

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101422\
 Data File : VW028557.D
 Acq On : 14 Oct 2022 18:49
 Operator : SY/MD
 Sample : N5109-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ07

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 02:59:12 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	5.613	114	238989	5.000	ug/L	0.01
28) Chlorobenzene-d5	8.847	117	220239	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	100398	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	113807	5.533	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	110.600%	
7) Chloroethane-d5	1.564	69	88792	5.251	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	105.000%	
11) 1,1-Dichloroethene-d2	2.105	63	153328	4.116	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	82.400%	
20) 2-Butanone-d5	3.905	46	151000m	34.150	ug/L	-0.04
Spiked Amount	50.000	Range 40 - 130	Recovery	=	68.300%	
24) Chloroform-d	4.342	84	139320	4.424	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.400%	
26) 1,2-Dichloroethane-d4	5.031	65	69187	4.215	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	84.200%	
32) Benzene-d6	5.047	84	299060	4.205	ug/L	0.02
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.200%	
36) 1,2-Dichloropropane-d6	6.066	67	94273	4.108	ug/L	0.01
Spiked Amount	5.000	Range 60 - 140	Recovery	=	82.200%	
41) Toluene-d8	7.310	98	255995	4.544	ug/L	0.02
Spiked Amount	5.000	Range 70 - 130	Recovery	=	90.800%	
43) trans-1,3-Dichloroprop...	7.622	79	25461	3.284	ug/L	0.01
Spiked Amount	5.000	Range 55 - 130	Recovery	=	65.600%	
46) 2-Hexanone-d5	8.088	63	125691	37.563	ug/L	-0.01
Spiked Amount	50.000	Range 45 - 130	Recovery	=	75.120%	
56) 1,1,2,2-Tetrachloroeth...	10.210	84	55246	4.043	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	80.800%	
66) 1,2-Dichlorobenzene-d4	11.616	152	74652	4.506	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.200%	
Target Compounds						
5) Vinyl chloride	1.307	62	173423	7.881	ug/L	98
12) 1,1-Dichloroethene	2.114	96	4729	0.318	ug/L #	1
18) trans-1,2-Dichloroethene	2.761	96	4655	0.300	ug/L	96
19) 1,1-Dichloroethane	3.185	63	123774	3.549	ug/L	97
22) cis-1,2-Dichloroethene	3.908	96	83317	4.755	ug/L #	94
25) Chloroform	4.371	83	22143	0.670	ug/L	96
27) 1,2-Dichloroethane	5.137	62	13573	0.690	ug/L #	89
29) 1,1,1-Trichloroethane	4.609	97	9971	0.328	ug/L	97
30) Cyclohexane	4.670	56	11323	0.322	ug/L #	90
33) Benzene	5.101	78	31116	0.400	ug/L	100
34) Trichloroethene	5.921	95	4314	0.232	ug/L	89
45) 1,1,2-Trichloroethane	7.841	97	5950	0.540	ug/L	93
51) Chlorobenzene	8.879	112	50950	1.126	ug/L	99
54) o-Xylene	9.545	106	5569	0.189	ug/L	100
64) 1,3-Dichlorobenzene	11.181	146	4133	0.134	ug/L	99
70) 1,2,4-trichlorobenzene	13.259	180	1817	0.105	ug/L #	84
72) 1,2,3-Trichlorobenzene	13.741	180	1137	0.080	ug/L #	76

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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

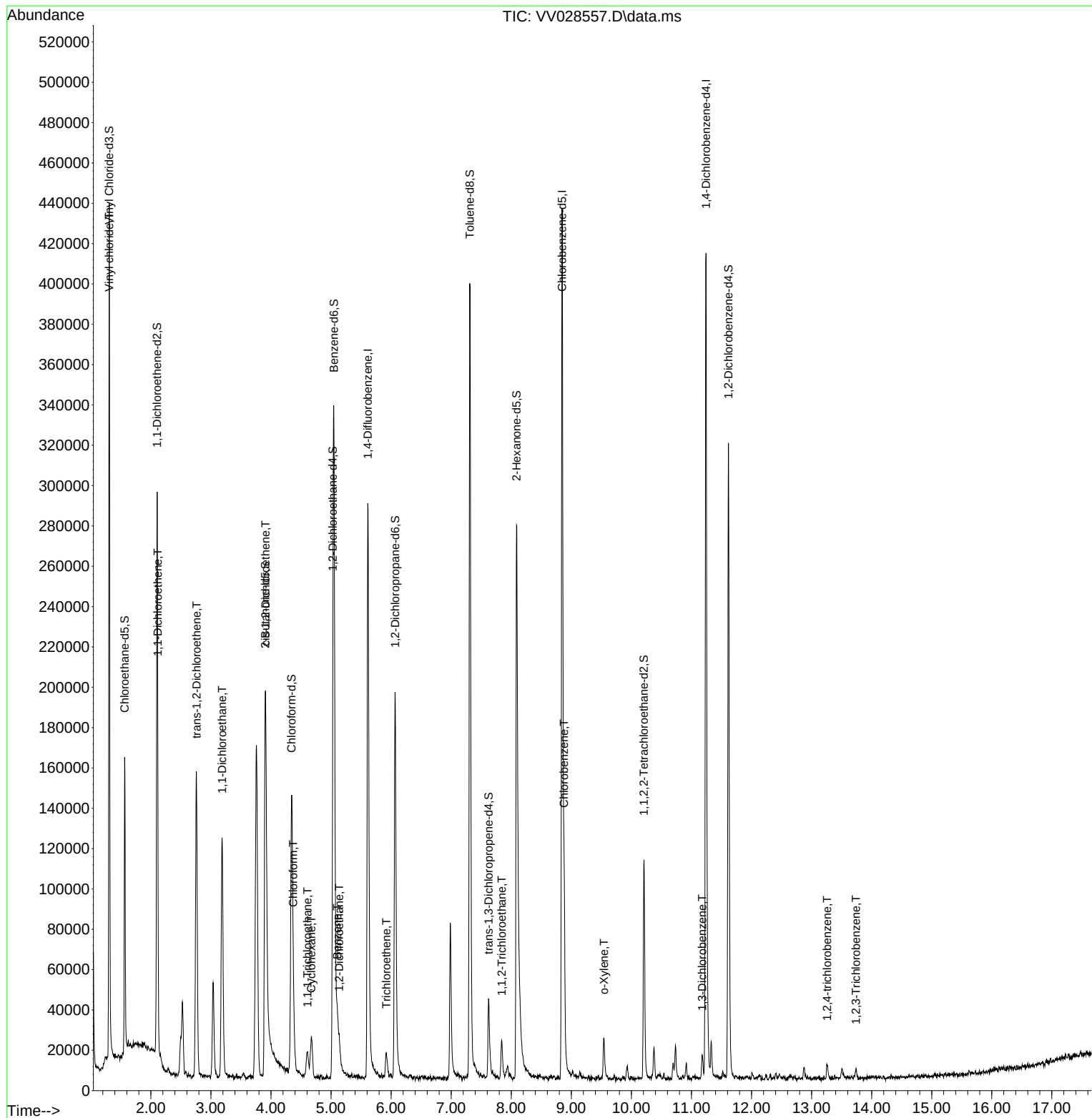
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV101422\
Data File : VV028557.D
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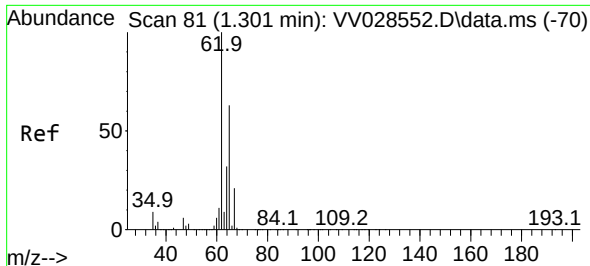
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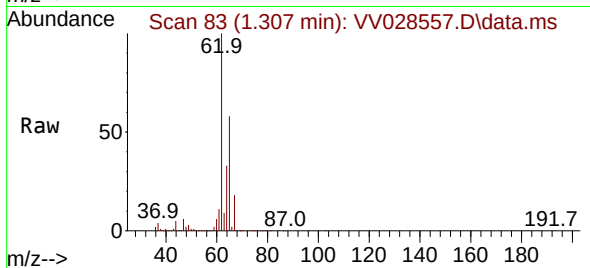
Quant Time: Oct 15 02:59:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR101422WMA.M
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#5
 Vinyl chloride
 Concen: 7.881 ug/L
 RT: 1.307 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VV028557.D
 Acq: 14 Oct 2022 18:49

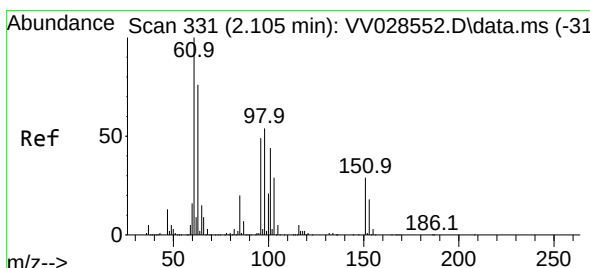
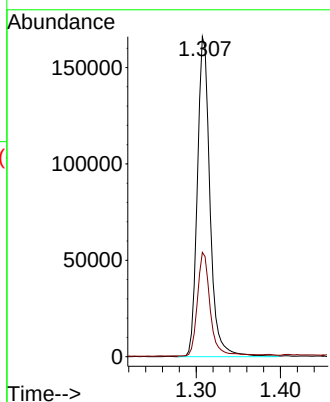
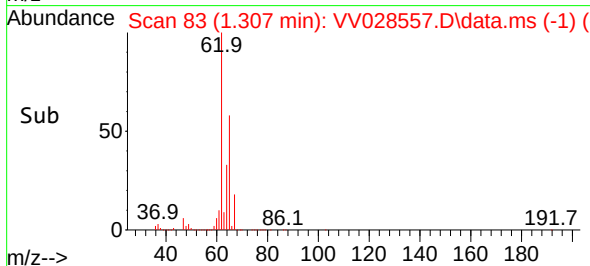
Instrument :
 MSVOA_V
 ClientSampleId :
 BFZ07



Tgt Ion: 62 Resp: 17342
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.7 44.1

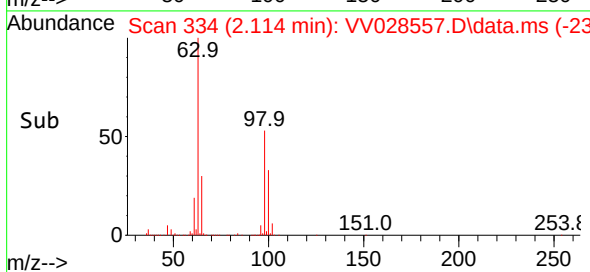
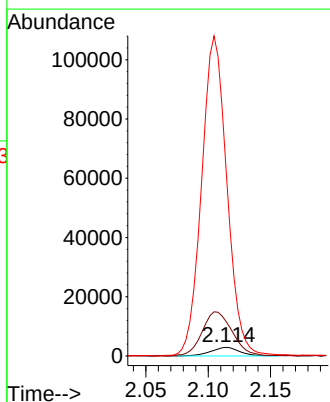
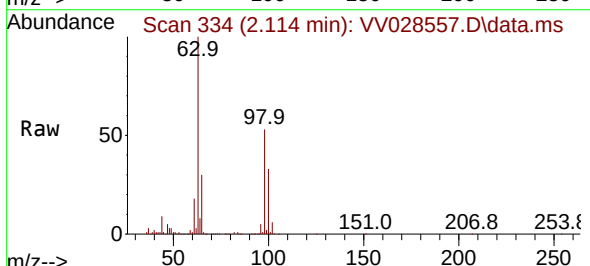
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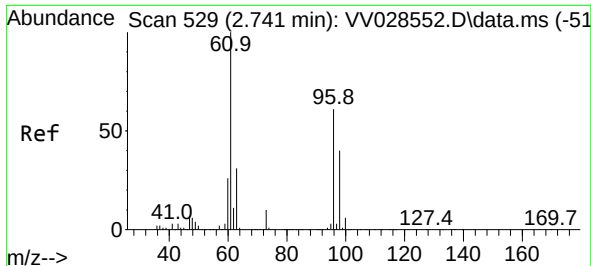
Reviewed By :Krupa Patel 10/17/2022
 Supervised By :Mahesh Dadoda 10/18/2022



#12
 1,1-Dichloroethene
 Concen: 0.318 ug/L
 RT: 2.114 min Scan# 334
 Delta R.T. 0.010 min
 Lab File: VV028557.D
 Acq: 14 Oct 2022 18:49

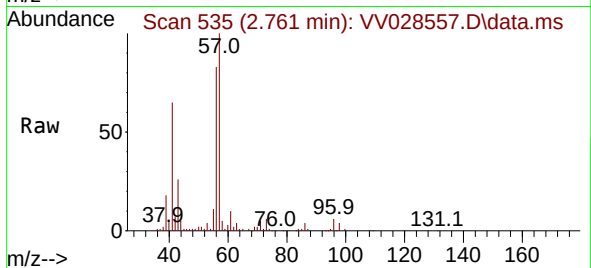
Tgt Ion: 96 Resp: 4729
 Ion Ratio Lower Upper
 96 100
 61 398.3 142.9 265.5#
 63 2154.9 102.3 190.1#





#18
trans-1,2-Dichloroethene
Concen: 0.300 ug/L
RT: 2.761 min Scan# 511
Delta R.T. 0.019 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

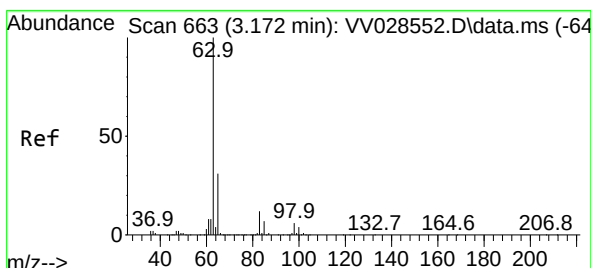
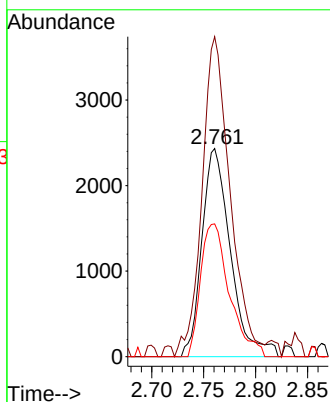
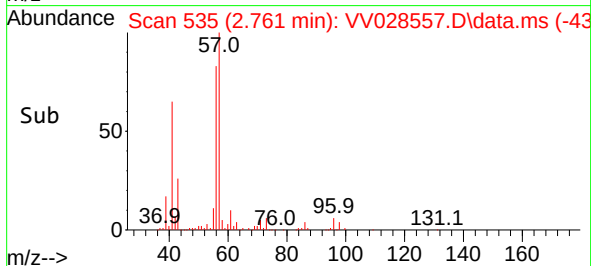
Instrument :
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ClientSampleId :
BFZ07



Tgt Ion: 96 Resp: 465
Ion Ratio Lower Upper
96 100
61 153.7 111.2 206.6
98 63.8 42.9 79.7

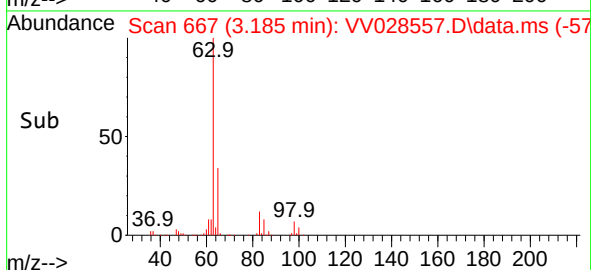
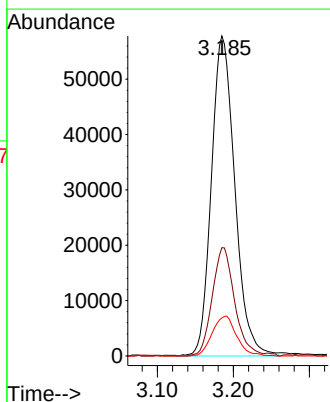
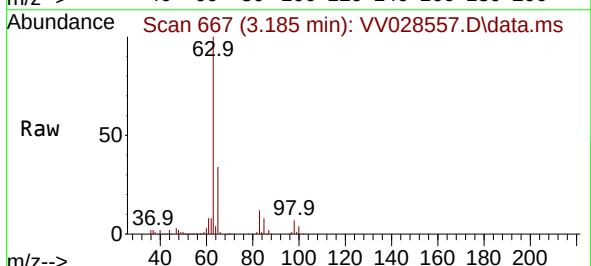
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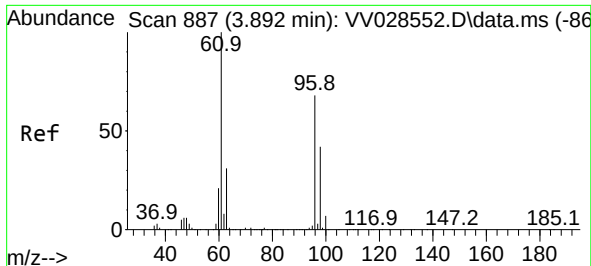
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#19
1,1-Dichloroethane
Concen: 3.549 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.013 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

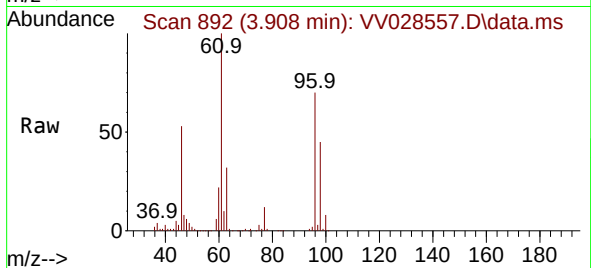
Tgt Ion: 63 Resp: 123774
Ion Ratio Lower Upper
63 100
65 33.9 22.3 41.5
83 11.9 8.5 15.7





#22
cis-1,2-Dichloroethene
Concen: 4.755 ug/L
RT: 3.908 min Scan# 891
Delta R.T. 0.016 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

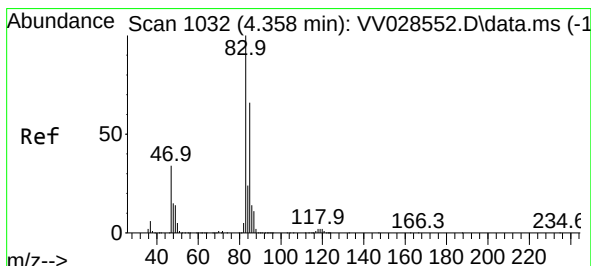
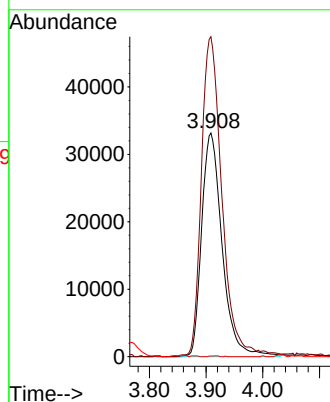
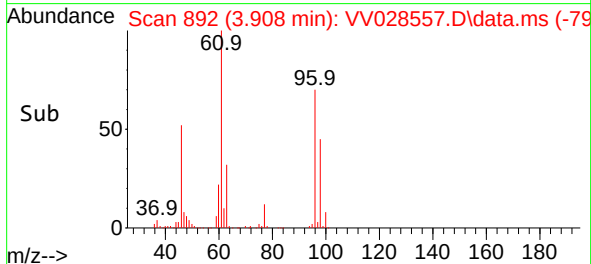
Instrument :
MSVOA_V
ClientSampleId :
BFZ07



Tgt Ion: 96 Resp: 8331
Ion Ratio Lower Upper
96 100
61 143.0 105.1 195.3
68 0.3 0.5 0.9

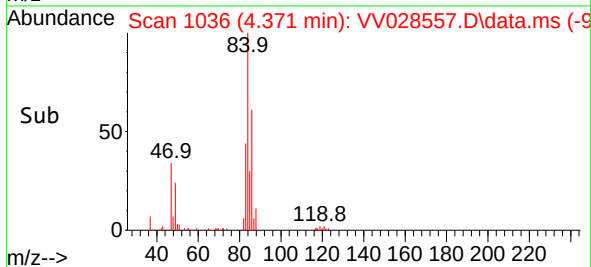
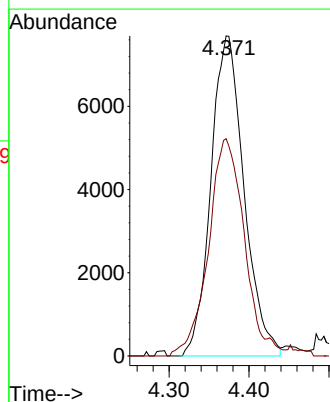
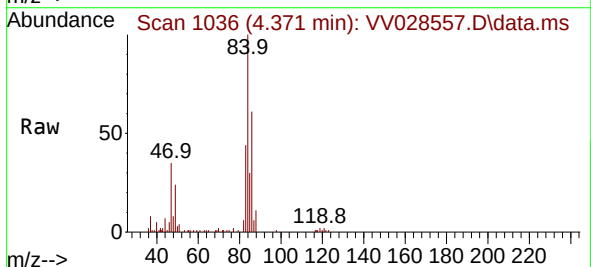
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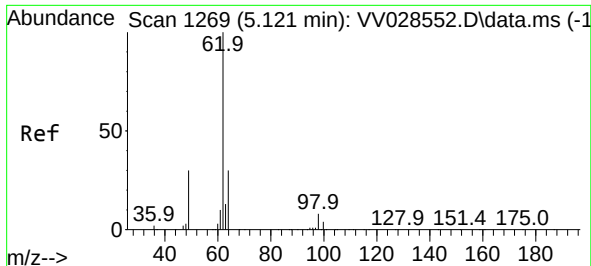
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#25
Chloroform
Concen: 0.670 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.013 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

Tgt Ion: 83 Resp: 22143
Ion Ratio Lower Upper
83 100
85 67.9 45.1 83.9





#27

1,2-Dichloroethane

Concen: 0.690 ug/L

RT: 5.137 min Scan# 1107

Delta R.T. 0.016 min

Lab File: VV028557.D

Acq: 14 Oct 2022 18:49

Instrument :

MSVOA_V

ClientSampleId :

BFZ07

Tgt Ion: 62 Resp: 1357

Ion Ratio Lower Upper

62 100

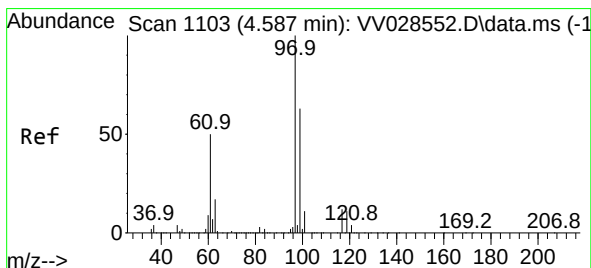
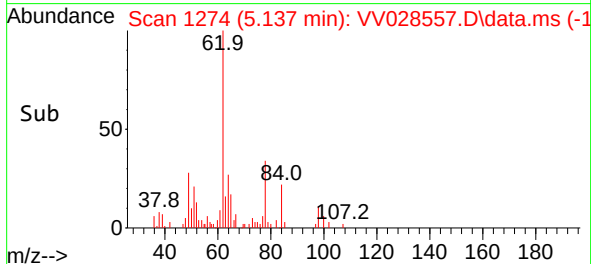
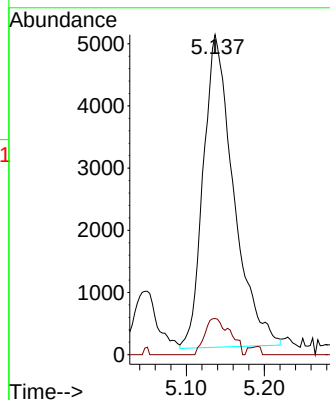
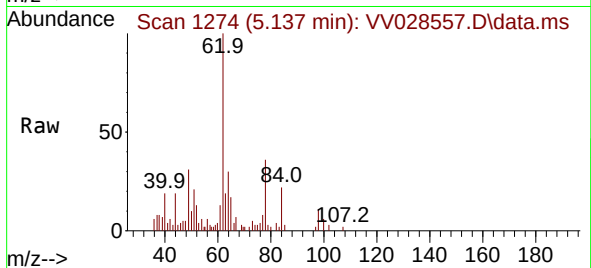
98 11.3 5.9 8.9

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#29

1,1,1-Trichloroethane

Concen: 0.328 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.023 min

Lab File: VV028557.D

Acq: 14 Oct 2022 18:49

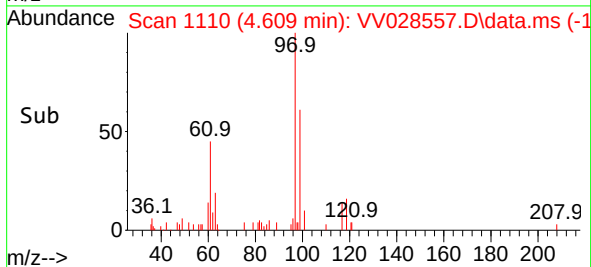
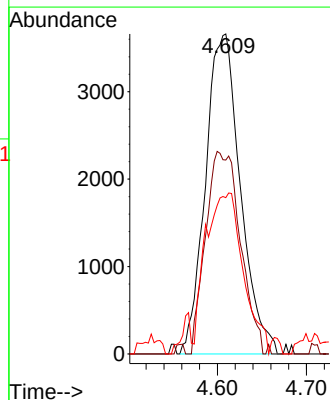
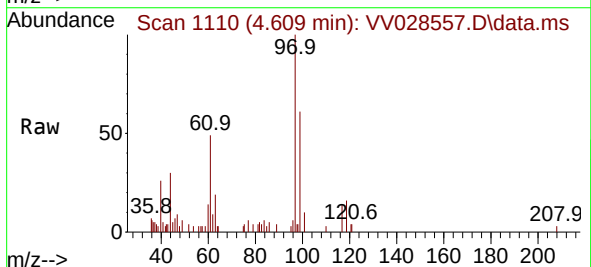
Tgt Ion: 97 Resp: 9971

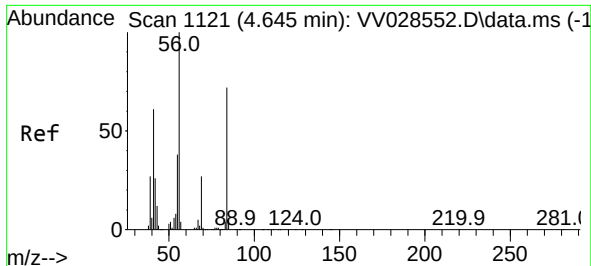
Ion Ratio Lower Upper

97 100

99 62.9 52.6 78.8

61 54.2 42.1 63.1





#30

Cyclohexane

Concen: 0.322 ug/L

RT: 4.670 min Scan# 1121

Delta R.T. 0.026 min

Lab File: VV028557.D

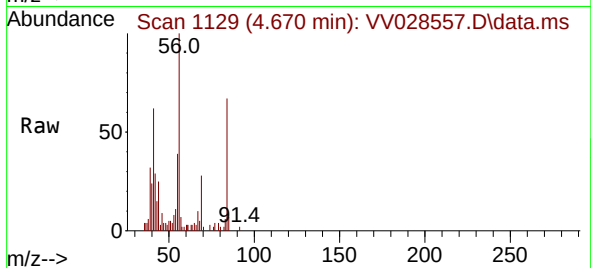
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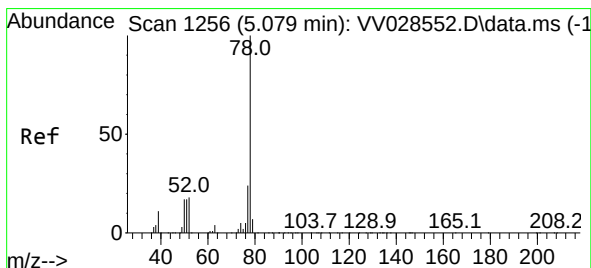
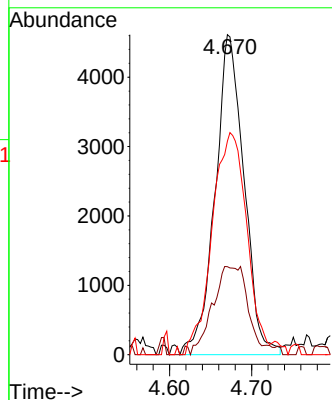
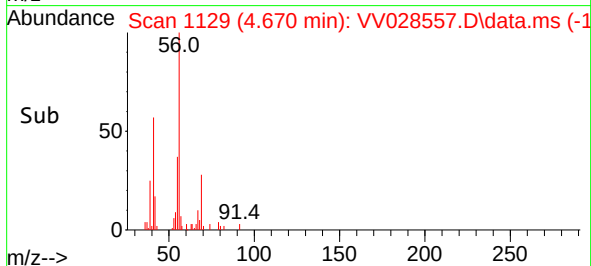
Tgt Ion:	56	Resp:	1132
Ion Ratio	100	Lower	Upper
56	100		
69	34.3	22.4	33.6
84	82.6	60.1	90.1

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#33

Benzene

Concen: 0.400 ug/L

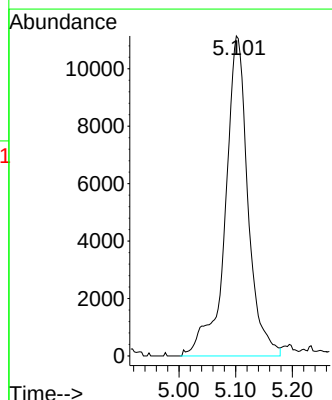
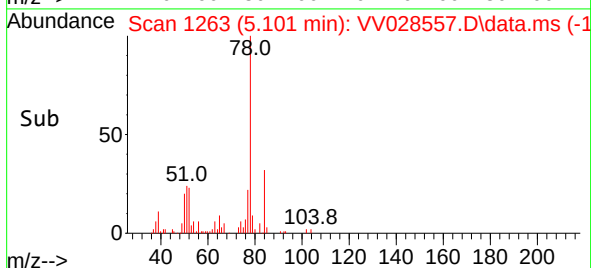
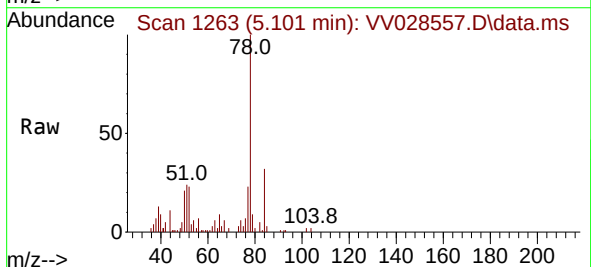
RT: 5.101 min Scan# 1263

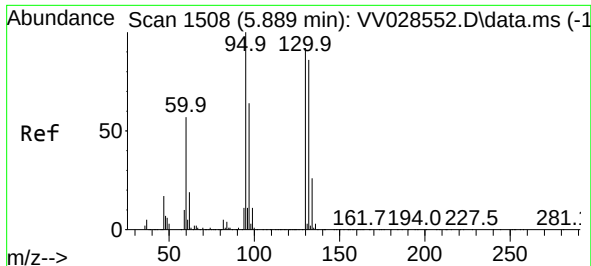
Delta R.T. 0.023 min

Lab File: VV028557.D

Acq: 14 Oct 2022 18:49

Tgt Ion: 78 Resp: 31116





#34

Trichloroethene

Concen: 0.232 ug/L

RT: 5.921 min Scan# 1115

Delta R.T. 0.032 min

Lab File: VV028557.D

Acq: 14 Oct 2022 18:49

Instrument :

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ClientSampleId :

BFZ07

Tgt Ion: 95 Resp: 4314

Ion Ratio Lower Upper

95 100

97 58.0 46.2 85.8

132 82.2 65.1 120.9

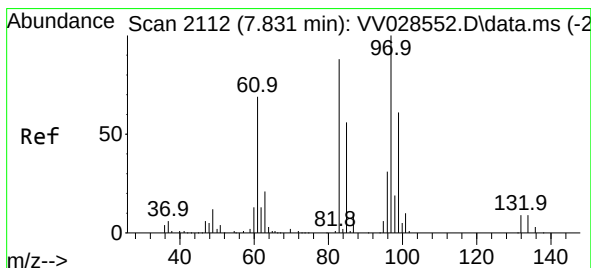
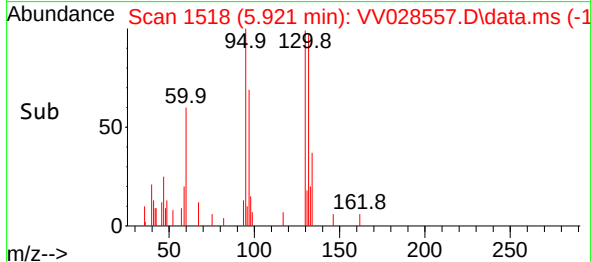
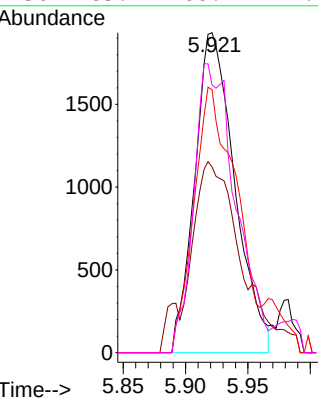
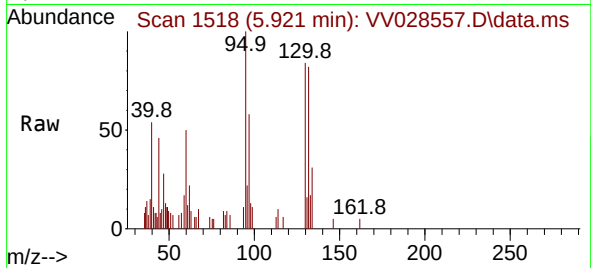
130 83.7 66.1 122.8

Manual Integrations

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Supervised By :Mahesh Dadoda 10/18/2022



#45

1,1,2-Trichloroethane

Concen: 0.540 ug/L

RT: 7.841 min Scan# 2115

Delta R.T. 0.010 min

Lab File: VV028557.D

Acq: 14 Oct 2022 18:49

Tgt Ion: 97 Resp: 5950

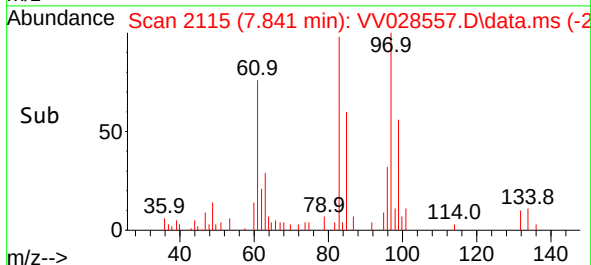
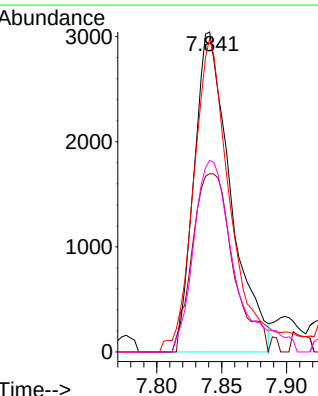
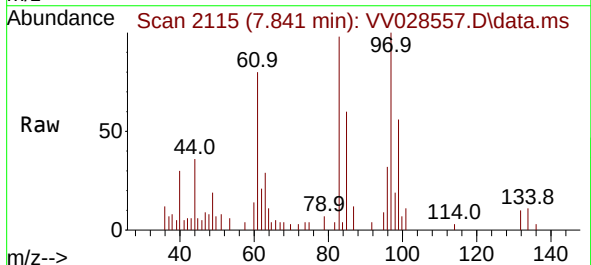
Ion Ratio Lower Upper

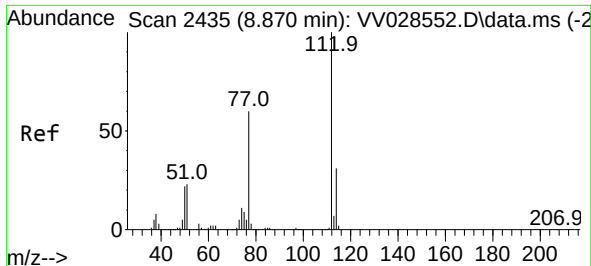
97 100

99 55.7 44.4 82.4

83 97.8 63.1 117.1

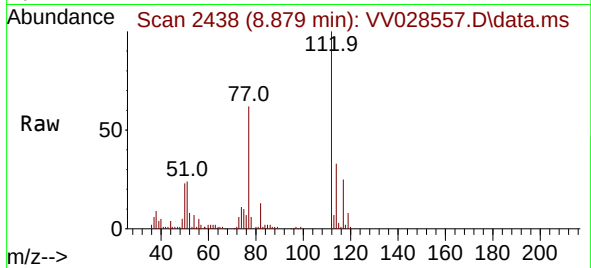
85 59.9 40.1 74.5





#51
Chlorobenzene
Concen: 1.126 ug/L
RT: 8.879 min Scan# 2435
Delta R.T. 0.010 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

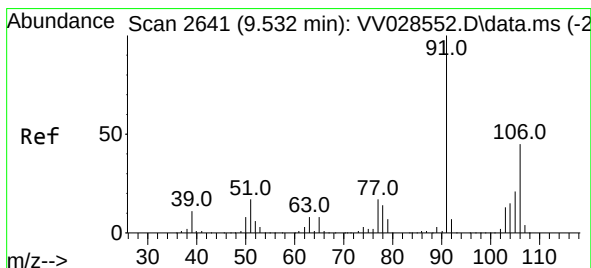
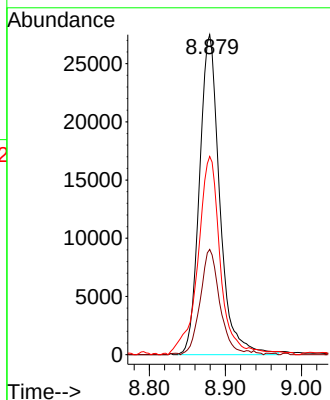
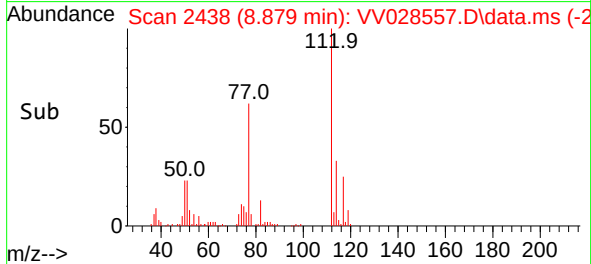
Instrument :
MSVOA_V
ClientSampleId :
BFZ07



Tgt Ion:112 Resp: 50950
Ion Ratio Lower Upper
112 100
114 32.9 22.4 41.6
77 61.9 50.2 75.2

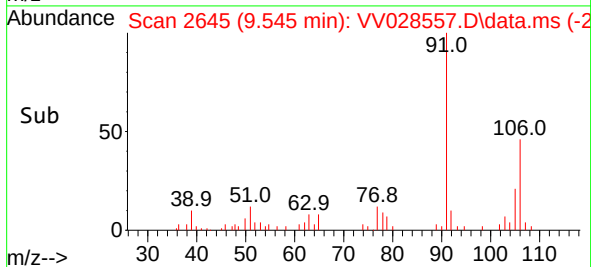
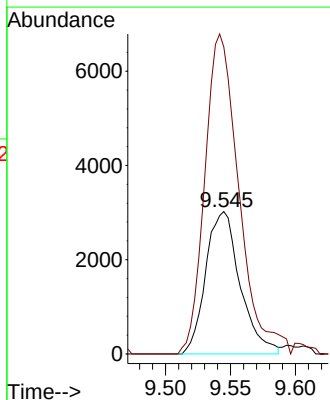
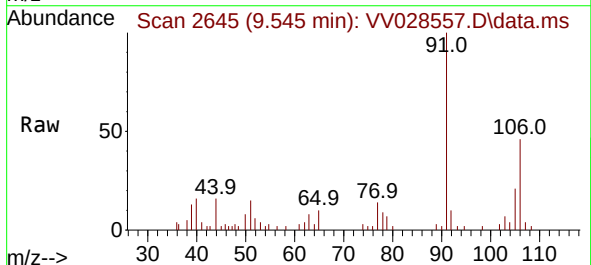
Manual Integrations
APPROVED

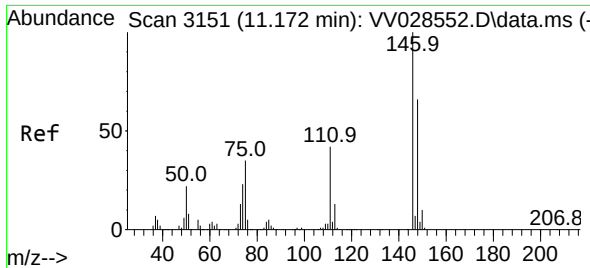
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022



#54
o-Xylene
Concen: 0.189 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.013 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

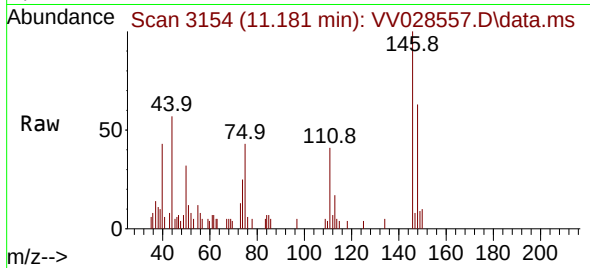
Tgt Ion:106 Resp: 5569
Ion Ratio Lower Upper
106 100
91 215.6 151.4 281.2





#64
1,3-Dichlorobenzene
Concen: 0.134 ug/L
RT: 11.181 min Scan# 3151
Delta R.T. 0.010 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

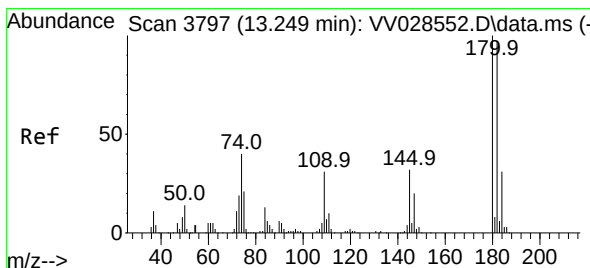
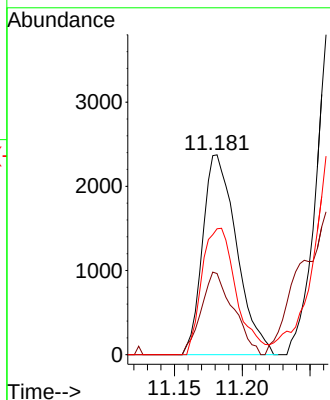
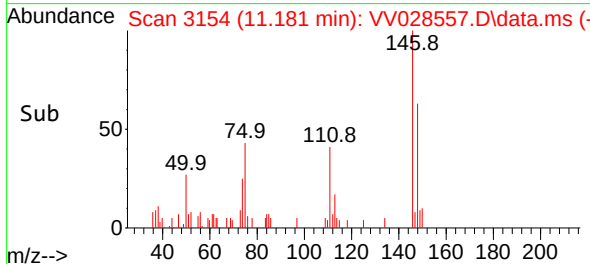
Instrument :
MSVOA_V
ClientSampleId :
BFZ07



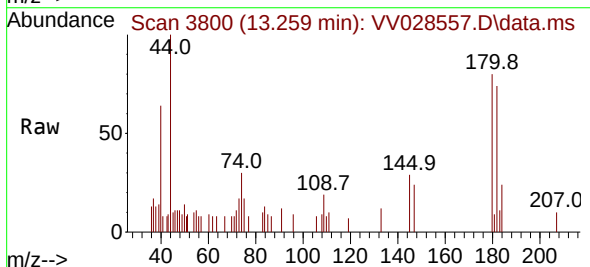
Tgt Ion:146 Resp: 413
Ion Ratio Lower Upper
146 100
111 40.6 28.5 52.9
148 63.0 45.1 83.9

Manual Integrations
APPROVED

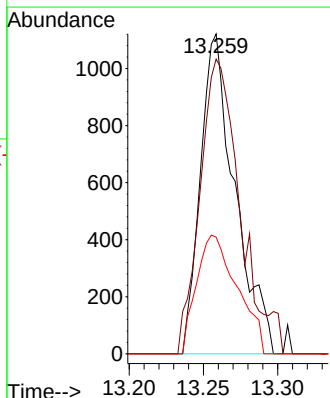
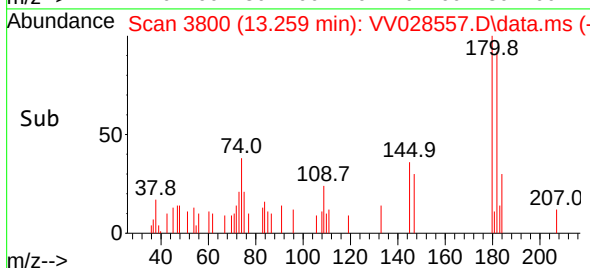
Reviewed By :Krupa Patel 10/17/2022
Supervised By :Mahesh Dadoda 10/18/2022

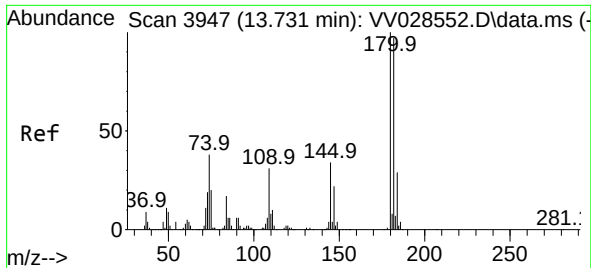


#70
1,2,4-trichlorobenzene
Concen: 0.105 ug/L
RT: 13.259 min Scan# 3800
Delta R.T. 0.010 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49



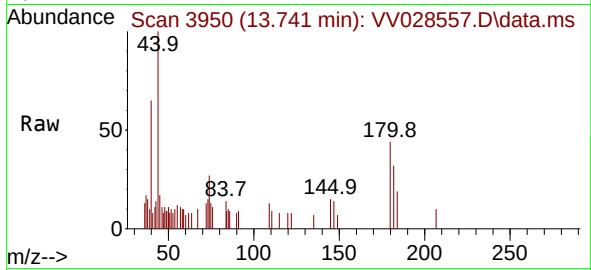
Tgt Ion:180 Resp: 1817
Ion Ratio Lower Upper
180 100
182 106.7 74.2 111.2
145 43.6 25.3 37.9#





#72
1,2,3-Trichlorobenzene
Concen: 0.080 ug/L
RT: 13.741 min Scan# 3947
Delta R.T. 0.010 min
Lab File: VV028557.D
Acq: 14 Oct 2022 18:49

Instrument :
MSVOA_V
ClientSampleId :
BFZ07



Tgt Ion	Ratio	Lower	Upper
180	100		
182	68.7	76.3	114.5
145	25.1	25.8	38.8

Manual Integrations
APPROVED

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

