

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028555.D
 Acq On : 14 Oct 2022 18:02
 Operator : SY/MD
 Sample : N5109-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/17/2022
 Supervised By :Mahesh Dadoda 10/18/2022

Quant Time: Oct 15 02:58:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 15 02:57:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	246238	5.000	ug/L	0.02
28) Chlorobenzene-d5	8.847	117	238308	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	123813	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	109277	5.157	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.200%
7) Chloroethane-d5	1.568	69	84859	4.871	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.400%
11) 1,1-Dichloroethene-d2	2.105	63	150666	3.925	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.600%
20) 2-Butanone-d5	3.892	46	105819	23.227	ug/L	-0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	46.460%
24) Chloroform-d	4.346	84	135368	4.172	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.400%
26) 1,2-Dichloroethane-d4	5.027	65	68670	4.060	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
32) Benzene-d6	5.047	84	295775	3.844	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.066	67	94410	3.802	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.000%
41) Toluene-d8	7.313	98	254379	4.173	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.400%
43) trans-1,3-Dichloroprop...	7.622	79	25391	3.027	ug/L	0.01
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.600%
46) 2-Hexanone-d5	8.085	63	140140	38.705	ug/L	-0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.420%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	57738	3.905	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.000%
66) 1,2-Dichlorobenzene-d4	11.616	152	85565	4.188	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	406246	17.917	ug/L	95
8) Chloroethane	1.584	64	7802m	0.531	ug/L	
12) 1,1-Dichloroethene	2.118	96	16061	1.049	ug/L	# 1
19) 1,1-Dichloroethane	3.185	63	440583	12.261	ug/L	99
22) cis-1,2-Dichloroethene	3.905	96	313304	17.356	ug/L	# 94
29) 1,1,1-Trichloroethane	4.603	97	675999	20.523	ug/L	97
30) Cyclohexane	4.674	56	785704	20.659	ug/L	95
33) Benzene	5.101	78	11541	0.137	ug/L	100
35) Methylcyclohexane	6.130	83	3977	0.119	ug/L	97
42) Toluene	7.381	91	3954556	50.051	ug/L	99
51) Chlorobenzene	8.873	112	877756	17.920	ug/L	99
52) Ethylbenzene	9.005	91	834061	9.503	ug/L	99
53) m,p-Xylene	9.130	106	564029	17.182	ug/L	100
54) o-Xylene	9.535	106	295870	9.299	ug/L	99
60) Isopropylbenzene	9.924	105	278339	3.080	ug/L	100
62) 1,3,5-Trimethylbenzene	10.532	105	780192	28.695	ug/L	99
63) 1,2,4-Trimethylbenzene	10.908	105	3259336	43.843	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	126346	3.314	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	257060	6.879	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	11.635	146	80302	2.348	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	23719	1.117	ug/L	97
72) 1,2,3-Trichlorobenzene	13.731	180	8133	0.465	ug/L #	91

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

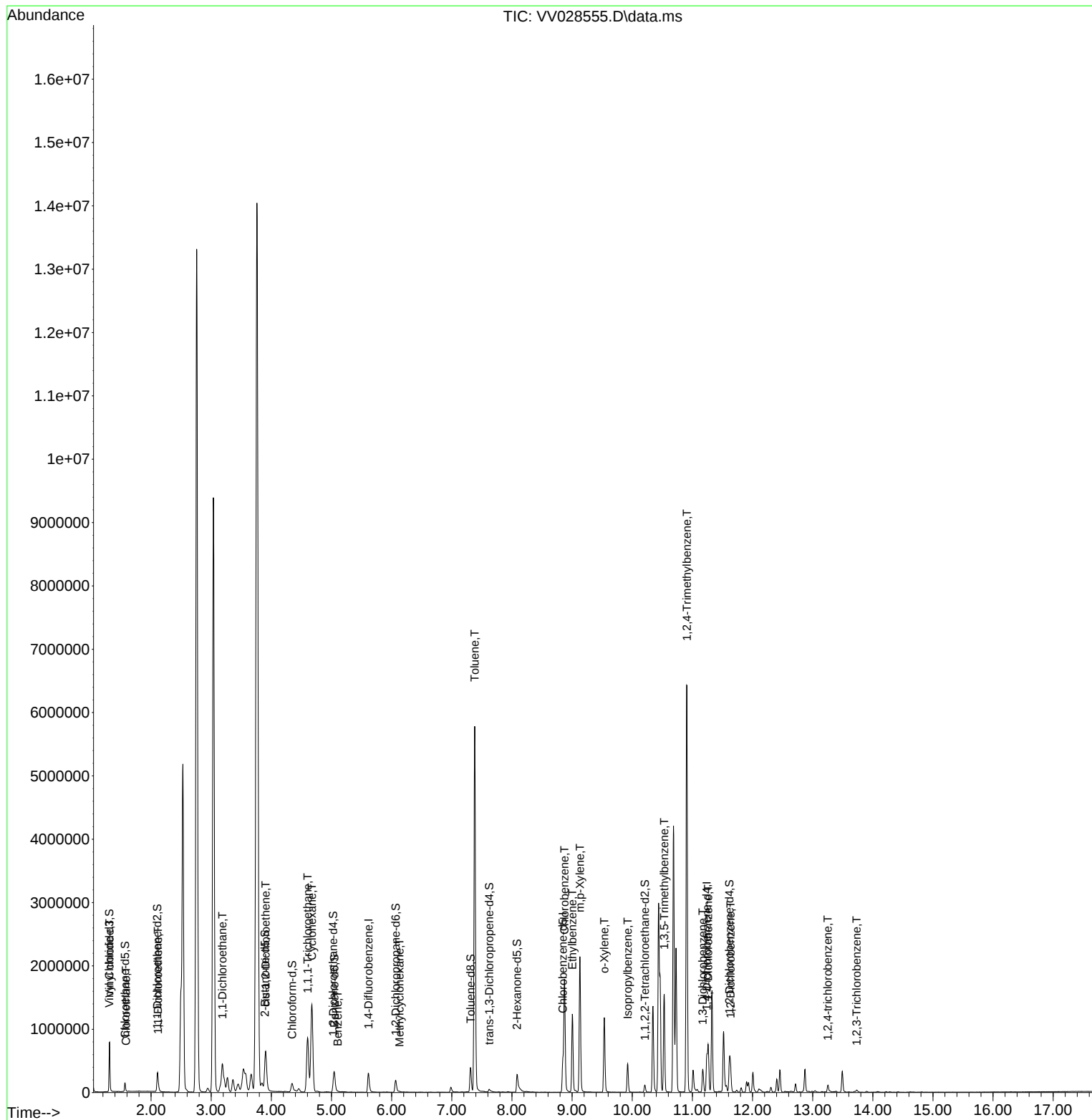
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101422\
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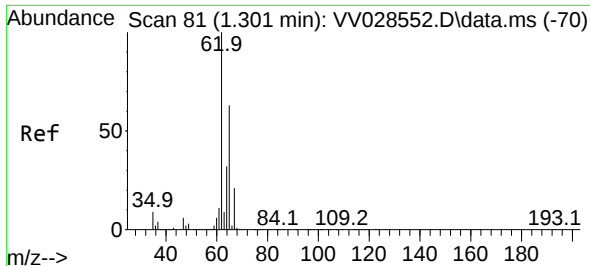
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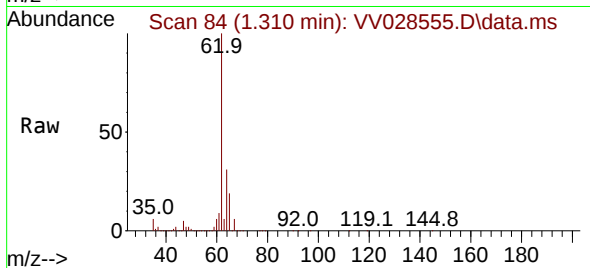
Quant Time: Oct 15 02:58:32 2022
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#5
 Vinyl chloride
 Concen: 17.917 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. 0.010 min
 Lab File: VV028555.D
 Acq: 14 Oct 2022 18:02

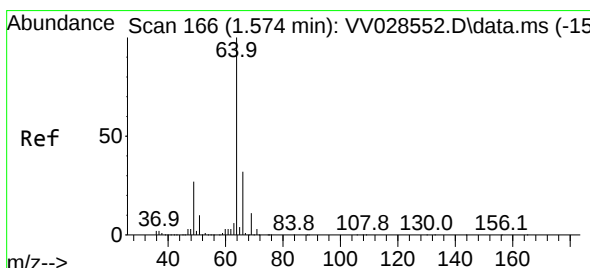
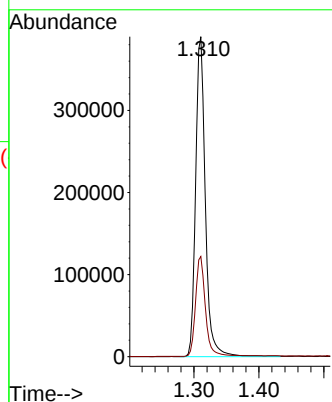
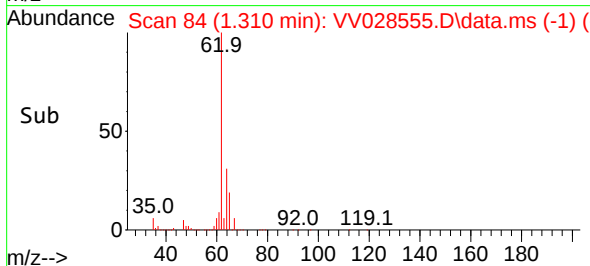
Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ05



Tgt Ion: 62 Resp: 406240
 Ion Ratio Lower Upper
 62 100
 64 31.3 23.7 44.1

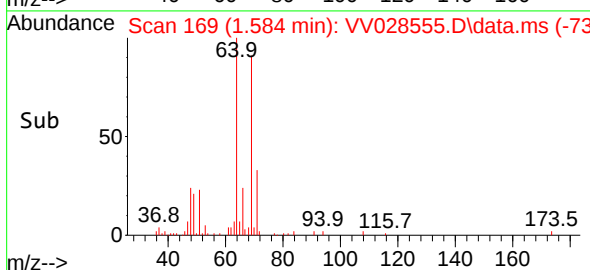
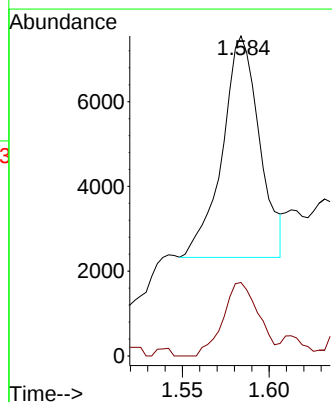
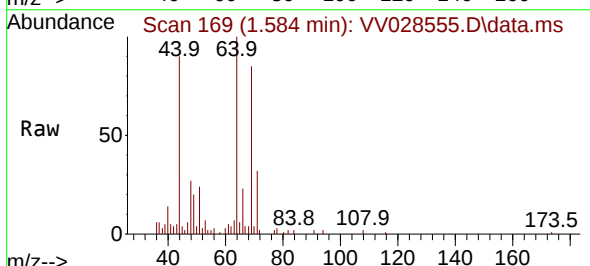
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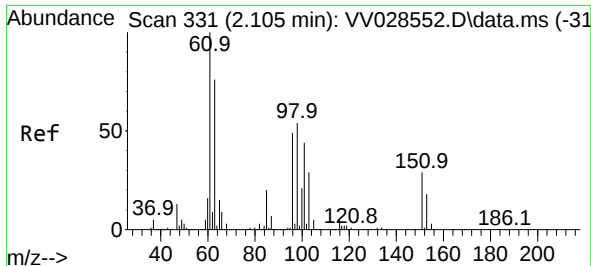
Reviewed By :Krupa Patel 10/17/2022
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#8
 Chloroethane
 Concen: 0.531 ug/L m
 RT: 1.584 min Scan# 169
 Delta R.T. 0.010 min
 Lab File: VV028555.D
 Acq: 14 Oct 2022 18:02

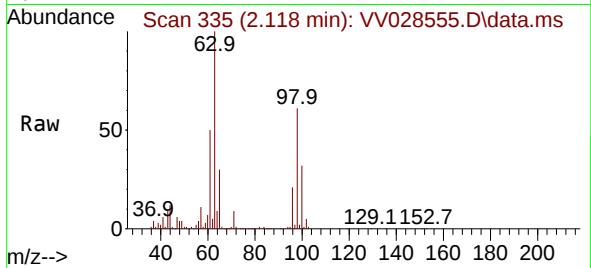
Tgt Ion: 64 Resp: 7802
 Ion Ratio Lower Upper
 64 100
 66 23.0 23.0 42.8#





#12
1,1-Dichloroethene
Concen: 1.049 ug/L
RT: 2.118 min Scan# 331
Delta R.T. 0.013 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

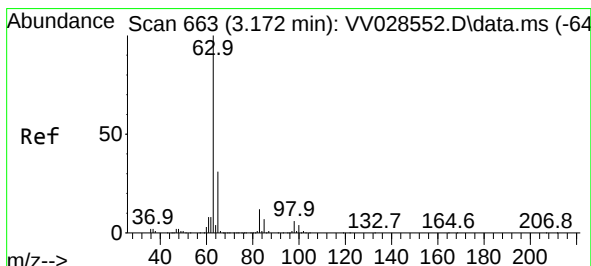
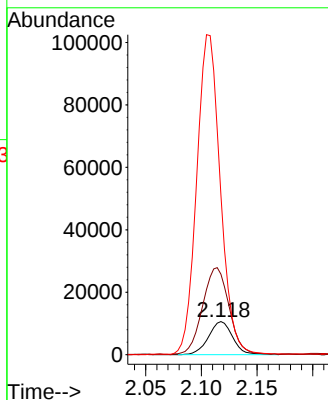
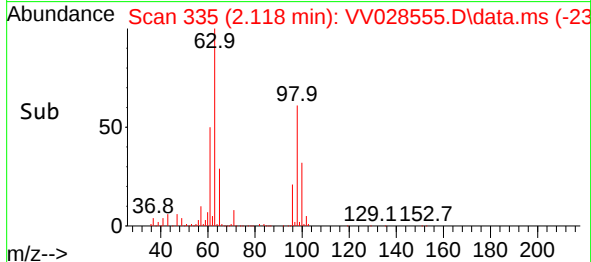
Instrument :
MSVOA_V
ClientSampleId :
BFZ05



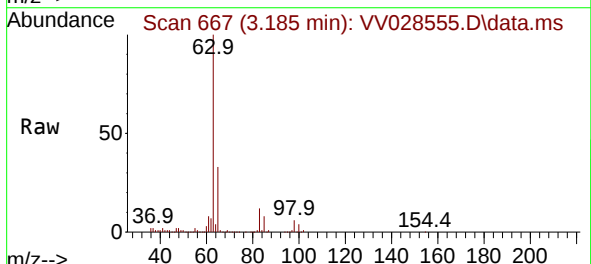
Tgt Ion: 96 Resp: 1606
Ion Ratio Lower Upper
96 100
61 242.6 142.9 265.5
63 481.6 102.3 190.1

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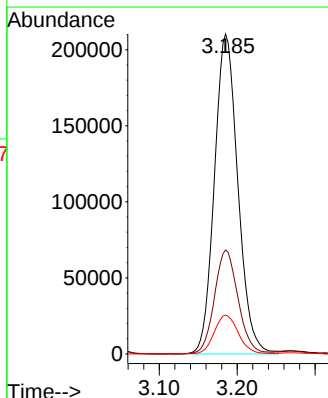
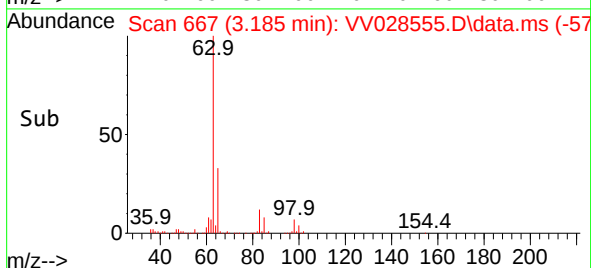
Reviewed By :Krupa Patel 10/17/2022
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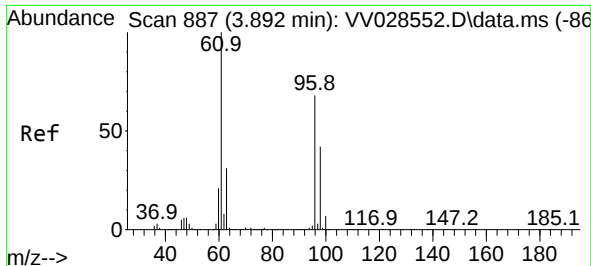


#19
1,1-Dichloroethane
Concen: 12.261 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.013 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02



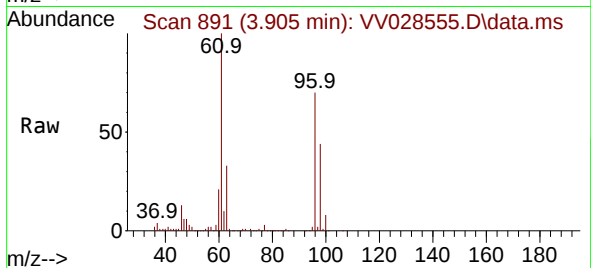
Tgt Ion: 63 Resp: 440583
Ion Ratio Lower Upper
63 100
65 32.5 22.3 41.5
83 12.1 8.5 15.7





#22
cis-1,2-Dichloroethene
Concen: 17.356 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.013 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

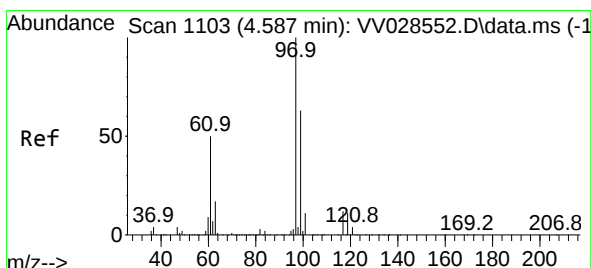
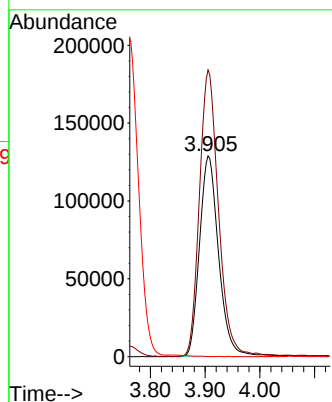
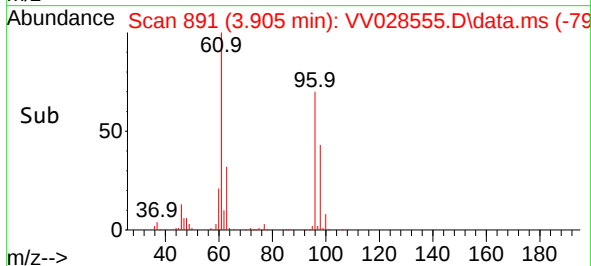
Instrument :
MSVOA_V
ClientSampleId :
BFZ05



Tgt Ion: 96 Resp: 313304
Ion Ratio Lower Upper
96 100
61 142.8 105.1 195.3
68 0.1 0.5 0.9

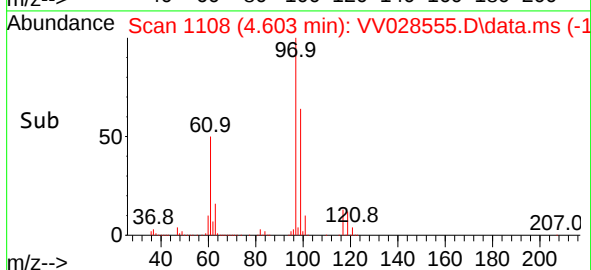
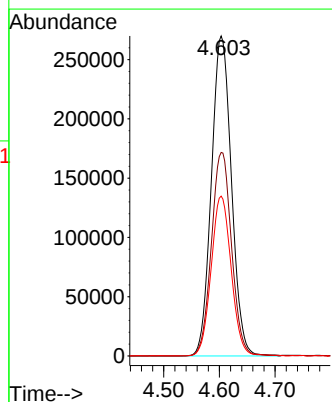
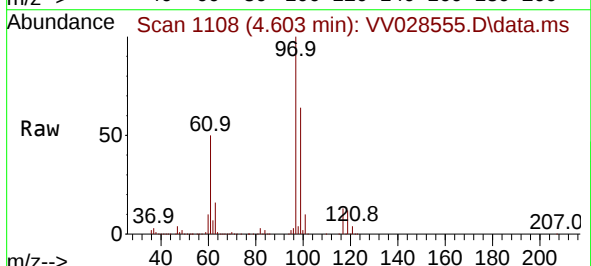
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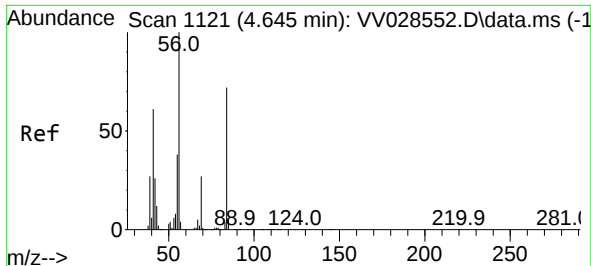
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#29
1,1,1-Trichloroethane
Concen: 20.523 ug/L
RT: 4.603 min Scan# 1108
Delta R.T. 0.016 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

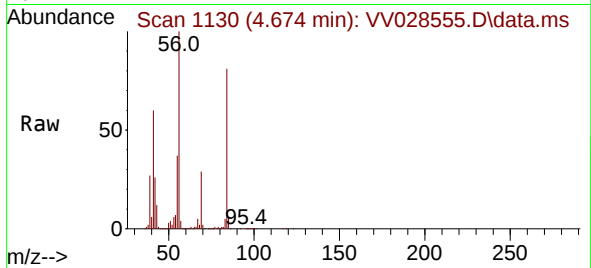
Tgt Ion: 97 Resp: 675999
Ion Ratio Lower Upper
97 100
99 63.8 52.6 78.8
61 50.0 42.1 63.1





#30
Cyclohexane
Concen: 20.659 ug/L
RT: 4.674 min Scan# 1121
Delta R.T. 0.029 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

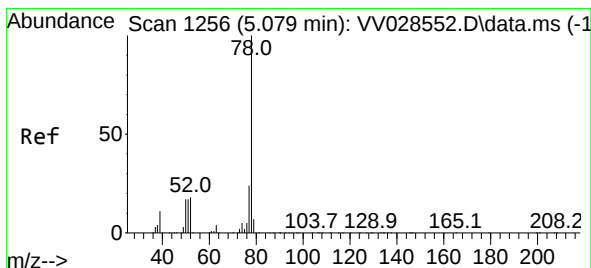
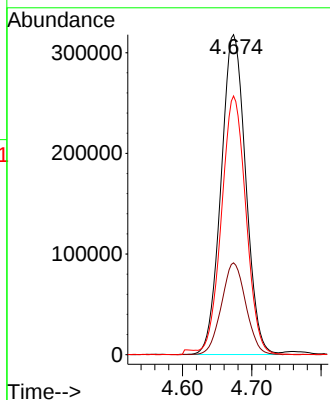
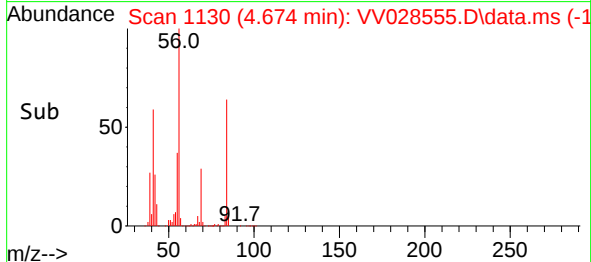
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Tgt Ion: 56 Resp: 785704
Ion Ratio Lower Upper
56 100
69 28.5 22.4 33.6
84 80.3 60.1 90.1

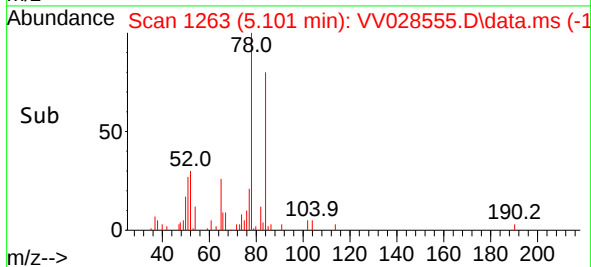
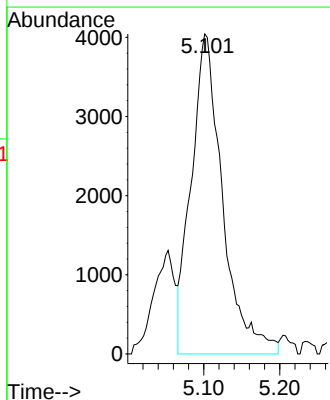
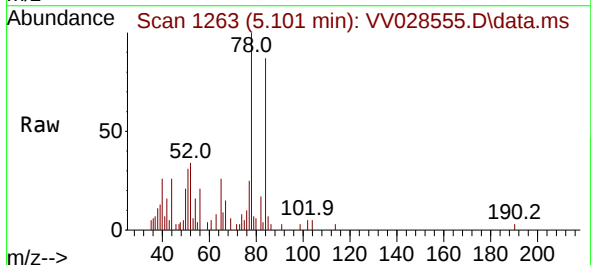
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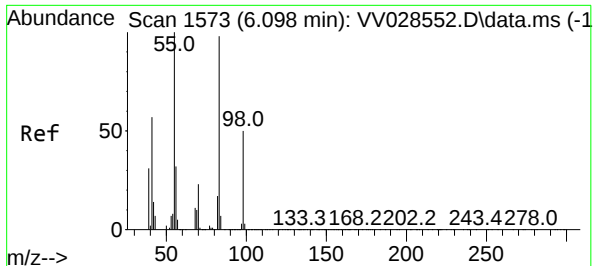
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#33
Benzene
Concen: 0.137 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.023 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

Tgt Ion: 78 Resp: 11541





#35

Methylcyclohexane

Concen: 0.119 ug/L

RT: 6.130 min Scan# 11

Delta R.T. 0.032 min

Lab File: VV028555.D

Acq: 14 Oct 2022 18:02

Instrument :

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ClientSampleId :

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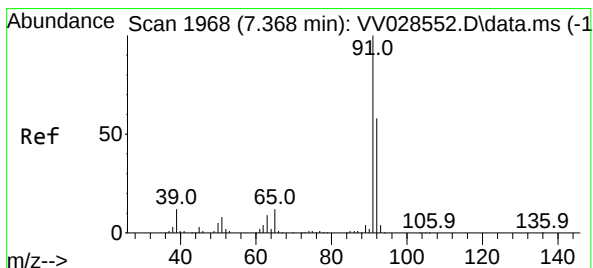
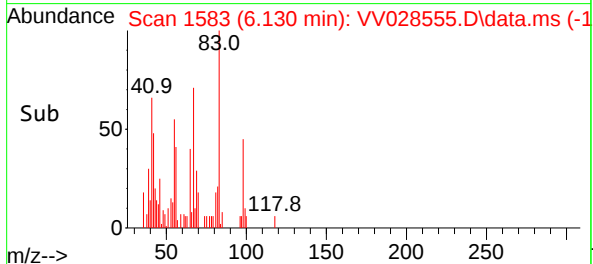
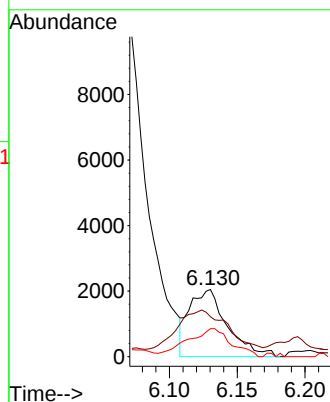
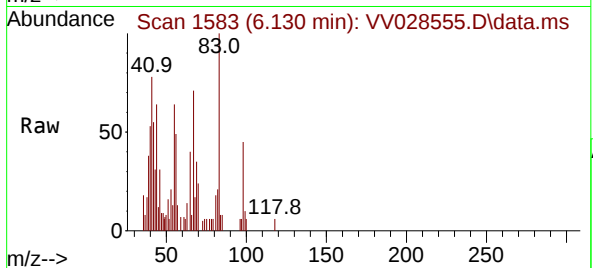
Tgt Ion: 83	Resp: 397
Ion Ratio	Lower Upper
83 100	
55 78.6	65.0 97.6
98 48.0	36.4 54.6

Manual Integrations

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#42

Toluene

Concen: 50.051 ug/L

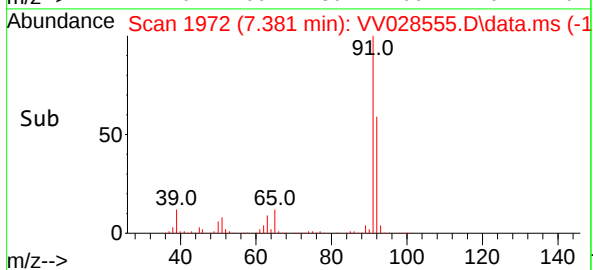
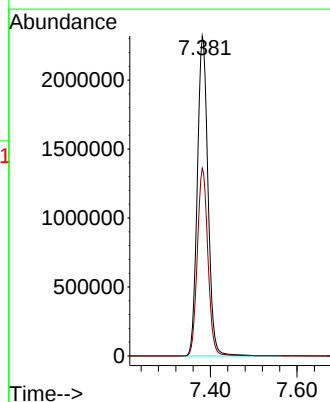
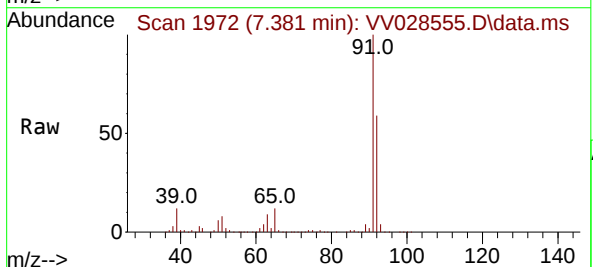
RT: 7.381 min Scan# 1972

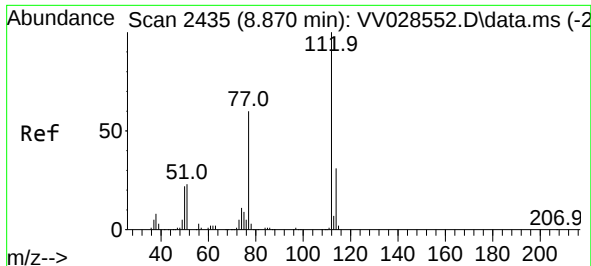
Delta R.T. 0.013 min

Lab File: VV028555.D

Acq: 14 Oct 2022 18:02

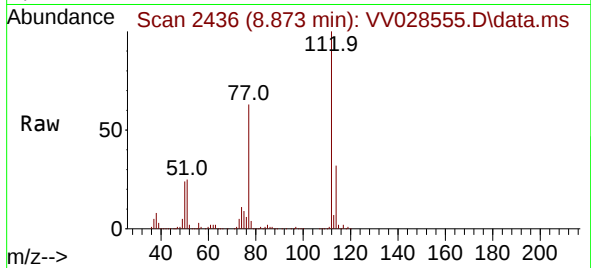
Tgt Ion: 91	Resp: 3954556
Ion Ratio	Lower Upper
91 100	
92 58.7	40.7 75.5





#51
Chlorobenzene
Concen: 17.920 ug/L
RT: 8.873 min Scan# 2435
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

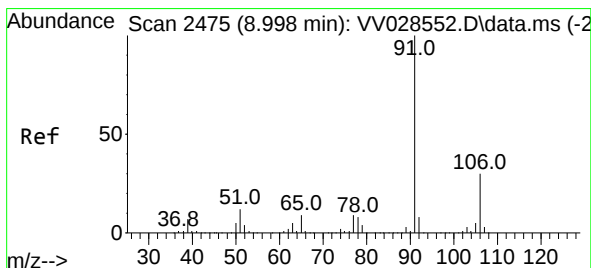
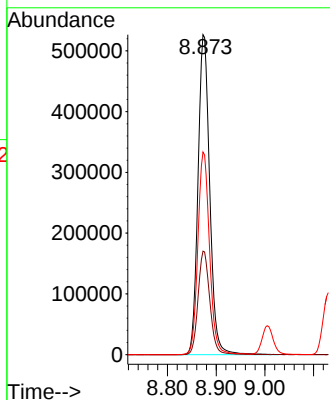
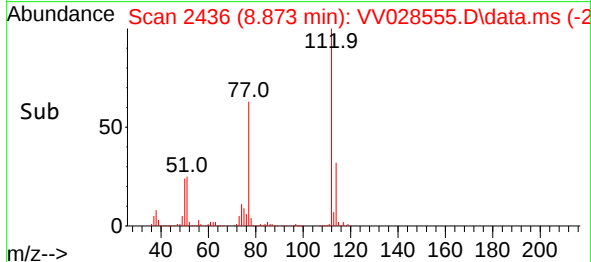
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Tgt Ion: 112 Resp: 877750
Ion Ratio Lower Upper
112 100
114 32.3 22.4 41.6
77 63.4 50.2 75.2

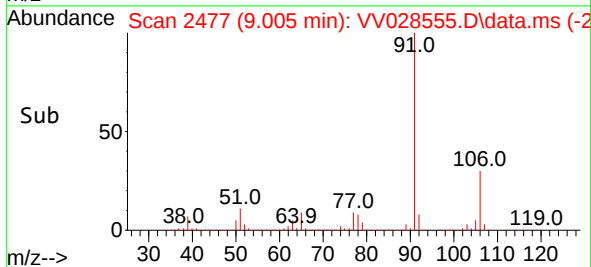
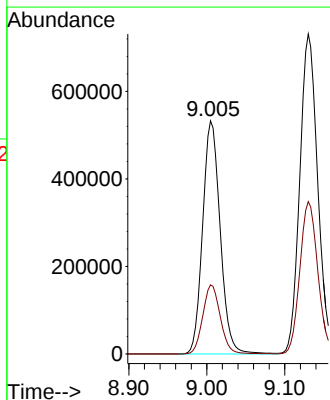
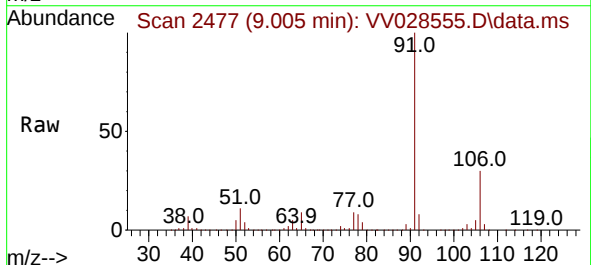
Manual Integrations
APPROVED

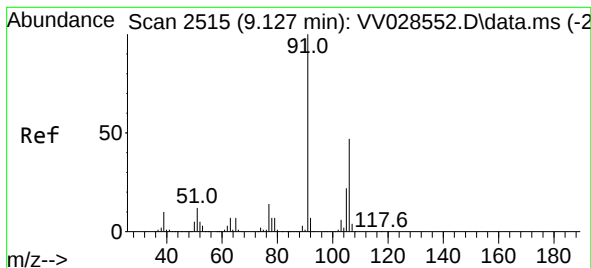
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#52
Ethylbenzene
Concen: 9.503 ug/L
RT: 9.005 min Scan# 2477
Delta R.T. 0.007 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

Tgt Ion: 91 Resp: 834061
Ion Ratio Lower Upper
91 100
106 29.7 20.3 37.7





#53

m,p-Xylene

Concen: 17.182 ug/L

RT: 9.130 min Scan# 2515

Delta R.T. 0.003 min

Lab File: VV028555.D

Acq: 14 Oct 2022 18:02

Instrument :

MSVOA_V

ClientSampleId :

BFZ05

Tgt Ion:106 Resp: 564029

Ion Ratio Lower Upper

106 100

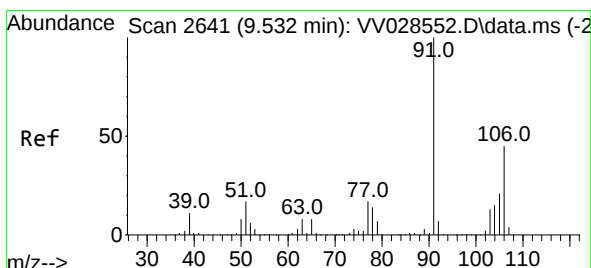
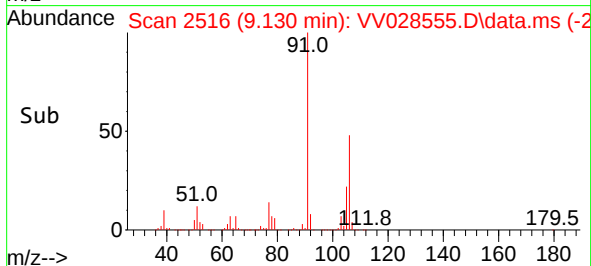
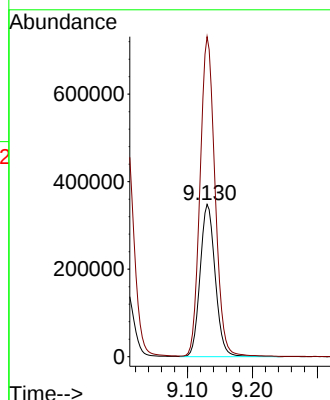
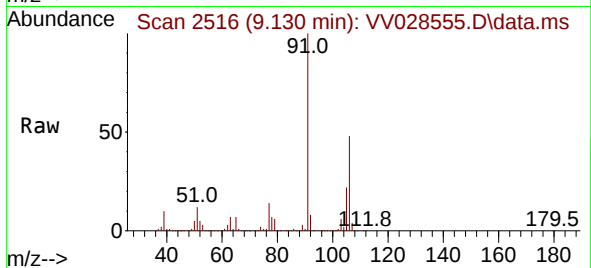
91 210.2 146.9 272.9

Manual Integrations

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Reviewed By :Krupa Patel 10/17/2022

Supervised By :Mahesh Dadoda 10/18/2022



#54

o-Xylene

Concen: 9.299 ug/L

RT: 9.535 min Scan# 2642

Delta R.T. 0.003 min

Lab File: VV028555.D

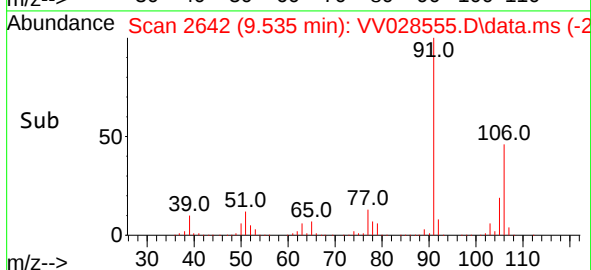
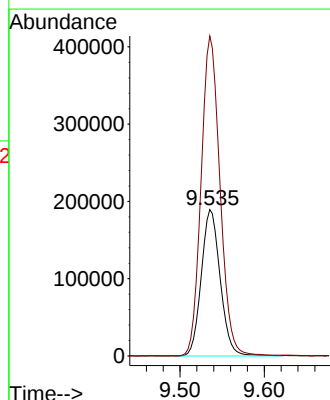
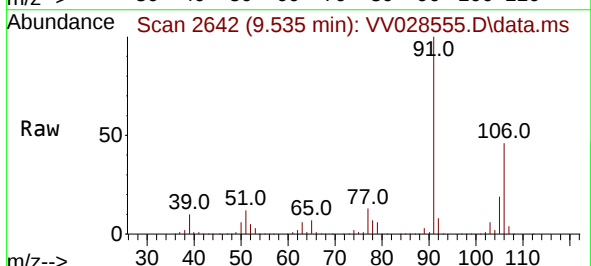
Acq: 14 Oct 2022 18:02

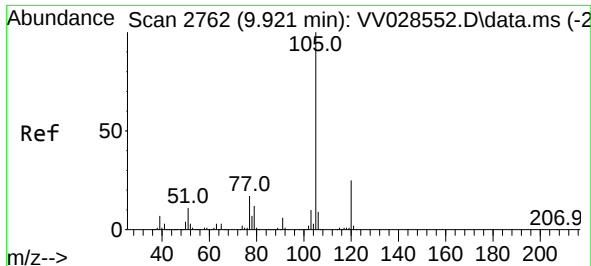
Tgt Ion:106 Resp: 295870

Ion Ratio Lower Upper

106 100

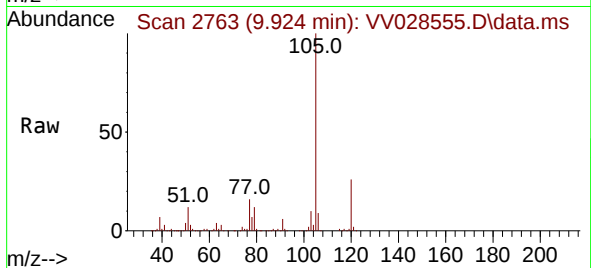
91 218.5 151.4 281.2





#60
Isopropylbenzene
Concen: 3.080 ug/L
RT: 9.924 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

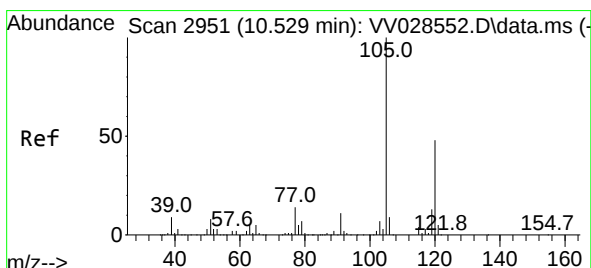
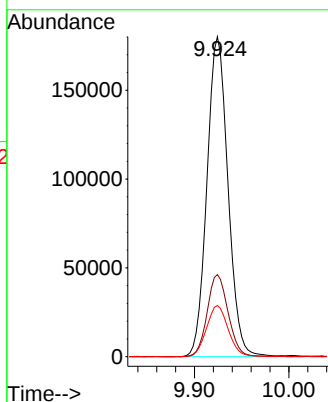
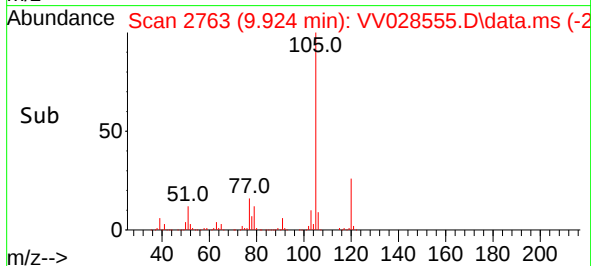
Instrument :
MSVOA_V
ClientSampleId :
BFZ05



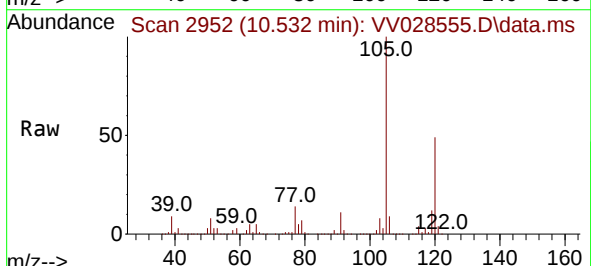
Tgt Ion:105 Resp: 278339
Ion Ratio Lower Upper
105 100
120 25.6 20.7 31.1
77 16.5 13.1 19.7

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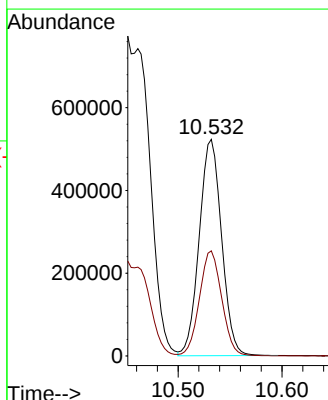
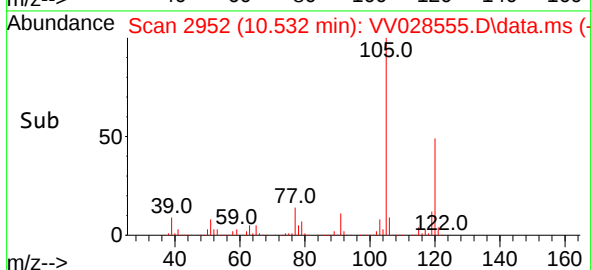
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022

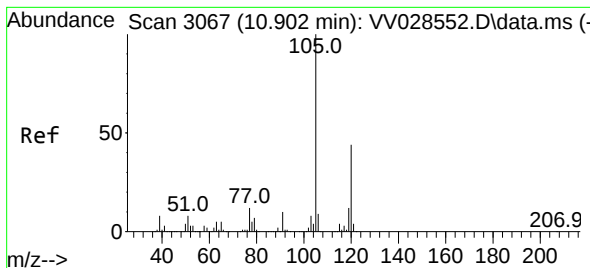


#62
1,3,5-Trimethylbenzene
Concen: 28.695 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02



Tgt Ion:105 Resp: 780192
Ion Ratio Lower Upper
105 100
120 48.3 38.0 57.0





#63

1,2,4-Trimethylbenzene

Concen: 43.843 ug/L

RT: 10.908 min Scan# 3067

Delta R.T. 0.007 min

Lab File: VV028555.D

Acq: 14 Oct 2022 18:02

Instrument :

MSVOA_V

ClientSampleId :

BFZ05

Tgt Ion:105 Resp: 325933

Ion Ratio Lower Upper

105 100

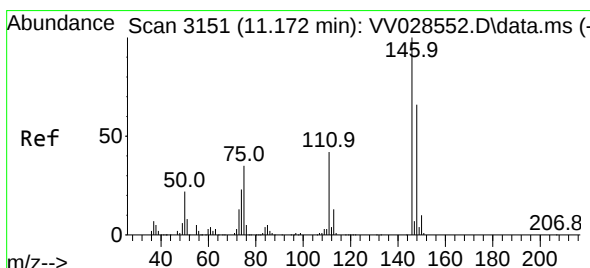
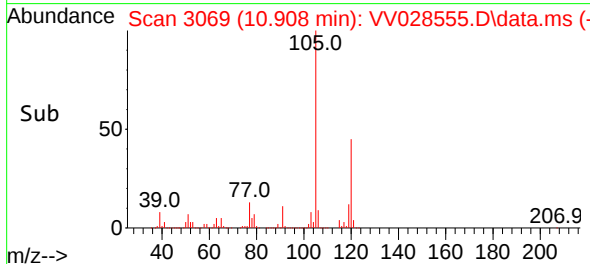
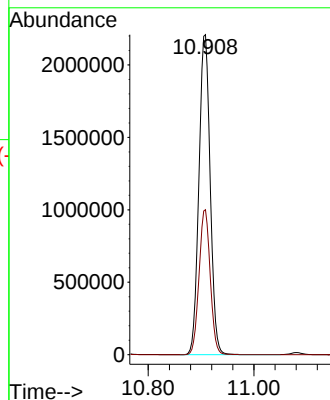
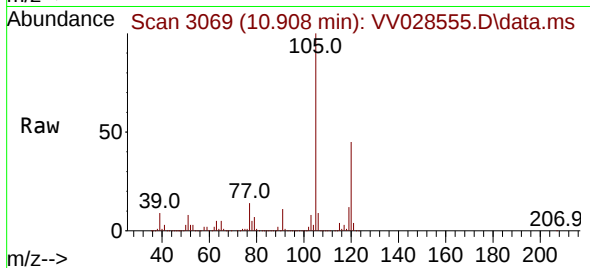
120 45.0 35.6 53.4

Manual Integrations

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Reviewed By :Krupa Patel 10/17/2022

Supervised By :Mahesh Dadoda 10/18/2022



#64

1,3-Dichlorobenzene

Concen: 3.314 ug/L

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV028555.D

Acq: 14 Oct 2022 18:02

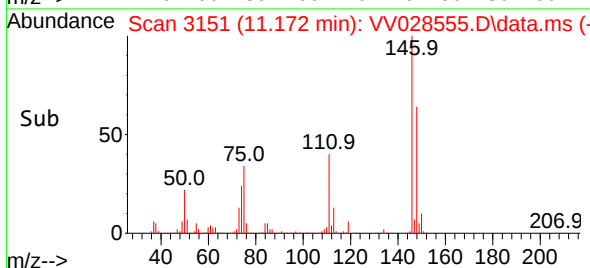
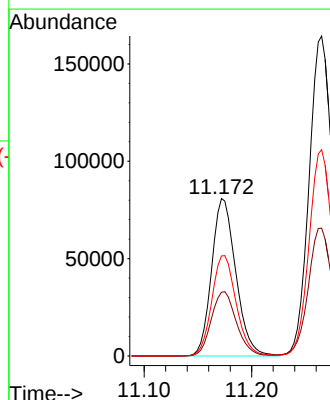
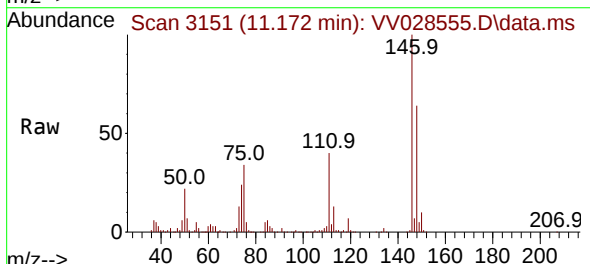
Tgt Ion:146 Resp: 126346

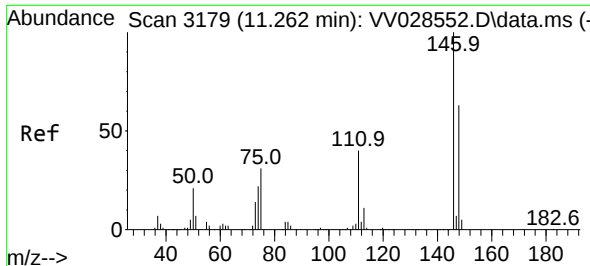
Ion Ratio Lower Upper

146 100

111 40.5 28.5 52.9

148 63.5 45.1 83.9





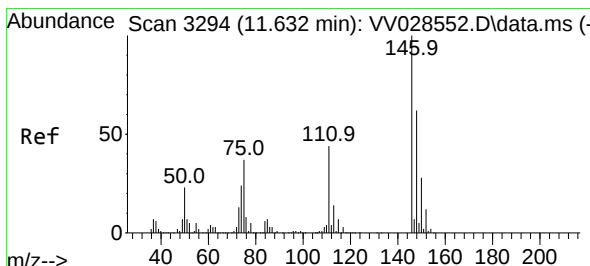
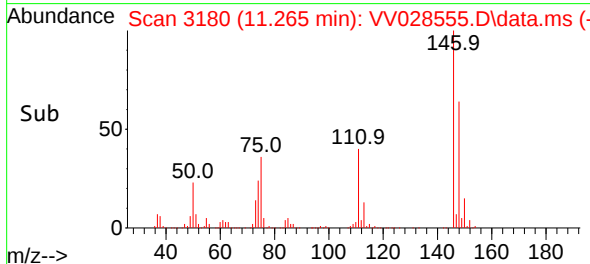
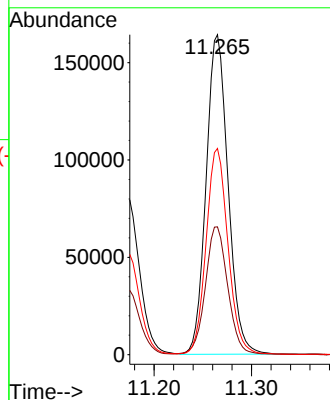
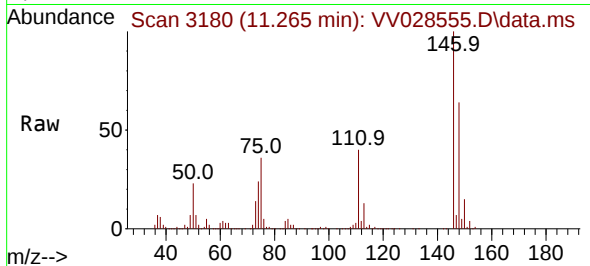
#65
1,4-Dichlorobenzene
Concen: 6.879 ug/L
RT: 11.265 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

Instrument :
MSVOA_V
ClientSampleId :
BFZ05

Tgt Ion:146 Resp: 257060
Ion Ratio Lower Upper
146 100
111 39.9 29.4 54.6
148 64.5 45.9 85.3

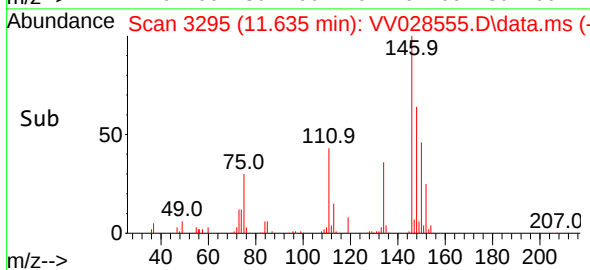
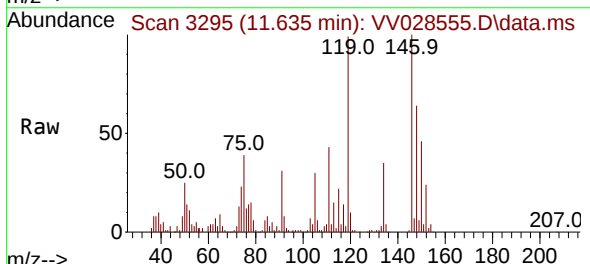
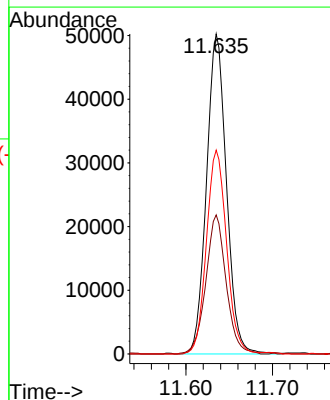
Manual Integrations
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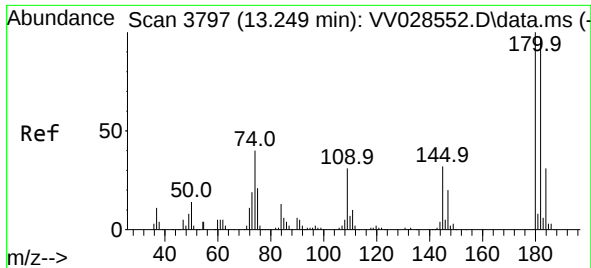
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#67
1,2-Dichlorobenzene
Concen: 2.348 ug/L
RT: 11.635 min Scan# 3295
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

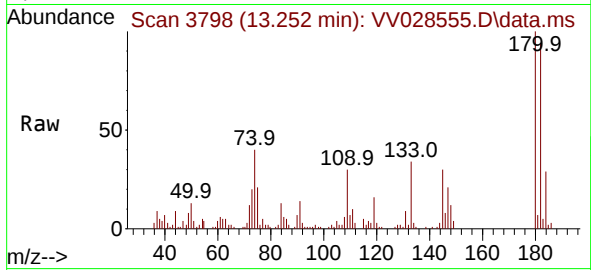
Tgt Ion:146 Resp: 80302
Ion Ratio Lower Upper
146 100
111 43.4 35.7 53.5
148 63.7 51.0 76.6





#70
1,2,4-trichlorobenzene
Concen: 1.117 ug/L
RT: 13.252 min Scan# 3798
Delta R.T. 0.003 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02

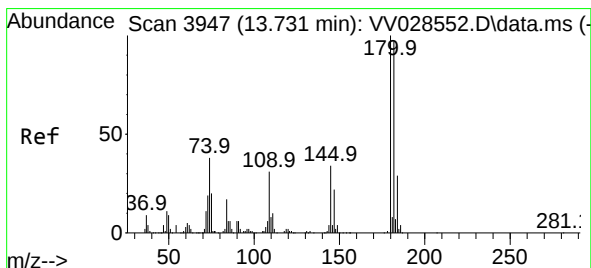
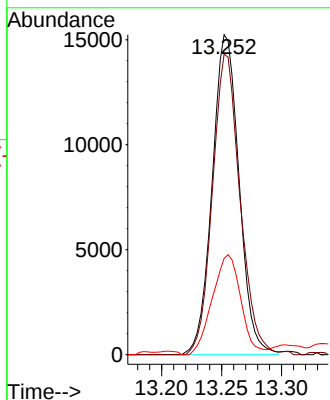
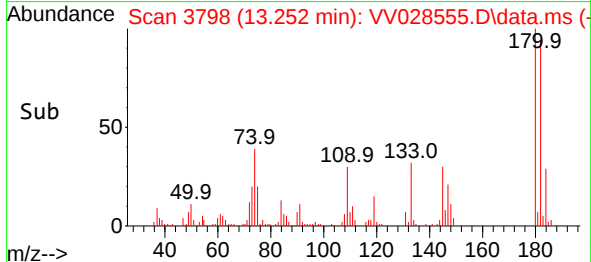
Instrument :
MSVOA_V
ClientSampleId :
BFZ05



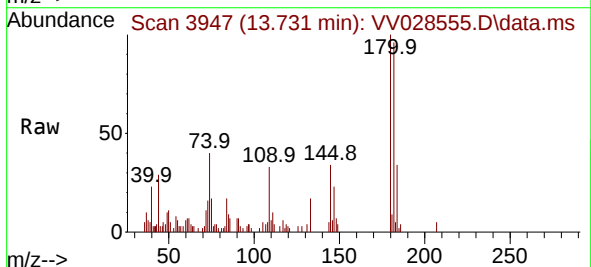
Tgt Ion:180 Resp: 23719
Ion Ratio Lower Upper
180 100
182 96.0 74.2 111.2
145 33.2 25.3 37.9

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Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#72
1,2,3-Trichlorobenzene
Concen: 0.465 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. 0.000 min
Lab File: VV028555.D
Acq: 14 Oct 2022 18:02



Tgt Ion:180 Resp: 8133
Ion Ratio Lower Upper
180 100
182 98.3 76.3 114.5
145 47.1 25.8 38.8#

