

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091424\
 Data File : VN083901.D
 Acq On : 14 Sep 2024 19:32
 Operator : JC\MD
 Sample : P3886-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06-6.5-090624

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/16/2024
 Supervised By : Mahesh Dadoda 09/16/2024

Quant Time: Sep 16 01:40:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

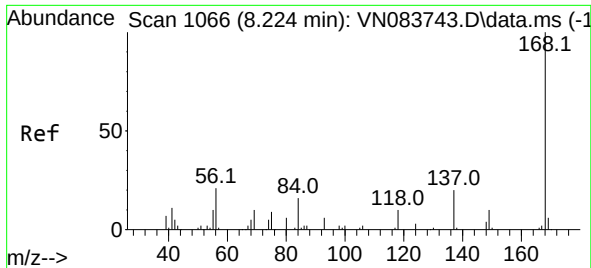
Internal Standards						
1) Pentafluorobenzene	8.224	168	182580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	312463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	274515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129502	47.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.080%		
35) Dibromofluoromethane	8.165	113	92581	46.282	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.560%		
50) Toluene-d8	10.565	98	348053	50.331	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.660%		
62) 4-Bromofluorobenzene	12.847	95	123917	43.433	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	86.860%		
Target Compounds					Qvalue	
4) Vinyl Chloride	2.512	62	10319	4.440	ug/l #	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	9184799	4392.425	ug/l	96
12) 1,1-Dichloroethene	4.342	96	91385	46.276	ug/l	89
16) Acetone	4.377	43	124690	112.982	ug/l #	82
20) Methylene Chloride	5.277	84	18559	8.218	ug/l	91
21) trans-1,2-Dichloroethene	5.800	96	3853	1.821	ug/l #	79
24) 1,1-Dichloroethane	6.565	63	10537	2.525	ug/l #	90
27) cis-1,2-Dichloroethene	7.489	96	1264677	503.389	ug/l	90
30) Chloroform	7.965	83	13353	3.014	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	58829	14.441	ug/l	95
40) Benzene	8.606	78	25704	2.836	ug/l	98
42) 1,2-Dichloroethane	8.665	62	7699	2.274	ug/l	92
44) Trichloroethene	9.347	130	29579240m	14095.045	ug/l	
52) Toluene	10.624	92	2776	0.501	ug/l	88
55) 1,1,2-Trichloroethane	11.018	97	12902	6.235	ug/l	96
64) Tetrachloroethene	11.100	164	153476	84.069	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	4679	1.089	ug/l #	68

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

Manual Integrations
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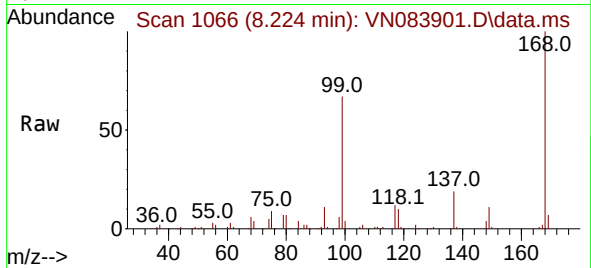
Quant Time: Sep 16 01:40:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

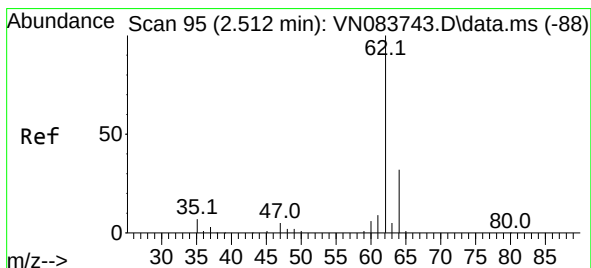
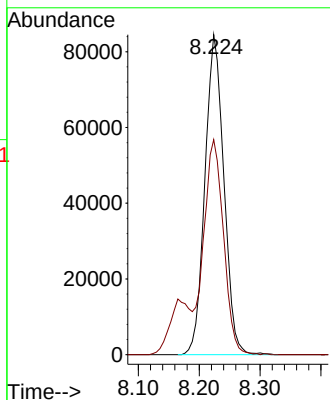
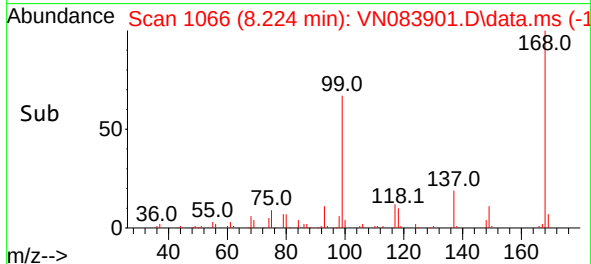
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



Tgt Ion:168 Resp: 182580
Ion Ratio Lower Upper
168 100
99 67.2 54.2 81.2

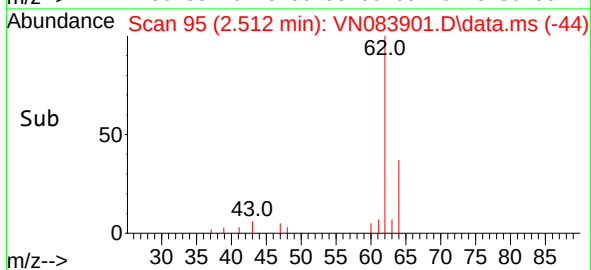
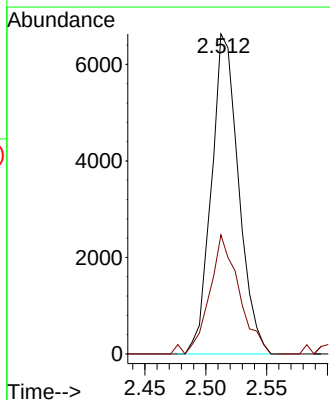
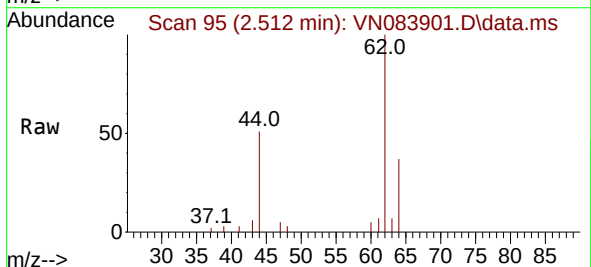
Manual Integrations
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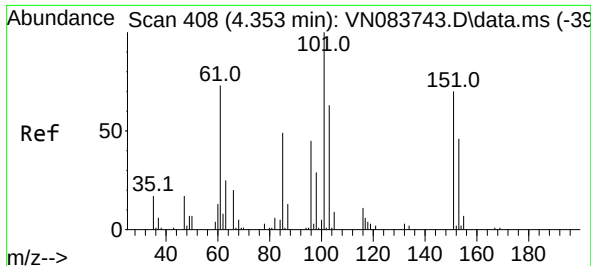
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#4
Vinyl Chloride
Concen: 4.440 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

Tgt Ion: 62 Resp: 10319
Ion Ratio Lower Upper
62 100
64 37.2 24.7 37.1#





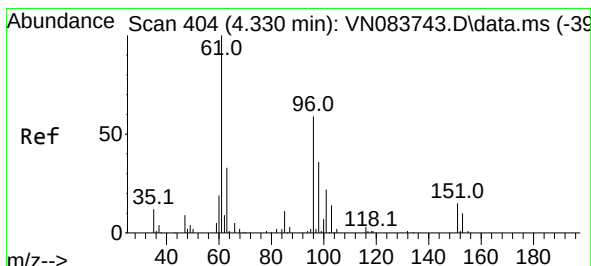
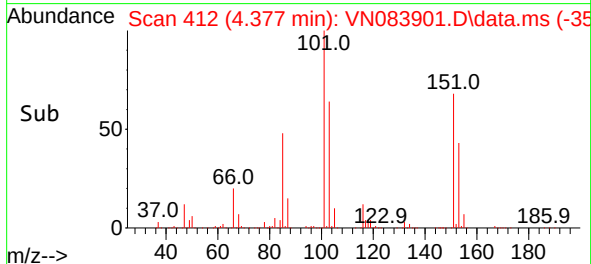
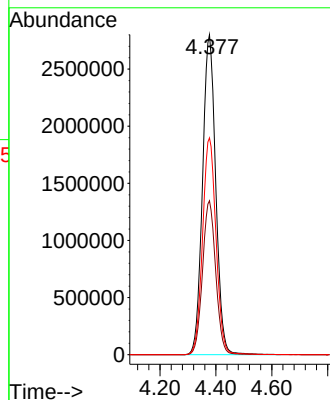
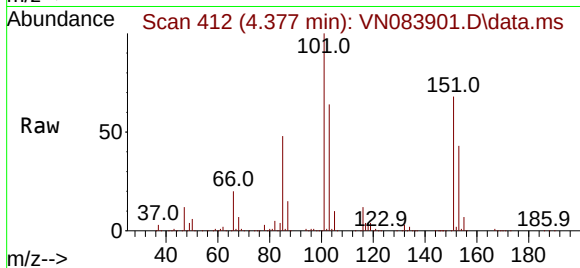
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4392.425 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.024 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624

Tgt Ion:101 Resp: 918479
Ion Ratio Lower Upper
101 100
85 48.2 36.2 54.4
151 69.0 57.7 86.5

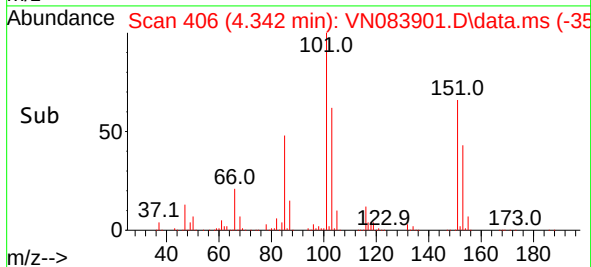
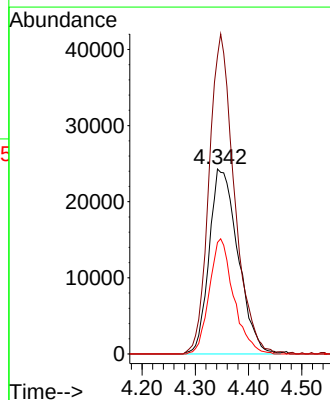
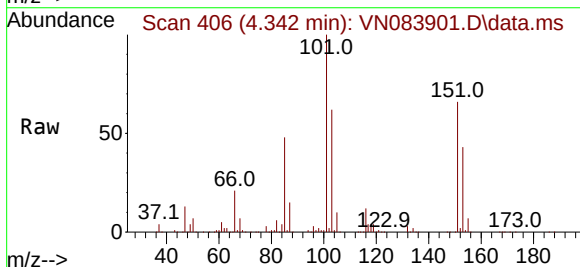
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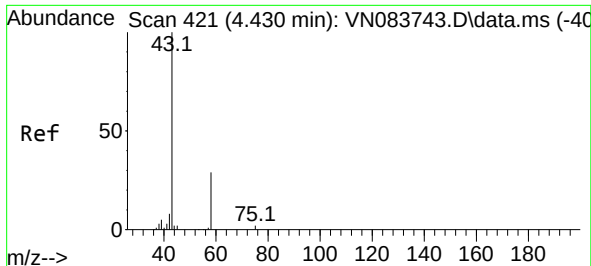
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#12
1,1-Dichloroethene
Concen: 46.276 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

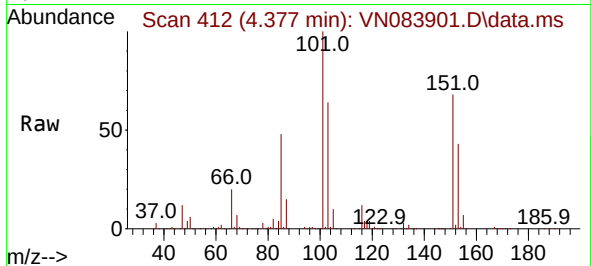
Tgt Ion: 96 Resp: 91385
Ion Ratio Lower Upper
96 100
61 160.9 143.4 215.0
98 60.3 52.7 79.1





#16
Acetone
Concen: 112.982 ug/l
RT: 4.377 min Scan# 412
Delta R.T. -0.053 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

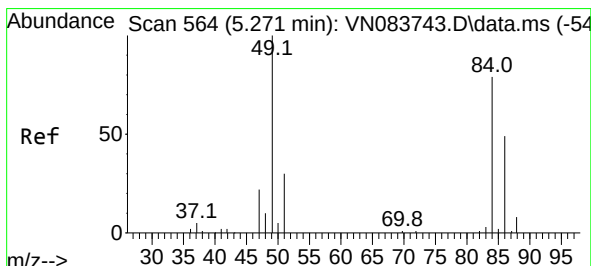
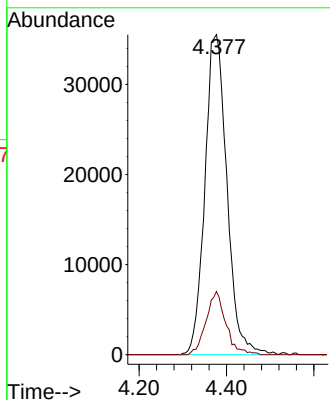
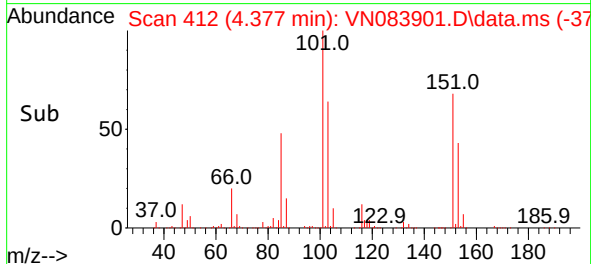
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



Tgt Ion: 43 Resp: 124690
Ion Ratio Lower Upper
43 100
58 19.7 23.7 35.5

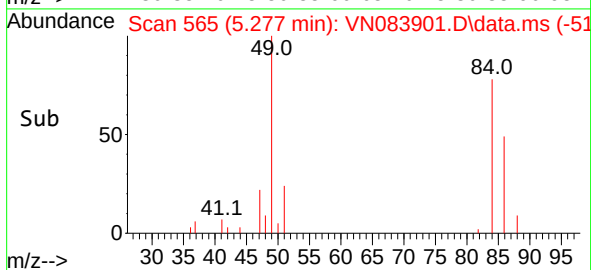
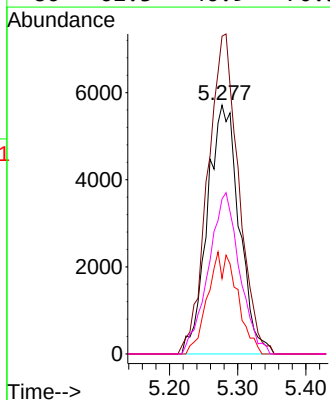
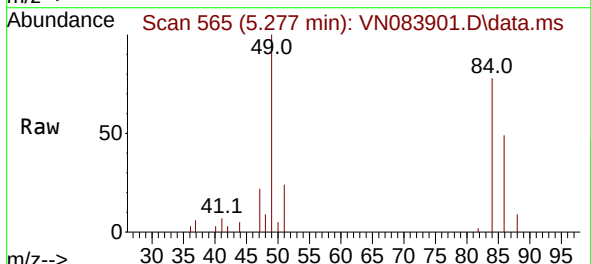
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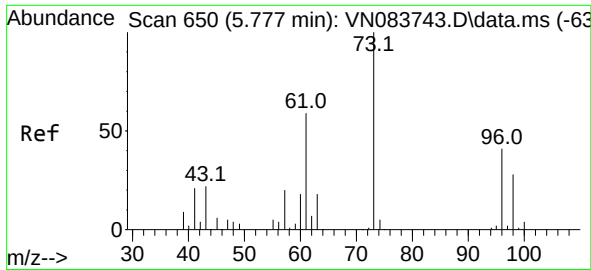
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#20
Methylene Chloride
Concen: 8.218 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

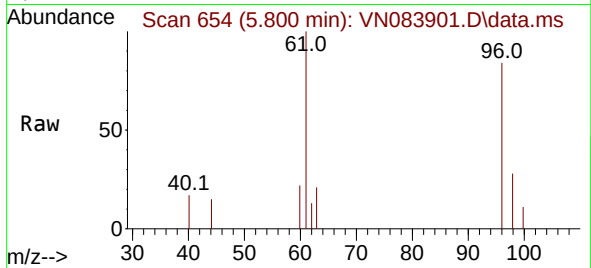
Tgt Ion: 84 Resp: 18559
Ion Ratio Lower Upper
84 100
49 127.7 93.4 140.0
51 30.4 29.2 43.8
86 62.3 46.9 70.3





#21
trans-1,2-Dichloroethene
Concen: 1.821 ug/l
RT: 5.800 min Scan# 610
Delta R.T. 0.024 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

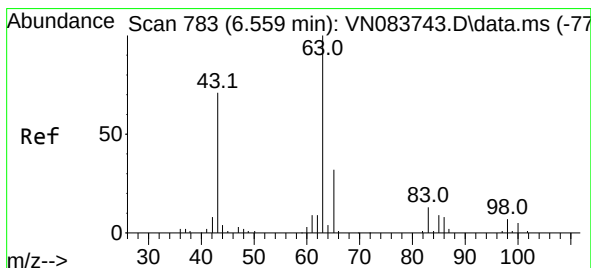
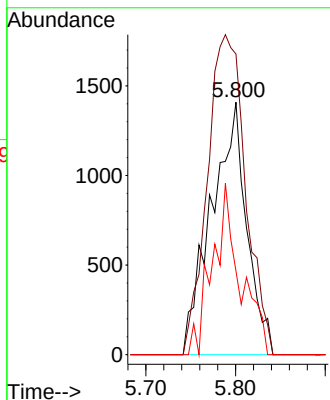
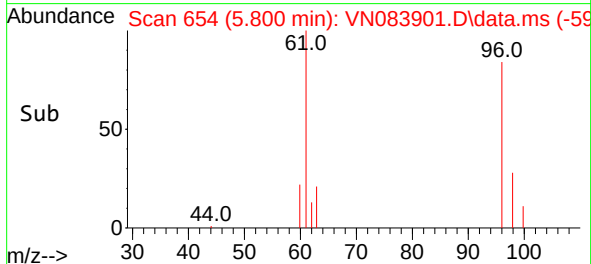
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



Tgt Ion: 96 Resp: 385
Ion Ratio Lower Upper
96 100
61 119.1 106.0 159.0
98 33.1 52.2 78.2

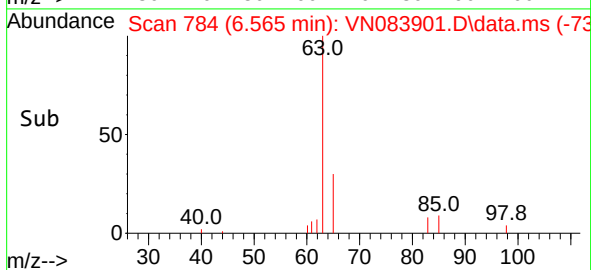
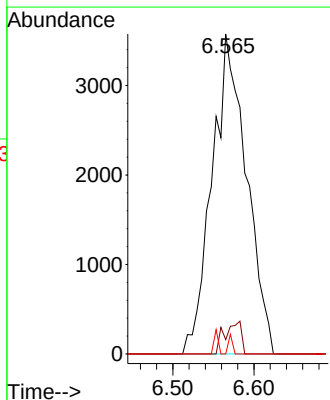
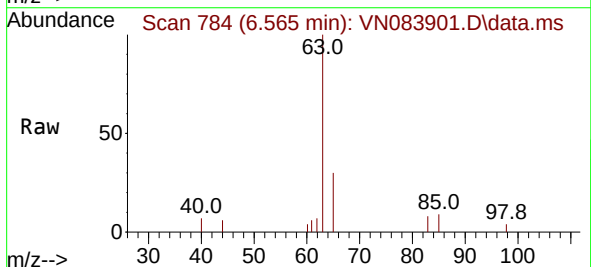
Manual Integrations
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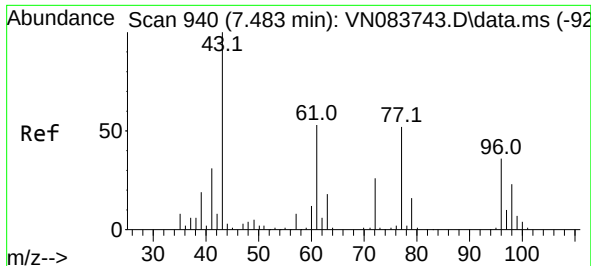
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#24
1,1-Dichloroethane
Concen: 2.525 ug/l
RT: 6.565 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

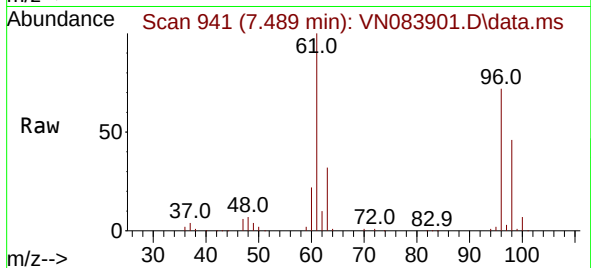
Tgt Ion: 63 Resp: 10537
Ion Ratio Lower Upper
63 100
98 4.4 3.5 10.4
100 0.0 2.5 7.5





#27
cis-1,2-Dichloroethene
Concen: 503.389 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

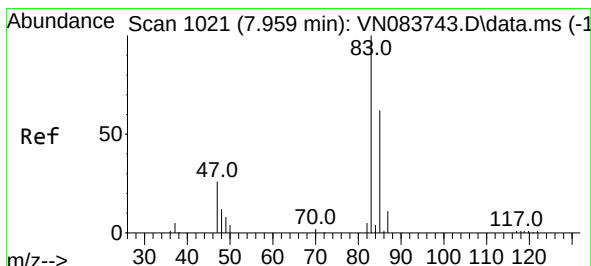
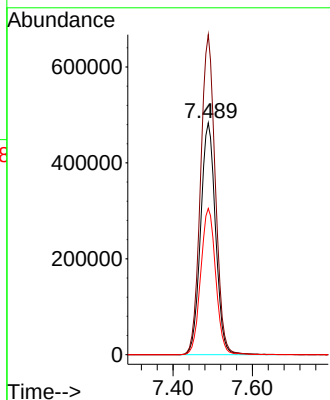
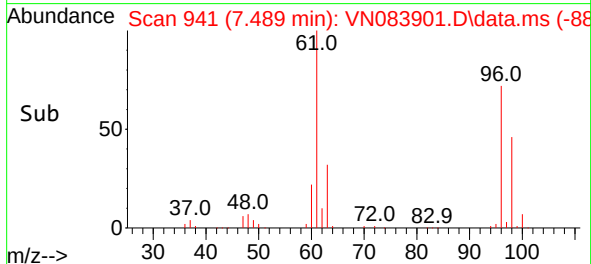
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



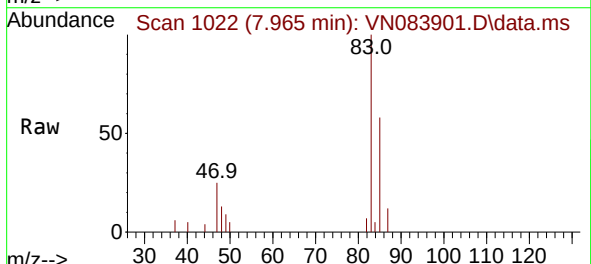
Tgt Ion: 96 Resp: 126467
Ion Ratio Lower Upper
96 100
61 136.2 0.0 306.2
98 63.5 0.0 128.6

Manual Integrations
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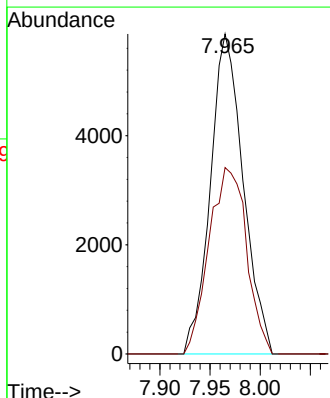
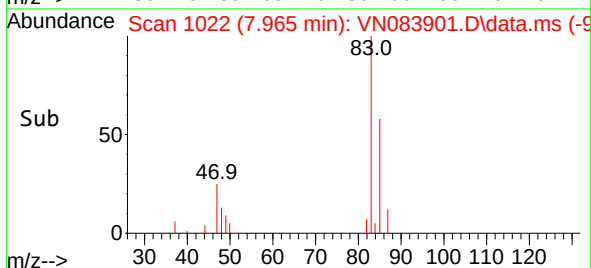
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

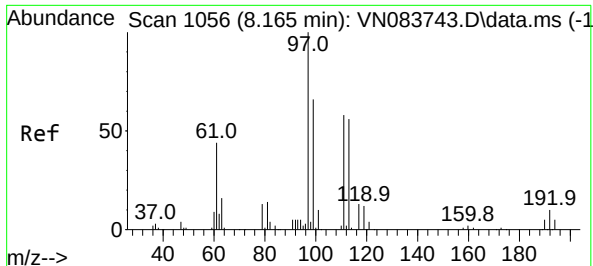


#30
Chloroform
Concen: 3.014 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32



Tgt Ion: 83 Resp: 13353
Ion Ratio Lower Upper
83 100
85 58.3 52.8 79.2





#32

1,1,1-Trichloroethane

Concen: 14.441 ug/l

RT: 8.177 min Scan# 1056

Delta R.T. 0.012 min

Lab File: VN083901.D

Acq: 14 Sep 2024 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-06-6.5-090624

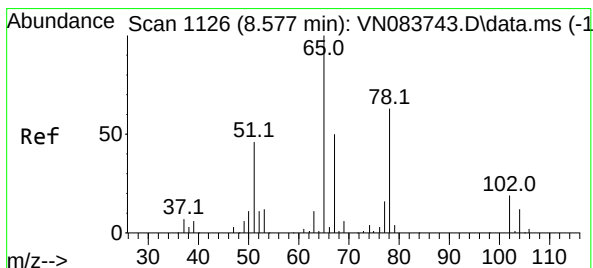
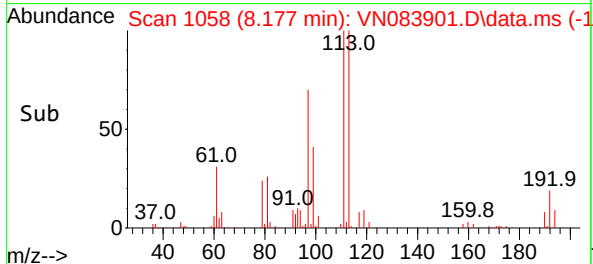
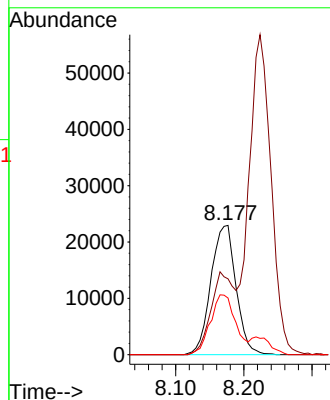
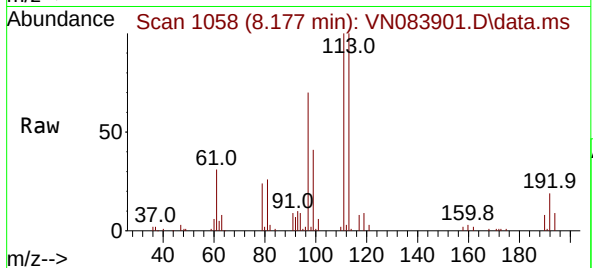
Tgt Ion: 97	Resp: 58829
Ion Ratio	Lower Upper
97	100
99	58.8 52.3 78.5
61	46.8 38.2 57.2

Manual Integrations

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Reviewed By :John Carlone 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024



#33

1,2-Dichloroethane-d4

Concen: 47.039 ug/l

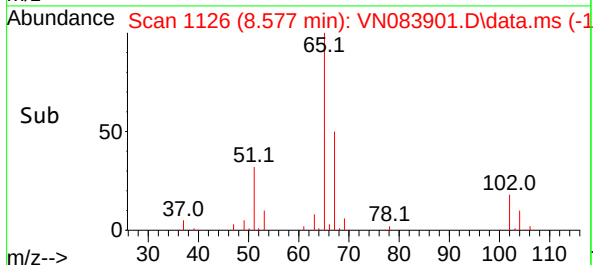
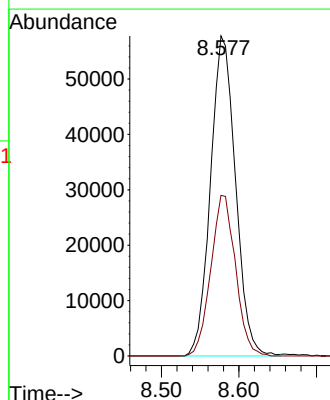
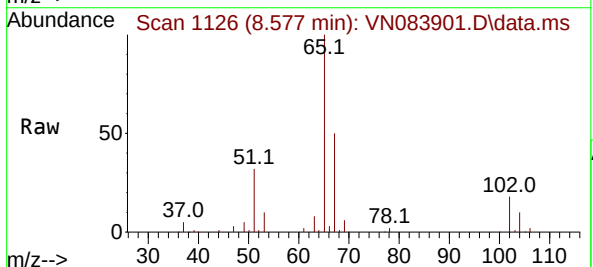
RT: 8.577 min Scan# 1126

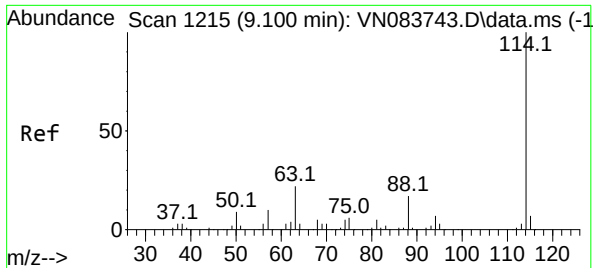
Delta R.T. 0.000 min

Lab File: VN083901.D

Acq: 14 Sep 2024 19:32

Tgt Ion: 65	Resp: 129502
Ion Ratio	Lower Upper
65	100
67	49.6 0.0 100.8





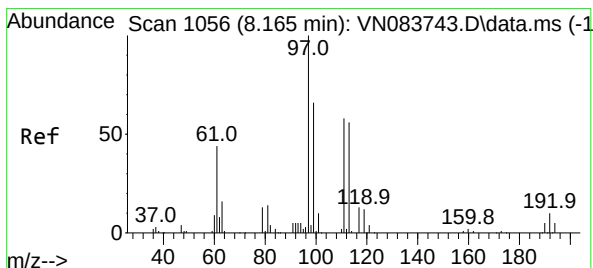
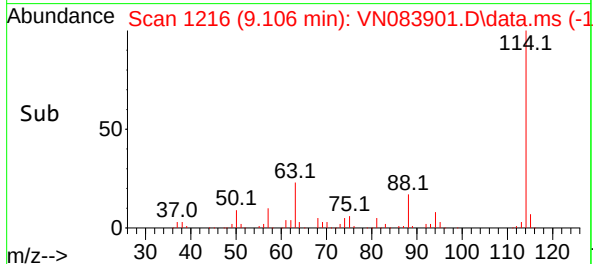
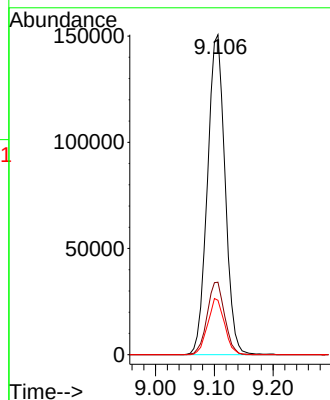
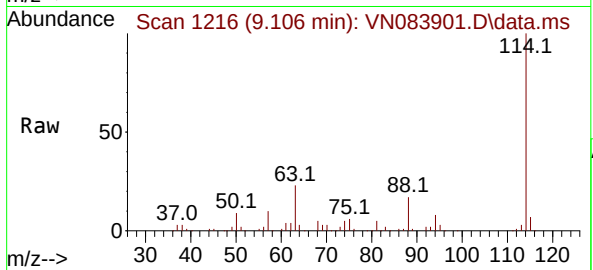
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624

Tgt Ion:114 Resp: 31246
Ion Ratio Lower Upper
114 100
63 22.7 0.0 43.4
88 17.0 0.0 32.6

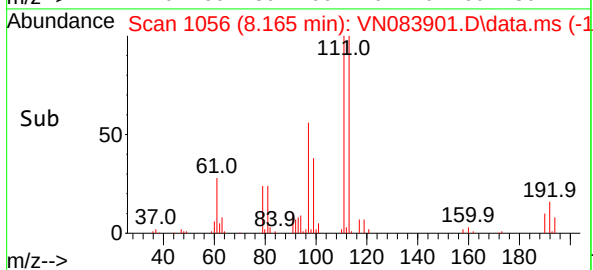
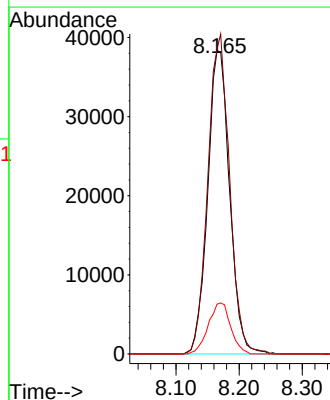
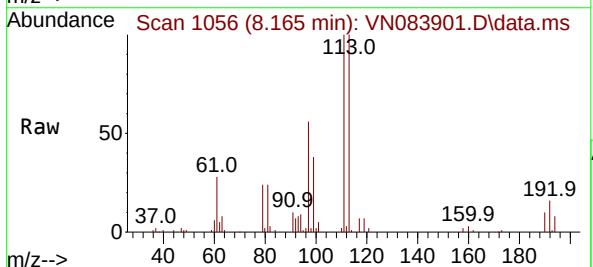
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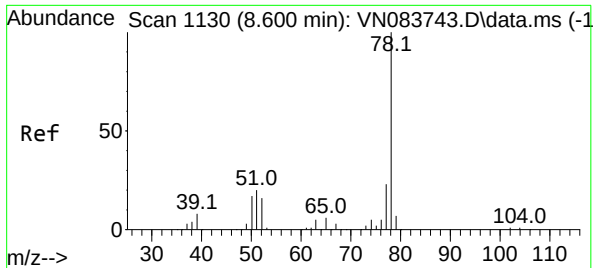
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#35
Dibromofluoromethane
Concen: 46.282 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

Tgt Ion:113 Resp: 92581
Ion Ratio Lower Upper
113 100
111 104.4 82.6 124.0
192 17.2 14.3 21.5





#40

Benzene

Concen: 2.836 ug/l

RT: 8.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN083901.D

Acq: 14 Sep 2024 19:32

Instrument :

MSVOA_N

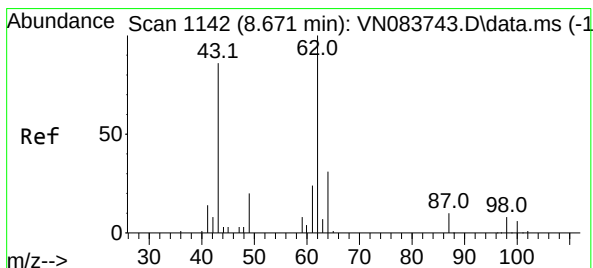
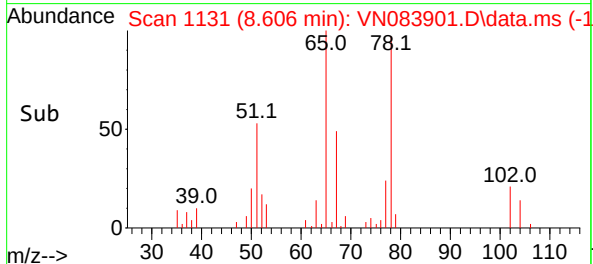
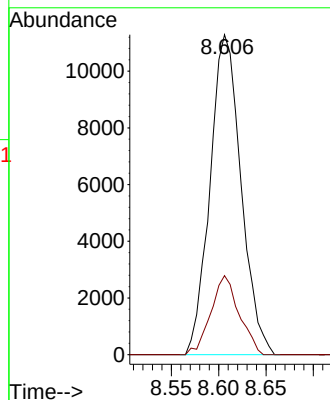
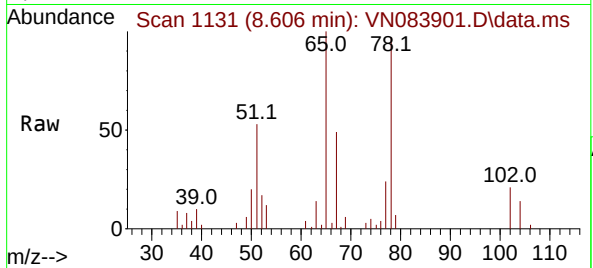
ClientSampleId :

MW-06-6.5-090624

Tgt Ion: 78 Resp: 25704
 Ion Ratio Lower Upper
 78 100
 77 24.7 19.0 28.6

Manual Integrations
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Reviewed By :John Carlone 09/16/2024
 Supervised By :Mahesh Dadoda 09/16/2024



#42

1,2-Dichloroethane

Concen: 2.274 ug/l

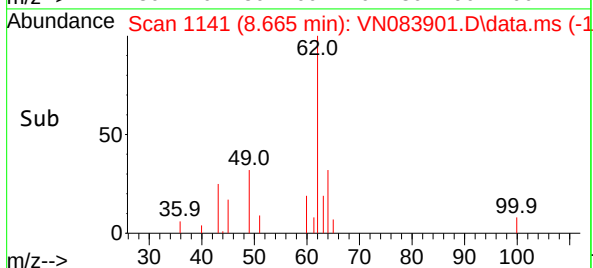
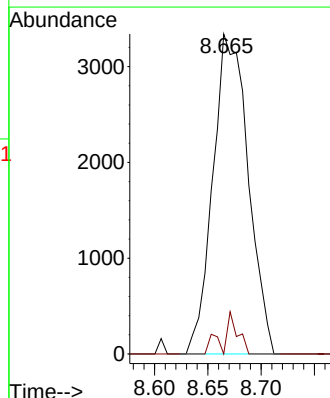
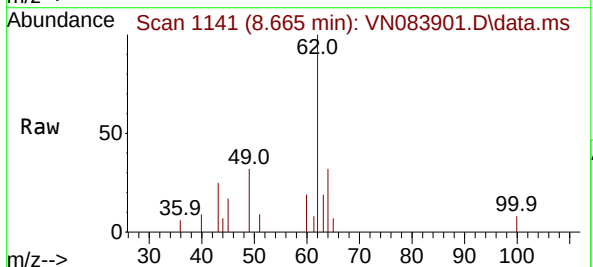
RT: 8.665 min Scan# 1141

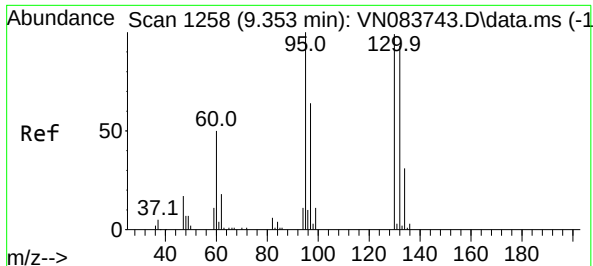
Delta R.T. -0.006 min

Lab File: VN083901.D

Acq: 14 Sep 2024 19:32

Tgt Ion: 62 Resp: 7699
 Ion Ratio Lower Upper
 62 100
 98 5.6 0.0 16.6





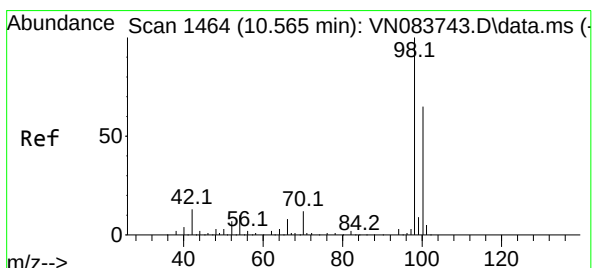
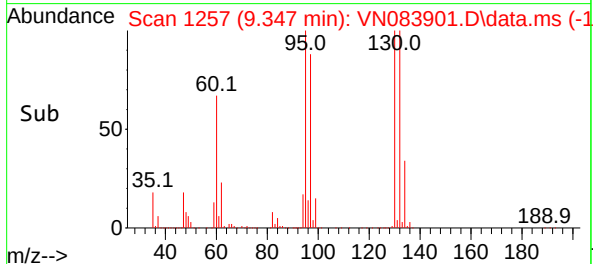
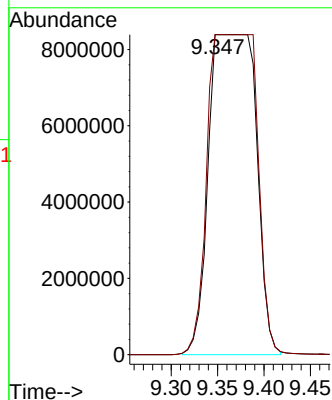
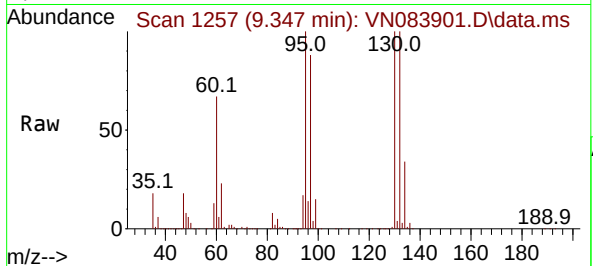
#44
Trichloroethene
Concen: 14095.045 ug/l m
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624

Tgt Ion:130 Resp:29579240
Ion Ratio Lower Upper
130 100
95 100.0 0.0 200.4

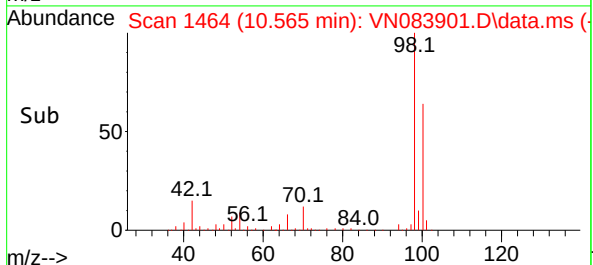
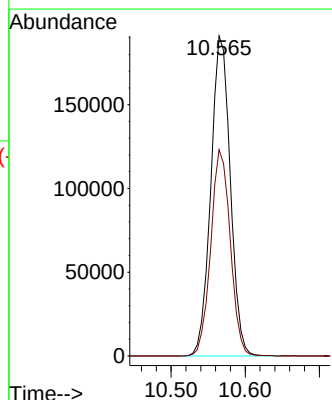
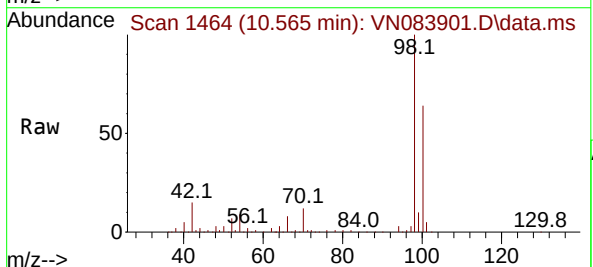
Manual Integrations
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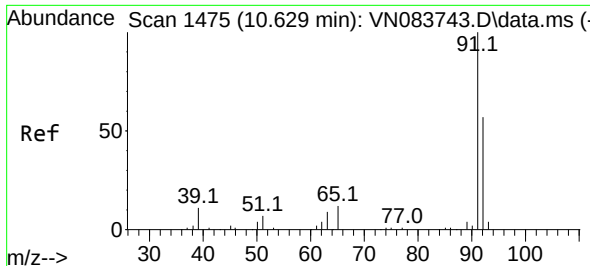
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#50
Toluene-d8
Concen: 50.331 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

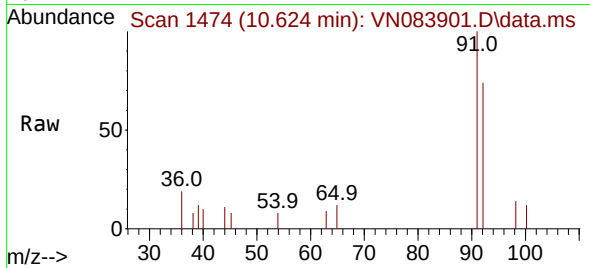
Tgt Ion: 98 Resp: 348053
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0





#52
Toluene
Concen: 0.501 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

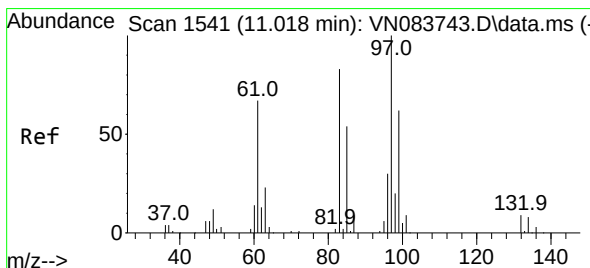
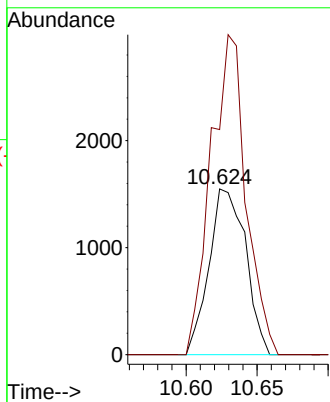
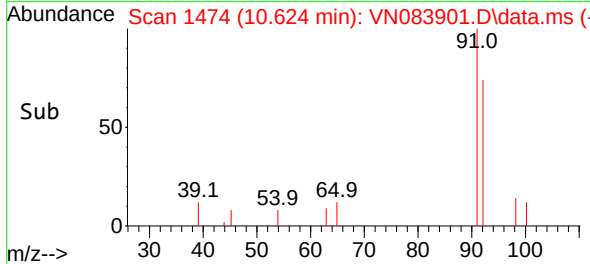
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



Tgt Ion: 92 Resp: 2770
Ion Ratio Lower Upper
92 100
91 185.3 134.7 202.1

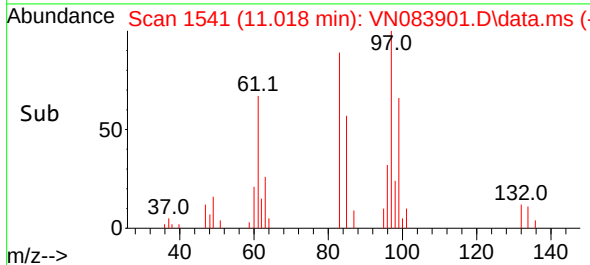
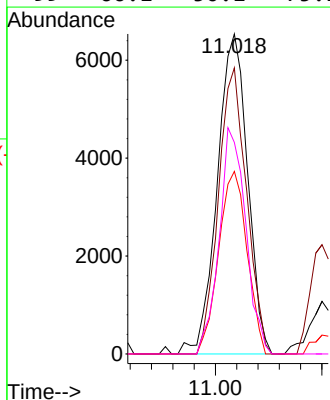
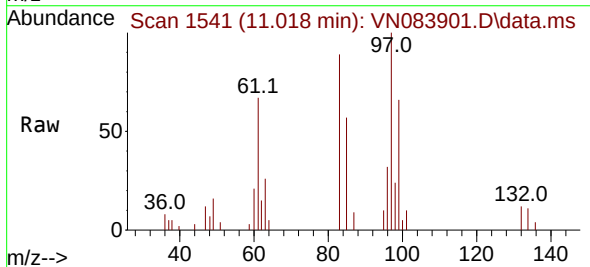
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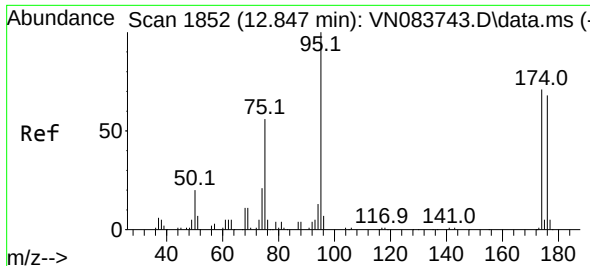
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024



#55
1,1,2-Trichloroethane
Concen: 6.235 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

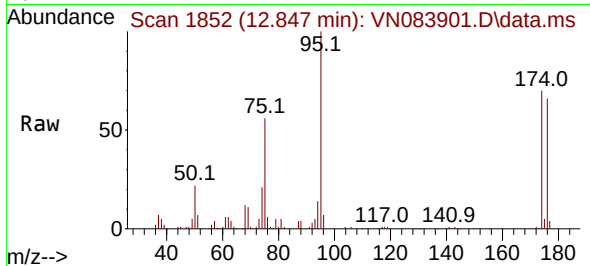
Tgt Ion: 97 Resp: 12902
Ion Ratio Lower Upper
97 100
83 89.4 67.5 101.3
85 57.1 44.2 66.2
99 66.1 50.1 75.1





#62
4-Bromofluorobenzene
Concen: 43.433 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

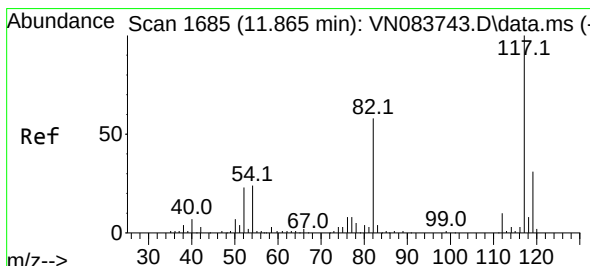
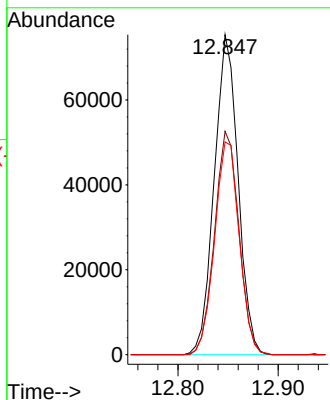
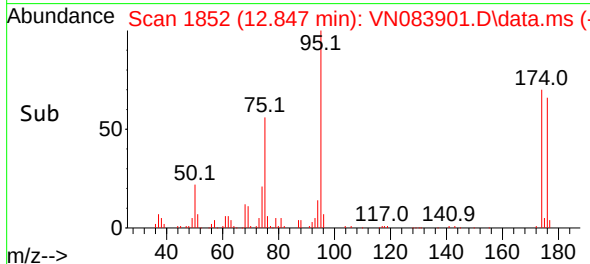
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



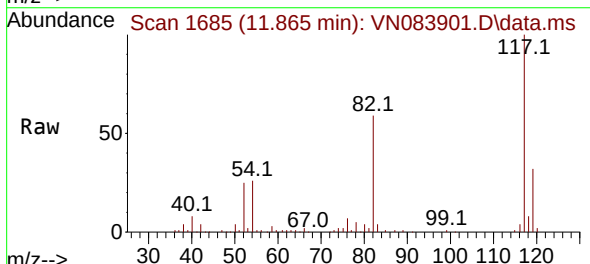
Tgt Ion: 95 Resp: 123915
Ion Ratio Lower Upper
95 100
174 71.4 0.0 139.8
176 69.1 0.0 131.4

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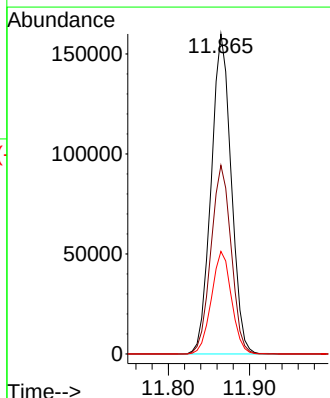
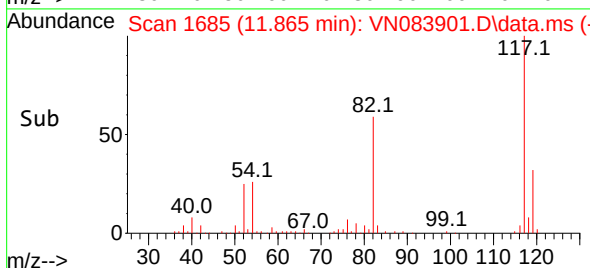
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

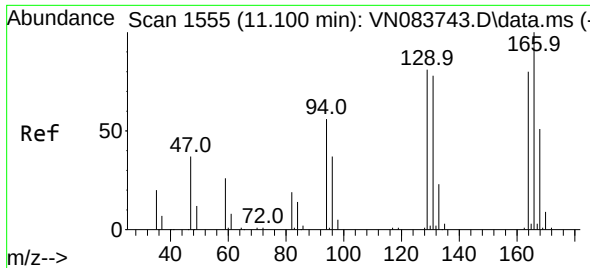


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32



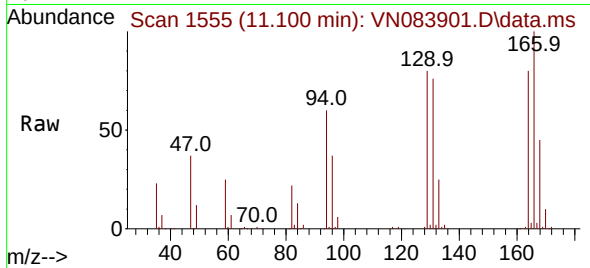
Tgt Ion:117 Resp: 274515
Ion Ratio Lower Upper
117 100
82 59.0 47.4 71.0
119 32.0 26.3 39.5





#64
Tetrachloroethene
Concen: 84.069 ug/l
RT: 11.100 min Scan# 1155
Delta R.T. 0.000 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32

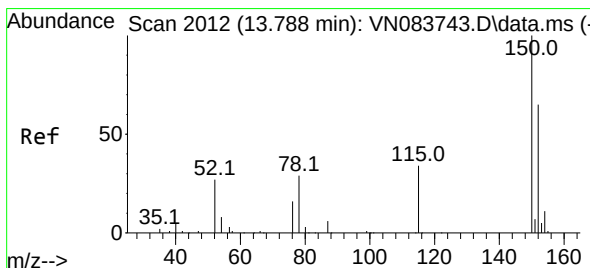
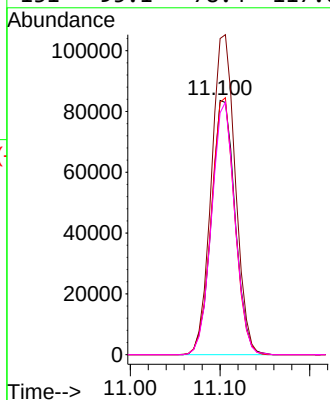
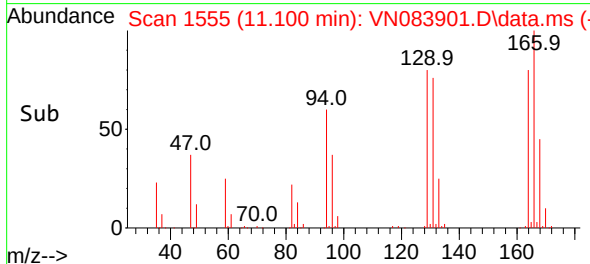
Instrument :
MSVOA_N
ClientSampleId :
MW-06-6.5-090624



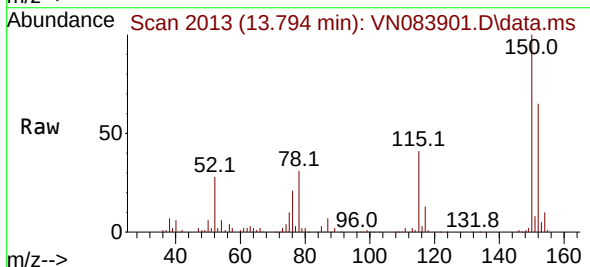
Tgt Ion:164 Resp: 153470
Ion Ratio Lower Upper
164 100
166 124.3 103.7 155.5
129 99.2 79.9 119.9
131 95.1 78.4 117.6

Manual Integrations
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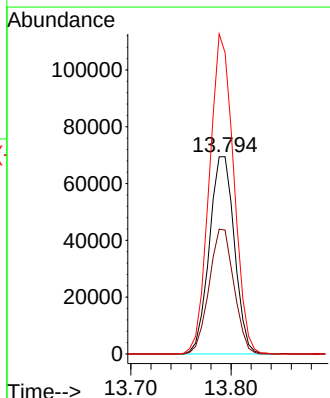
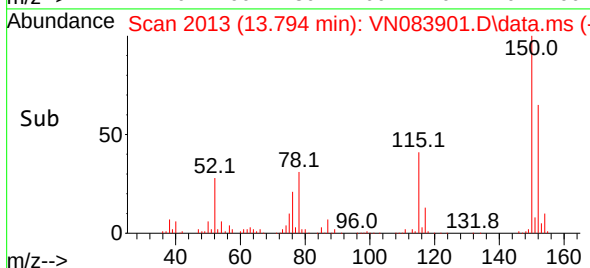
Reviewed By :John Carlone 09/16/2024
Supervised By :Mahesh Dadoda 09/16/2024

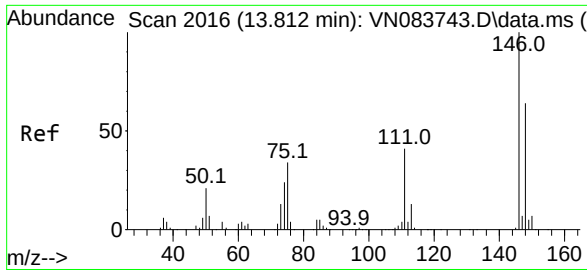


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN083901.D
Acq: 14 Sep 2024 19:32



Tgt Ion:152 Resp: 120749
Ion Ratio Lower Upper
152 100
115 62.5 32.2 96.6
150 157.5 0.0 348.6





#88

1,4-Dichlorobenzene

Concen: 1.089 ug/l

RT: 13.812 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083901.D

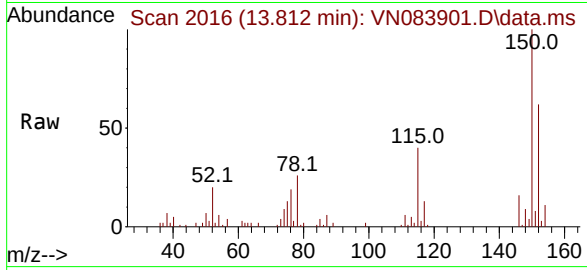
Acq: 14 Sep 2024 19:32

Instrument :

MSVOA_N

ClientSampleId :

MW-06-6.5-090624



Tgt Ion:	146	Resp:	4679
Ion	Ratio	Lower	Upper
146	100		
111	85.3	21.3	64.08
148	70.9	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/16/2024

Supervised By :Mahesh Dadoda 09/16/2024

