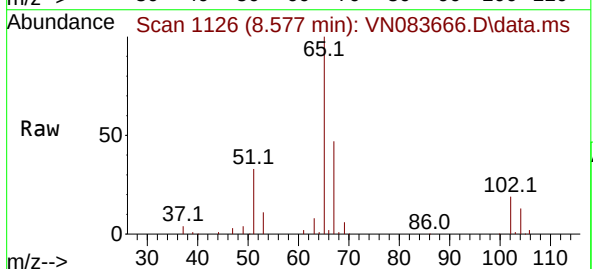
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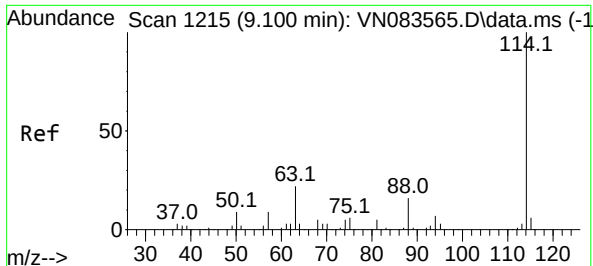
Tgt Ion: 65 Resp: 116862

Ion Ratio Lower Upper

65 100

67 50.0 0.0 100.8

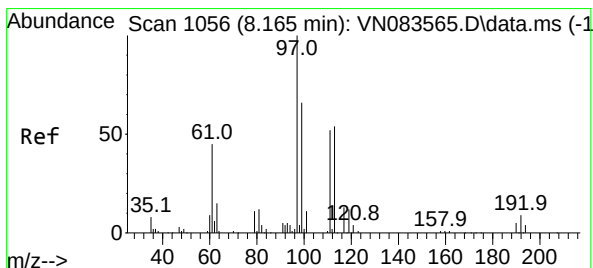
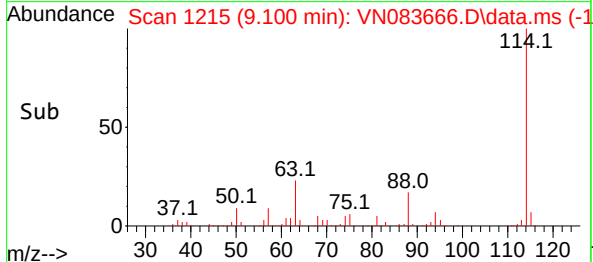
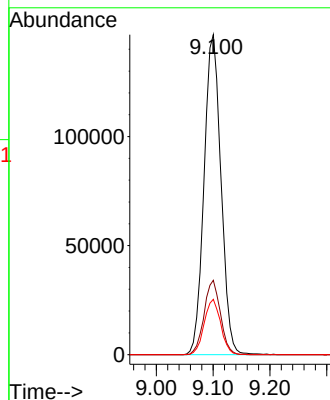
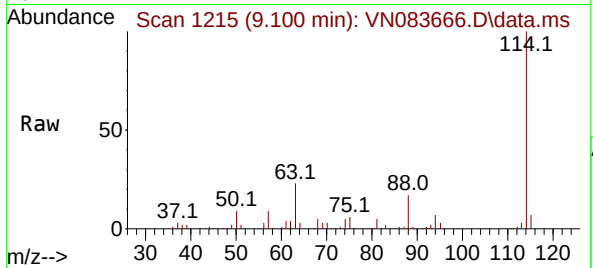




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

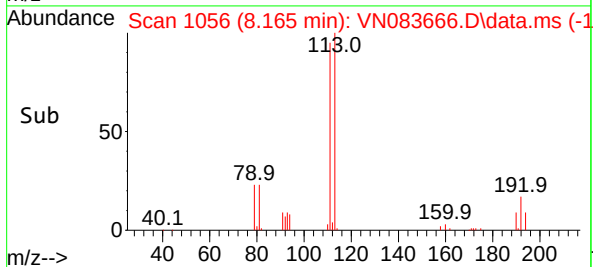
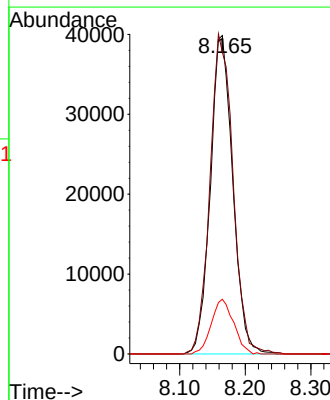
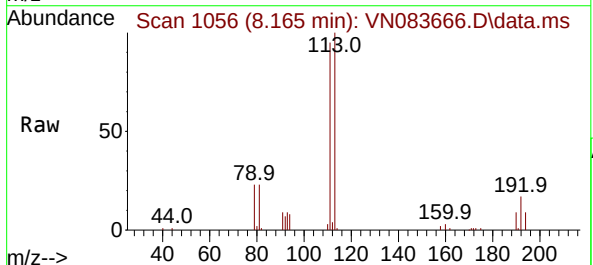
Instrument :
MSVOA_N
ClientSampleId :

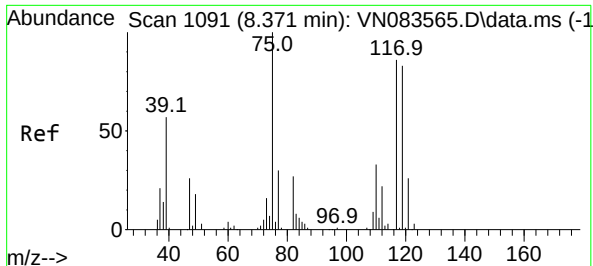
Tgt Ion:114 Resp: 303366
Ion Ratio Lower Upper
114 100
63 23.2 0.0 43.4
88 17.3 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.703 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion:113 Resp: 94405
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 17.2 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.766 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

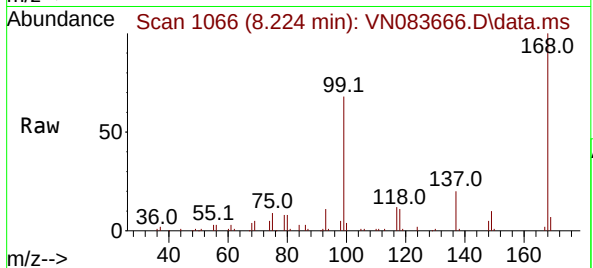
Lab File: VN083666.D

Acq: 05 Sep 2024 11:06

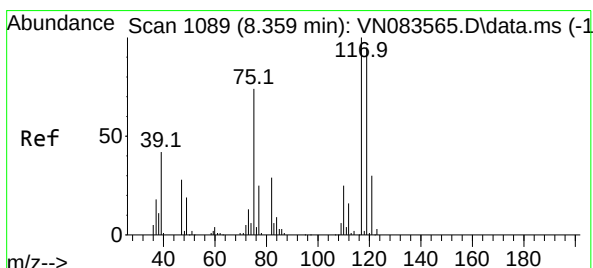
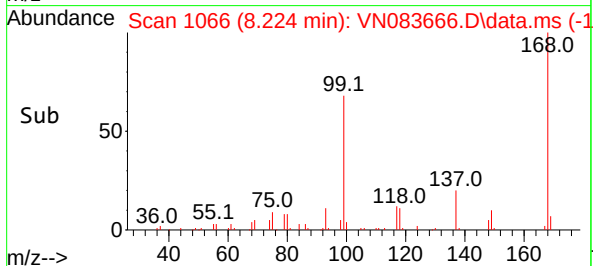
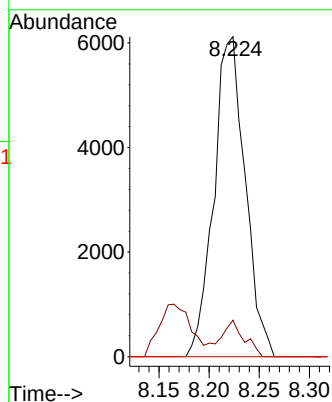
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 13274
Ion Ratio	Lower Upper
75	100
110	7.5 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.617 ug/l

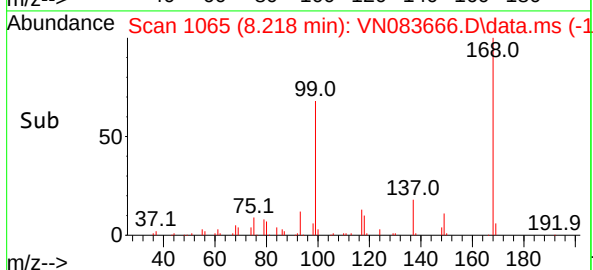
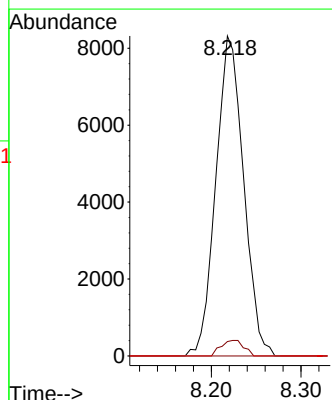
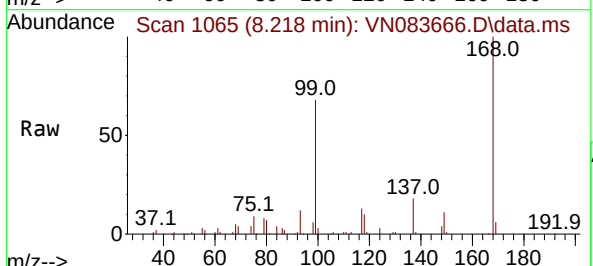
RT: 8.218 min Scan# 1065

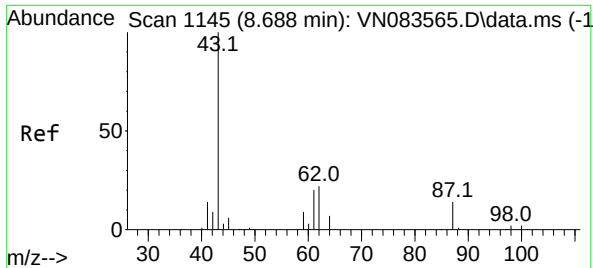
Delta R.T. -0.141 min

Lab File: VN083666.D

Acq: 05 Sep 2024 11:06

Tgt Ion: 117	Resp: 17850
Ion Ratio	Lower Upper
117	100
119	4.5 76.1 114.1#
121	0.0 24.1 36.1#

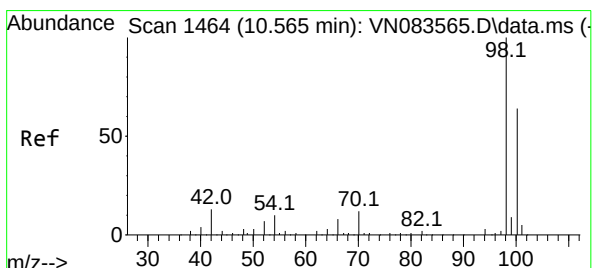
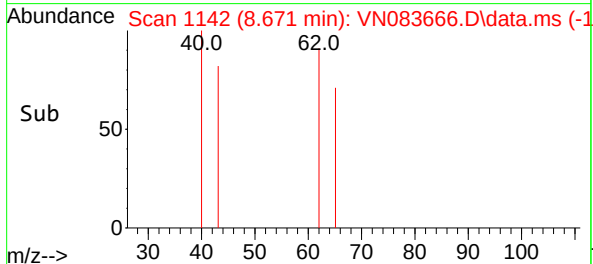
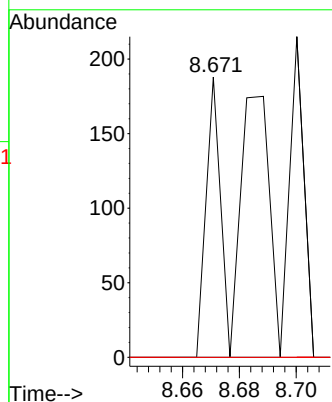
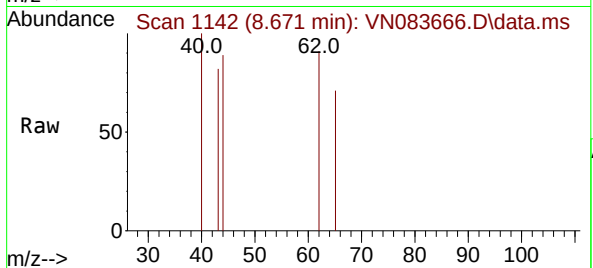




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.017 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

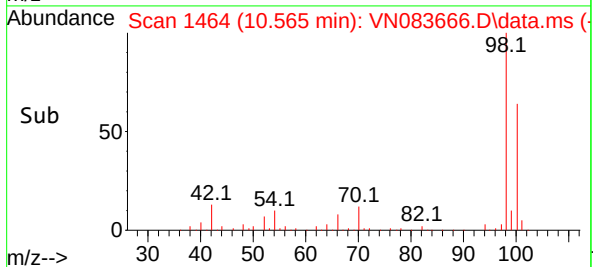
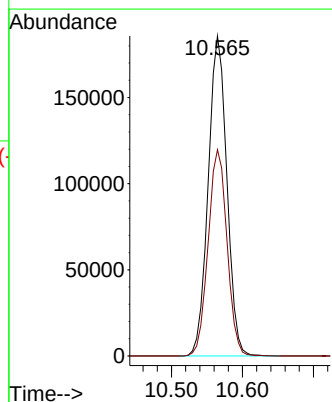
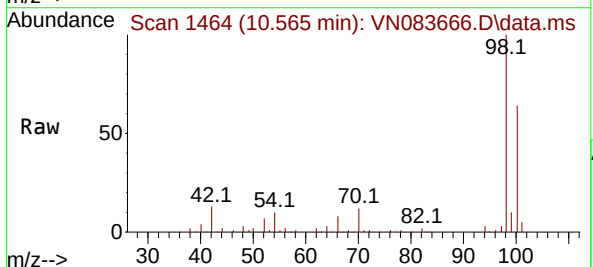
Instrument :
MSVOA_N
ClientSampleId :

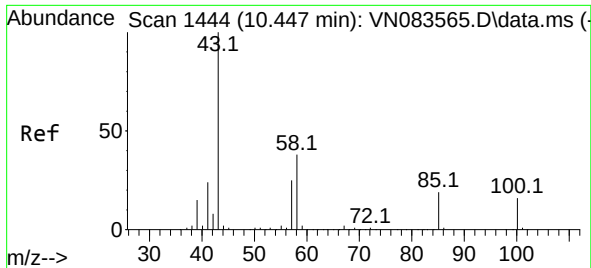
Tgt Ion: 43 Resp: 189
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 47.662 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 98 Resp: 338892
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

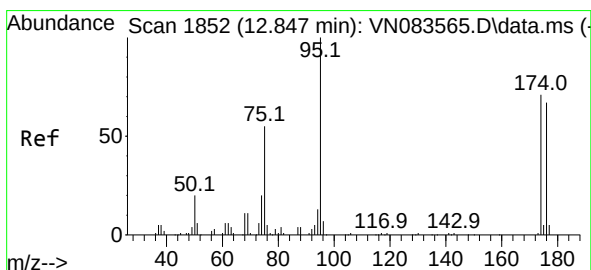
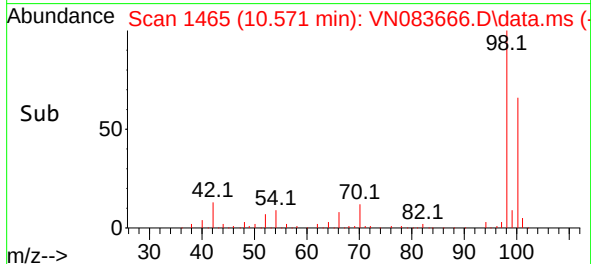
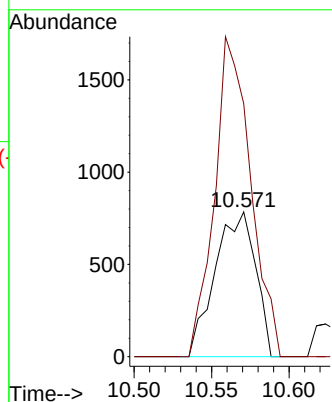
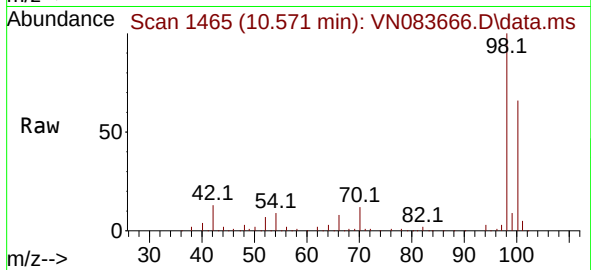




#51
4-Methyl-2-Pentanone
Concen: 0.553 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

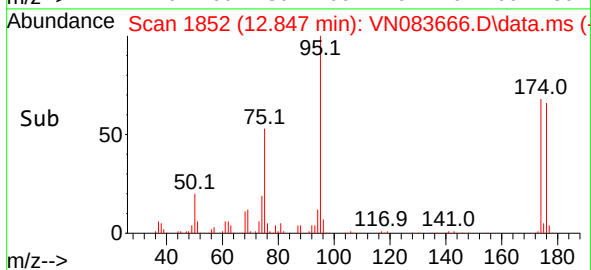
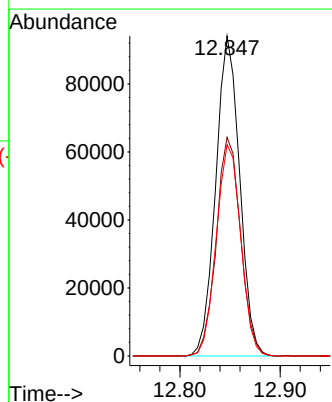
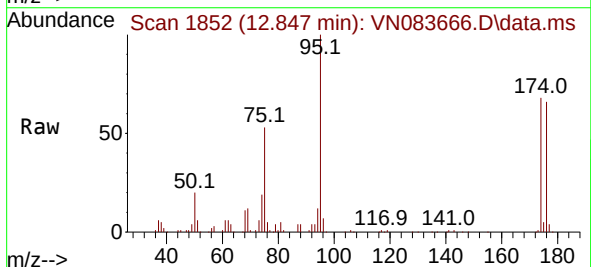
Instrument :
MSVOA_N
ClientSampleId :

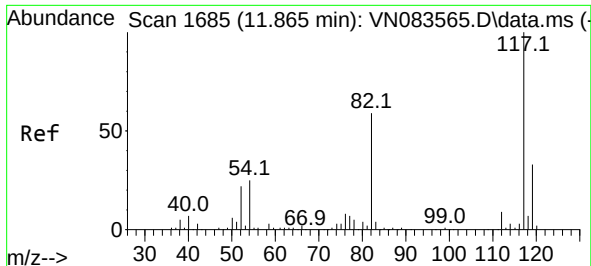
Tgt Ion: 43 Resp: 1425
Ion Ratio Lower Upper
43 100
58 197.3 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 59.266 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 95 Resp: 156107
Ion Ratio Lower Upper
95 100
174 69.1 0.0 139.8
176 67.5 0.0 131.4

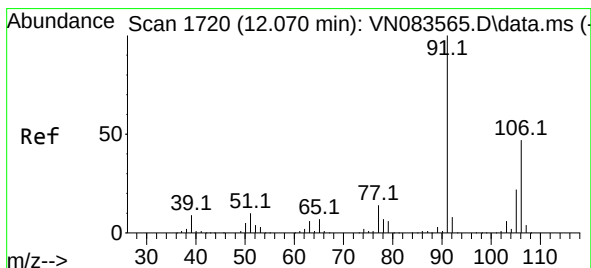
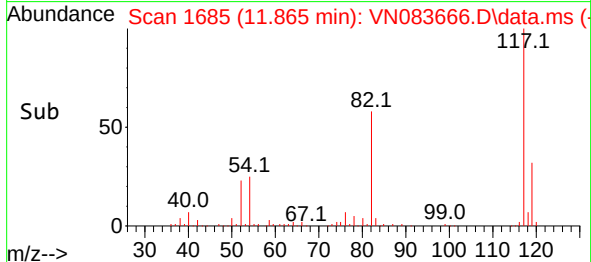
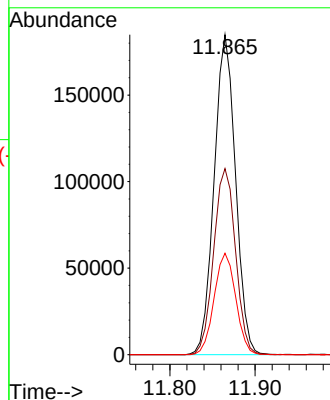
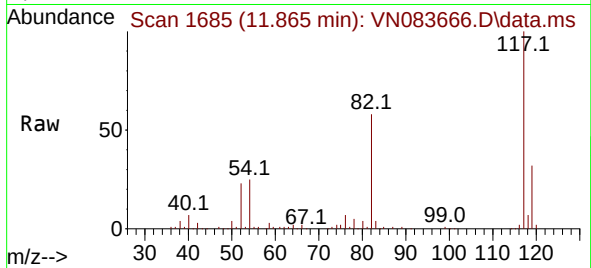




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

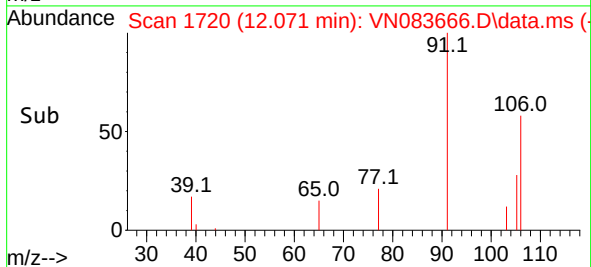
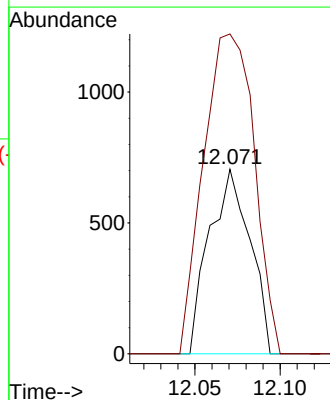
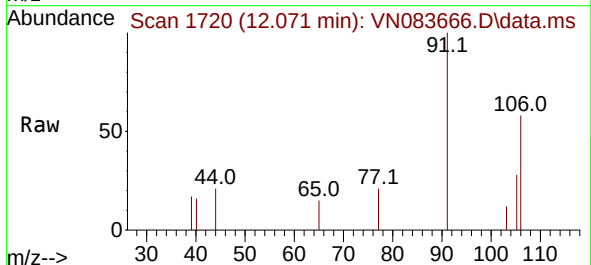
Instrument :
MSVOA_N
ClientSampleId :

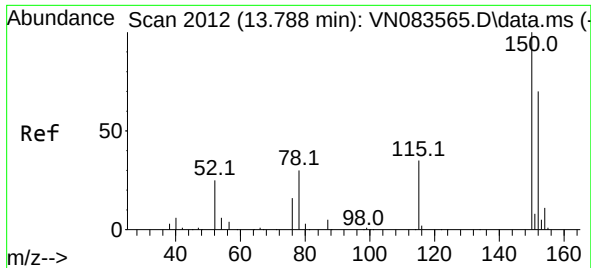
Tgt Ion:117 Resp: 322225
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.0
119 31.7 26.3 39.5



#68
m/p-Xylenes
Concen: 0.241 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion:106 Resp: 1172
Ion Ratio Lower Upper
106 100
91 215.9 169.2 253.8

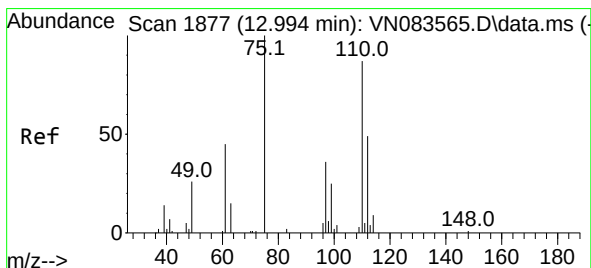
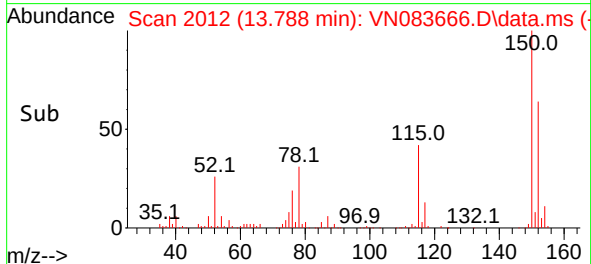
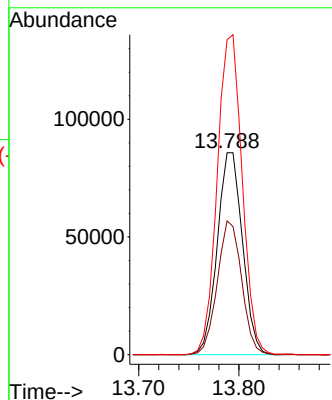
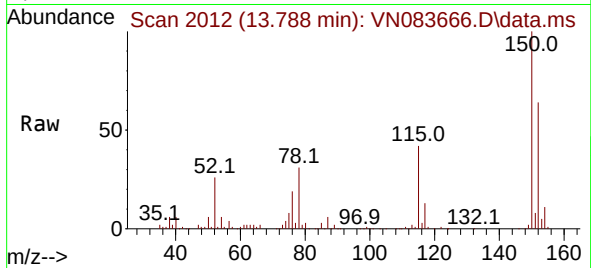




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN083666.D
 Acq: 05 Sep 2024 11:06

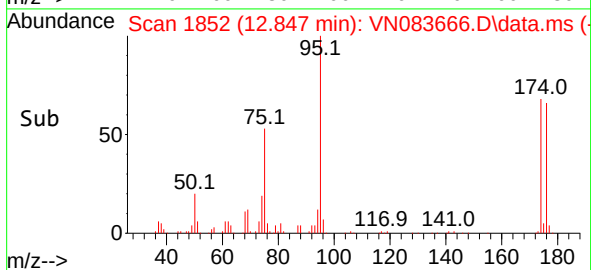
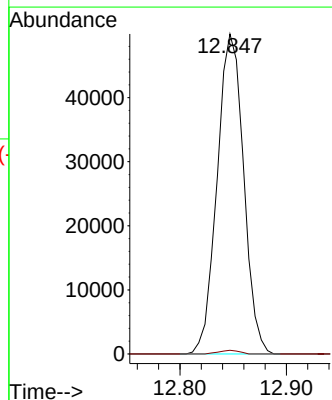
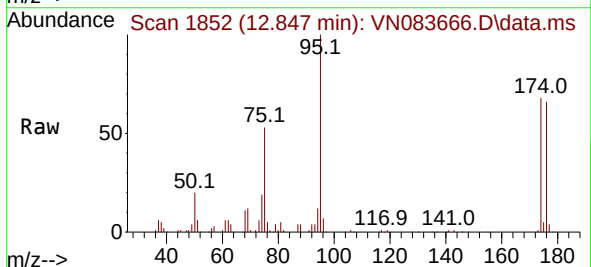
Instrument :
 MSVOA_N
 ClientSampleId :

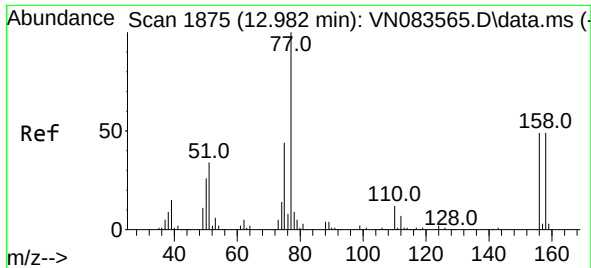
Tgt Ion:152 Resp: 150107
 Ion Ratio Lower Upper
 152 100
 115 63.7 32.2 96.6
 150 156.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 28.462 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083666.D
 Acq: 05 Sep 2024 11:06

Tgt Ion: 75 Resp: 86258
 Ion Ratio Lower Upper
 75 100
 77 0.9 95.2 285.6#

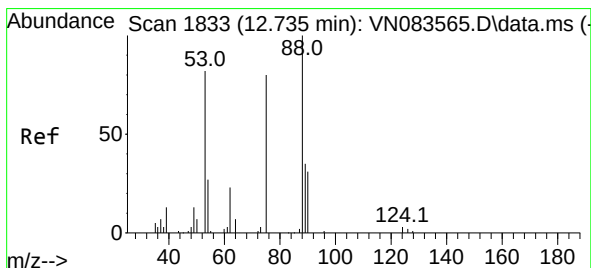
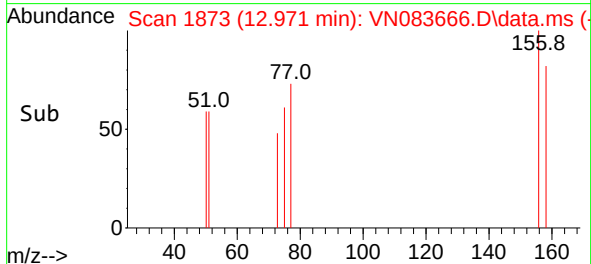
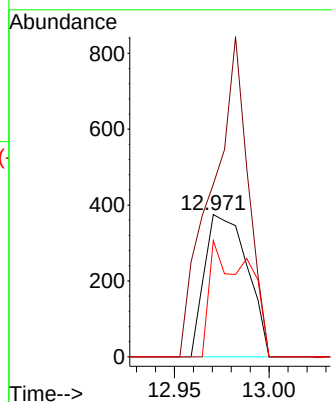
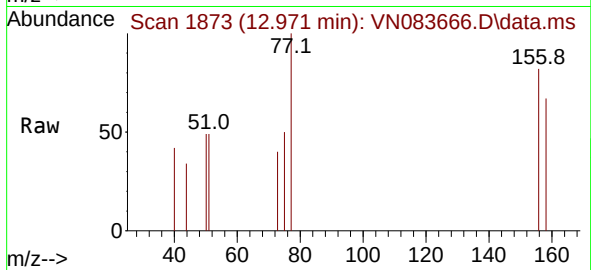




#77
Bromobenzene
Concen: 0.206 ug/l
RT: 12.971 min Scan# 1873
Delta R.T. -0.012 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

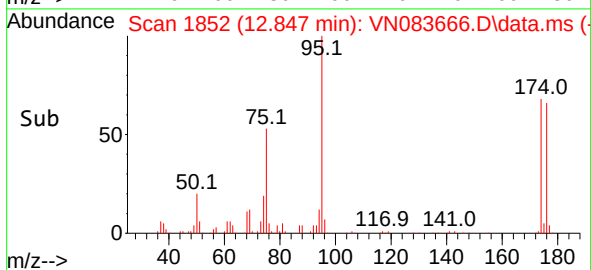
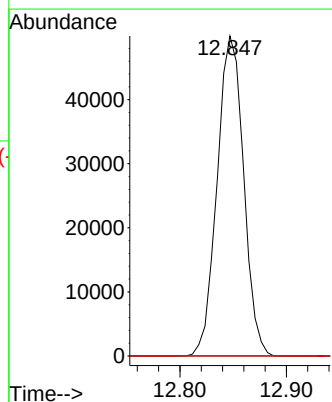
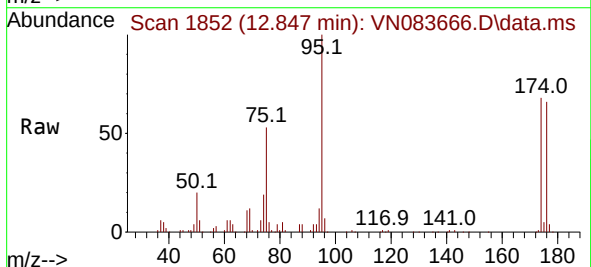
Instrument :
MSVOA_N
ClientSampleId :

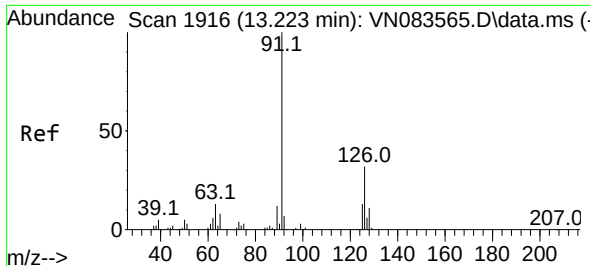
Tgt Ion:156 Resp: 587
Ion Ratio Lower Upper
156 100
77 191.1 114.3 343.1
158 72.4 48.9 146.7



#81
trans-1,4-Dichloro-2-butene
Concen: 67.130 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 75 Resp: 86258
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

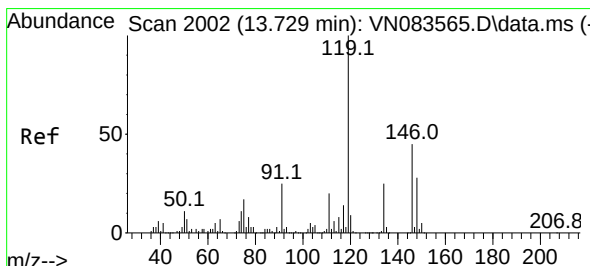
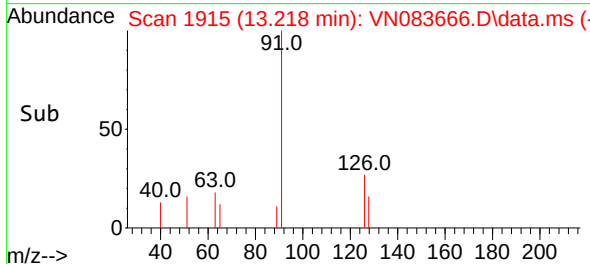
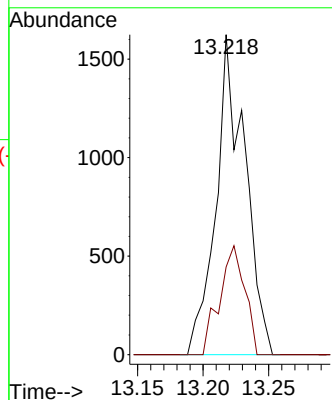
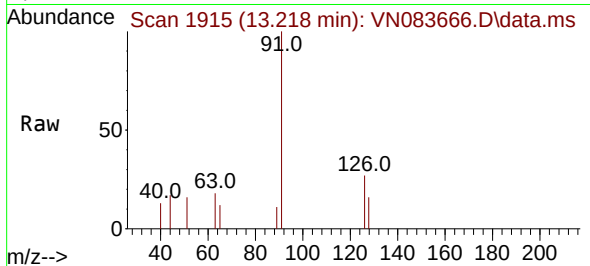




#82
4-Chlorotoluene
Concen: 0.269 ug/l
RT: 13.218 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

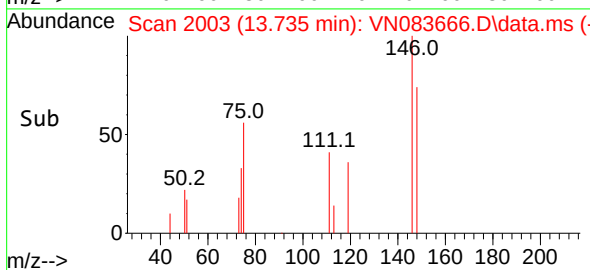
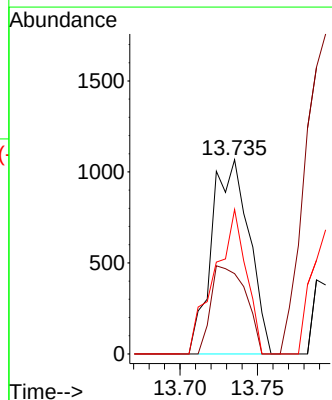
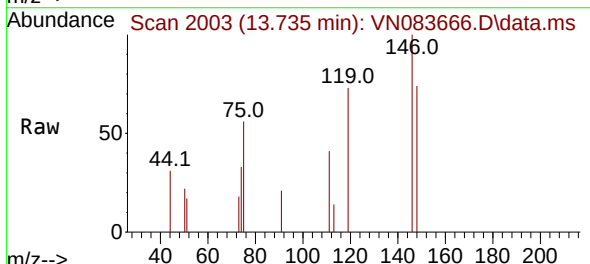
Instrument :
MSVOA_N
ClientSampleId :

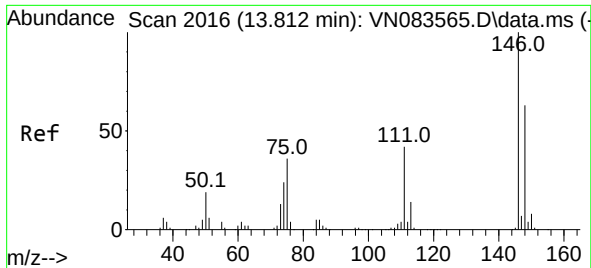
Tgt Ion: 91 Resp: 2490
Ion Ratio Lower Upper
91 100
126 29.6 15.4 46.2



#87
1,3-Dichlorobenzene
Concen: 0.324 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

Tgt Ion: 146 Resp: 1793
Ion Ratio Lower Upper
146 100
111 42.1 21.7 65.1
148 62.5 31.7 95.1

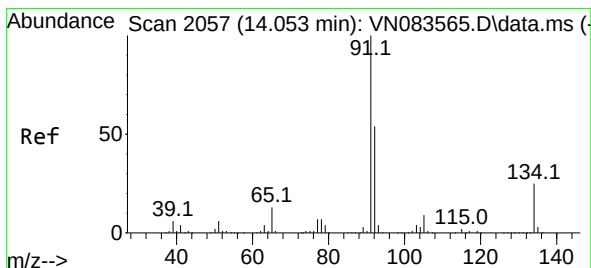
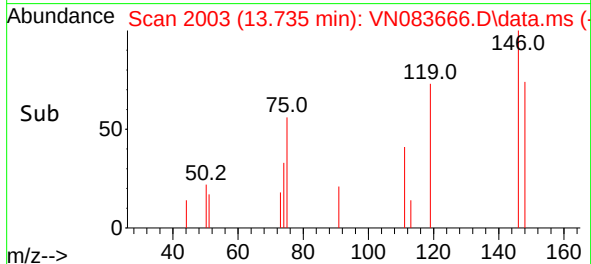
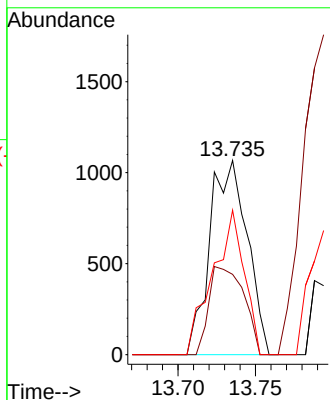
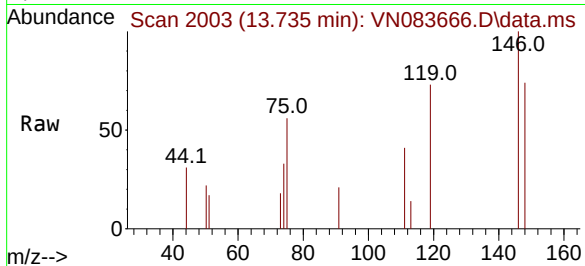




#88
1,4-Dichlorobenzene
Concen: 0.315 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

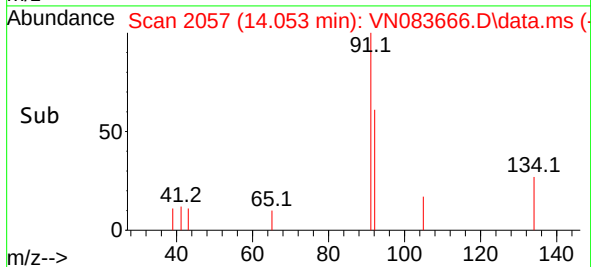
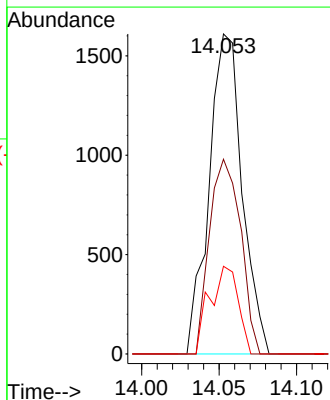
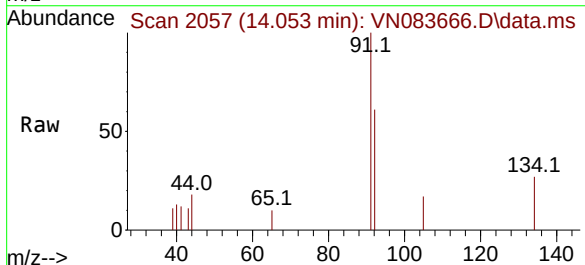
Instrument :
MSVOA_N
ClientSampleId :

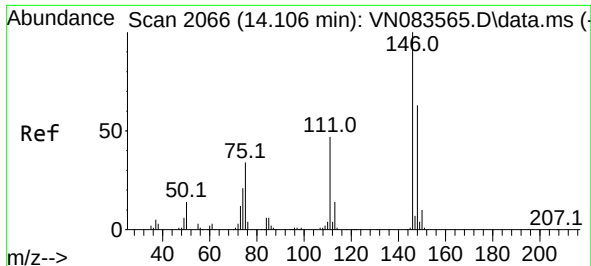
Tgt Ion:146 Resp: 1793
Ion Ratio Lower Upper
146 100
111 42.1 21.3 64.0
148 62.5 32.0 96.2



#89
n-Butylbenzene
Concen: 0.270 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

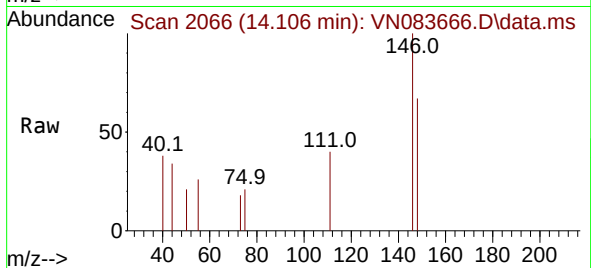
Tgt Ion: 91 Resp: 2400
Ion Ratio Lower Upper
91 100
92 57.0 26.7 80.1
134 23.4 12.2 36.4



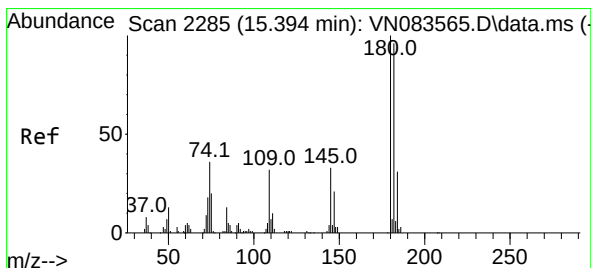
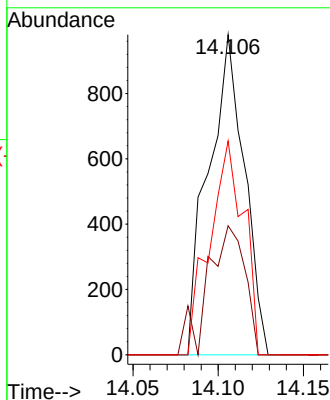
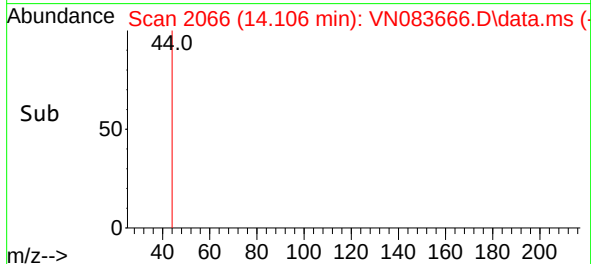


#91
1,2-Dichlorobenzene
Concen: 0.270 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06

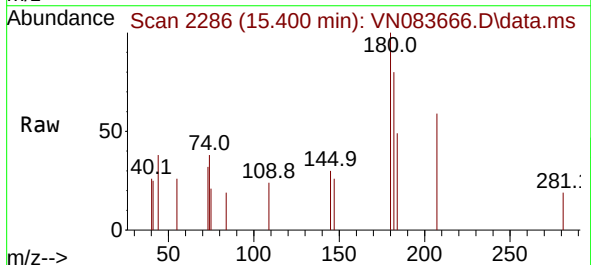
Instrument :
MSVOA_N
ClientSampleId :



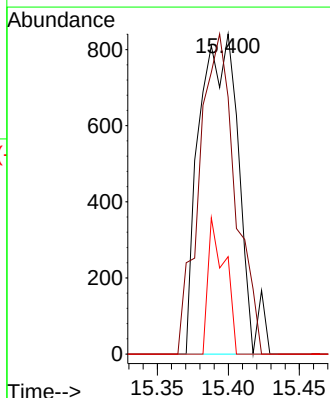
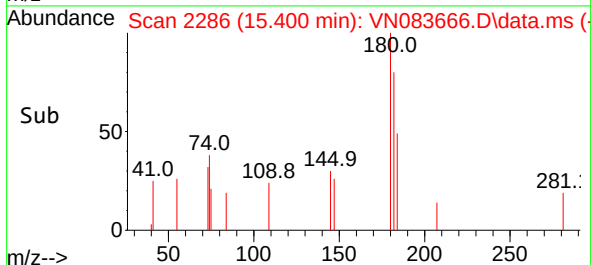
Tgt Ion:146 Resp: 1437
Ion Ratio Lower Upper
146 100
111 41.5 22.8 68.3
148 63.6 32.1 96.5

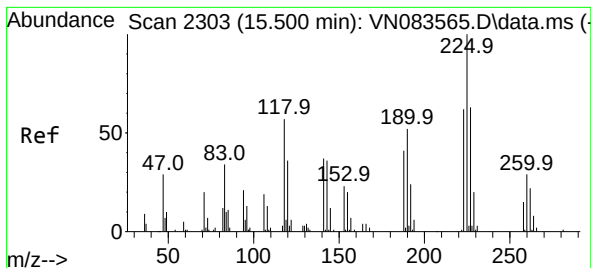


#93
1,2,4-Trichlorobenzene
Concen: 0.538 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.006 min
Lab File: VN083666.D
Acq: 05 Sep 2024 11:06



Tgt Ion:180 Resp: 1627
Ion Ratio Lower Upper
180 100
182 91.2 48.1 144.3
145 18.3 16.9 50.7





#94

Hexachlorobutadiene

Concen: 0.340 ug/l

RT: 15.500 min Scan# 21

Delta R.T. 0.000 min

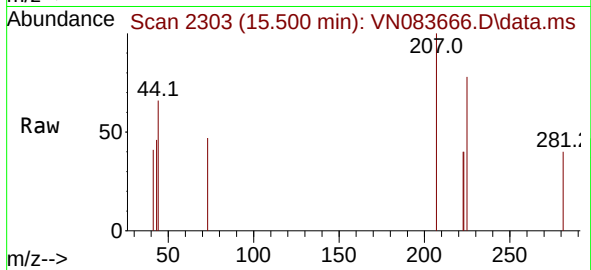
Lab File: VN083666.D

Acq: 05 Sep 2024 11:06

Instrument :

MSVOA_N

ClientSampleId :



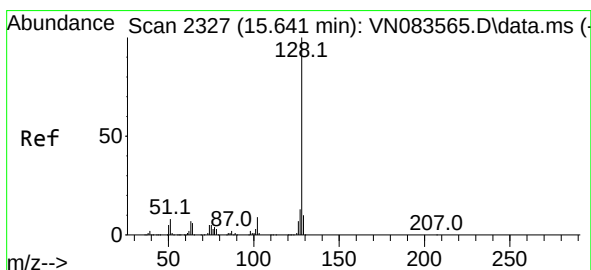
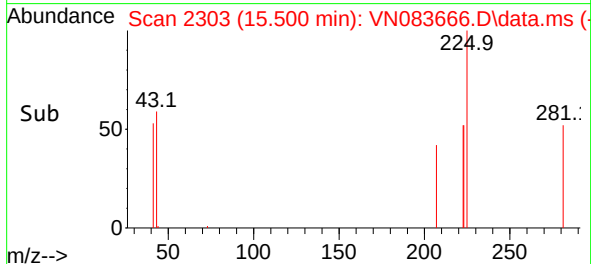
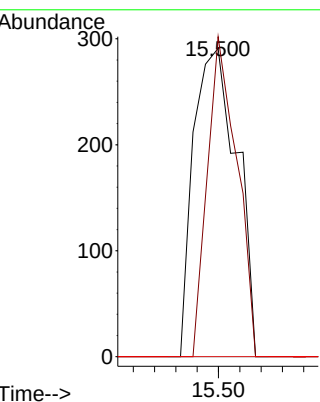
Tgt Ion:225 Resp: 411

Ion Ratio Lower Upper

225 100

223 70.8 31.9 95.5

227 0.0 32.0 96.2#



#95

Naphthalene

Concen: 0.465 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083666.D

Acq: 05 Sep 2024 11:06

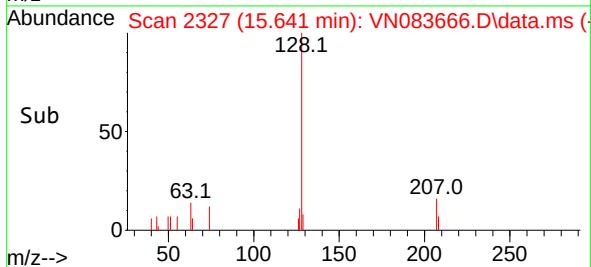
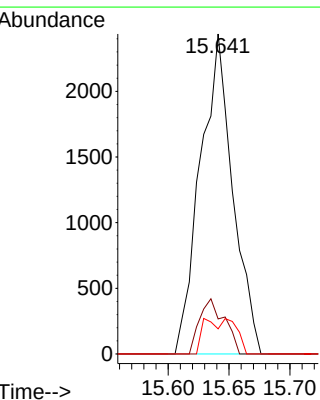
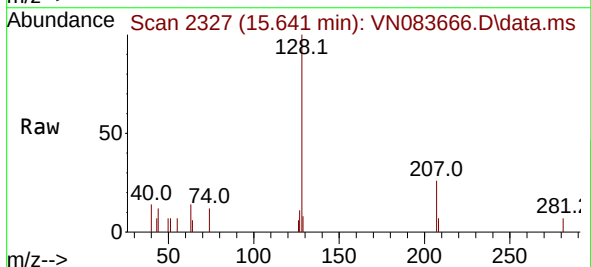
Tgt Ion:128 Resp: 4516

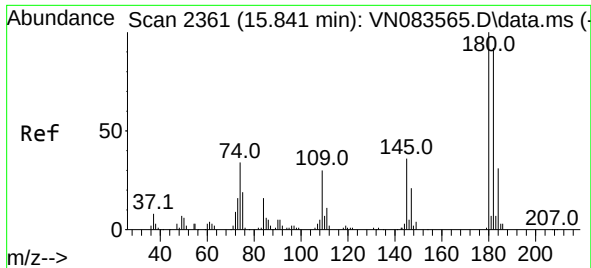
Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

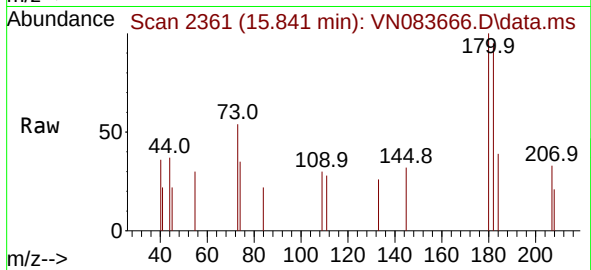
129 5.5 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.484 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN083666.D
 Acq: 05 Sep 2024 11:06

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1460
Ion	Ratio	Lower	Upper
180	100		
182	101.8	47.1	141.4
145	35.3	17.8	53.5

