

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077868.D
 Acq On : 24 May 2023 23:49
 Operator : JC\MD
 Sample : VN0524MBL02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBL03

Quant Time: May 25 01:45:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

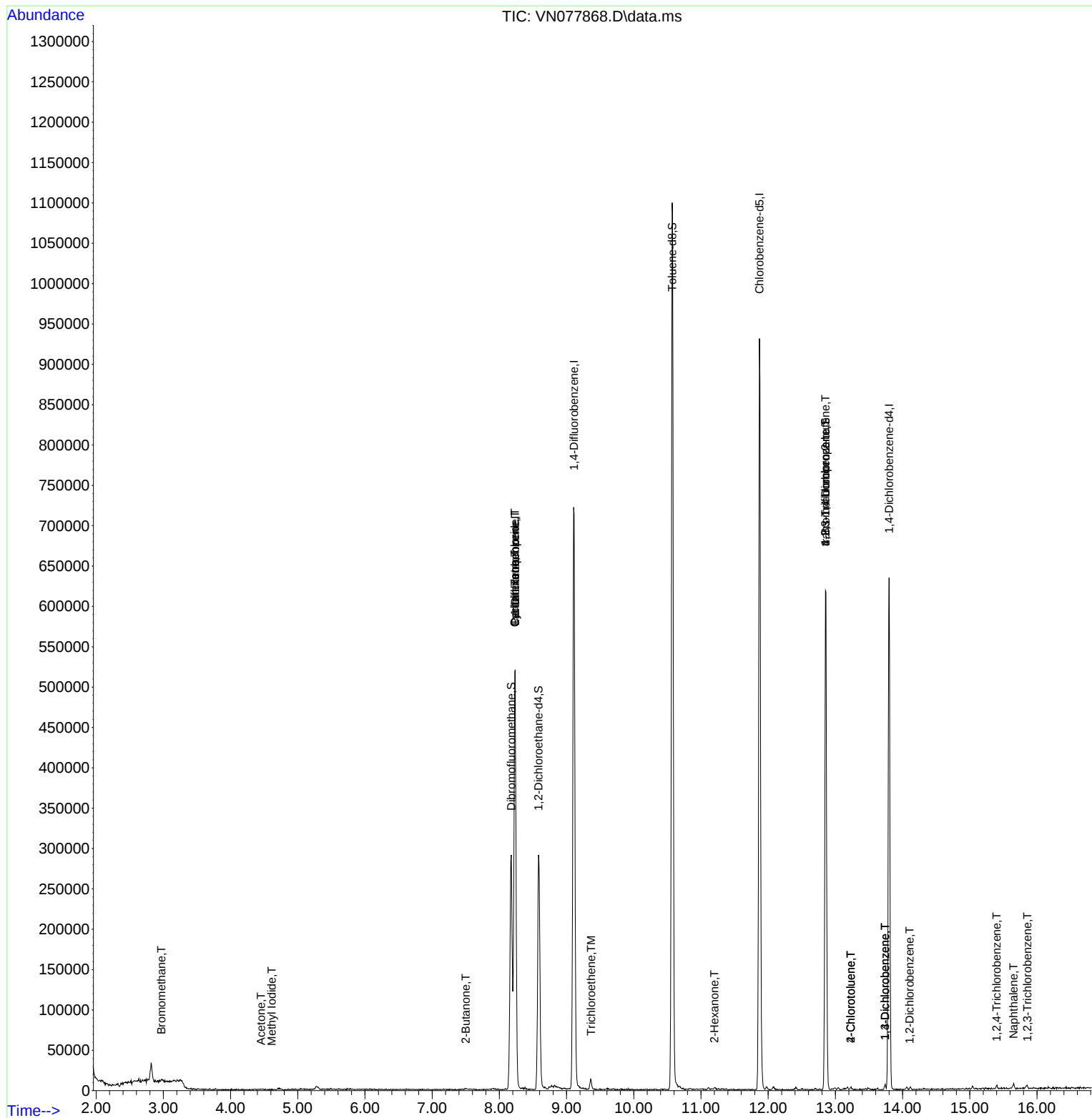
Internal Standards						
1) Pentafluorobenzene	8.235	168	369388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	655565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	564327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	178357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	249425	45.129	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.260%		
35) Dibromofluoromethane	8.177	113	213327	49.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	10.571	98	807394	49.069	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.140%		
62) 4-Bromofluorobenzene	12.853	95	235104	40.456	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	80.920%#		
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1573	Below Cal	#	76
5) Bromomethane	2.971	94	1539	0.393	ug/l #	59
10) Methyl Iodide	4.612	142	1176	0.241	ug/l #	38
13) Acrolein	4.194	56	249	Below Cal	#	33
16) Acetone	4.453	43	1075	0.618	ug/l #	40
20) Methylene Chloride	5.283	84	1821	Below Cal	#	82
25) 2-Butanone	7.500	43	568	0.209	ug/l #	37
31) Cyclohexane	8.230	56	8098	1.078	ug/l #	17
36) 1,1-Dichloropropene	8.235	75	32222	5.153	ug/l #	49
38) Carbon Tetrachloride	8.230	117	40344	6.390	ug/l #	16
44) Trichloroethene	9.365	130	3964	0.848	ug/l	84
59) 2-Hexanone	11.200	43	1303	0.326	ug/l	86
76) 1,2,3-Trichloropropane	12.853	75	122938	27.523	ug/l #	1
79) 2-Chlorotoluene	13.229	91	2437	0.225	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.853	75	122938	87.979	ug/l #	15
82) 4-Chlorotoluene	13.229	91	2437	0.226	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	1878	0.289	ug/l	90
88) 1,4-Dichlorobenzene	13.741	146	1878	0.292	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	1331	0.220	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	1410	0.398	ug/l	94
95) Naphthalene	15.653	128	5001	0.410	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.858	180	1830	0.528	ug/l	99

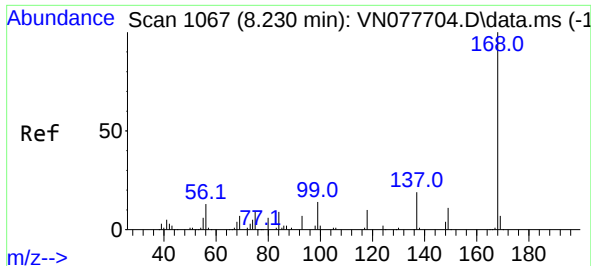
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
Data File : VN077868.D
Acq On : 24 May 2023 23:49
Operator : JC\MD
Sample : VN0524MBL02
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

Quant Time: May 25 01:45:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
Quant Title : SW846 8260
QLast Update : Tue May 16 04:07:42 2023
Response via : Initial Calibration

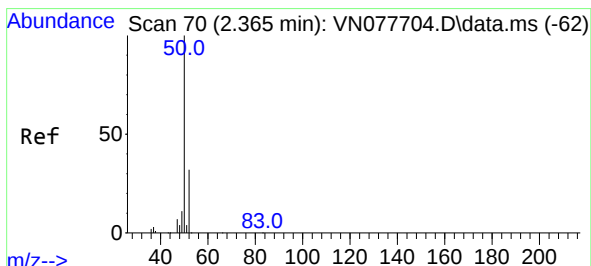
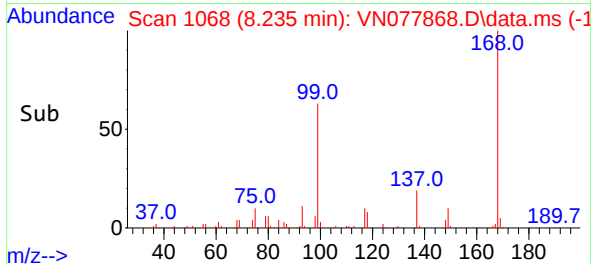
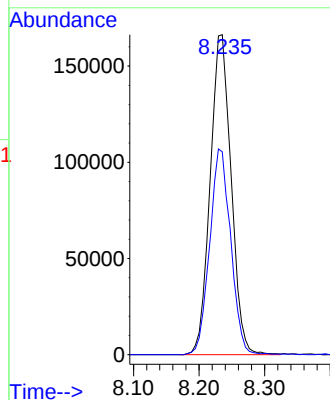
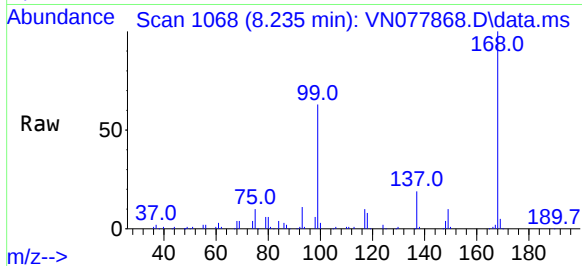




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

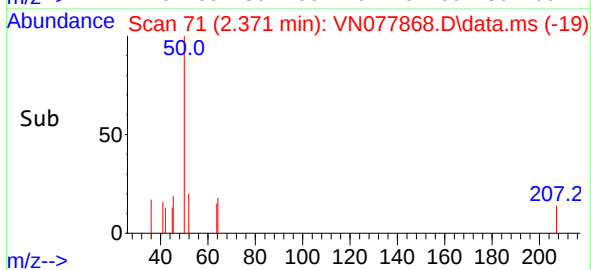
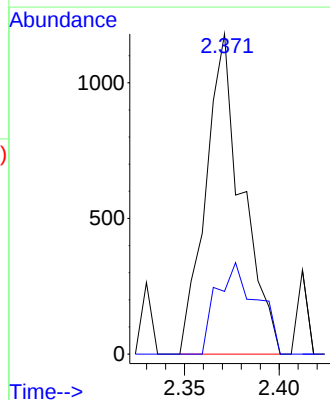
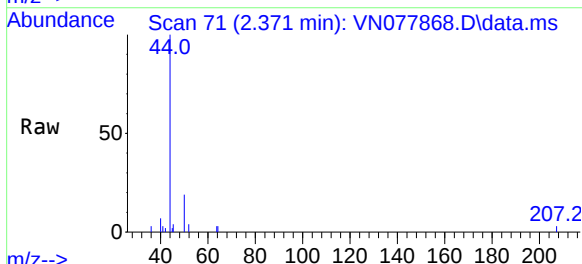
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

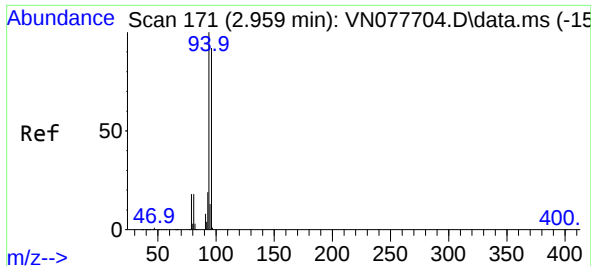
Tgt Ion:168 Resp: 369388
Ion Ratio Lower Upper
168 100
99 63.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 50 Resp: 1573
Ion Ratio Lower Upper
50 100
52 19.6 26.5 39.7#

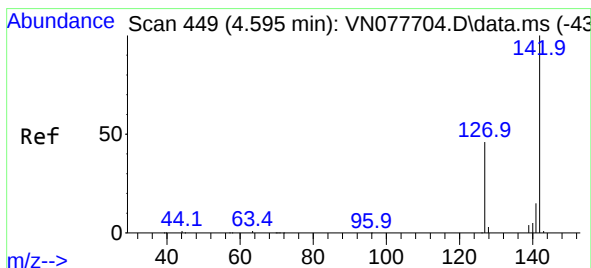
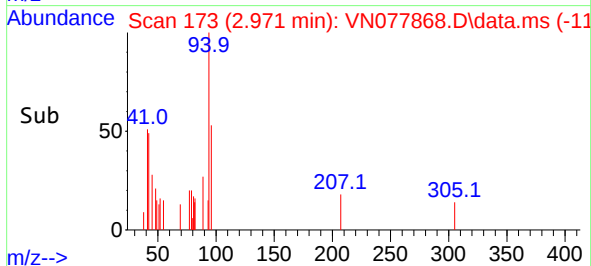
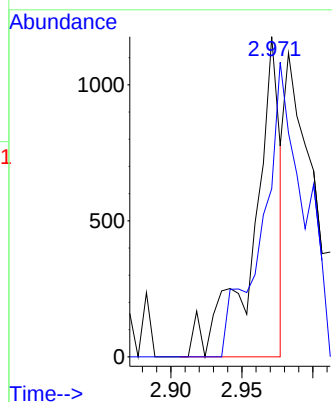
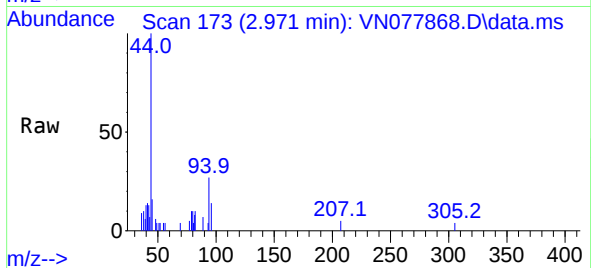




#5
Bromomethane
Concen: 0.393 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

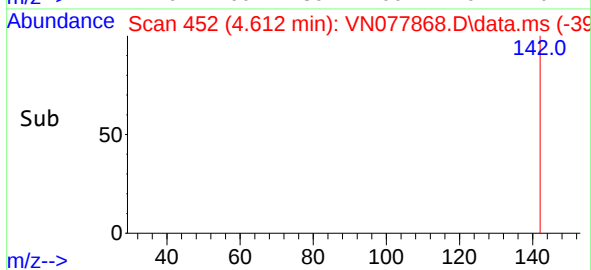
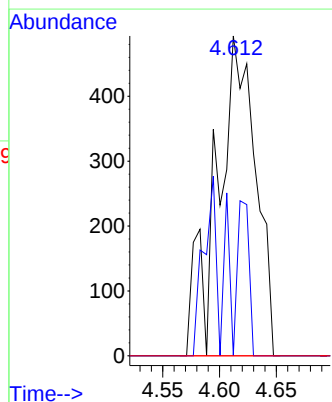
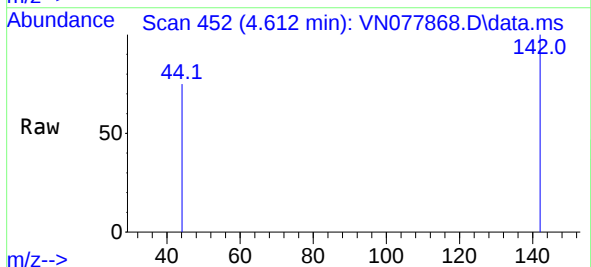
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

Tgt Ion: 94 Resp: 1539
Ion Ratio Lower Upper
94 100
96 52.5 73.1 109.7#

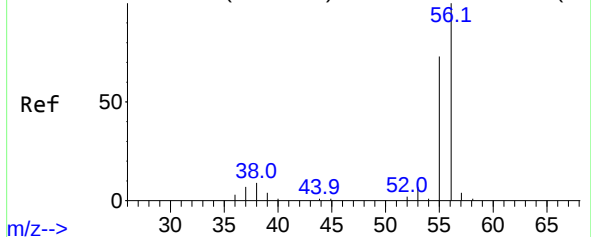


#10
Methyl Iodide
Concen: 0.241 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.018 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 142 Resp: 1176
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.0#



Abundance Scan 379 (4.183 min): VN077704.D\data.ms (-36



#13

Acrolein

Concen: Below Cal

RT: 4.194 min Scan# 381

Delta R.T. 0.005 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBL03

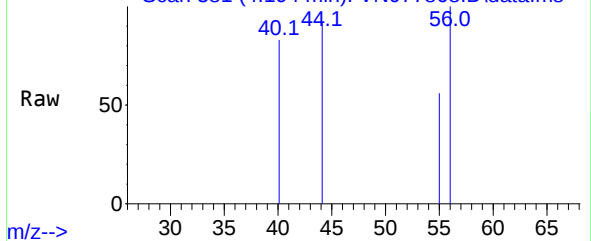
Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

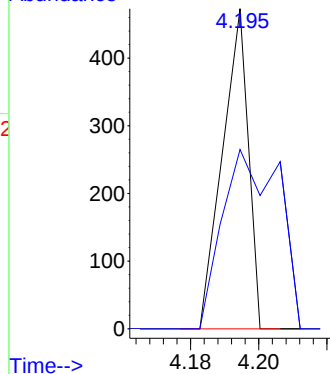
56 100

55 122.5 54.5 81.7#

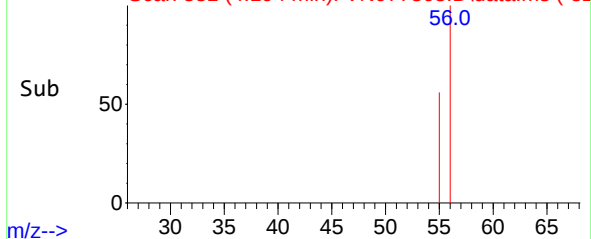
Abundance Scan 381 (4.194 min): VN077868.D\data.ms



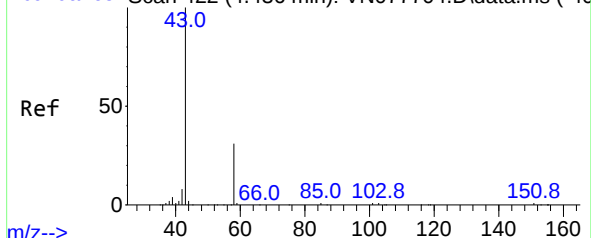
Abundance



Abundance Scan 381 (4.194 min): VN077868.D\data.ms (-32



Abundance Scan 422 (4.436 min): VN077704.D\data.ms (-40



#16

Acetone

Concen: 0.618 ug/l

RT: 4.453 min Scan# 425

Delta R.T. 0.023 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

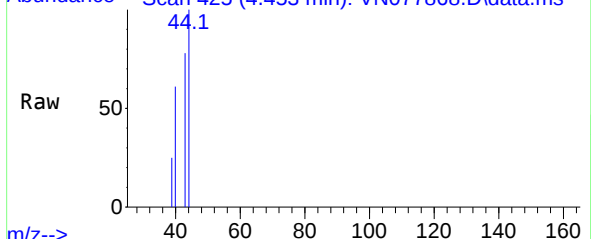
Tgt Ion: 43 Resp: 1075

Ion Ratio Lower Upper

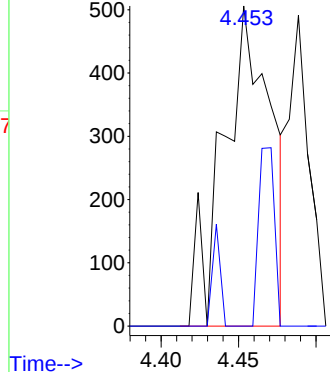
43 100

58 0.0 28.0 42.0#

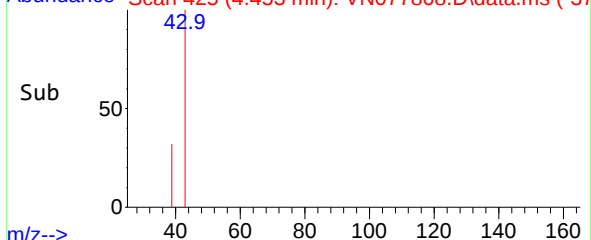
Abundance Scan 425 (4.453 min): VN077868.D\data.ms

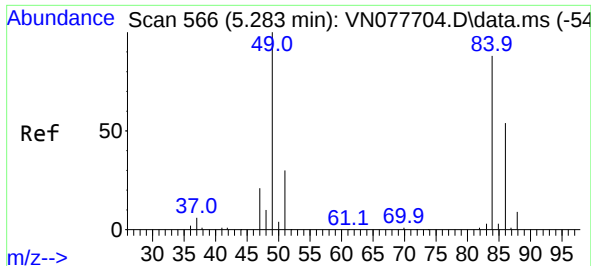


Abundance



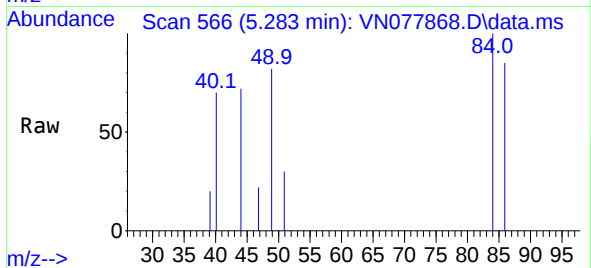
Abundance Scan 425 (4.453 min): VN077868.D\data.ms (-37





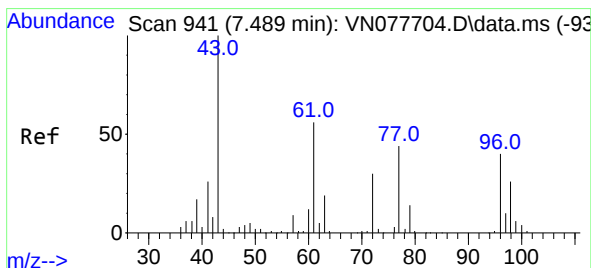
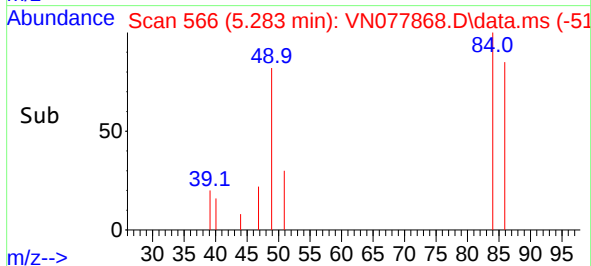
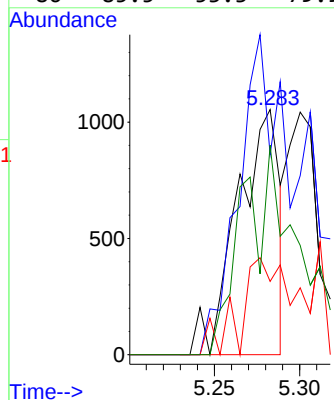
#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03



Tgt Ion: 84 Resp: 1821

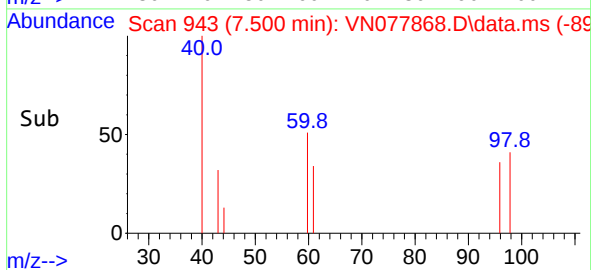
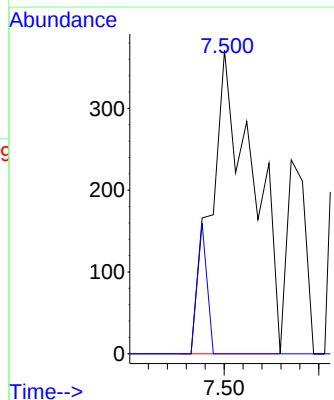
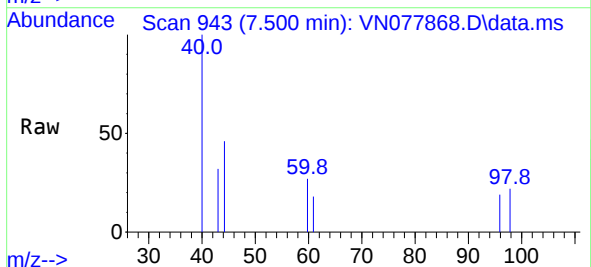
Ion	Ratio	Lower	Upper
84	100		
49	81.6	79.7	119.5
51	29.9	25.2	37.8
86	85.5	53.3	79.9

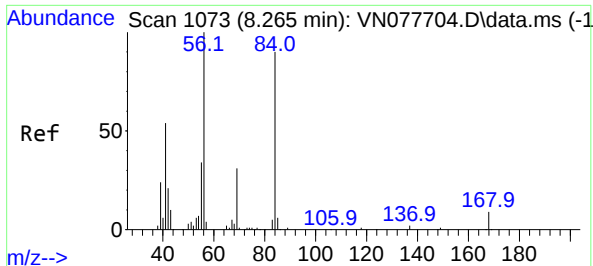


#25
2-Butanone
Concen: 0.209 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 43 Resp: 568

Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.2	45.2





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBL03

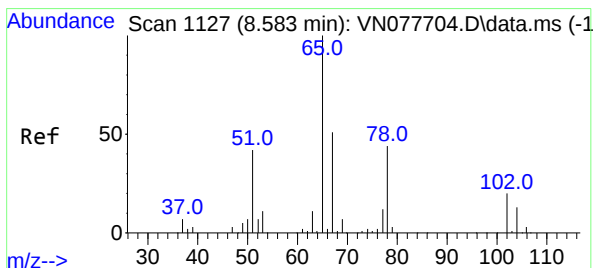
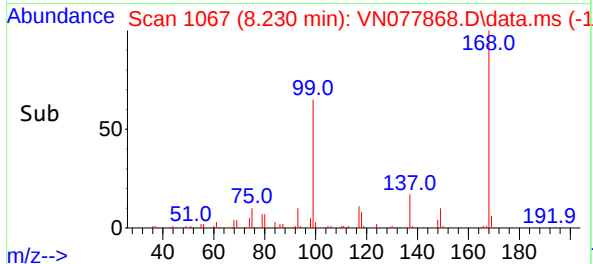
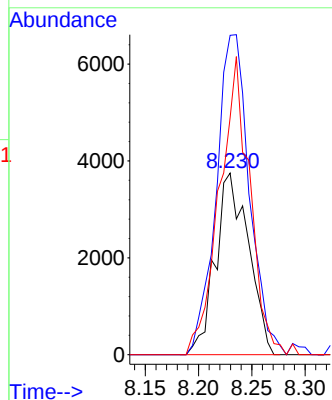
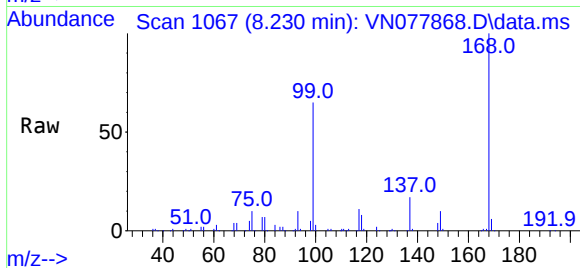
Tgt Ion: 56 Resp: 8098

Ion Ratio Lower Upper

56 100

69 175.9 26.8 40.2#

84 130.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 45.129 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN077868.D

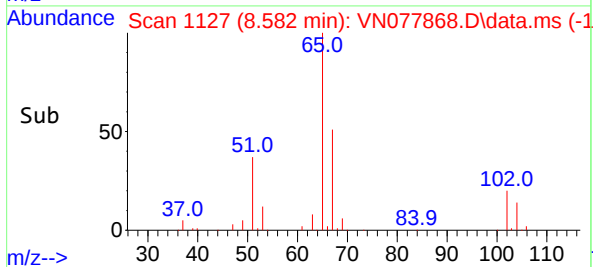
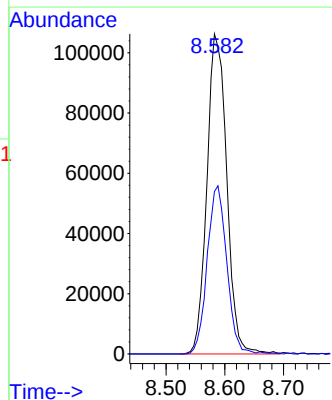
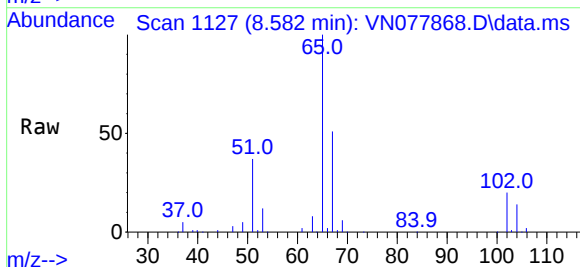
Acq: 24 May 2023 23:49

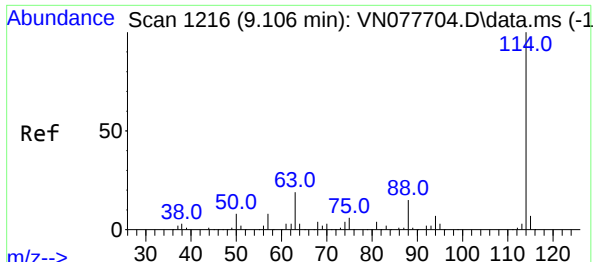
Tgt Ion: 65 Resp: 249425

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6

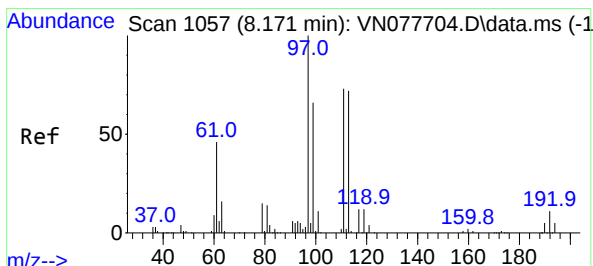
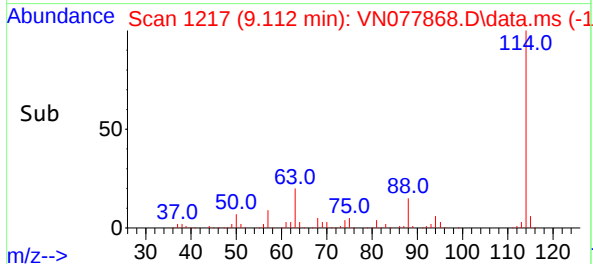
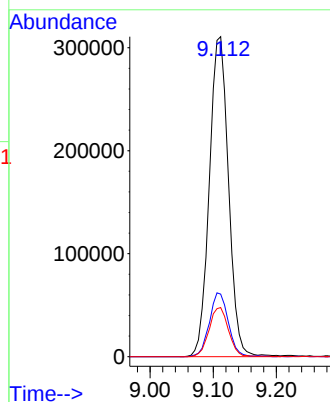
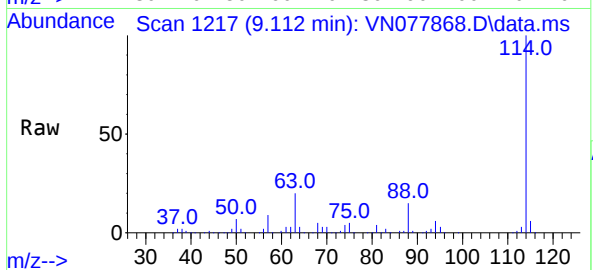




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

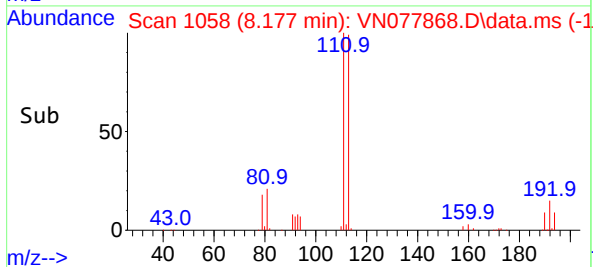
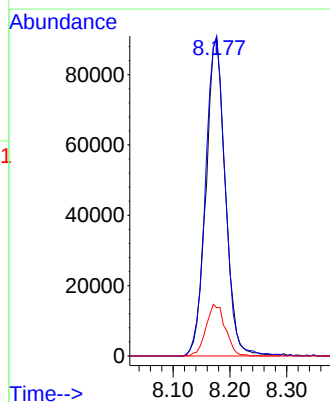
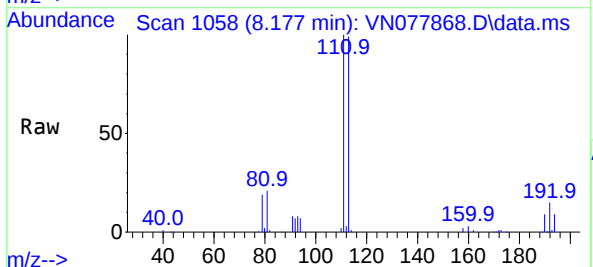
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

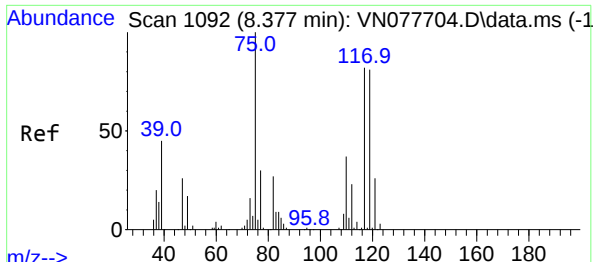
Tgt Ion:114 Resp: 655565
Ion Ratio Lower Upper
114 100
63 19.6 0.0 36.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion:113 Resp: 213327
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 16.2 12.7 19.1

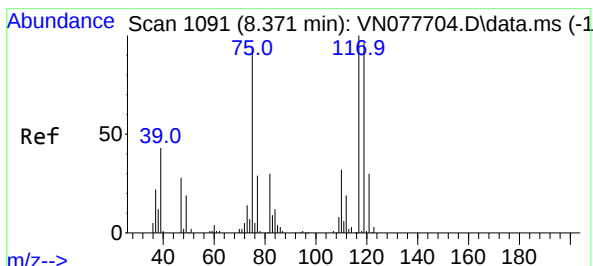
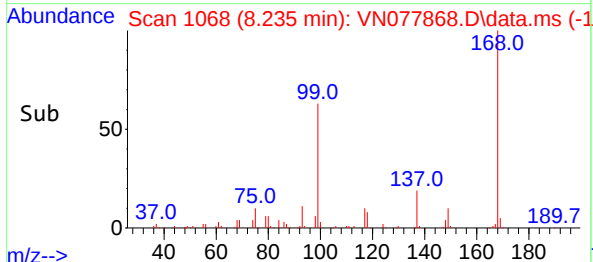
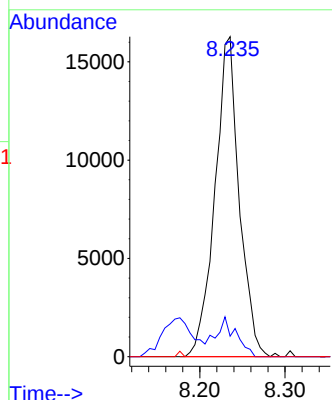
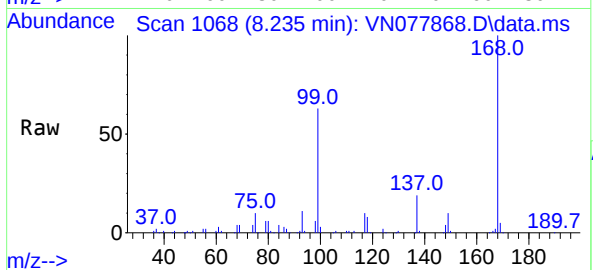




#36
1,1-Dichloropropene
Concen: 5.153 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

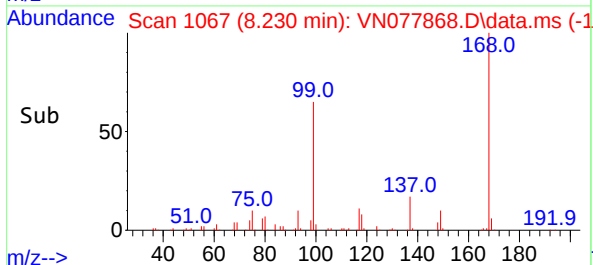
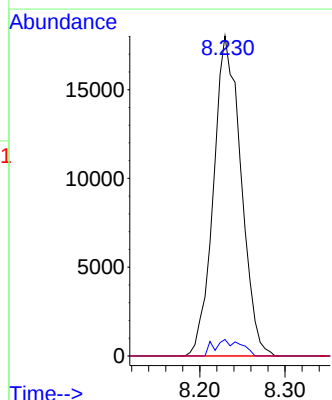
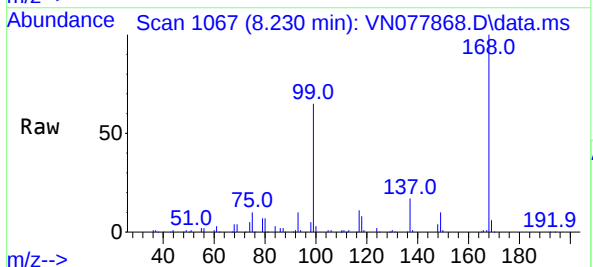
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

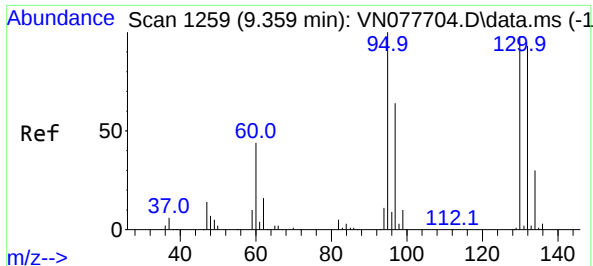
Tgt Ion: 75 Resp: 32222
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 6.390 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 117 Resp: 40344
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#

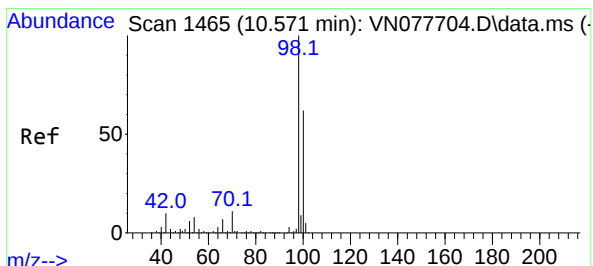
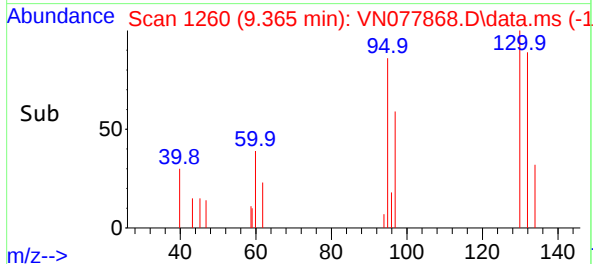
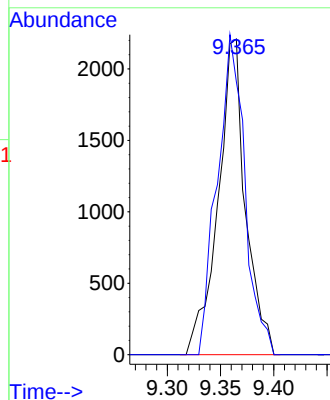
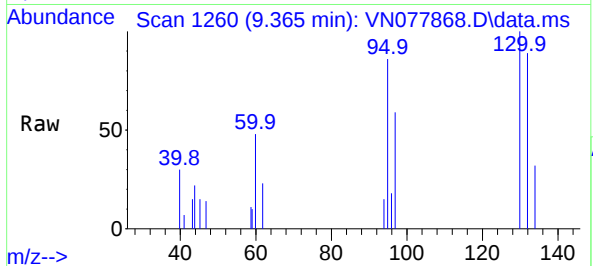




#44
Trichloroethene
Concen: 0.848 ug/l
RT: 9.365 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

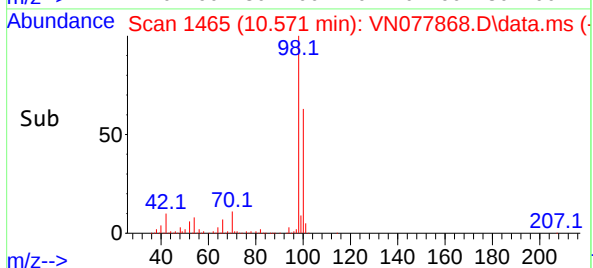
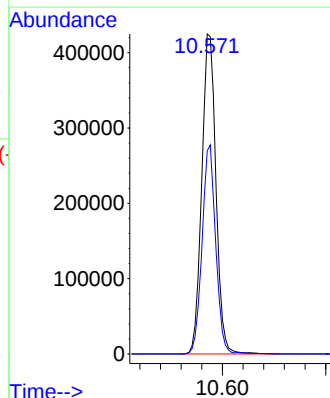
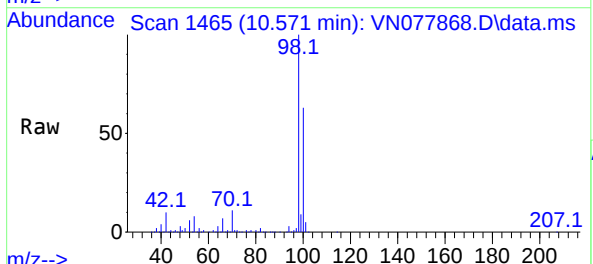
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

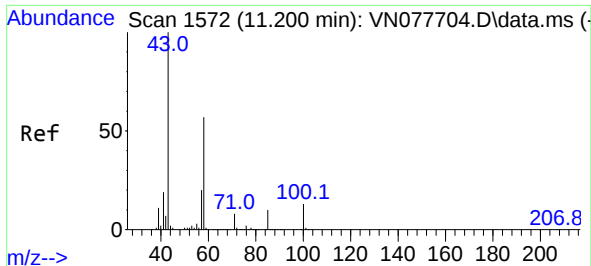
Tgt Ion:130 Resp: 3964
Ion Ratio Lower Upper
130 100
95 86.5 0.0 204.6



#50
Toluene-d8
Concen: 49.069 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 98 Resp: 807394
Ion Ratio Lower Upper
98 100
100 63.0 52.0 78.0

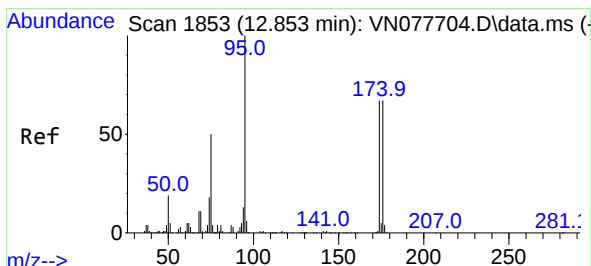
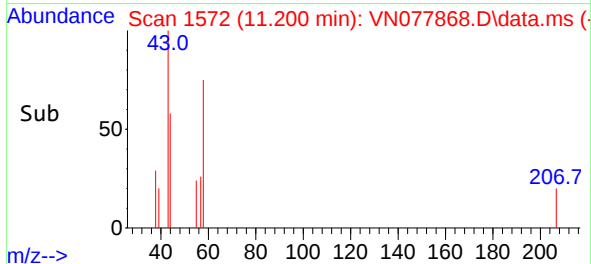
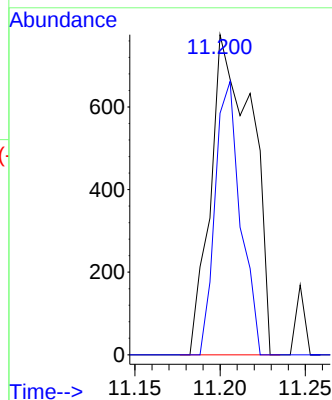
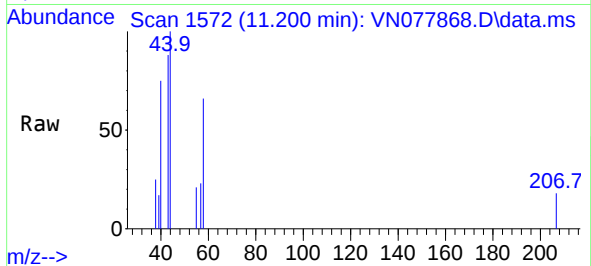




#59
2-Hexanone
Concen: 0.326 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

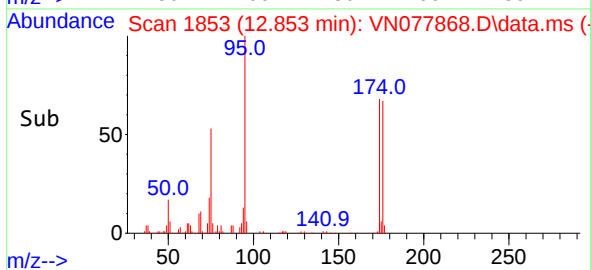
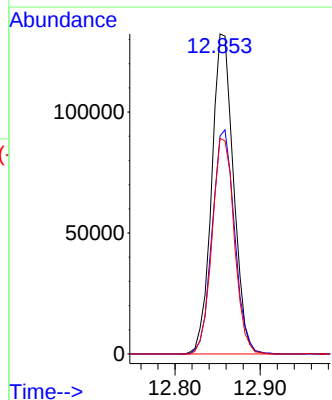
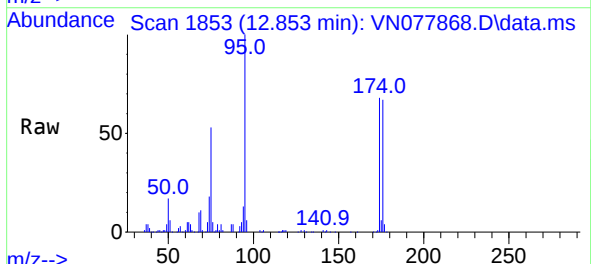
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

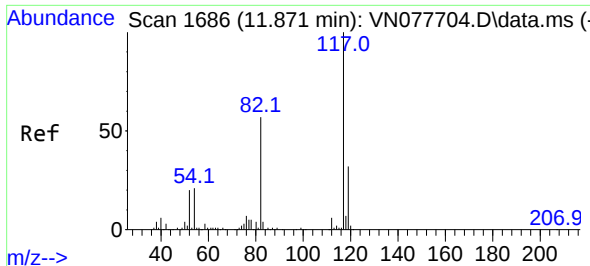
Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 52.6 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 40.456 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

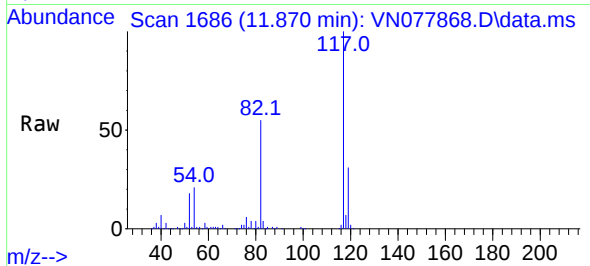
Tgt Ion: 95 Resp: 235104
Ion Ratio Lower Upper
95 100
174 71.9 0.0 143.8
176 68.4 0.0 135.8





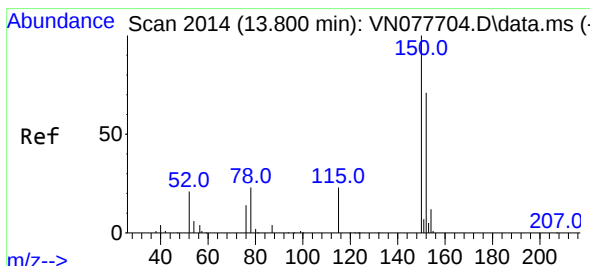
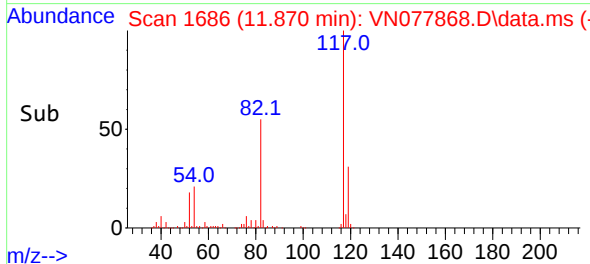
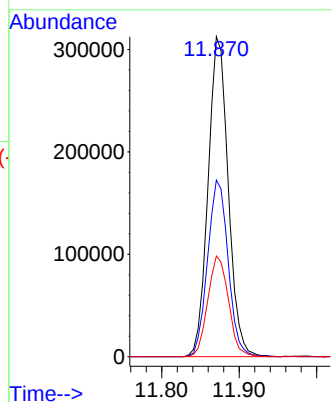
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03



Tgt Ion:117 Resp: 564327

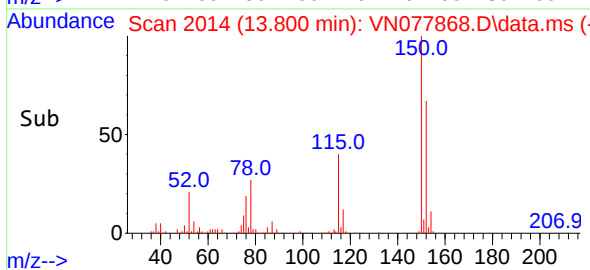
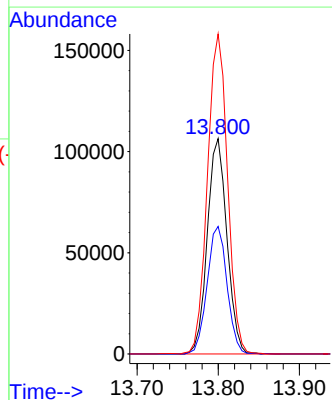
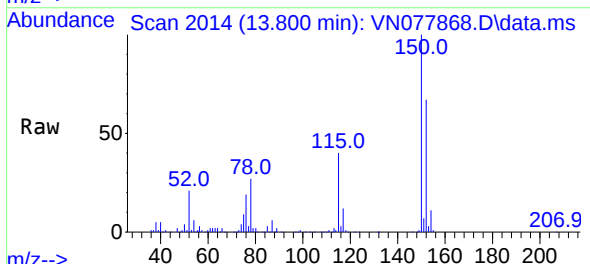
Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.0	66.0
119	31.5	25.6	38.4

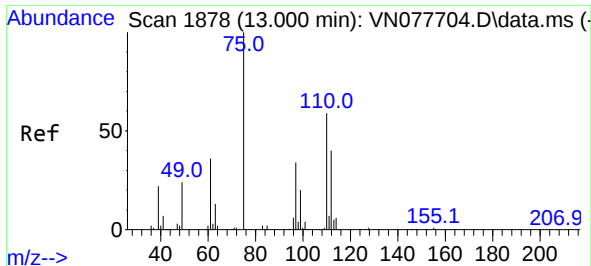


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion:152 Resp: 178357

Ion	Ratio	Lower	Upper
152	100		
115	60.0	32.3	96.8
150	152.0	0.0	355.8

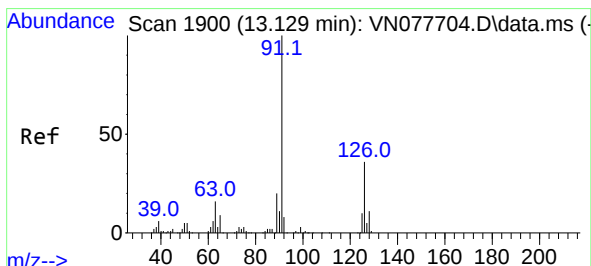
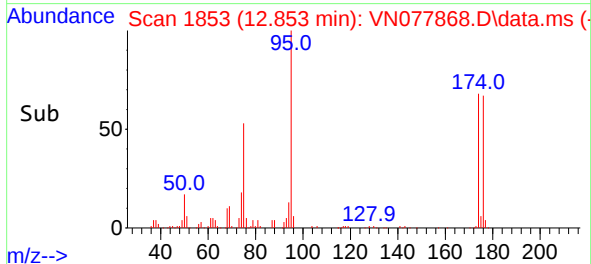
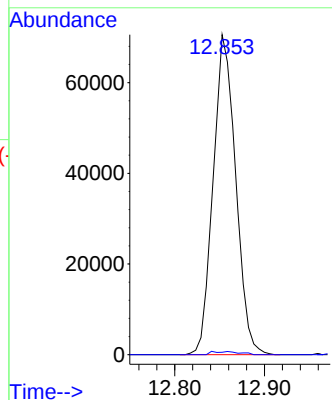
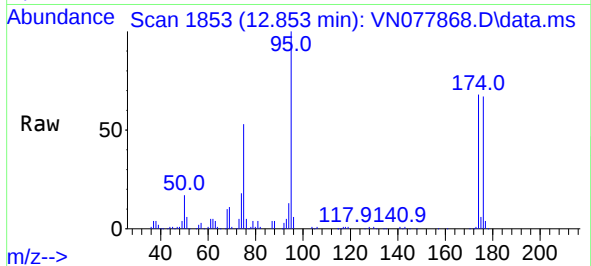




#76
1,2,3-Trichloropropane
Concen: 27.523 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

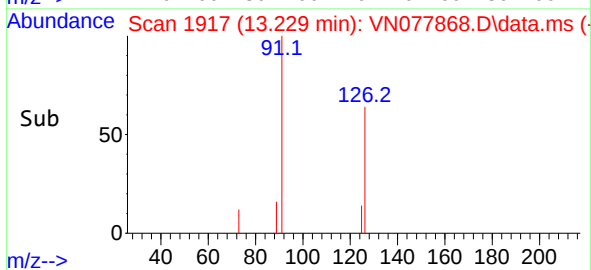
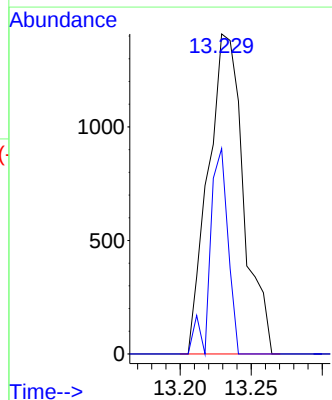
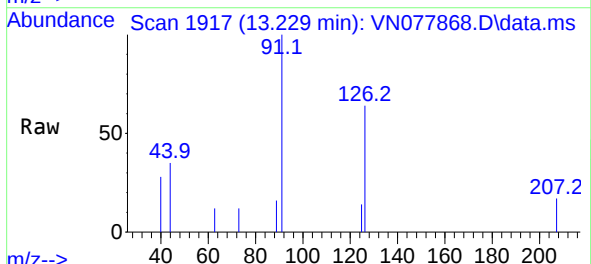
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

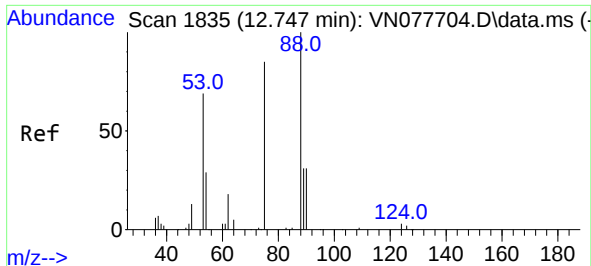
Tgt Ion: 75 Resp: 122938
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.100 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 91 Resp: 2437
Ion Ratio Lower Upper
91 100
126 32.2 16.3 48.8

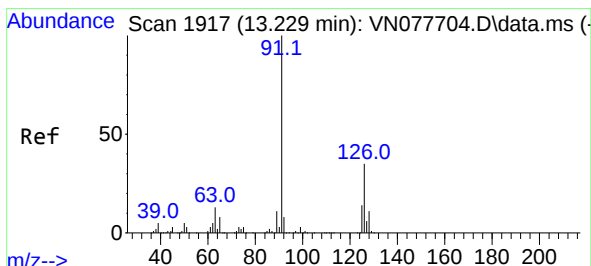
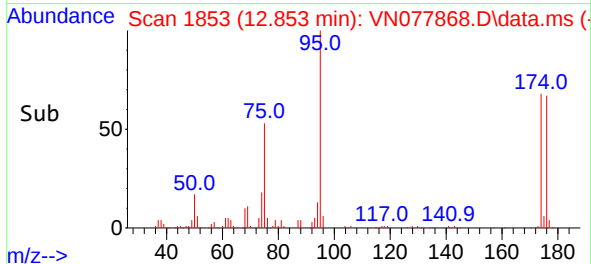
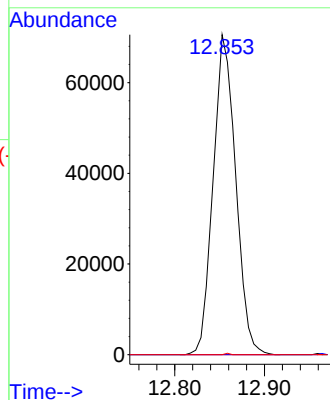
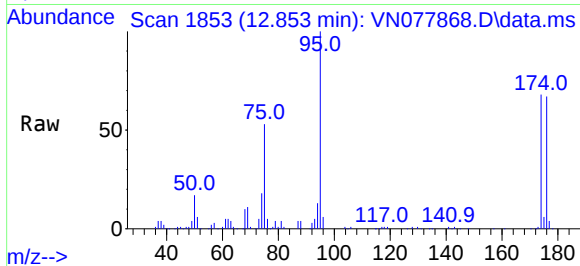




#81
trans-1,4-Dichloro-2-butene
Concen: 87.979 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

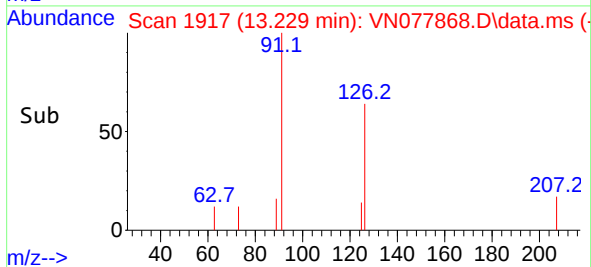
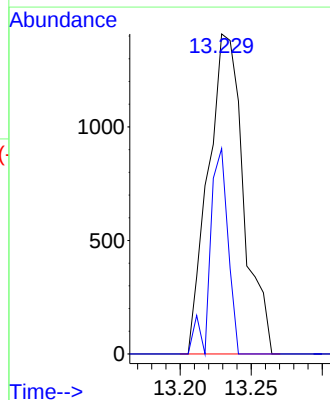
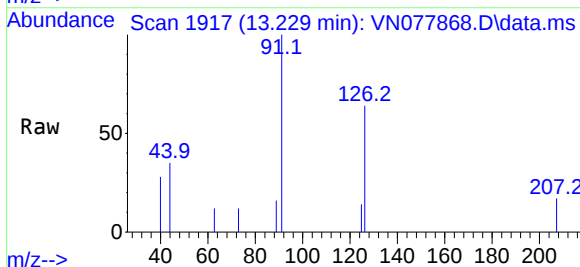
Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

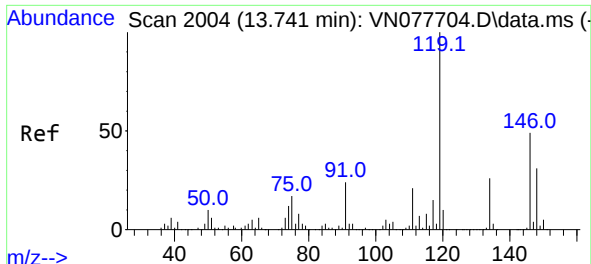
Tgt Ion: 75 Resp: 122938
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.226 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion: 91 Resp: 2437
Ion Ratio Lower Upper
91 100
126 32.2 16.7 50.0





#87

1,3-Dichlorobenzene

Concen: 0.289 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.000 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBL03

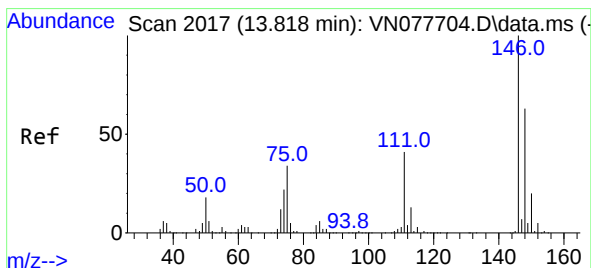
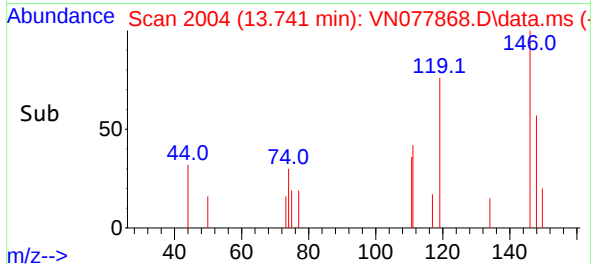
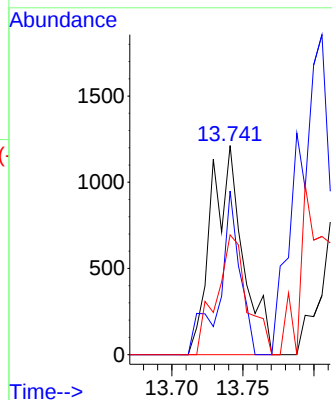
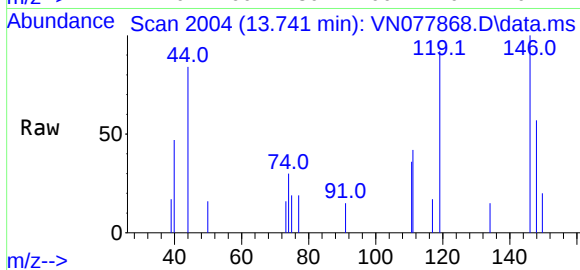
Tgt Ion:146 Resp: 1878

Ion Ratio Lower Upper

146 100

111 51.3 22.1 66.3

148 56.1 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.292 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. -0.076 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

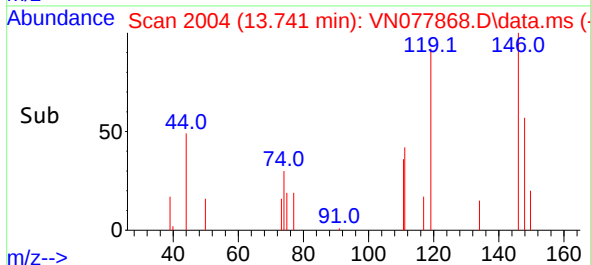
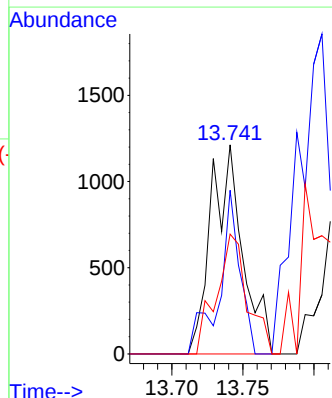
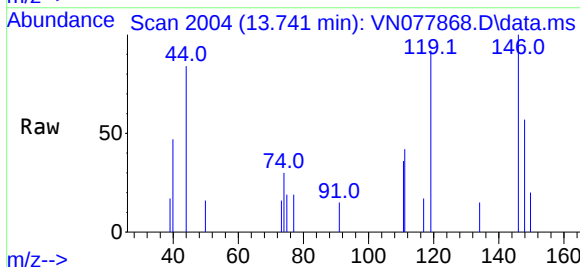
Tgt Ion:146 Resp: 1878

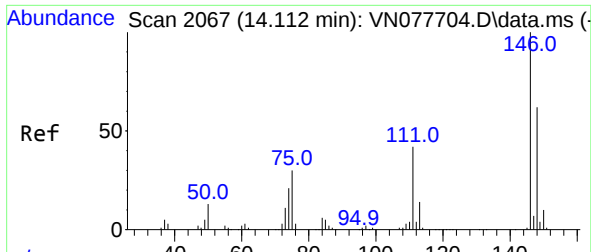
Ion Ratio Lower Upper

146 100

111 51.3 20.6 61.8

148 56.1 31.6 94.8





#91

1,2-Dichlorobenzene

Concen: 0.220 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.005 min

Lab File: VN077868.D

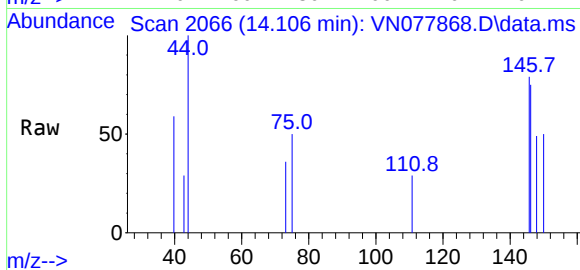
Acq: 24 May 2023 23:49

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBL03



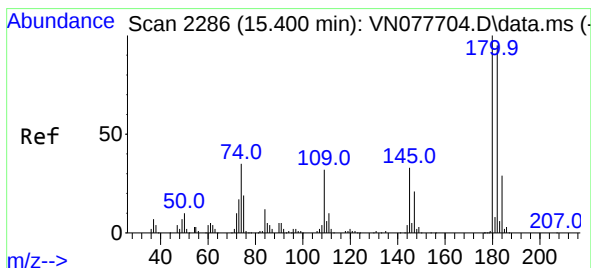
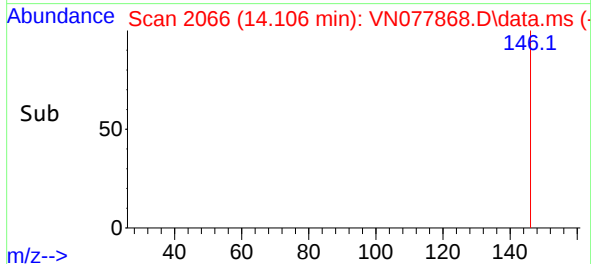
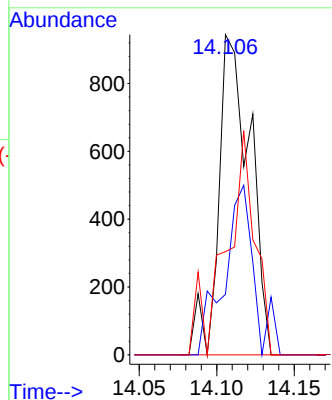
Tgt Ion:146 Resp: 1331

Ion Ratio Lower Upper

146 100

111 50.4 22.0 66.0

148 64.8 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 0.398 ug/l

RT: 15.400 min Scan# 2286

Delta R.T. -0.000 min

Lab File: VN077868.D

Acq: 24 May 2023 23:49

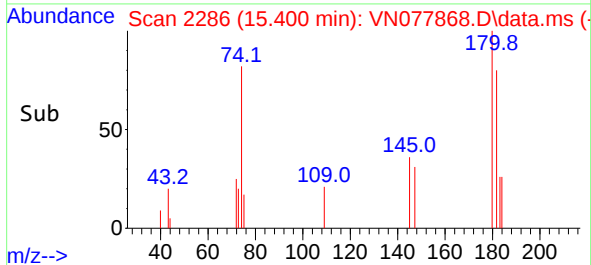
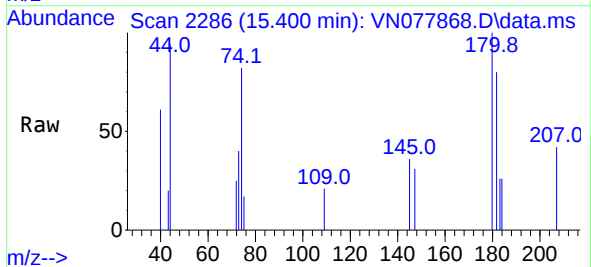
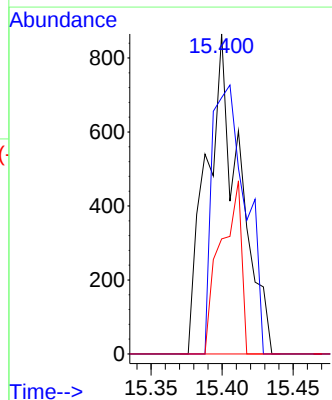
Tgt Ion:180 Resp: 1410

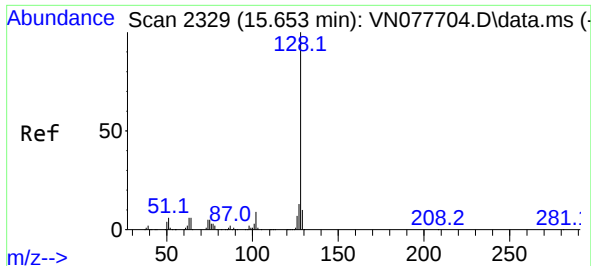
Ion Ratio Lower Upper

180 100

182 84.0 46.1 138.2

145 33.8 16.6 49.8

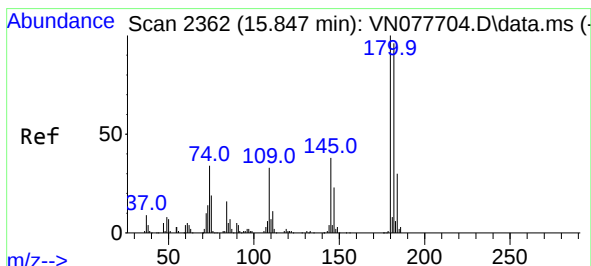
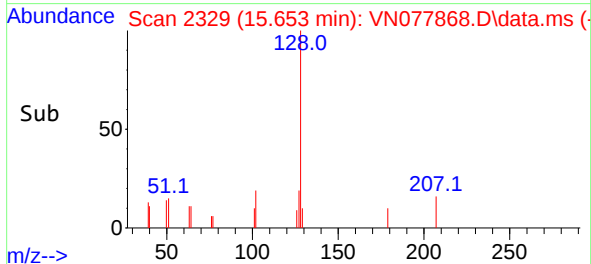
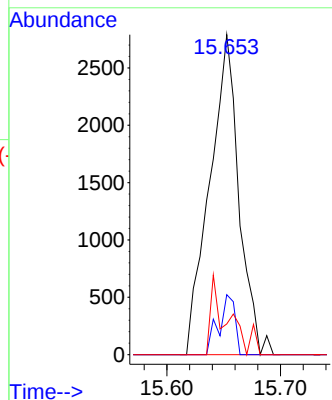
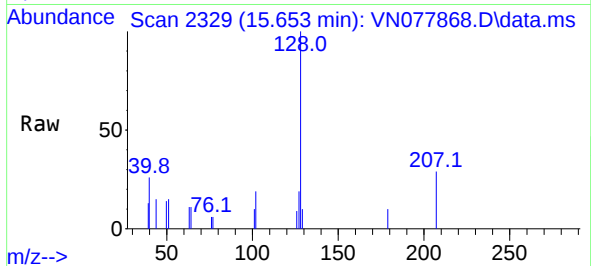




#95
Naphthalene
Concen: 0.410 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBL03

Tgt Ion:128 Resp: 5001
Ion Ratio Lower Upper
128 100
127 10.3 10.0 15.0
129 14.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.528 ug/l
RT: 15.858 min Scan# 2364
Delta R.T. 0.011 min
Lab File: VN077868.D
Acq: 24 May 2023 23:49

Tgt Ion:180 Resp: 1830
Ion Ratio Lower Upper
180 100
182 90.6 46.2 138.6
145 35.2 17.5 52.6

