

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
 Data File : VN076536.D
 Acq On : 06 Feb 2023 11:32
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/07/2023
 Supervised By :Mahesh Dadoda 02/07/2023

Quant Time: Feb 07 04:41:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 01:44:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	501857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	830254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	716329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	264198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	288147	48.221	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.440%		
35) Dibromofluoromethane	8.177	113	252416	49.128	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.260%		
50) Toluene-d8	10.571	98	958288	49.091	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.180%		
62) 4-Bromofluorobenzene	12.853	95	299767	44.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.620%		
Target Compounds						Qvalue
3) Chloromethane	2.383	50	1059	0.208	ug/l	90
17) Carbon Disulfide	4.724	76	4701	0.364	ug/l	97
59) 2-Hexanone	11.200	43	6535	1.576	ug/l	90
65) Chlorobenzene	11.888	112	3238	0.219	ug/l	89
74) N-amyl acetate	12.494	43	2765	0.450	ug/l #	93
77) Bromobenzene	12.982	156	2263	0.457	ug/l	76
78) n-propylbenzene	13.041	91	5967	0.255	ug/l	99
79) 2-Chlorotoluene	13.123	91	3740	0.251	ug/l	89
82) 4-Chlorotoluene	13.123	91	3740	0.251	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	4121	0.233	ug/l	93
85) sec-Butylbenzene	13.617	105	4618	0.216	ug/l	85
86) p-Isopropyltoluene	13.729	119	4388	0.252	ug/l	86
87) 1,3-Dichlorobenzene	13.741	146	5435	0.592	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	7673m	0.829	ug/l	
89) n-Butylbenzene	14.059	91	7699	0.557	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	5017	0.557	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	7424	1.870	ug/l	99
95) Naphthalene	15.641	128	31730	2.714	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	8184	2.145	ug/l	96

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

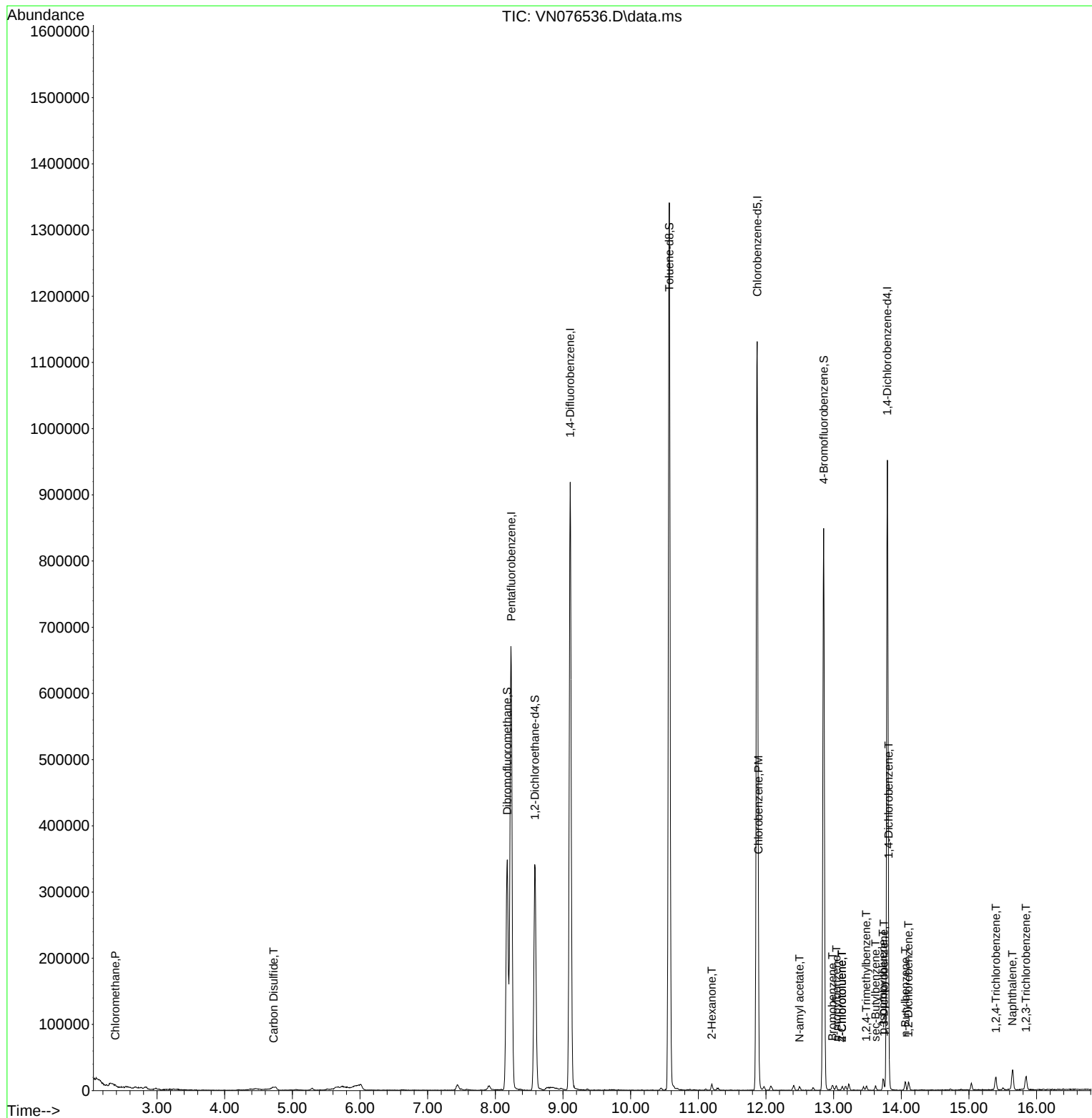
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020623\
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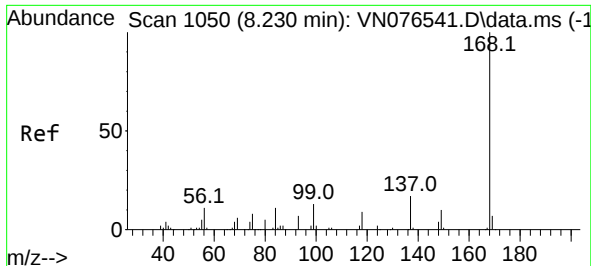
Instrument :
MSVOA_N
ClientSampleId :
IBLK

Quant Time: Feb 07 04:41:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020623W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 07 01:44:01 2023
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APPROVED

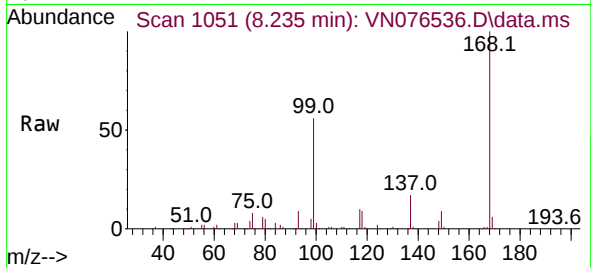
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

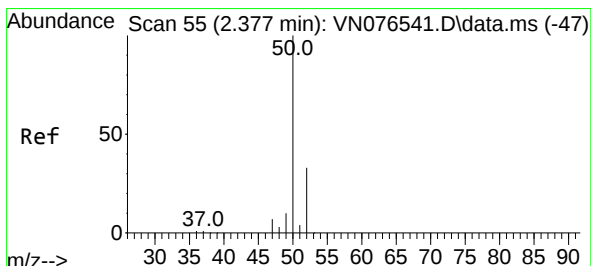
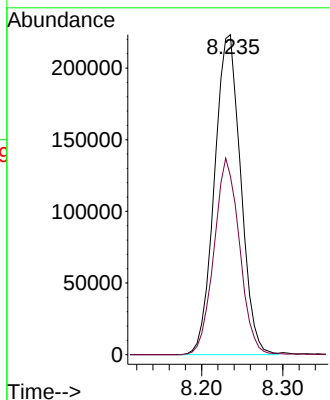
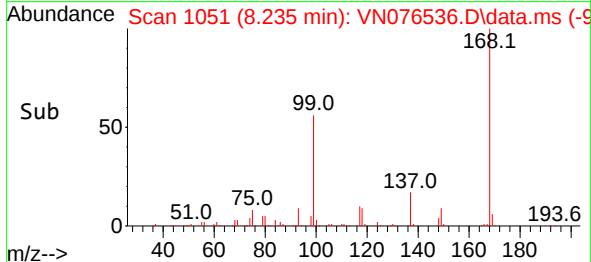
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:168 Resp: 50185
Ion Ratio Lower Upper
168 100
99 55.9 47.1 70.7

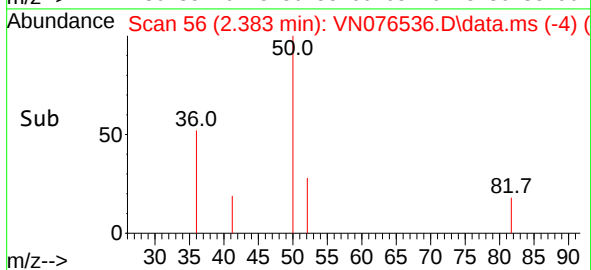
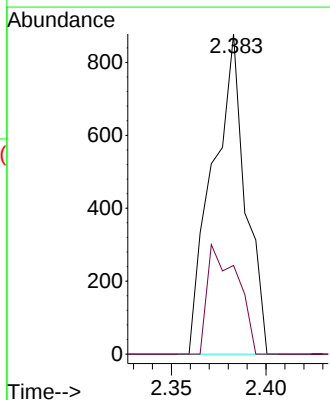
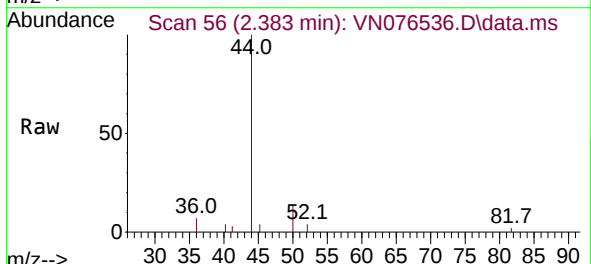
Manual Integrations
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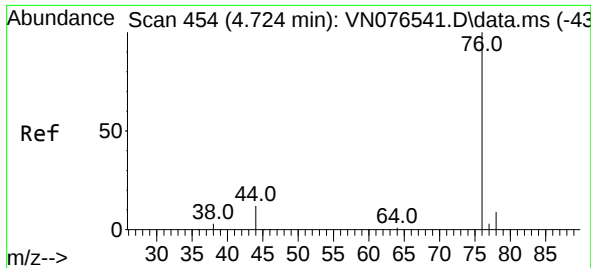
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

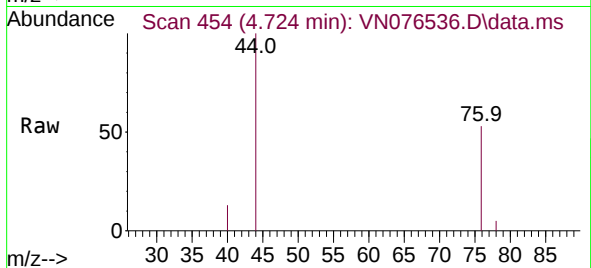
Tgt Ion: 50 Resp: 1059
Ion Ratio Lower Upper
50 100
52 27.7 26.6 40.0





#17
Carbon Disulfide
Concen: 0.364 ug/l
RT: 4.724 min Scan# 410
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

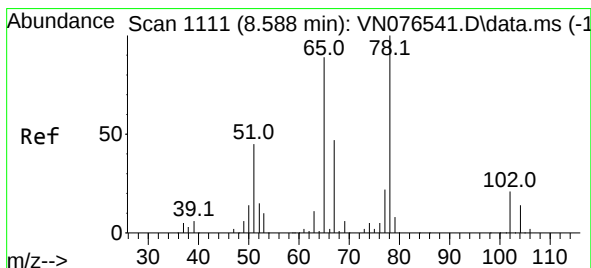
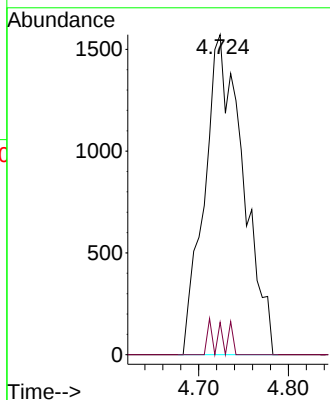
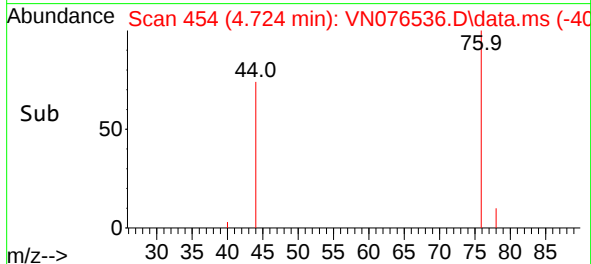
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 76 Resp: 470
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0

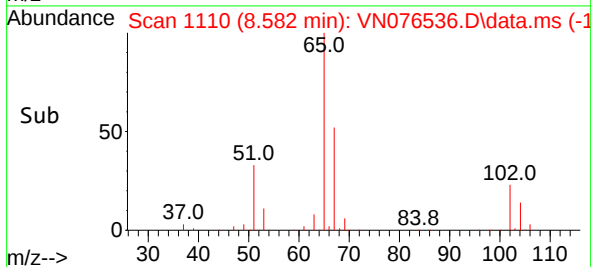
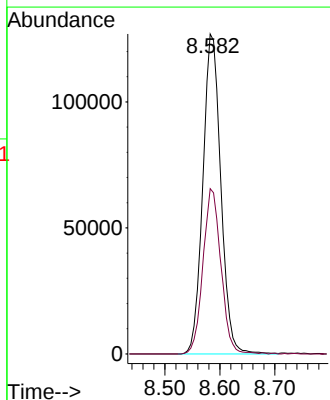
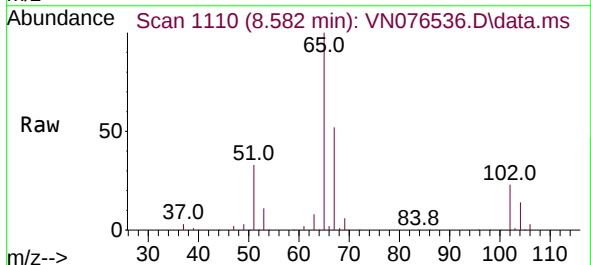
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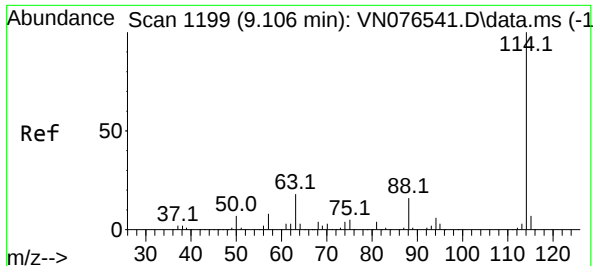
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#33
1,2-Dichloroethane-d4
Concen: 48.221 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Tgt Ion: 65 Resp: 288147
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076536.D

Acq: 06 Feb 2023 11:32

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:114 Resp: 830254

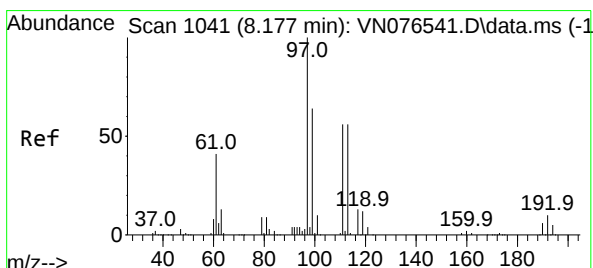
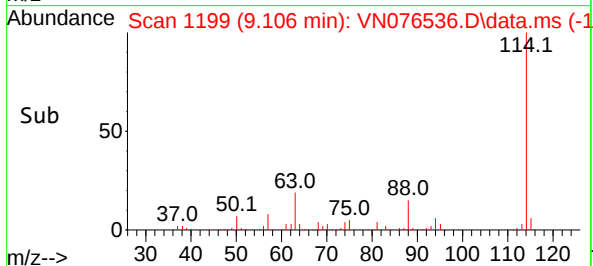
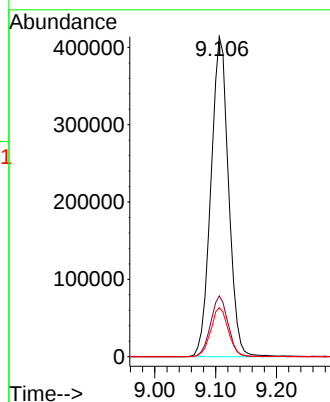
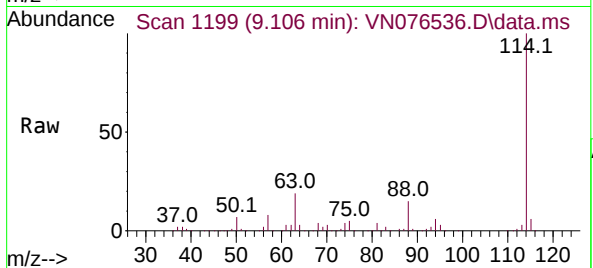
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	36.8
88	15.3	0.0	31.4

Manual Integrations

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Reviewed By :John Carlone 02/07/2023

Supervised By :Mahesh Dadoda 02/07/2023



#35

Dibromofluoromethane

Concen: 49.128 ug/l

RT: 8.177 min Scan# 1041

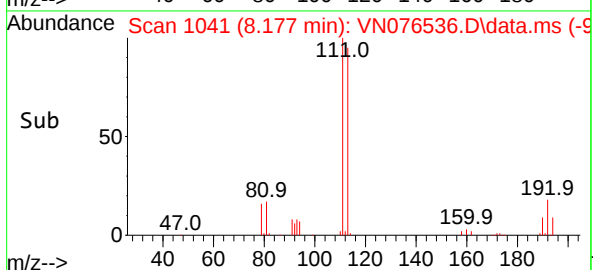
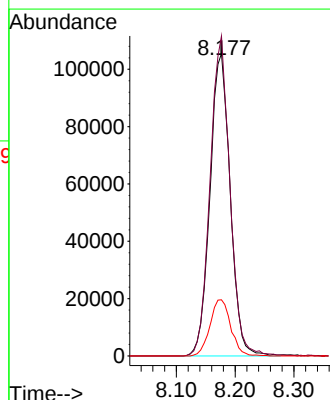
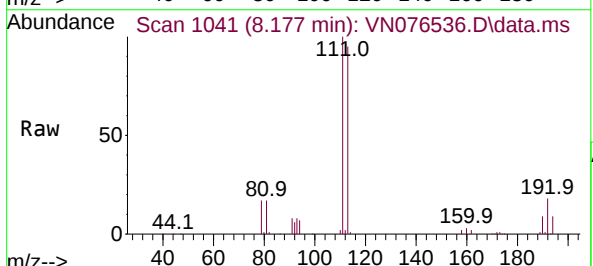
Delta R.T. -0.000 min

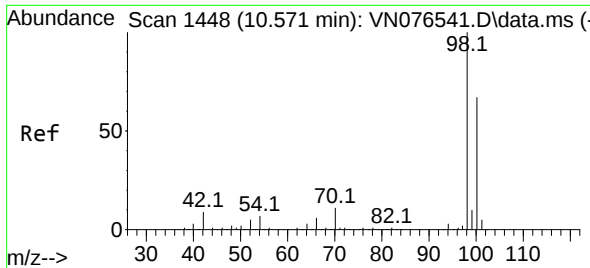
Lab File: VN076536.D

Acq: 06 Feb 2023 11:32

Tgt Ion:113 Resp: 252416

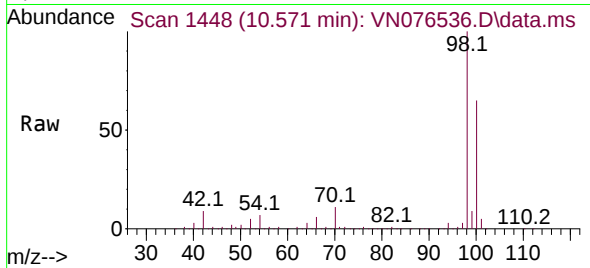
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.5	122.3
192	19.1	15.0	22.4





#50
Toluene-d8
Concen: 49.091 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

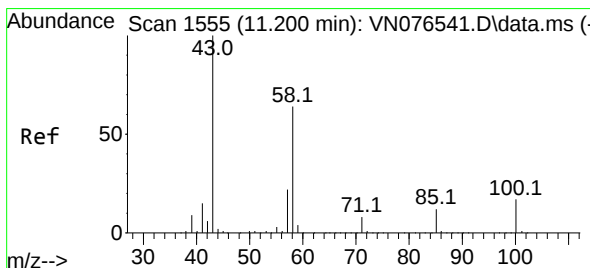
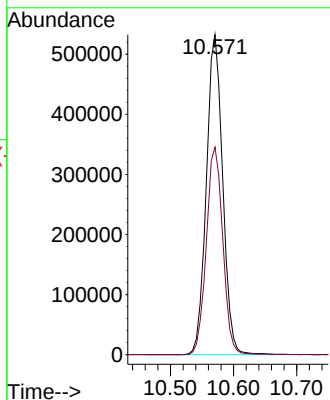
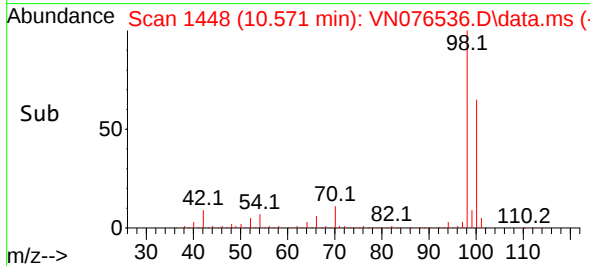
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 98 Resp: 95828
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

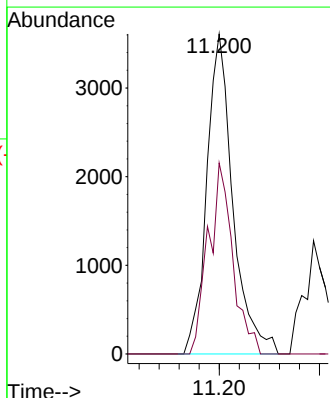
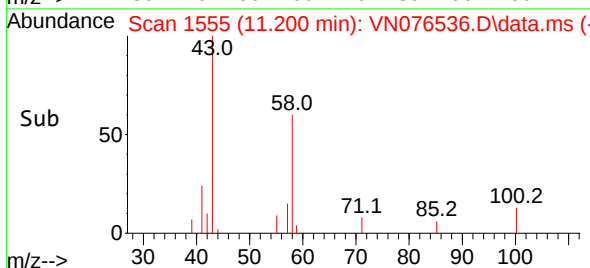
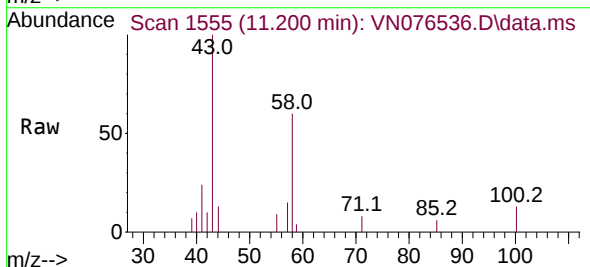
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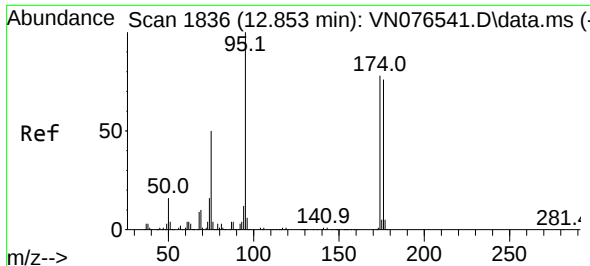
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#59
2-Hexanone
Concen: 1.576 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

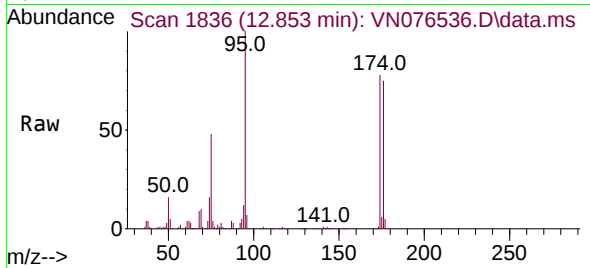
Tgt Ion: 43 Resp: 6535
Ion Ratio Lower Upper
43 100
58 55.8 31.9 95.7





#62
4-Bromofluorobenzene
Concen: 44.307 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

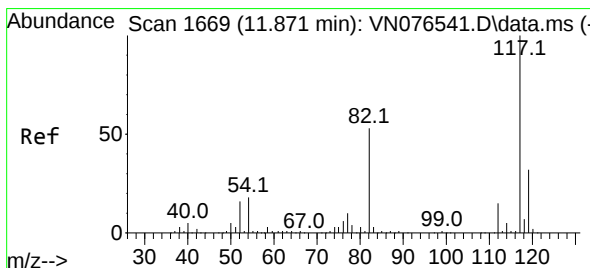
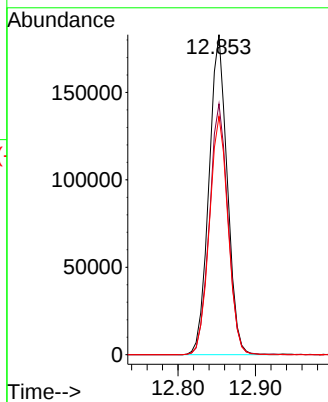
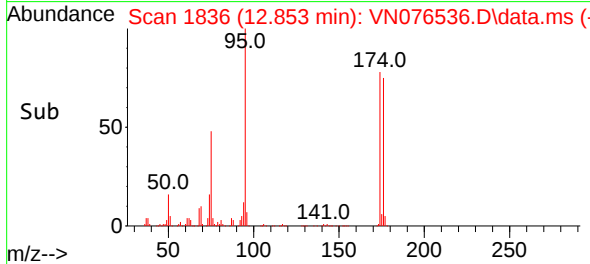
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion: 95 Resp: 29976
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.4
176 76.1 0.0 149.0

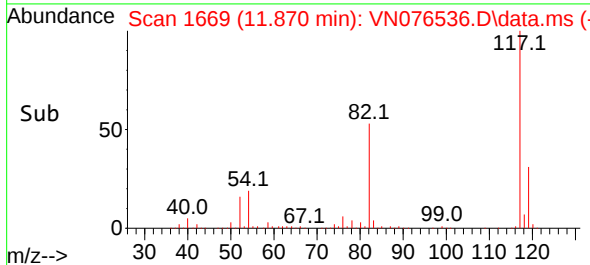
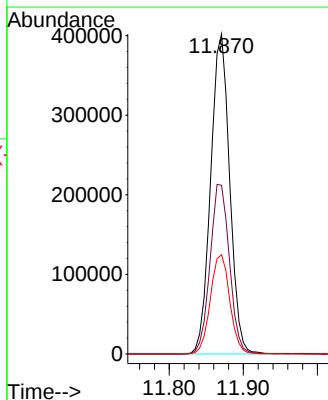
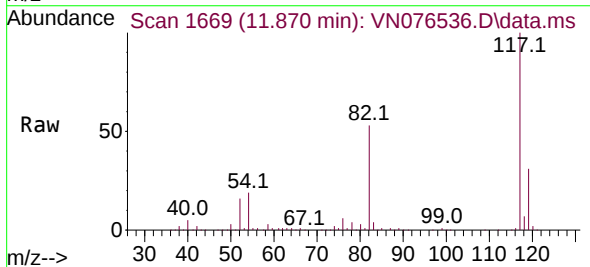
Manual Integrations
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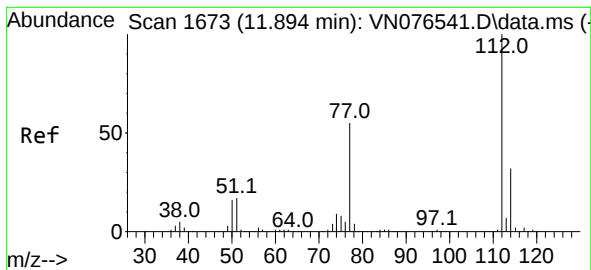
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Tgt Ion:117 Resp: 716329
Ion Ratio Lower Upper
117 100
82 52.7 42.4 63.6
119 31.0 25.8 38.8





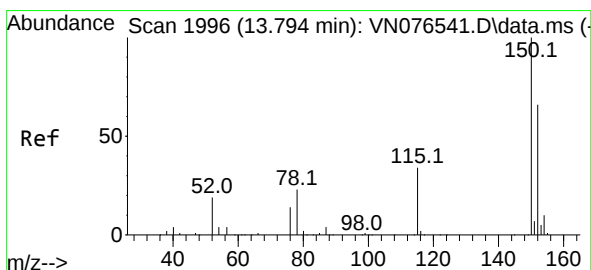
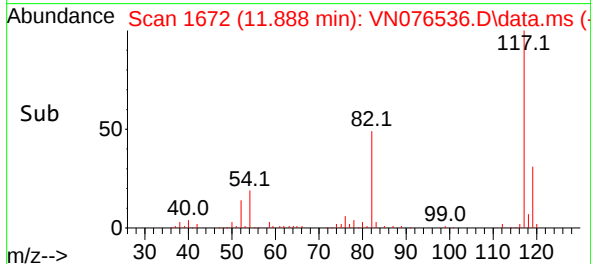
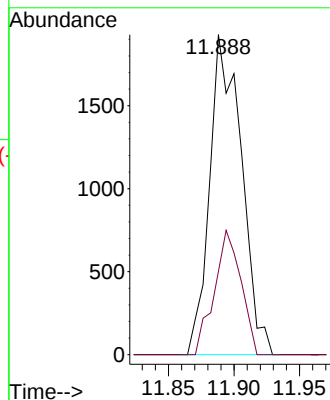
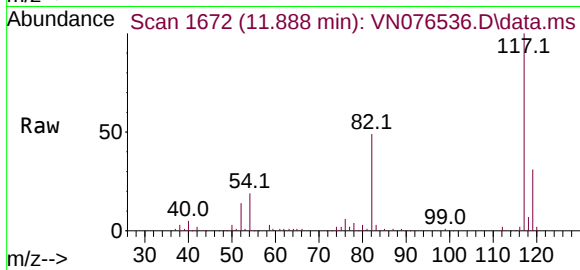
#65
Chlorobenzene
Concen: 0.219 ug/l
RT: 11.888 min Scan# 1112
Delta R.T. -0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:112 Resp: 3238
Ion Ratio Lower Upper
112 100
114 26.0 25.8 38.8

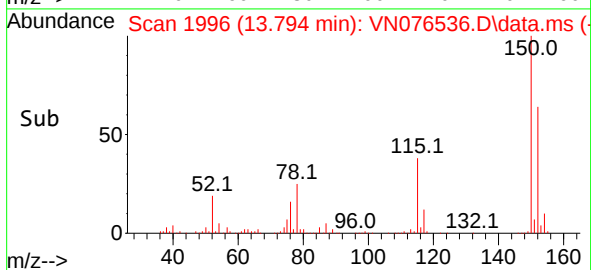
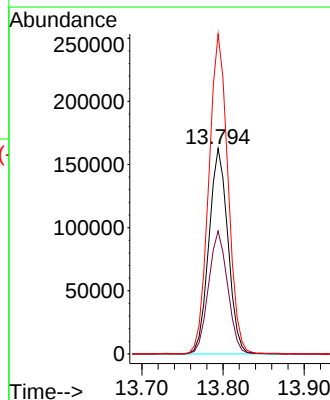
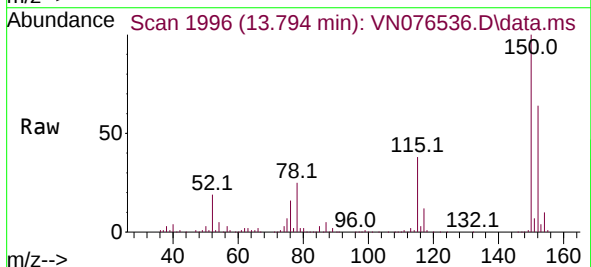
Manual Integrations
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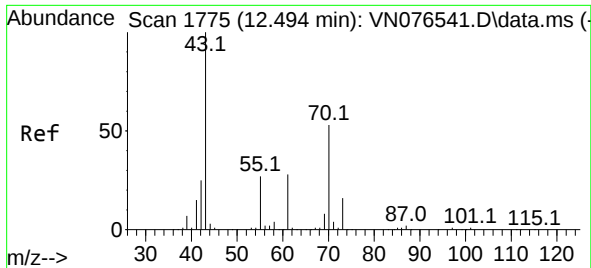
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

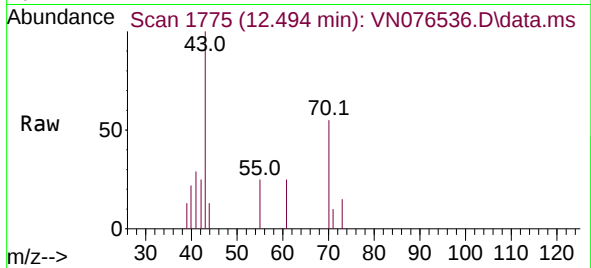
Tgt Ion:152 Resp: 264198
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 157.3 0.0 352.0





#74
N-amy1 acetate
Concen: 0.450 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
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ClientSampleId :
IBLK

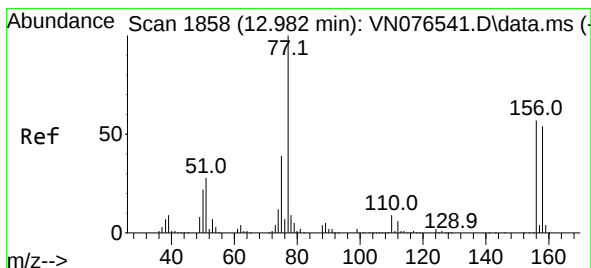
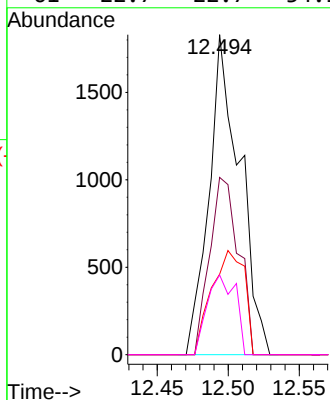
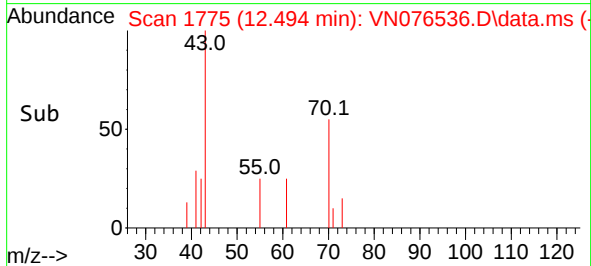


Tgt Ion: 43 Resp: 276

Ion	Ratio	Lower	Upper
43	100		
70	52.2	42.6	64.0
55	34.5	22.3	33.5
61	22.7	22.7	34.1

Manual Integrations
APPROVED

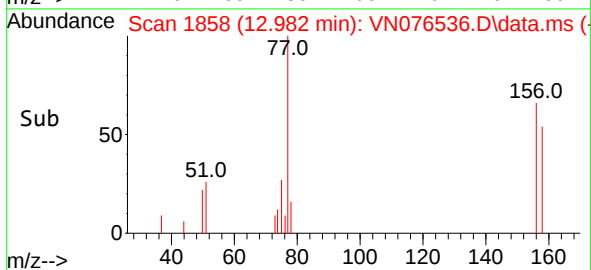
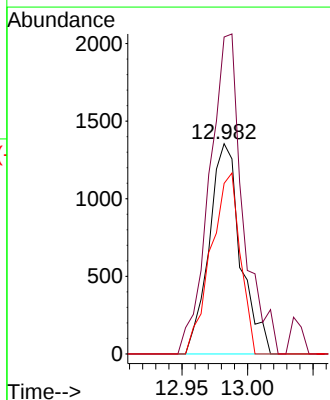
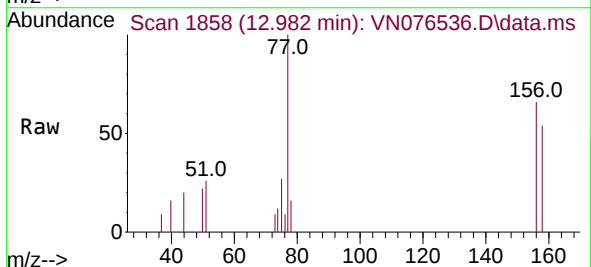
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023

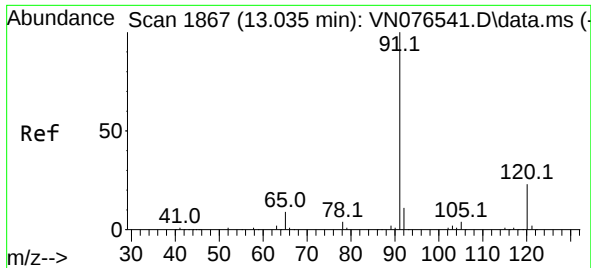


#77
Bromobenzene
Concen: 0.457 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Tgt Ion:156 Resp: 2263

Ion	Ratio	Lower	Upper
156	100		
77	161.8	101.2	303.6
158	79.9	48.5	145.6





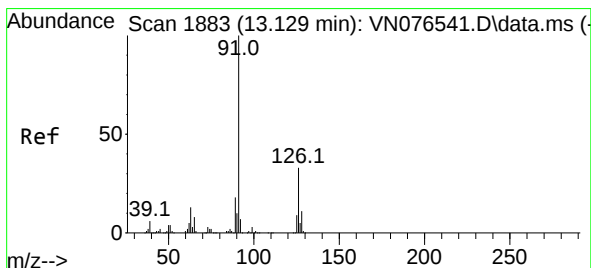
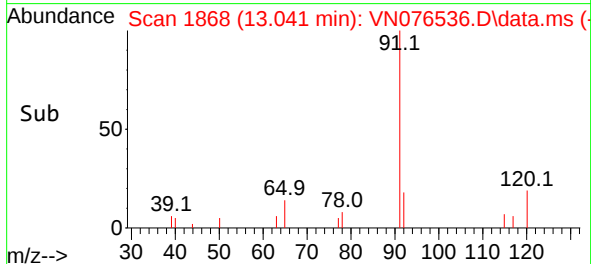
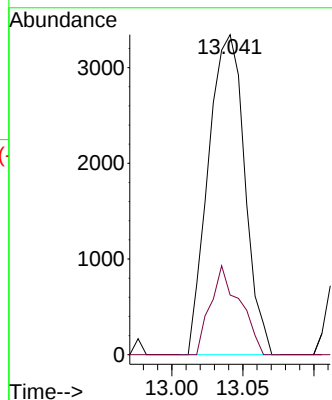
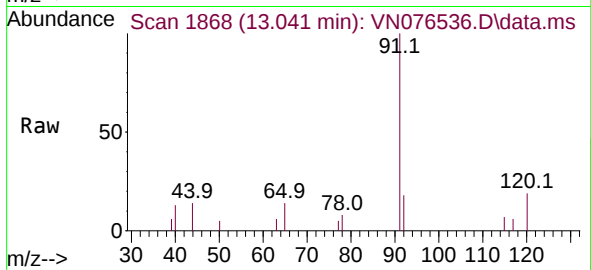
#78
n-propylbenzene
Concen: 0.255 ug/l
RT: 13.041 min Scan# 1867
Delta R.T. 0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 596
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.5

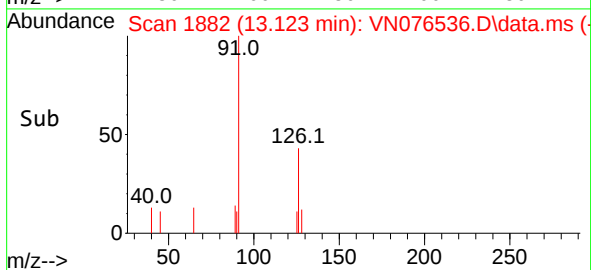
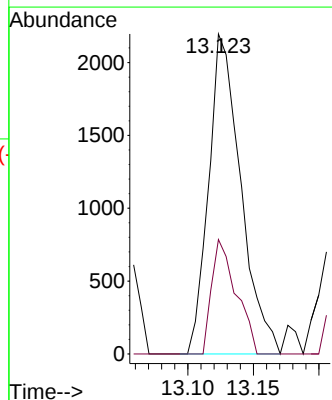
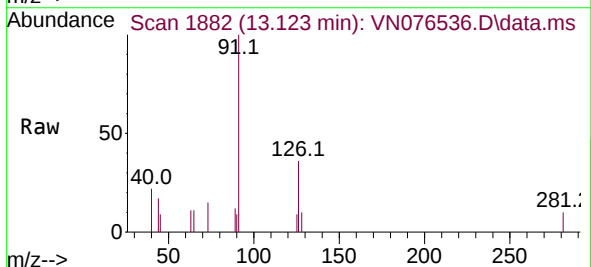
Manual Integrations
APPROVED

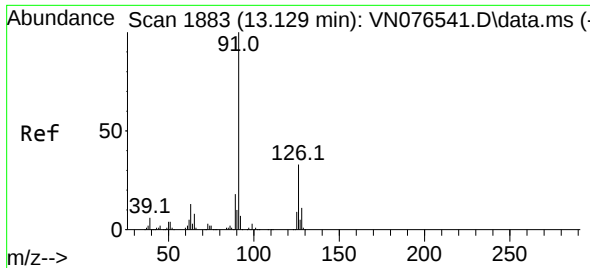
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#79
2-Chlorotoluene
Concen: 0.251 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Tgt Ion: 91 Resp: 3740
Ion Ratio Lower Upper
91 100
126 27.4 16.8 50.3





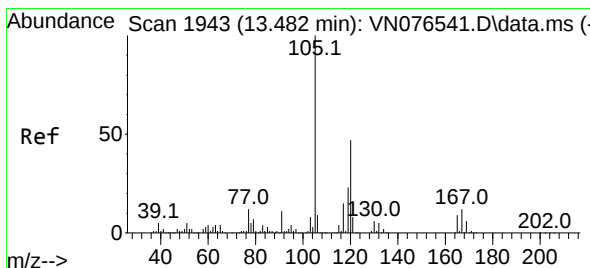
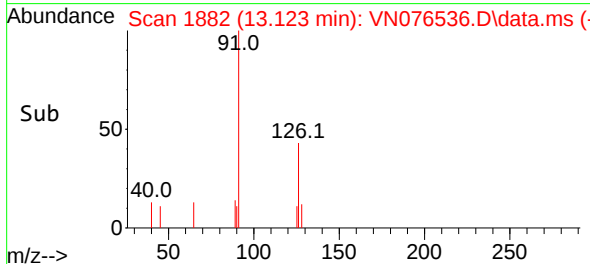
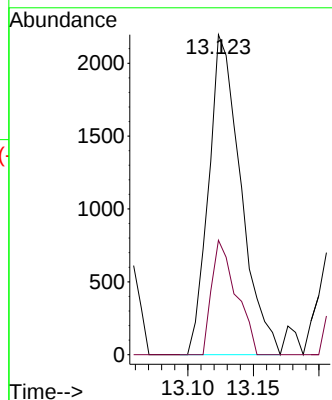
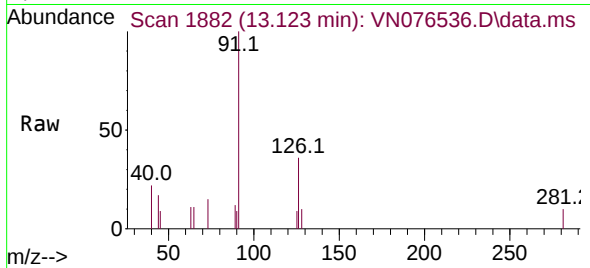
#82
4-Chlorotoluene
Concen: 0.251 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 3740
Ion Ratio Lower Upper
91 100
126 27.4 16.8 50.3

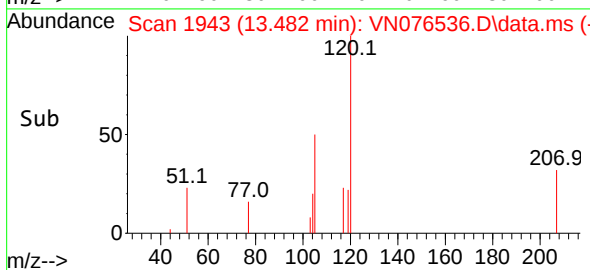
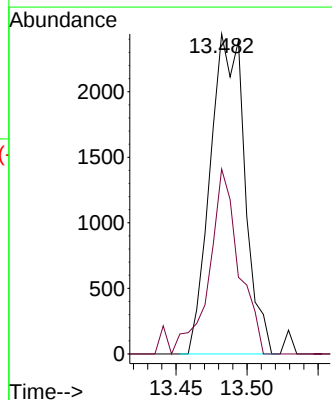
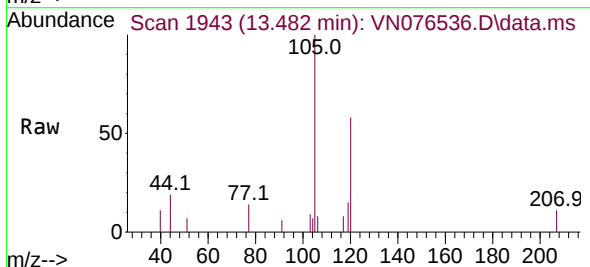
Manual Integrations
APPROVED

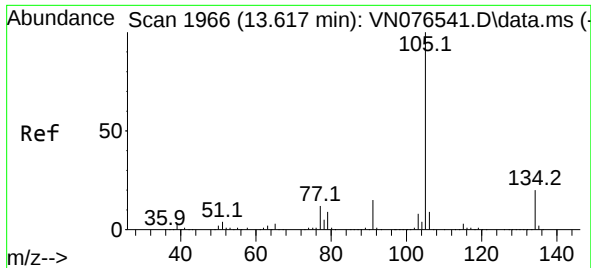
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.233 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

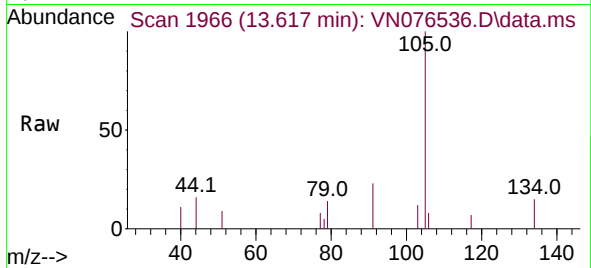
Tgt Ion:105 Resp: 4121
Ion Ratio Lower Upper
105 100
120 49.6 22.5 67.5





#85
 sec-Butylbenzene
 Concen: 0.216 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN076536.D
 Acq: 06 Feb 2023 11:32

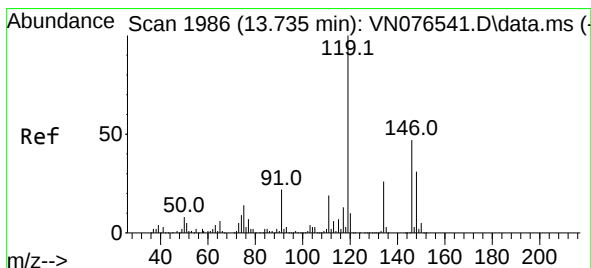
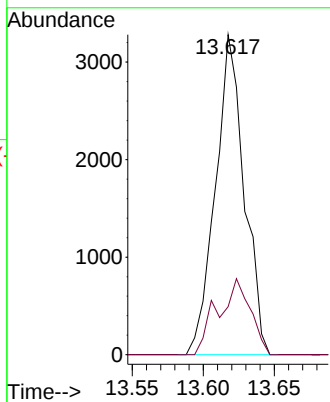
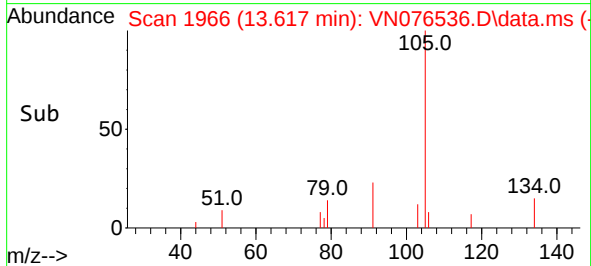
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



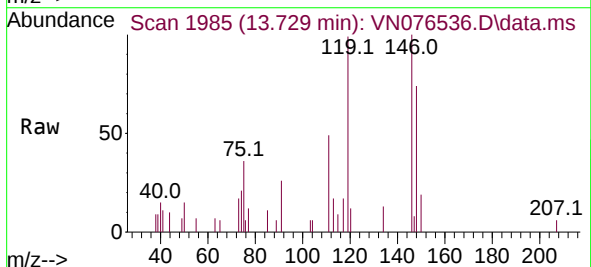
Tgt Ion:105 Resp: 4618
 Ion Ratio Lower Upper
 105 100
 134 26.9 10.0 30.0

Manual Integrations
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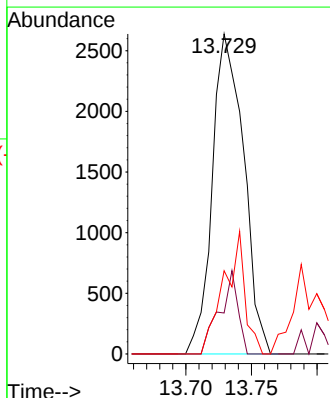
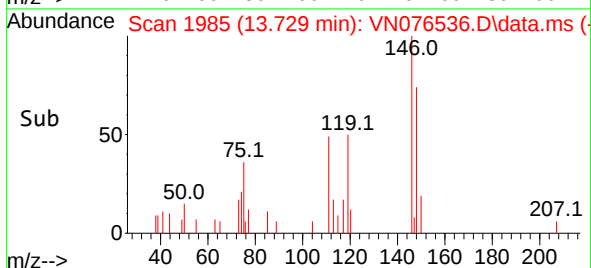
Reviewed By :John Carlone 02/07/2023
 Supervised By :Mahesh Dadoda 02/07/2023

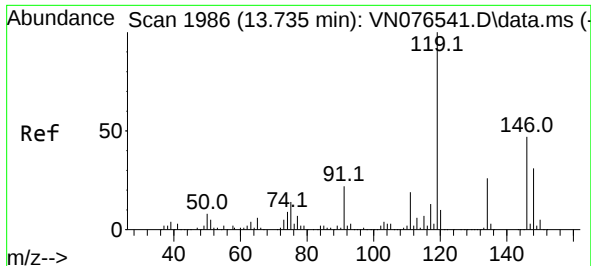


#86
 p-Isopropyltoluene
 Concen: 0.252 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.006 min
 Lab File: VN076536.D
 Acq: 06 Feb 2023 11:32



Tgt Ion:119 Resp: 4388
 Ion Ratio Lower Upper
 119 100
 134 15.2 12.9 38.6
 91 25.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 0.592 ug/l

RT: 13.741 min Scan# 1986

Delta R.T. 0.006 min

Lab File: VN076536.D

Acq: 06 Feb 2023 11:32

Instrument :

MSVOA_N

ClientSampleId :

IBLK

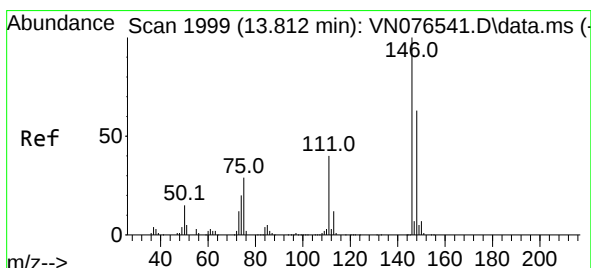
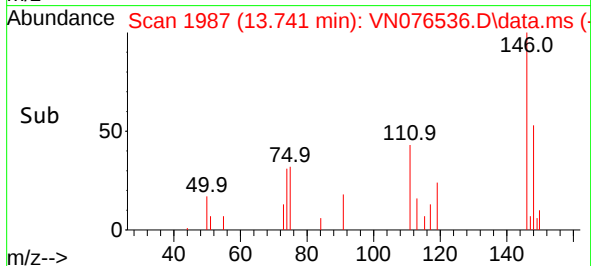
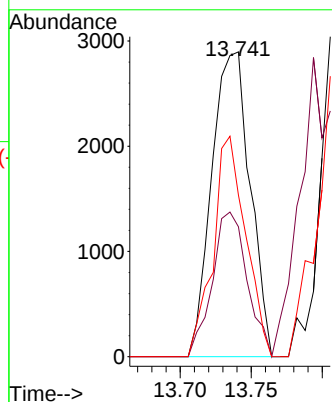
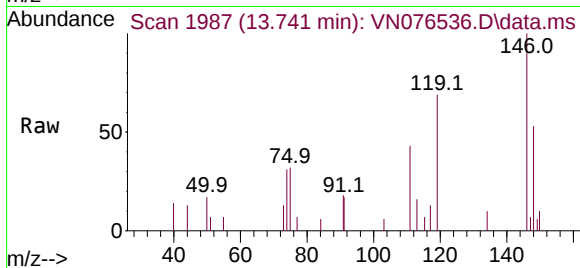
Tgt Ion:146	Resp:	543
Ion Ratio	Lower	Upper
146	100	
111	43.2	20.5 61.5
148	61.4	32.0 96.2

Manual Integrations

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Reviewed By :John Carlone 02/07/2023

Supervised By :Mahesh Dadoda 02/07/2023



#88

1,4-Dichlorobenzene

Concen: 0.829 ug/l m

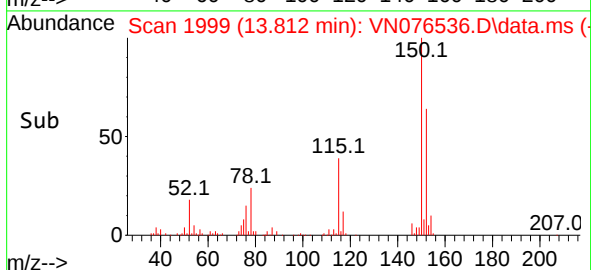
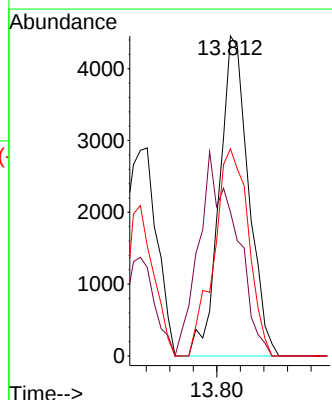
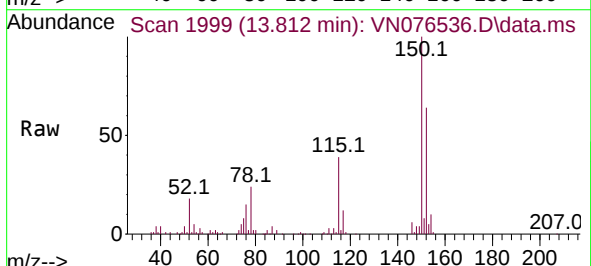
RT: 13.812 min Scan# 1999

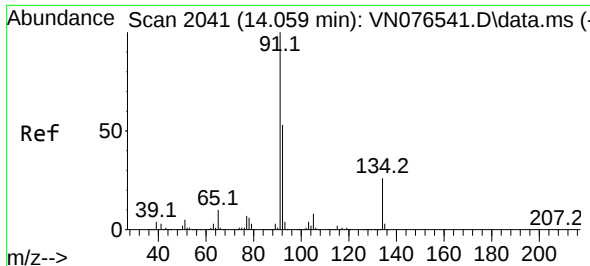
Delta R.T. -0.000 min

Lab File: VN076536.D

Acq: 06 Feb 2023 11:32

Tgt Ion:146	Resp:	7673
Ion Ratio	Lower	Upper
146	100	
111	30.6	20.1 60.2
148	43.5	31.6 95.0





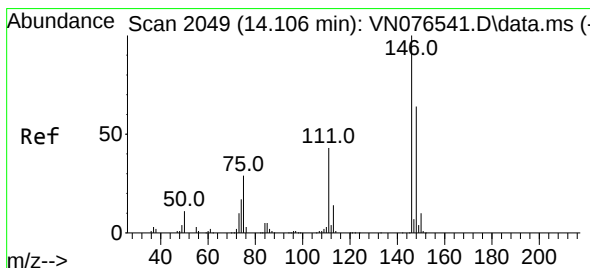
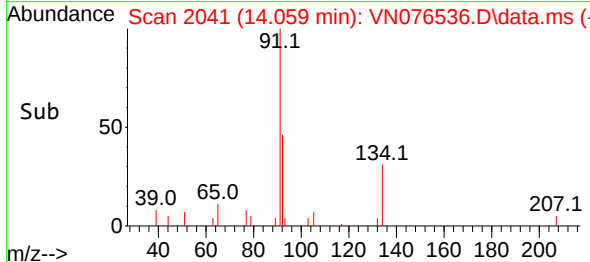
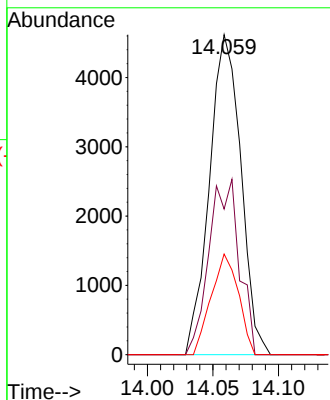
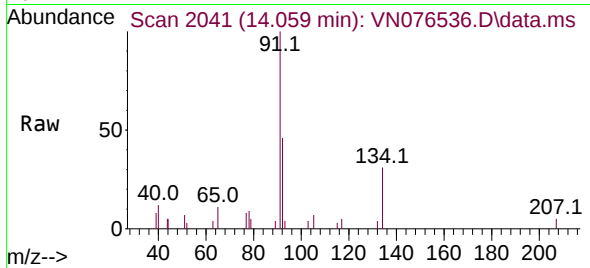
#89
n-Butylbenzene
Concen: 0.557 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 91 Resp: 7699
Ion Ratio Lower Upper
91 100
92 52.6 26.9 80.7
134 27.3 13.0 39.0

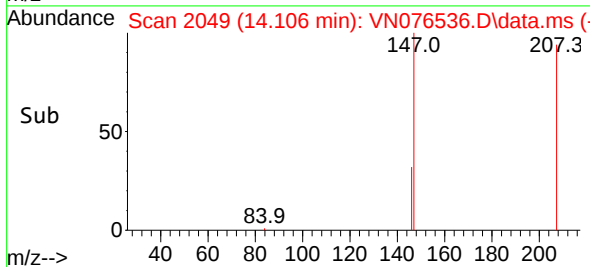
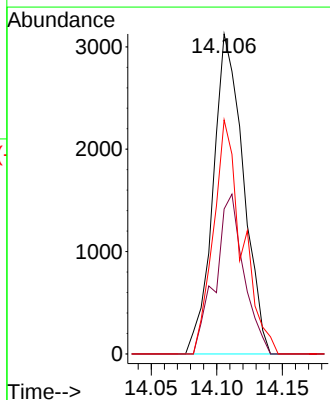
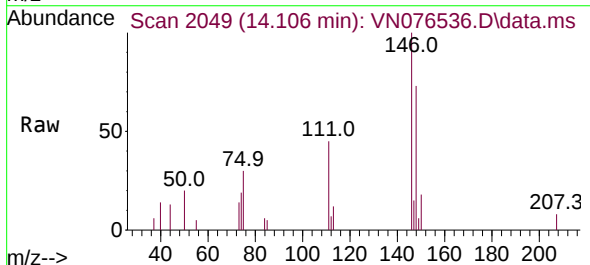
Manual Integrations
APPROVED

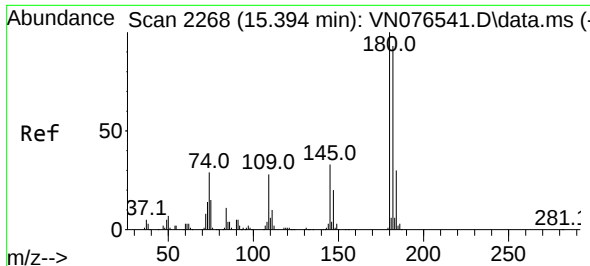
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#91
1,2-Dichlorobenzene
Concen: 0.557 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Tgt Ion:146 Resp: 5017
Ion Ratio Lower Upper
146 100
111 46.9 21.3 63.9
148 69.4 32.3 96.9





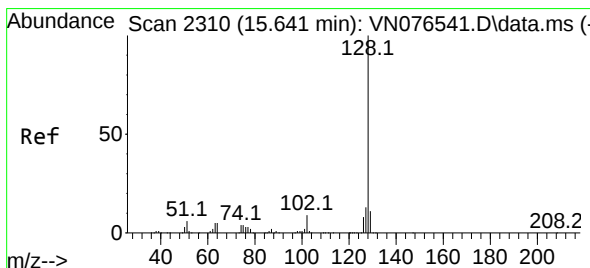
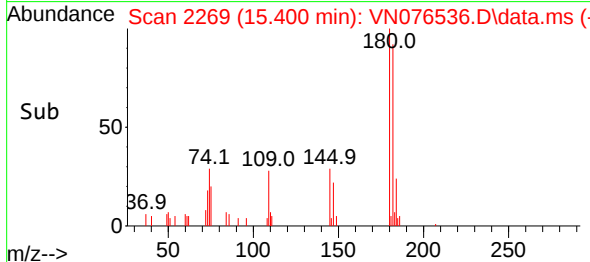
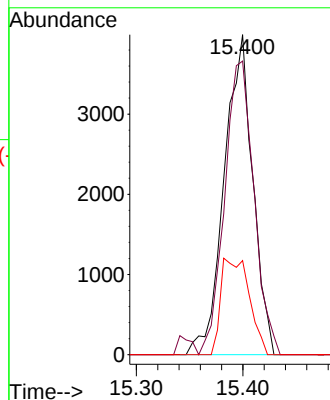
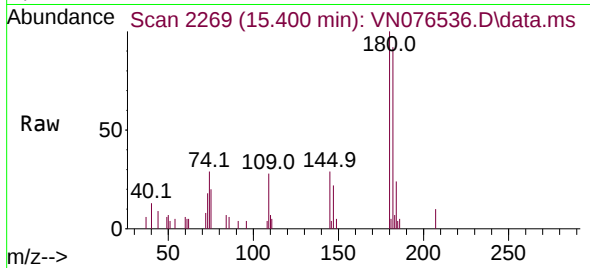
#93
1,2,4-Trichlorobenzene
Concen: 1.870 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:180 Resp: 7424
Ion Ratio Lower Upper
180 100
182 94.2 47.2 141.6
145 30.0 16.1 48.2

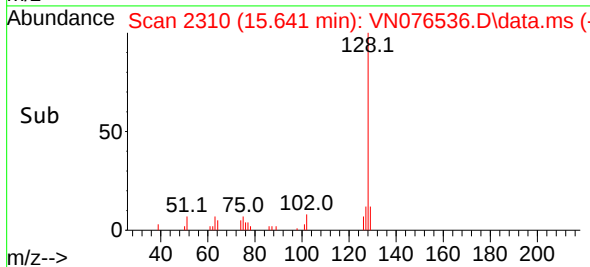
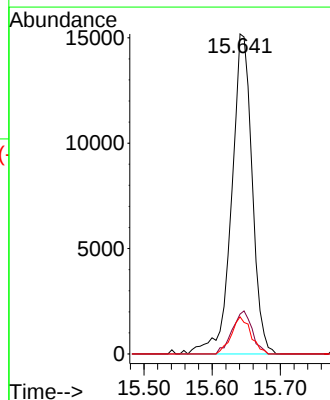
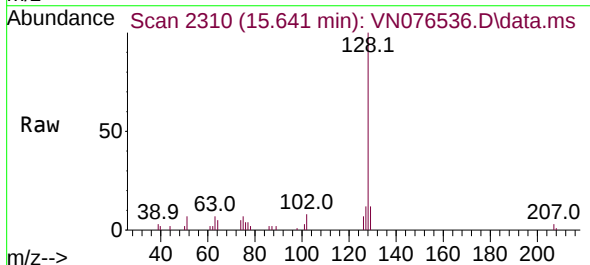
Manual Integrations
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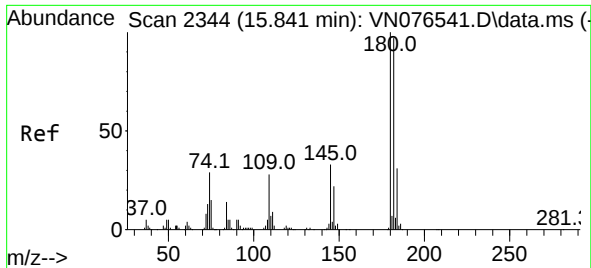
Reviewed By :John Carlone 02/07/2023
Supervised By :Mahesh Dadoda 02/07/2023



#95
Naphthalene
Concen: 2.714 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076536.D
Acq: 06 Feb 2023 11:32

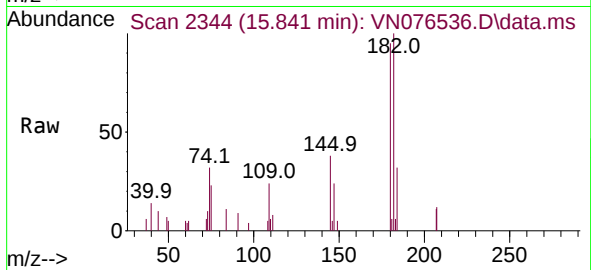
Tgt Ion:128 Resp: 31730
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 11.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.145 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN076536.D
 Acq: 06 Feb 2023 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.6	47.6	142.8
145	32.2	16.8	50.3

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/07/2023
 Supervised By :Mahesh Dadoda 02/07/2023

