

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071724\
 Data File : VW036586.D
 Acq On : 17 Jul 2024 12:02
 Operator : SY/MD
 Sample : P3238-22DL 4X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/18/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 18 01:26:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	271529	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	285274	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	136952	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	75926	19.517	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.080%
7) Chloroethane-d5	1.526	69	67120	19.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
11) 1,1-Dichloroethene-d2	2.050	65	39724	19.886	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.560%
21) 2-Butanone-d5	3.860	46	33158m	49.800	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.600%
24) Chloroform-d	4.243	84	163499	20.687	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.760%
26) 1,2-Dichloroethane-d4	4.937	65	82151	20.957	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.840%
32) Benzene-d6	4.957	84	287244	20.183	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.720%
36) 1,2-Dichloropropane-d6	5.985	67	87850	20.712	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.840%
41) Toluene-d8	7.239	98	292947	22.309	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	7.554	79	36537	20.719	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.880%
47) 2-Hexanone-d5	8.034	63	18576	39.433	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.860%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	74773	20.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	113037	24.321	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.280%
Target Compounds						
					Qvalue	
13) Acetone	2.166	43	79579	84.539	ug/L	95
16) Methylene chloride	2.442	84	93191	16.694	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	53453	14.664	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	51715	6.331	ug/L	98
19) 1,1-Dichloroethane	3.104	63	120746	18.300	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	86665	22.874	ug/L	98
22) 2-Butanone	3.940	43	22438m	28.392	ug/L	
25) Chloroform	4.272	83	79550	10.154	ug/L	100
31) Carbon tetrachloride	4.728	117	28352	4.821	ug/L	96
33) Benzene	5.005	78	360359	25.526	ug/L	100
34) Trichloroethene	5.828	95	127712	28.429	ug/L	99
38) Bromodichloromethane	6.429	83	102559	18.167	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	111108	20.223	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	120884	74.662	ug/L	95
42) Toluene	7.313	91	178551	11.936	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	48802	13.901	ug/L	96
46) Tetrachloroethene	7.902	164	46760	12.873	ug/L	99
49) Dibromochloromethane	8.175	129	99716	23.488	ug/L	100
50) 1,2-Dibromoethane	8.284	107	34012	10.323	ug/L	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	8.943	91	307395	19.157	ug/L	99
53) m,p-Xylene	9.072	106	48095	7.785	ug/L	96
54) o-Xylene	9.477	106	70154	11.927	ug/L	99
55) Styrene	9.493	104	254786	24.210	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	79506	24.800	ug/L	97
59) Bromoform	9.664	173	77440	31.905	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	180356	20.767	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	15241	28.910	ug/L	97

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

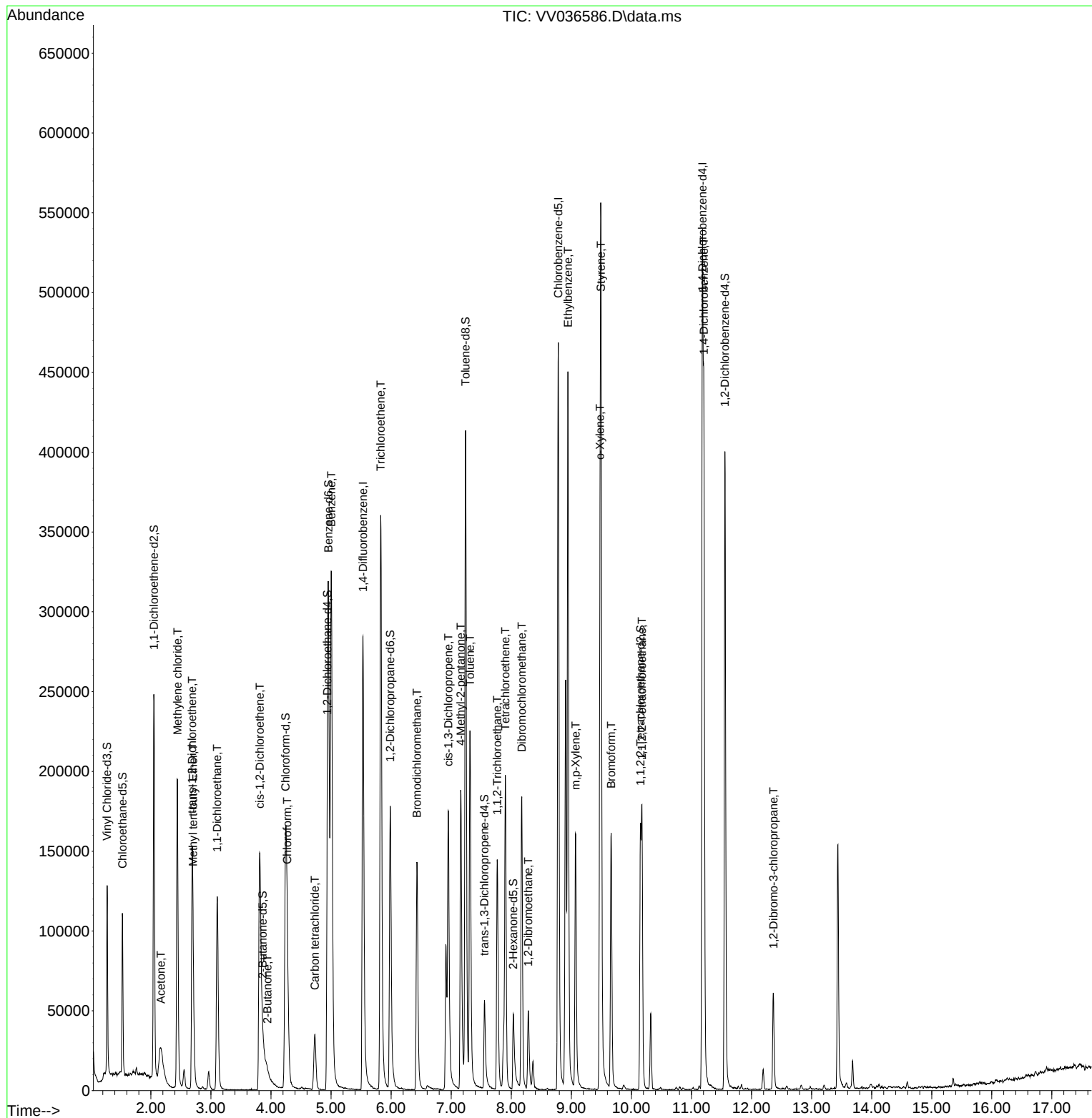
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071724\
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Acq On : 17 Jul 2024 12:02
Operator : SY/MD
Sample : P3238-22DL 4X
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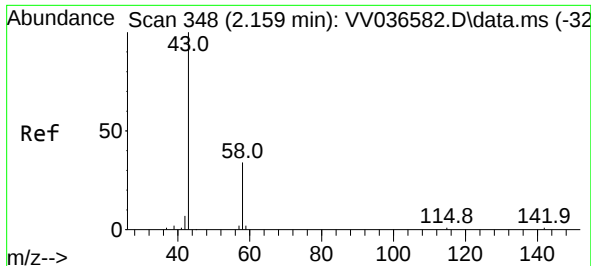
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MSVOA_V
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#13

Acetone

Concen: 84.539 ug/L

RT: 2.166 min Scan# 3

Delta R.T. 0.006 min

Lab File: VV036586.D

Acq: 17 Jul 2024 12:02

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8DL

Tgt Ion: 43 Resp: 79579

Ion Ratio Lower Upper

43 100

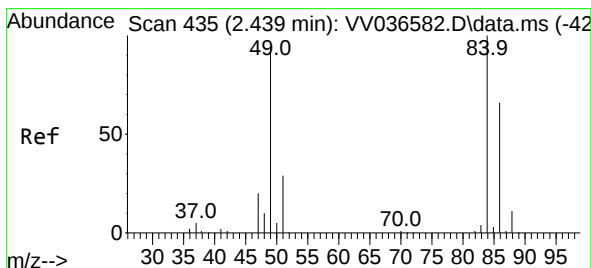
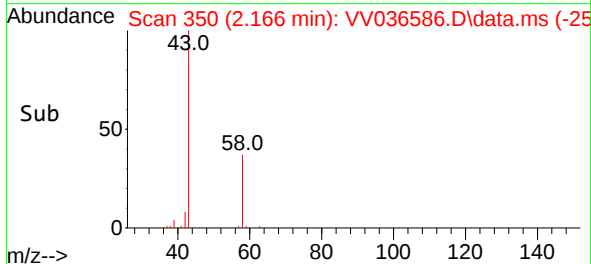
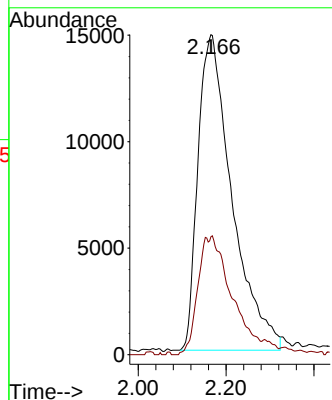
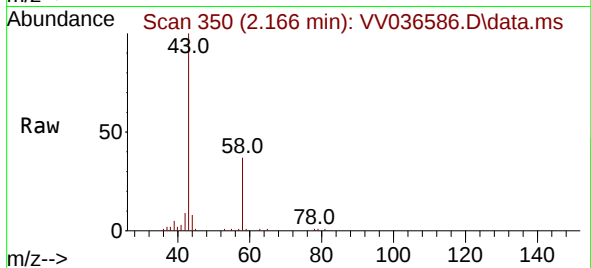
58 12.1 0.0 28.4

Manual Integrations

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Reviewed By :Romaben Patel 07/18/2024

Supervised By :Mahesh Dadoda 07/19/2024



#16

Methylene chloride

Concen: 16.694 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.003 min

Lab File: VV036586.D

Acq: 17 Jul 2024 12:02

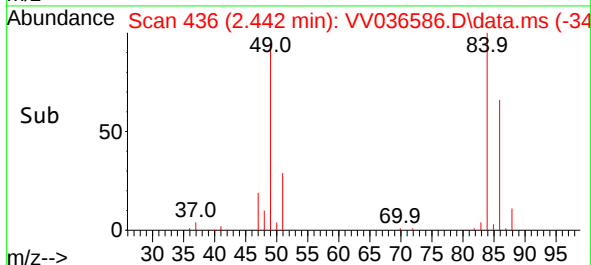
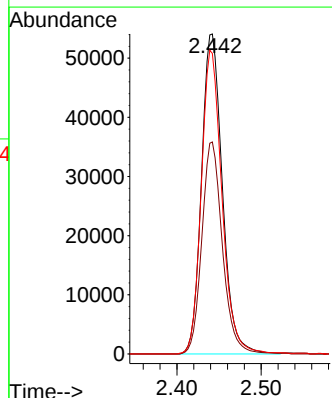
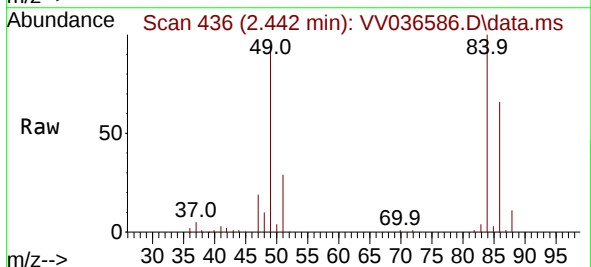
Tgt Ion: 84 Resp: 93191

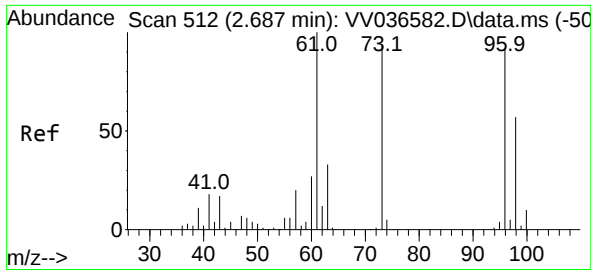
Ion Ratio Lower Upper

84 100

86 66.3 46.3 86.1

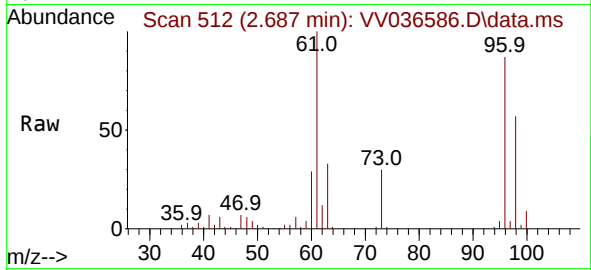
49 93.9 68.1 126.5





#17
trans-1,2-Dichloroethene
Concen: 14.664 ug/L
RT: 2.687 min Scan# 512
Delta R.T. 0.000 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

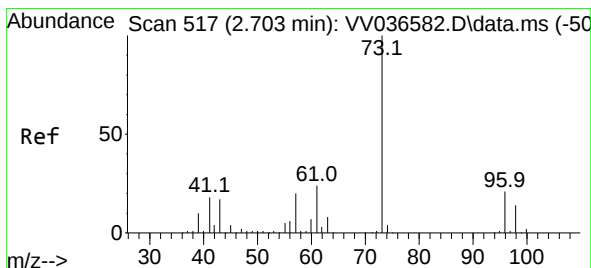
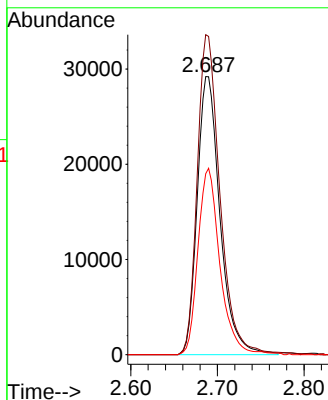
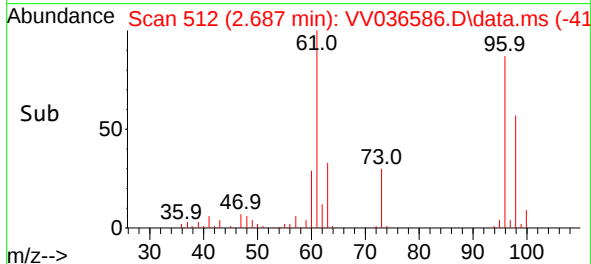
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion: 96 Resp: 5345
Ion Ratio Lower Upper
96 100
61 115.1 80.7 149.9
98 65.1 44.6 82.8

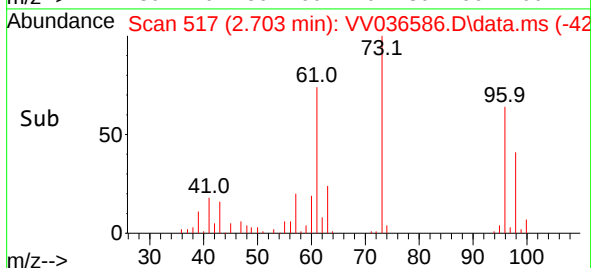
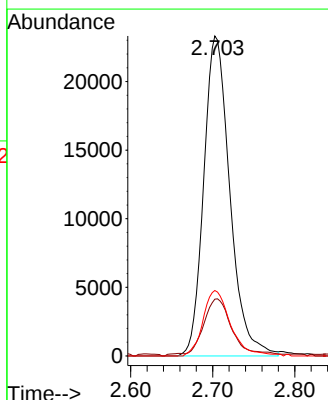
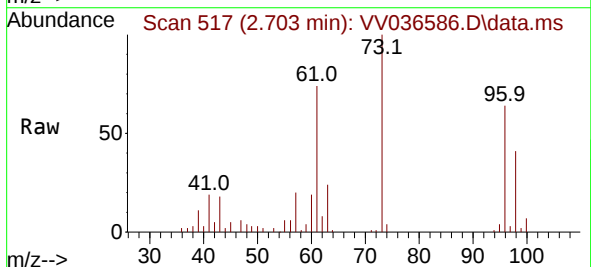
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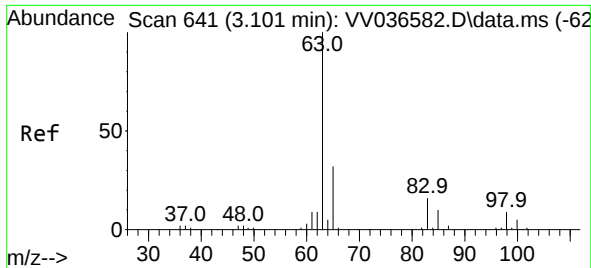
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#18
Methyl tert-butyl Ether
Concen: 6.331 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.000 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Tgt Ion: 73 Resp: 51715
Ion Ratio Lower Upper
73 100
43 17.3 14.3 21.5
57 21.4 16.5 24.7





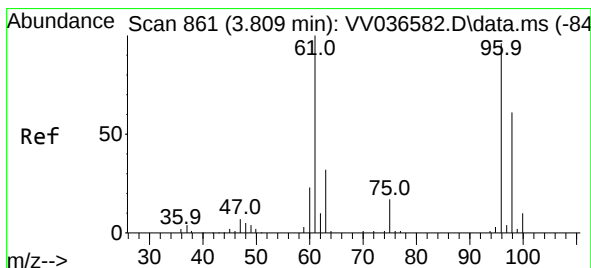
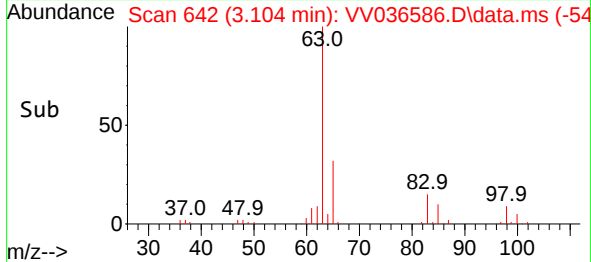
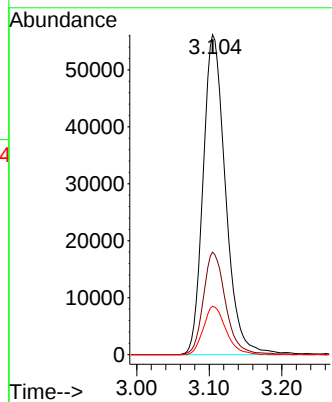
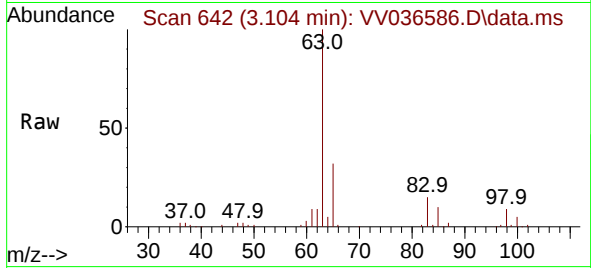
#19
1,1-Dichloroethane
Concen: 18.300 ug/L
RT: 3.104 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion: 63 Resp: 120740
Ion Ratio Lower Upper
63 100
65 32.0 22.7 42.1
83 15.1 10.9 20.2

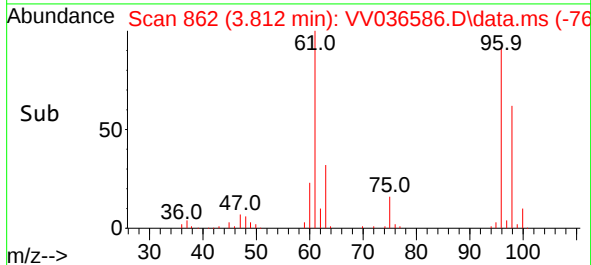
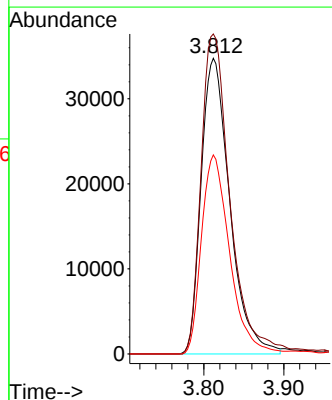
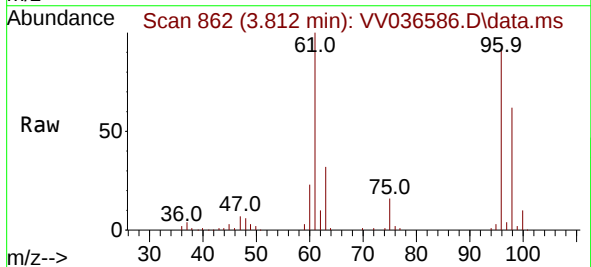
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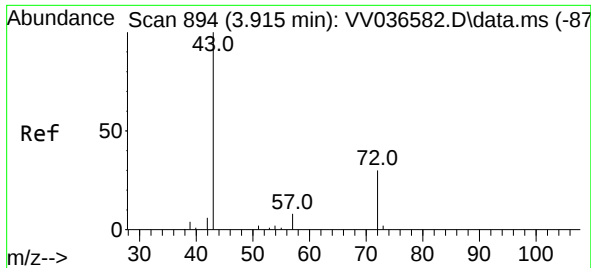
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#20
cis-1,2-Dichloroethene
Concen: 22.874 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

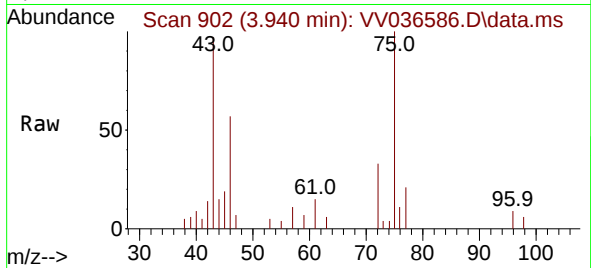
Tgt Ion: 96 Resp: 86665
Ion Ratio Lower Upper
96 100
61 108.2 74.8 138.8
98 67.3 45.2 84.0





#22
2-Butanone
Concen: 28.392 ug/L m
RT: 3.940 min Scan# 902
Delta R.T. 0.026 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

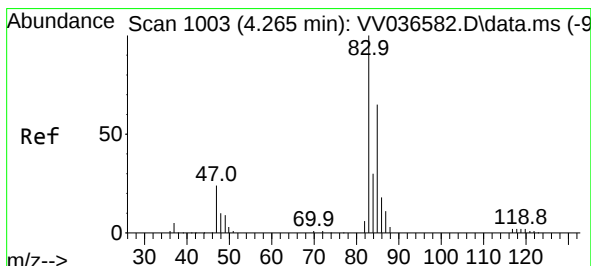
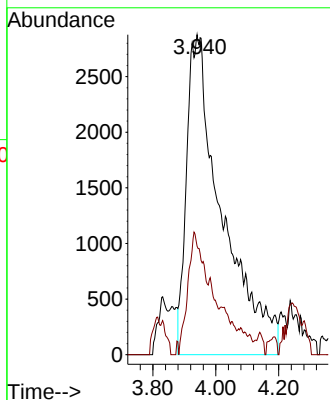
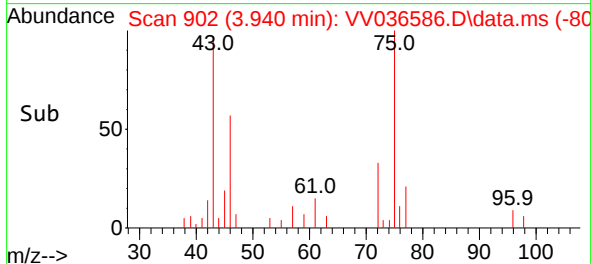
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion: 43 Resp: 22438
Ion Ratio Lower Upper
43 100
72 13.8 5.9 17.6

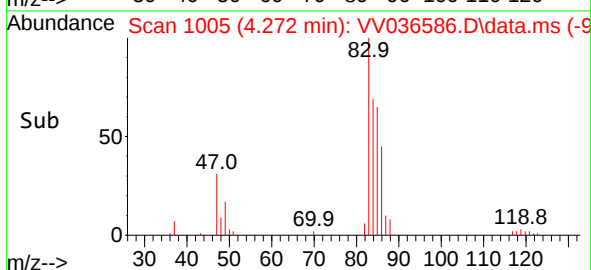
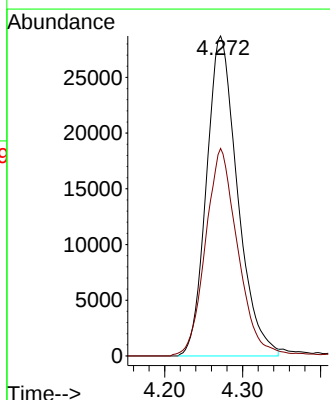
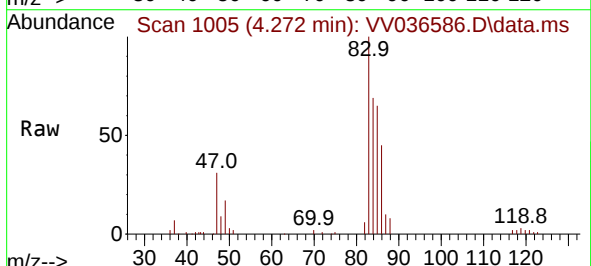
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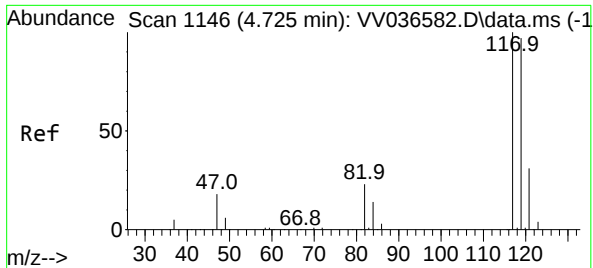
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#25
Chloroform
Concen: 10.154 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

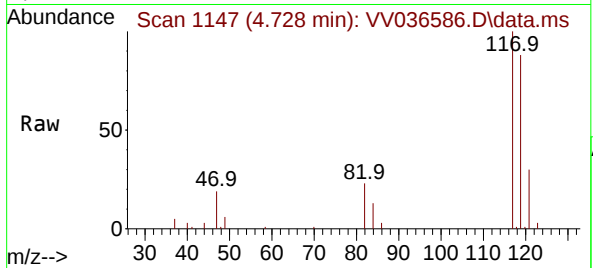
Tgt Ion: 83 Resp: 79550
Ion Ratio Lower Upper
83 100
85 64.9 45.6 84.6





#31
Carbon tetrachloride
Concen: 4.821 ug/L
RT: 4.728 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

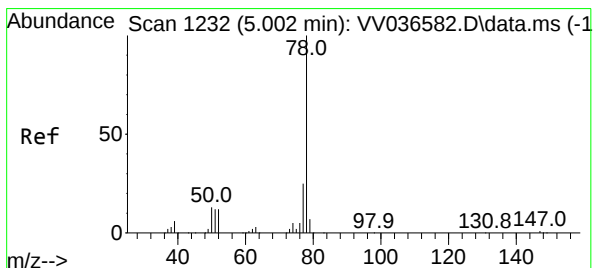
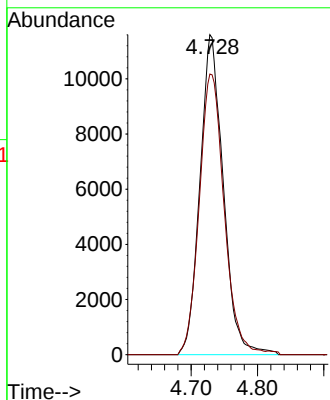
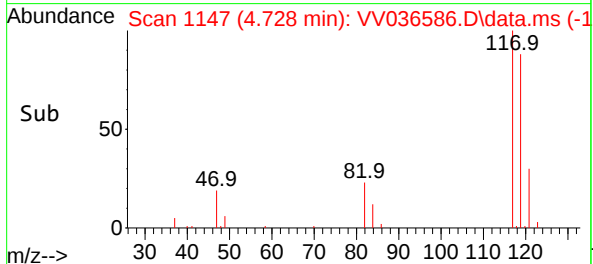
Instrument :
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Tgt Ion:117 Resp: 2835
Ion Ratio Lower Upper
117 100
119 93.5 77.6 116.4

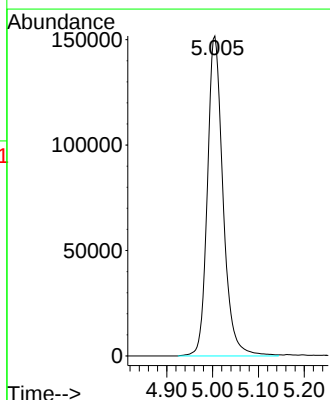
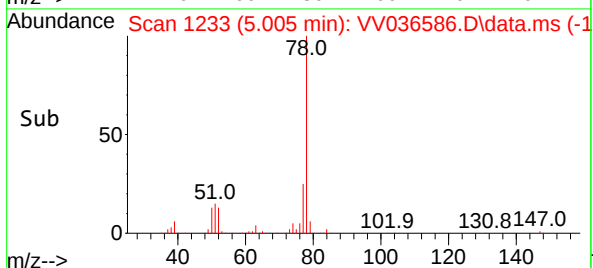
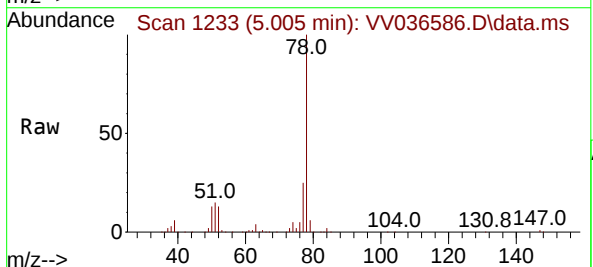
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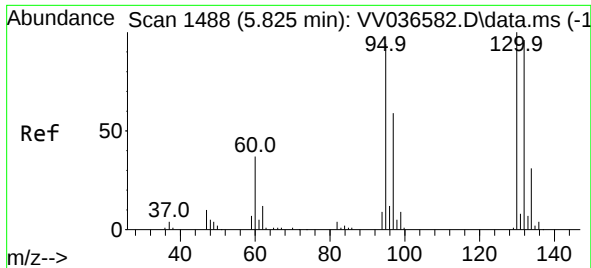
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#33
Benzene
Concen: 25.526 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

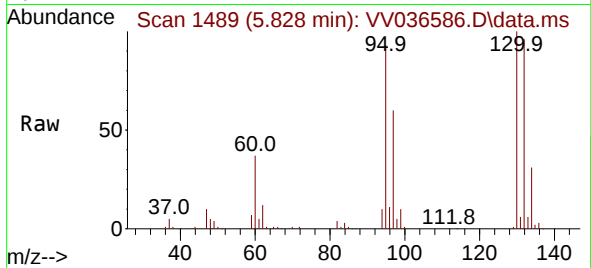
Tgt Ion: 78 Resp: 360359





#34
Trichloroethene
Concen: 28.429 ug/L
RT: 5.828 min Scan# 1488
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

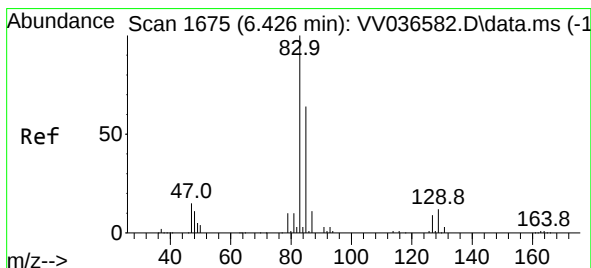
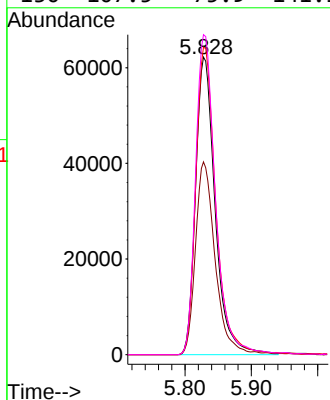
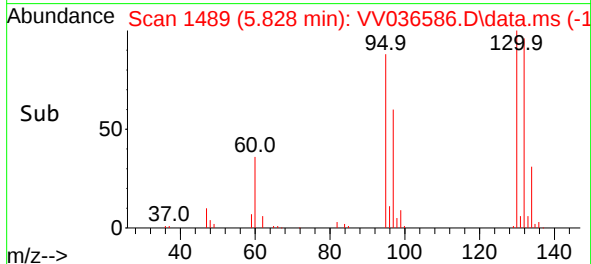
Instrument :
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Tgt Ion: 95 Resp: 127712
Ion Ratio Lower Upper
95 100
97 64.8 44.4 82.4
132 103.3 73.0 135.6
130 107.5 75.9 141.1

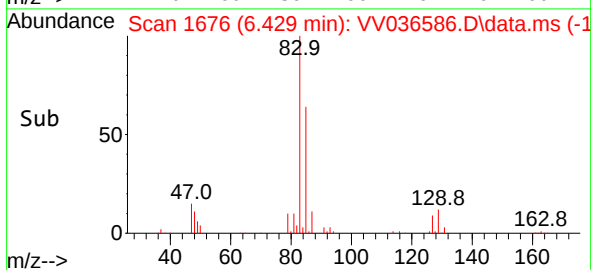
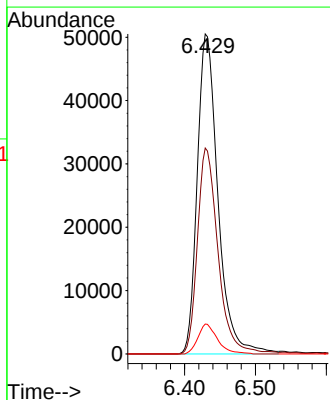
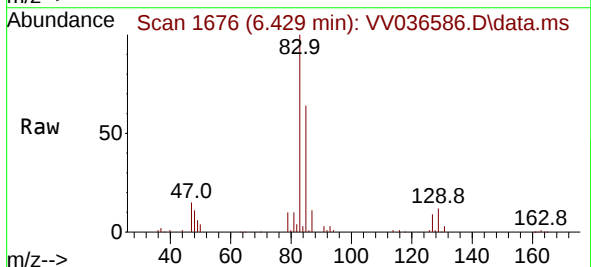
Manual Integrations
APPROVED

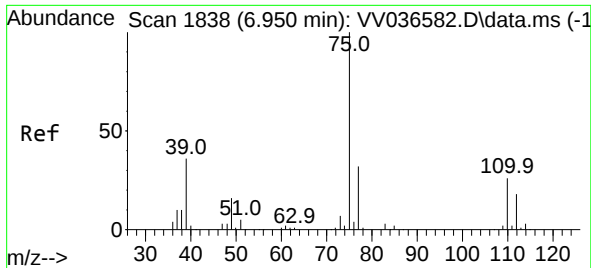
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#38
Bromodichloromethane
Concen: 18.167 ug/L
RT: 6.429 min Scan# 1676
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

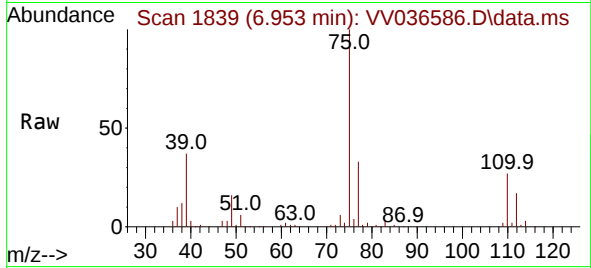
Tgt Ion: 83 Resp: 102559
Ion Ratio Lower Upper
83 100
85 64.3 44.3 82.3
127 10.3 7.0 10.4





#39
 cis-1,3-Dichloropropene
 Concen: 20.223 ug/L
 RT: 6.953 min Scan# 1839
 Delta R.T. 0.003 min
 Lab File: VV036586.D
 Acq: 17 Jul 2024 12:02

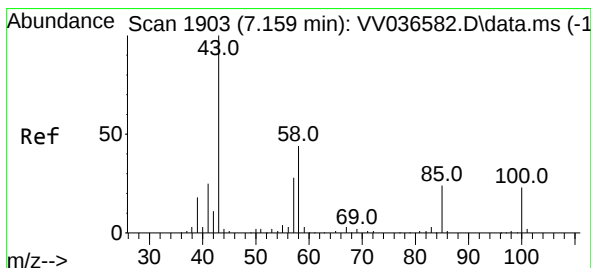
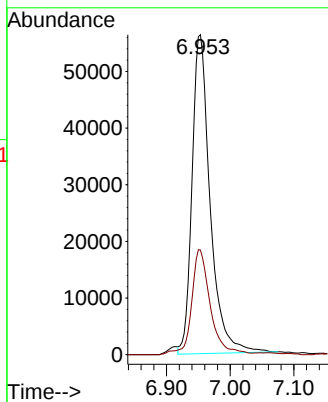
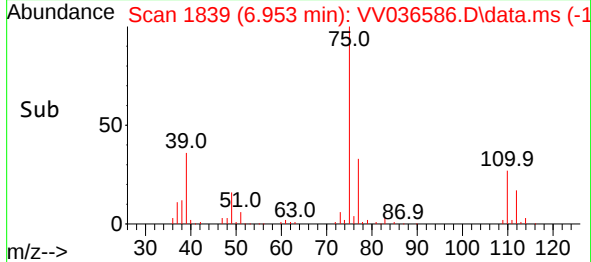
Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL



Tgt Ion: 75 Resp: 111108
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2

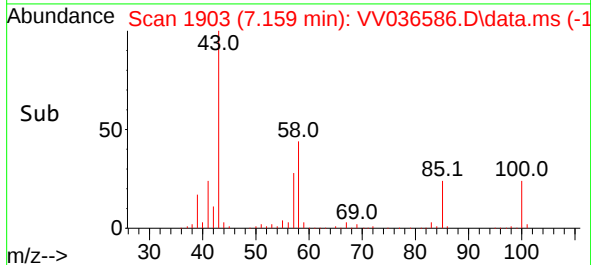
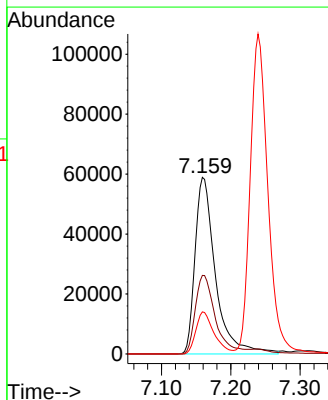
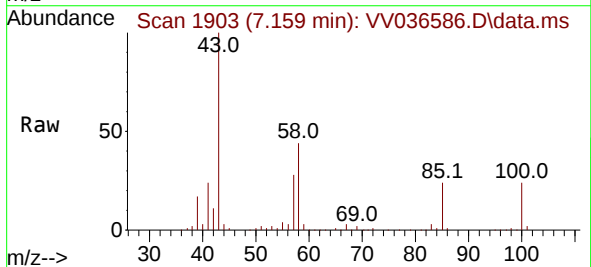
Manual Integrations
 APPROVED

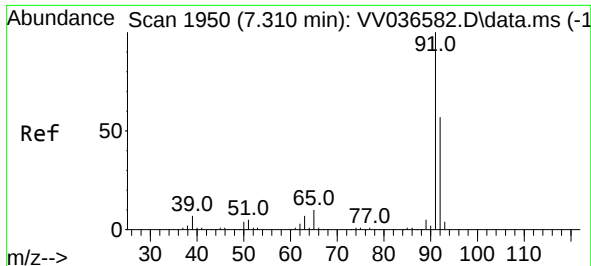
Reviewed By :Romaben Patel 07/18/2024
 Supervised By :Mahesh Dadoda 07/19/2024



#40
 4-Methyl-2-pentanone
 Concen: 74.662 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VV036586.D
 Acq: 17 Jul 2024 12:02

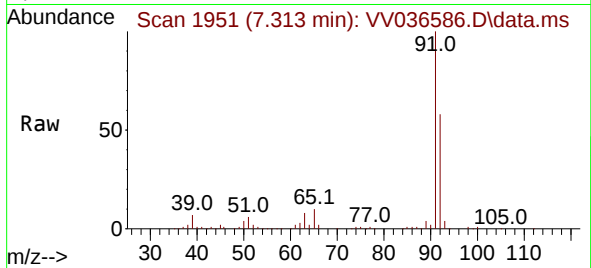
Tgt Ion: 43 Resp: 120884
 Ion Ratio Lower Upper
 43 100
 58 44.1 32.9 49.3
 100 21.3 15.5 23.3





#42
Toluene
Concen: 11.936 ug/L
RT: 7.313 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

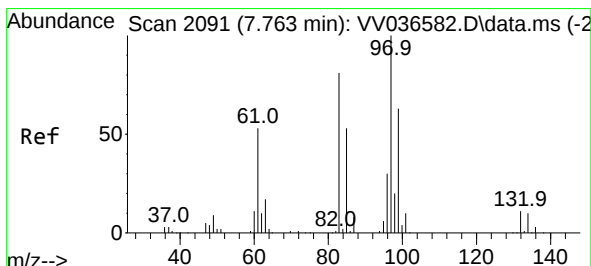
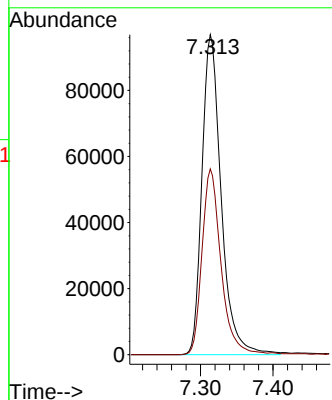
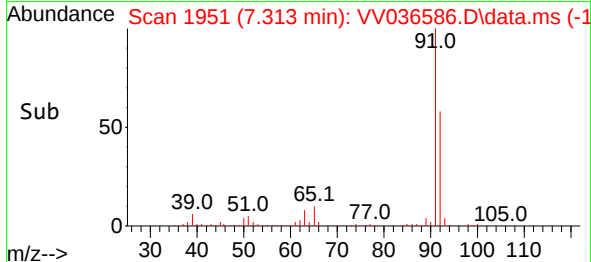
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



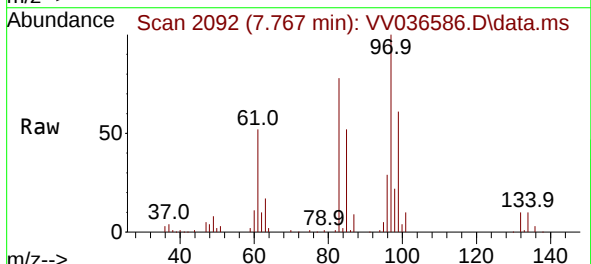
Tgt Ion: 91 Resp: 17855
Ion Ratio Lower Upper
91 100
92 58.0 40.1 74.5

Manual Integrations
APPROVED

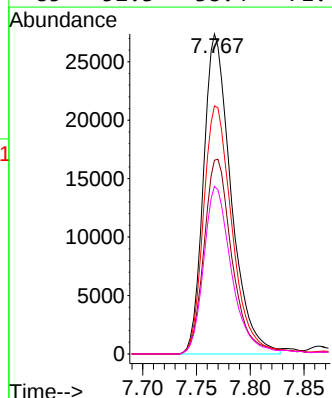
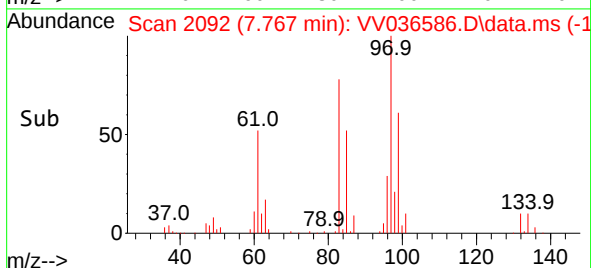
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024

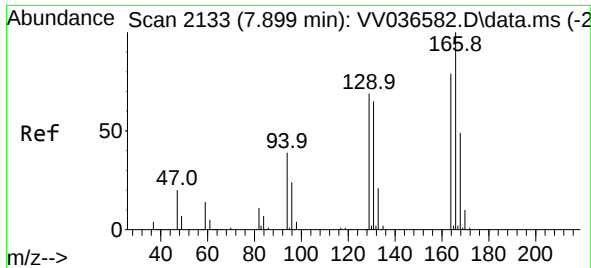


#45
1,1,2-Trichloroethane
Concen: 13.901 ug/L
RT: 7.767 min Scan# 2092
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02



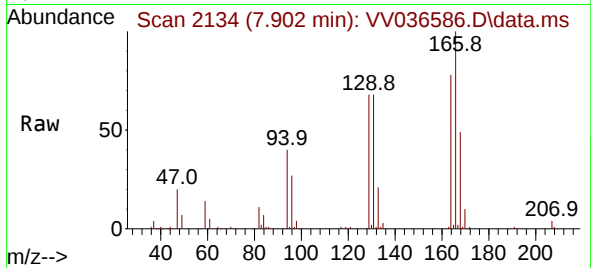
Tgt Ion: 97 Resp: 48802
Ion Ratio Lower Upper
97 100
99 60.5 42.6 79.2
83 77.5 58.0 107.6
85 52.3 38.4 71.4





#46
Tetrachloroethene
Concen: 12.873 ug/L
RT: 7.902 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

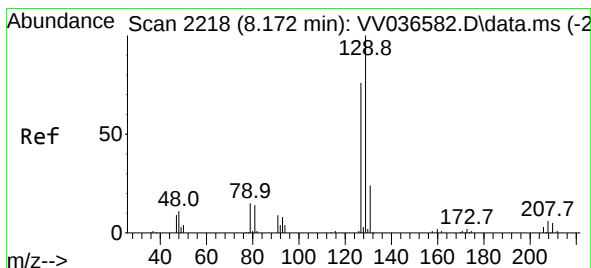
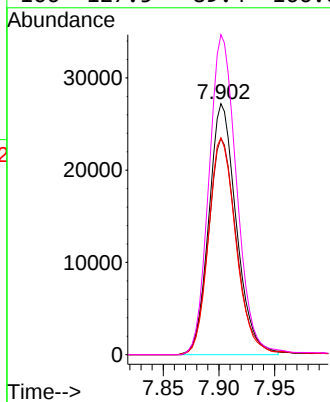
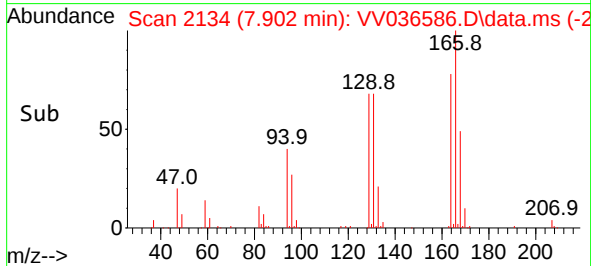
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion:164 Resp: 46760
Ion Ratio Lower Upper
164 100
129 86.2 61.0 113.4
131 86.3 59.8 111.1
166 127.5 89.4 166.0

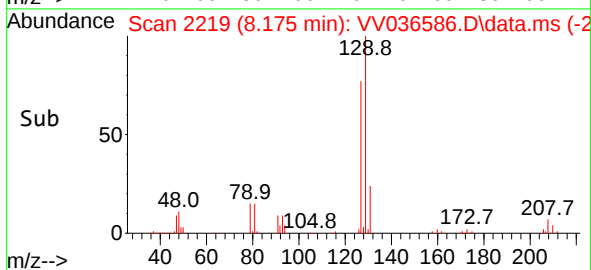
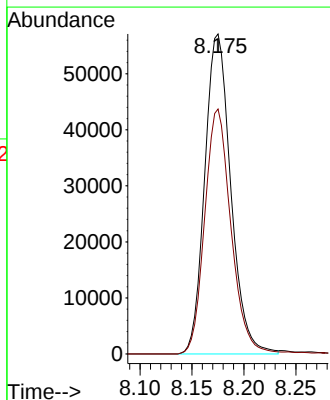
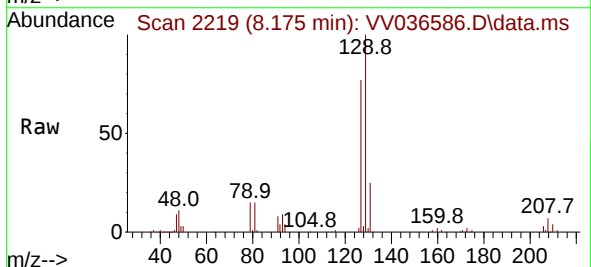
Manual Integrations
APPROVED

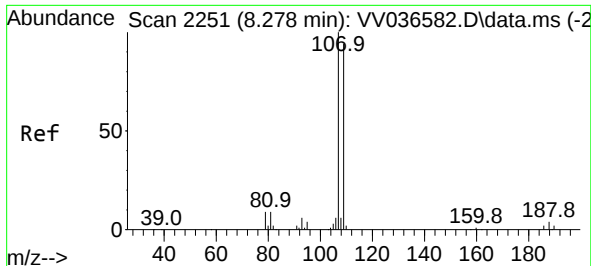
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#49
Dibromochloromethane
Concen: 23.488 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

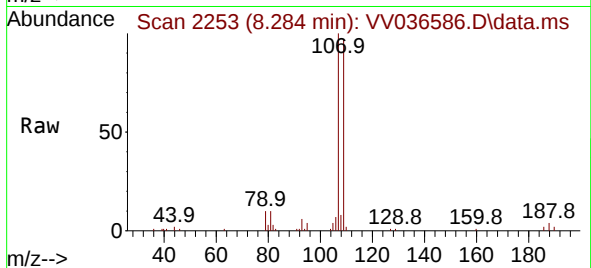
Tgt Ion:129 Resp: 99716
Ion Ratio Lower Upper
129 100
127 76.6 53.7 99.7





#50
1,2-Dibromoethane
Concen: 10.323 ug/L
RT: 8.284 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

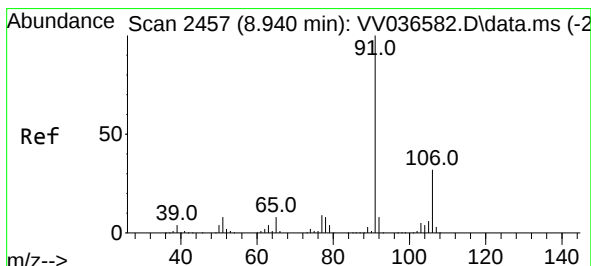
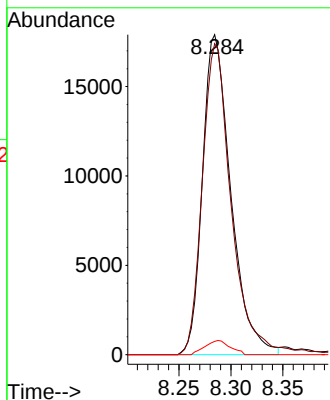
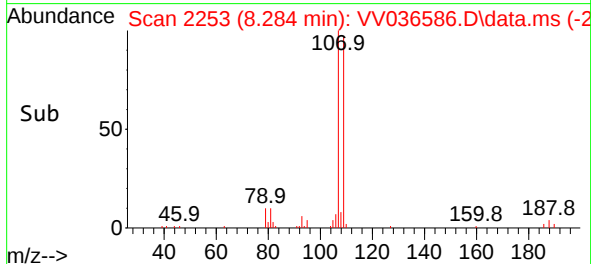
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion:107 Resp: 3401
Ion Ratio Lower Upper
107 100
109 97.2 66.2 123.0
188 4.2 3.4 5.0

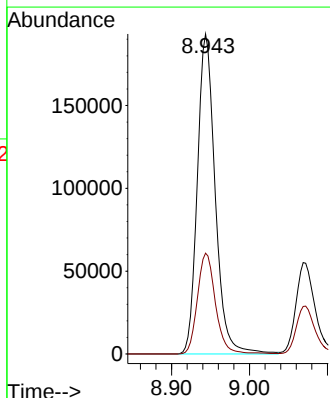
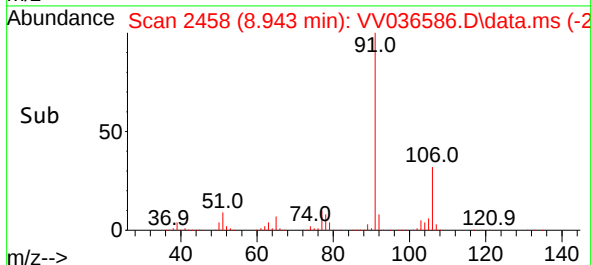
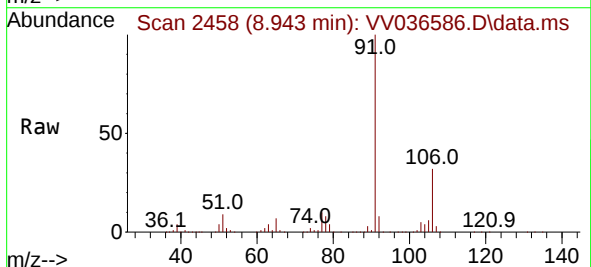
Manual Integrations
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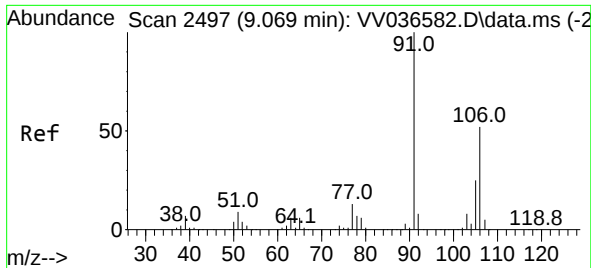
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#52
Ethylbenzene
Concen: 19.157 ug/L
RT: 8.943 min Scan# 2458
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Tgt Ion: 91 Resp: 307395
Ion Ratio Lower Upper
91 100
106 31.5 22.6 42.0





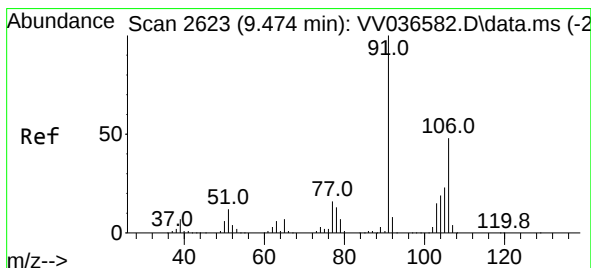
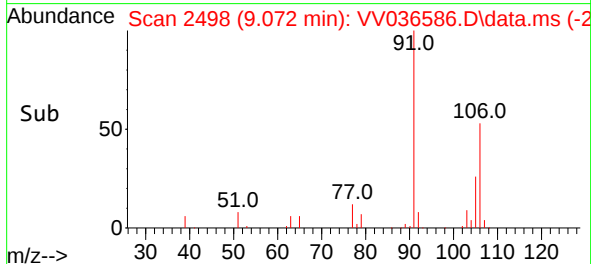
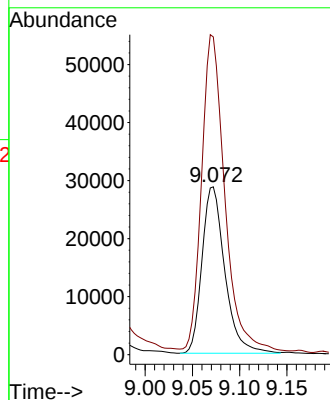
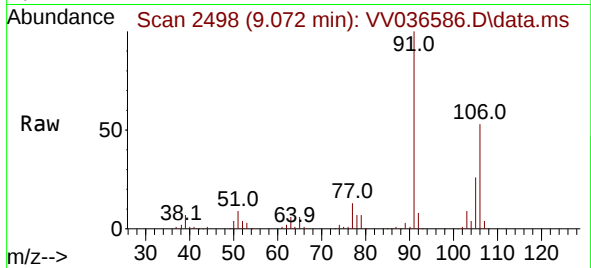
#53
m,p-Xylene
Concen: 7.785 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion:106 Resp: 4809
Ion Ratio Lower Upper
106 100
91 189.2 137.1 254.7

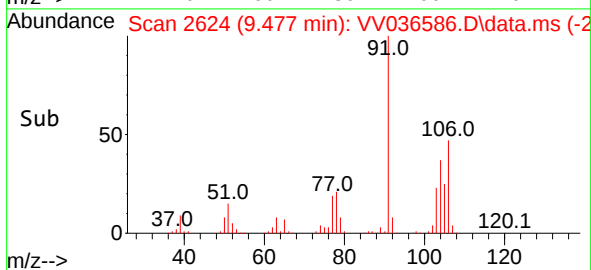
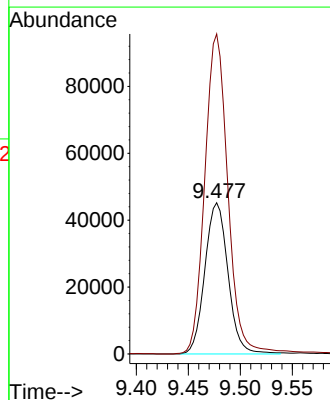
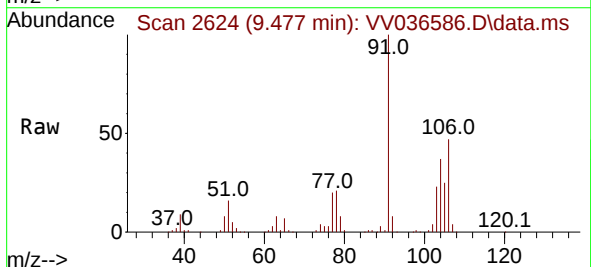
Manual Integrations
APPROVED

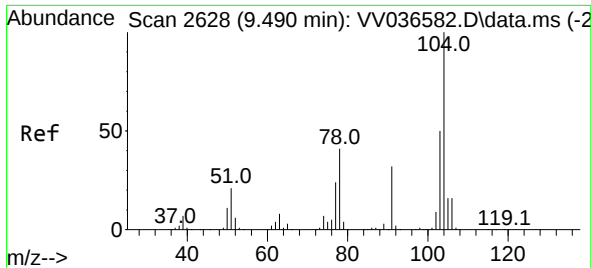
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#54
o-Xylene
Concen: 11.927 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Tgt Ion:106 Resp: 70154
Ion Ratio Lower Upper
106 100
91 211.7 147.3 273.6





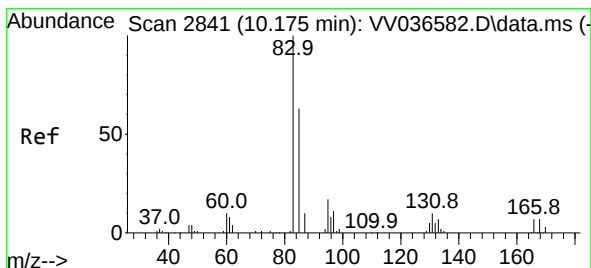
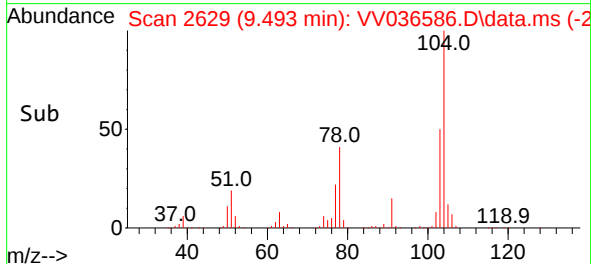
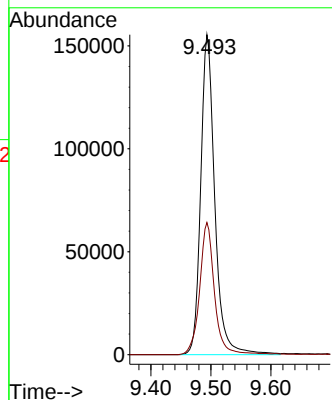
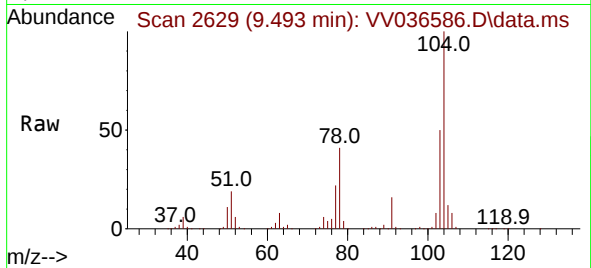
#55
Styrene
Concen: 24.210 ug/L
RT: 9.493 min Scan# 2628
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion:104 Resp: 254780
Ion Ratio Lower Upper
104 100
78 41.3 28.8 53.6

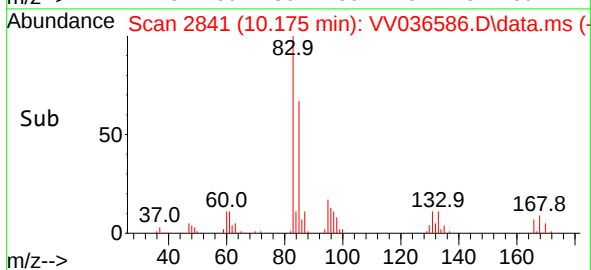
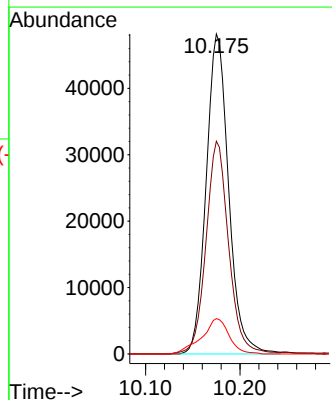
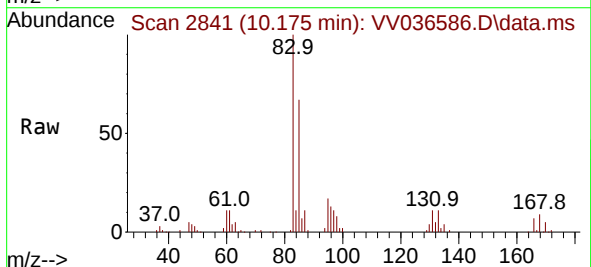
Manual Integrations
APPROVED

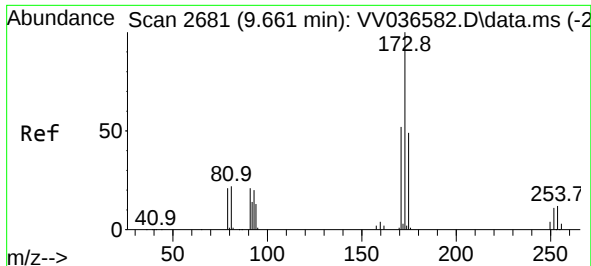
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 24.800 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

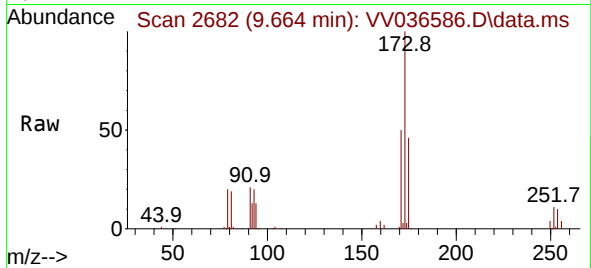
Tgt Ion: 83 Resp: 79506
Ion Ratio Lower Upper
83 100
85 66.5 45.0 83.6
131 11.1 8.1 12.1





#59
Bromoform
Concen: 31.905 ug/L
RT: 9.664 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

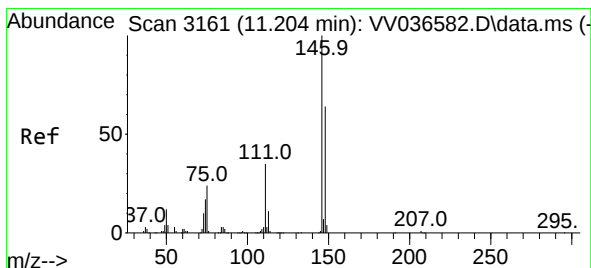
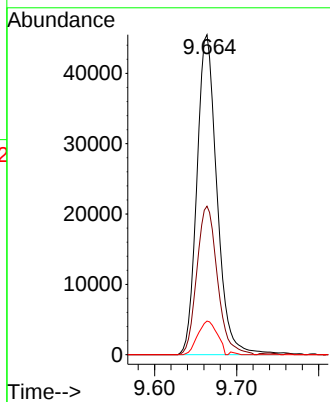
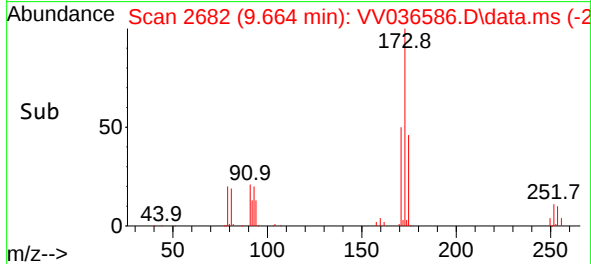
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



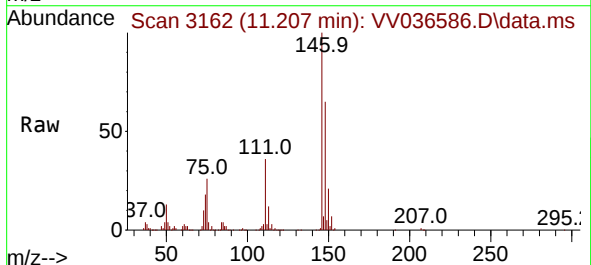
Tgt Ion:173 Resp: 77440
Ion Ratio Lower Upper
173 100
175 47.6 37.6 56.4
254 10.1 8.2 12.4

Manual Integrations
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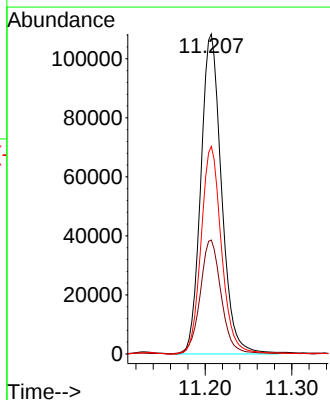
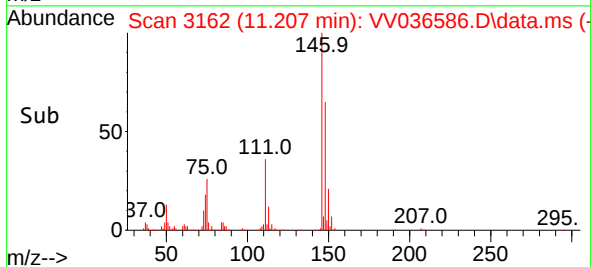
Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024

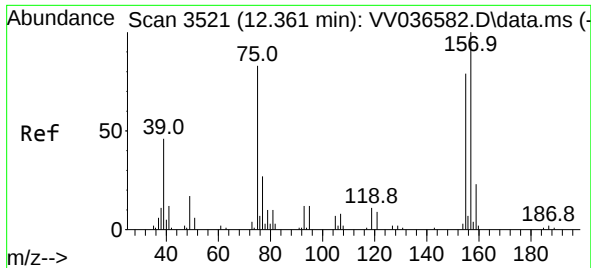


#65
1,4-Dichlorobenzene
Concen: 20.767 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02



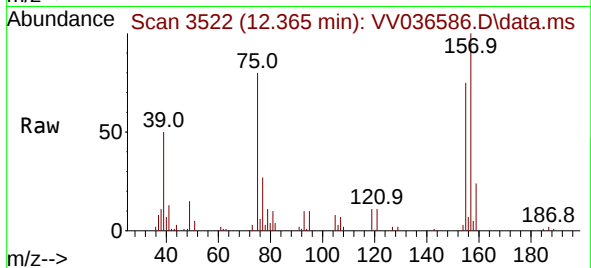
Tgt Ion:146 Resp: 180356
Ion Ratio Lower Upper
146 100
111 35.6 25.2 46.8
148 64.9 45.2 84.0





#68
1,2-Dibromo-3-chloropropane
Concen: 28.910 ug/L
RT: 12.365 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV036586.D
Acq: 17 Jul 2024 12:02

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion: 75 Resp: 1524
Ion Ratio Lower Upper
75 100
155 93.5 74.6 111.8
157 124.4 95.0 142.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 07/18/2024
Supervised By :Mahesh Dadoda 07/19/2024

