

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071524\
 Data File : VW036536.D
 Acq On : 15 Jul 2024 18:30
 Operator : SY/MD
 Sample : P3238-22
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 16 01:30:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	326860	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	343611	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	170710	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.269	65	96682	20.646	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.600%
7) Chloroethane-d5	1.523	69	88251	21.555	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.047	65	47166	19.614	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.440%
21) 2-Butanone-d5	3.815	46	53893m	67.240	ug/L	-0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.480%
24) Chloroform-d	4.243	84	217851	22.897	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.937	65	114886	24.346	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	4.953	84	376390	21.957	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.840%
36) 1,2-Dichloropropane-d6	5.985	67	117152	22.931	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.239	98	386869	24.459	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.840%
43) trans-1,3-Dichloroprop...	7.551	79	51072	24.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.160%
47) 2-Hexanone-d5	8.030	63	34956	61.606	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.220%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	115446	26.831	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	147809	25.514	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.040%
Target Compounds						
					Qvalue	
13) Acetone	2.140	43	379865m	335.228	ug/L	
16) Methylene chloride	2.436	84	337447	50.215	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	229414	52.282	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	287436	29.232	ug/L	99
19) 1,1-Dichloroethane	3.101	63	525225	66.127	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	438093	96.057	ug/L	99
22) 2-Butanone	3.889	43	119204m	125.302	ug/L	
25) Chloroform	4.268	83	336580	35.689	ug/L	100
31) Carbon tetrachloride	4.725	117	113108	15.967	ug/L	99
33) Benzene	5.002	78	1625260	95.579	ug/L	100
34) Trichloroethene	5.825	95	593912	109.759	ug/L	99
38) Bromodichloromethane	6.426	83	479478	70.514	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	590680	89.260	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	784615	402.330	ug/L	91
42) Toluene	7.310	91	830672	46.102	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	238376	56.370	ug/L	98
46) Tetrachloroethene	7.902	164	198746	45.426	ug/L	99
49) Dibromochloromethane	8.172	129	496562	97.107	ug/L	99
50) 1,2-Dibromoethane	8.281	107	178025	44.857	ug/L	100

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

52) Ethylbenzene	8.944	91	1598421	82.700	ug/L	100
53) m,p-Xylene	9.069	106	246094	33.071	ug/L	100
54) o-Xylene	9.477	106	393017	55.473	ug/L	99
55) Styrene	9.493	104	1404216	110.778	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	398908	103.305	ug/L	99
59) Bromoform	9.661	173	413967	136.825	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	883887	81.647	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	84956	129.281	ug/L	96

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

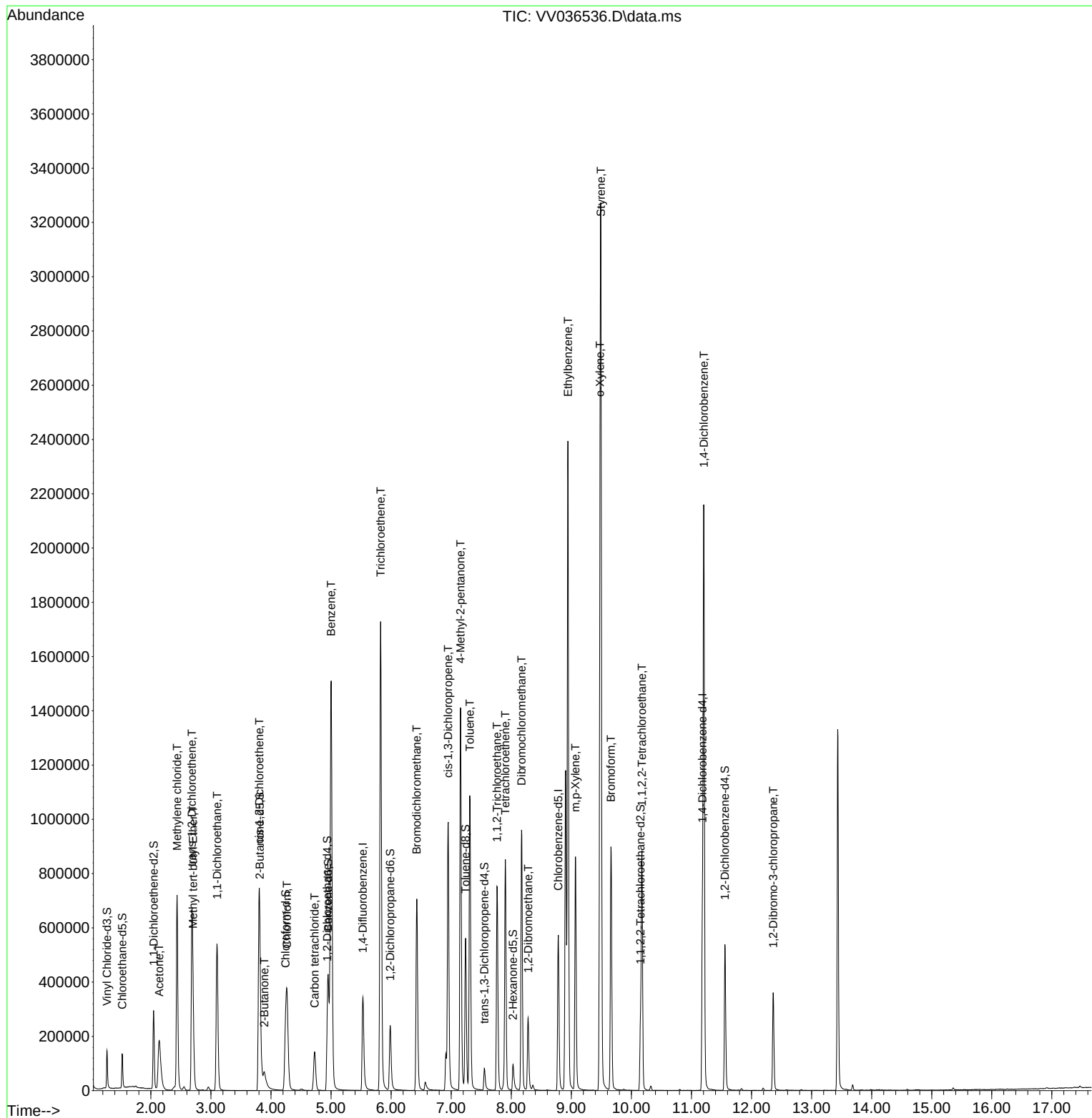
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071524\
Data File : VV036536.D
Acq On : 15 Jul 2024 18:30
Operator : SY/MD
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Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
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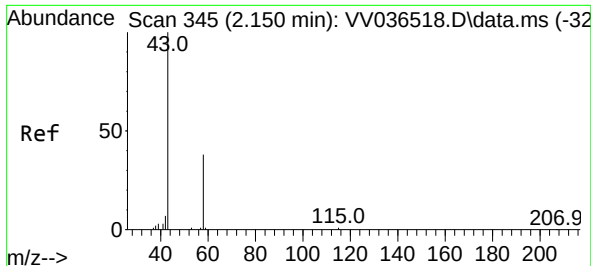
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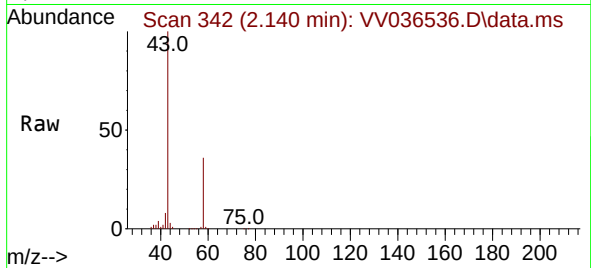
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 16 01:25:30 2024
Response via : Initial Calibration





#13
Acetone
Concen: 335.228 ug/L m
RT: 2.140 min Scan# 34
Delta R.T. -0.010 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

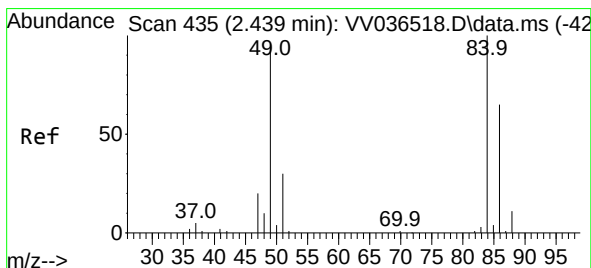
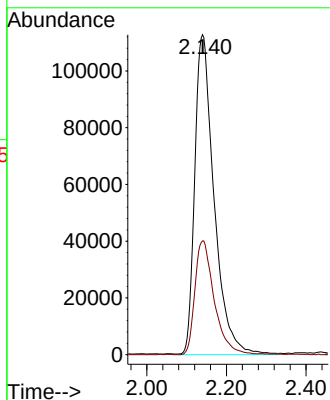
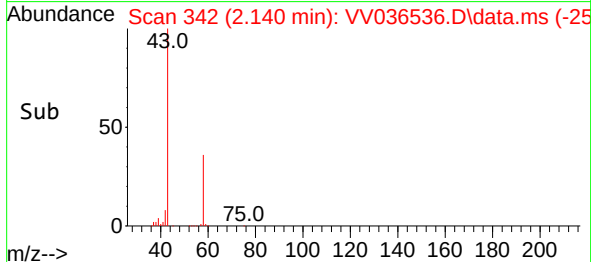
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



Tgt Ion: 43 Resp: 37986
Ion Ratio Lower Upper
43 100
58 0.0 0.0 28.4

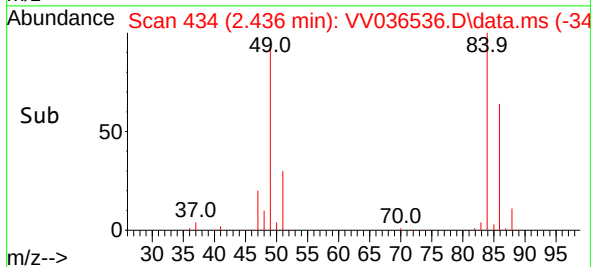
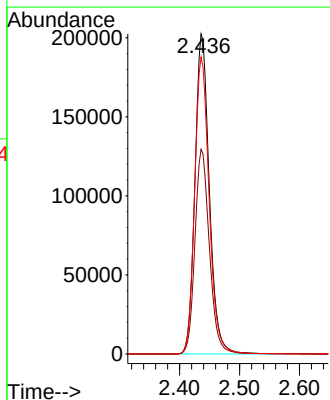
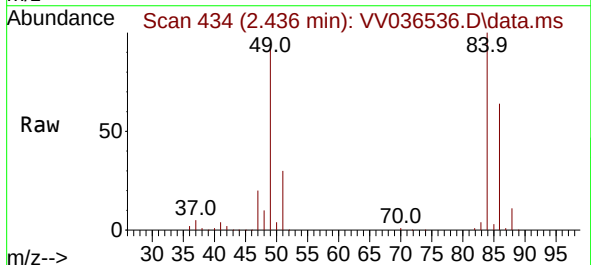
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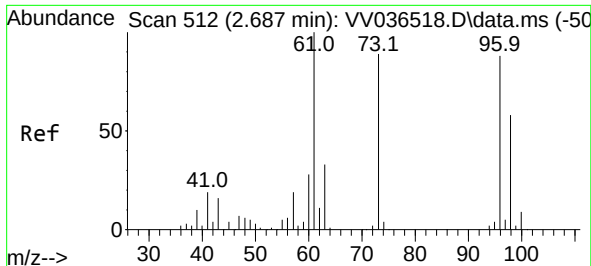
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024



#16
Methylene chloride
Concen: 50.215 ug/L
RT: 2.436 min Scan# 434
Delta R.T. -0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

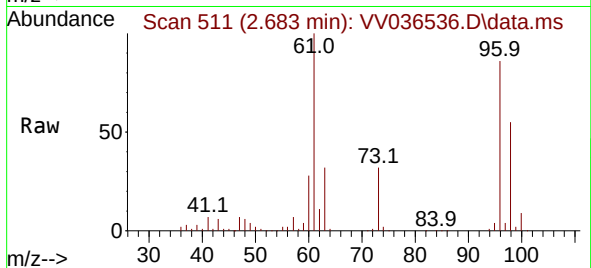
Tgt Ion: 84 Resp: 337447
Ion Ratio Lower Upper
84 100
86 64.0 46.3 86.1
49 92.8 68.1 126.5





#17
trans-1,2-Dichloroethene
Concen: 52.282 ug/L
RT: 2.683 min Scan# 511
Delta R.T. -0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

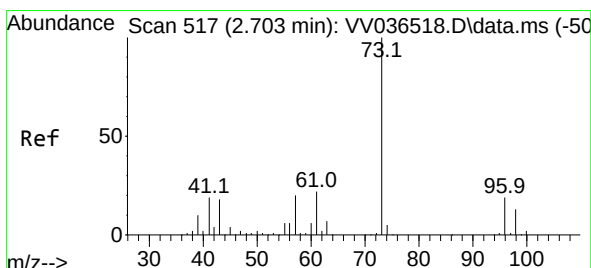
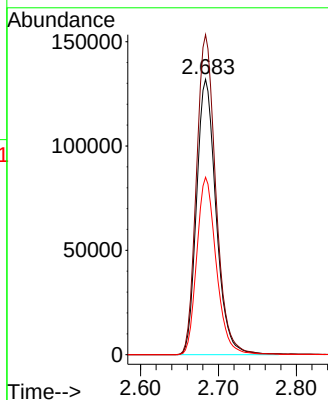
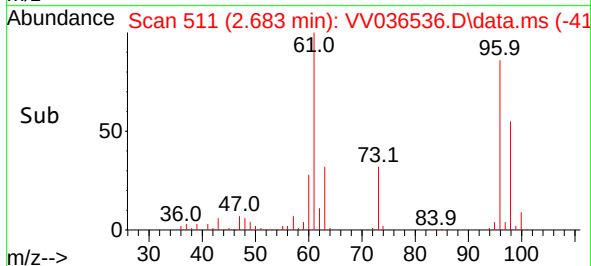
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



Tgt Ion: 96 Resp: 229414
Ion Ratio Lower Upper
96 100
61 116.2 80.7 149.9
98 64.4 44.6 82.8

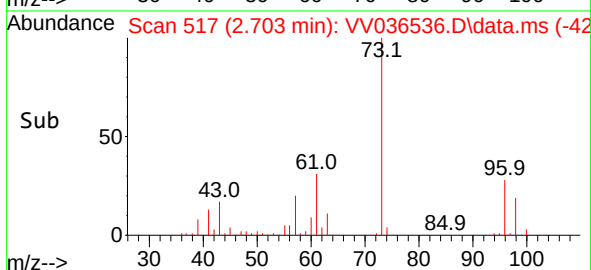
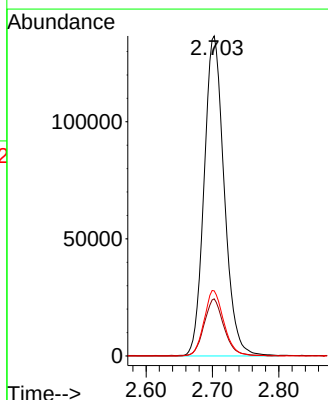
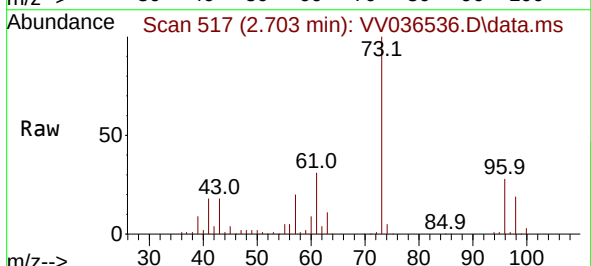
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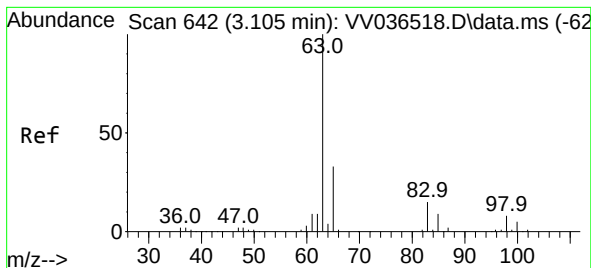
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024



#18
Methyl tert-butyl Ether
Concen: 29.232 ug/L
RT: 2.703 min Scan# 517
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

Tgt Ion: 73 Resp: 287436
Ion Ratio Lower Upper
73 100
43 17.3 14.3 21.5
57 20.1 16.5 24.7





#19

1,1-Dichloroethane

Concen: 66.127 ug/L

RT: 3.101 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8

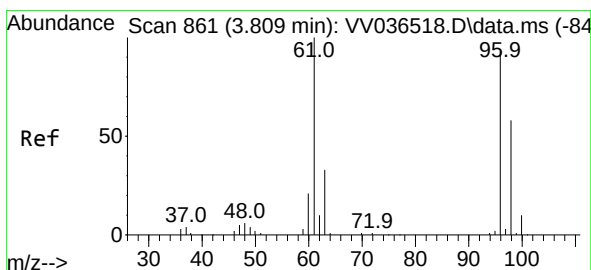
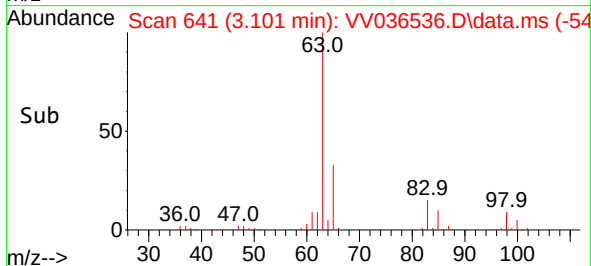
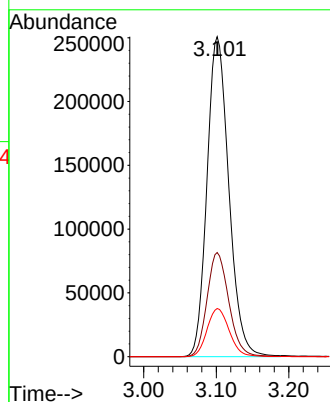
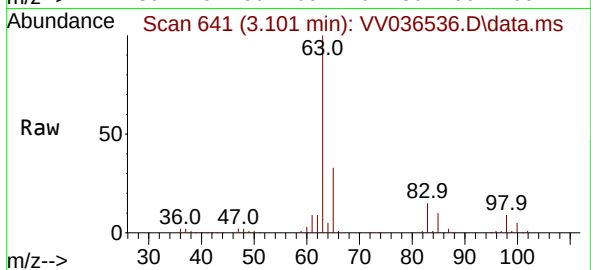
Tgt Ion: 63 Resp: 52522

Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.7	42.1
83	15.1	10.9	20.2

Manual Integrations

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Supervised By :Mahesh Dadoda 07/19/2024



#20

cis-1,2-Dichloroethene

Concen: 96.057 ug/L

RT: 3.805 min Scan# 860

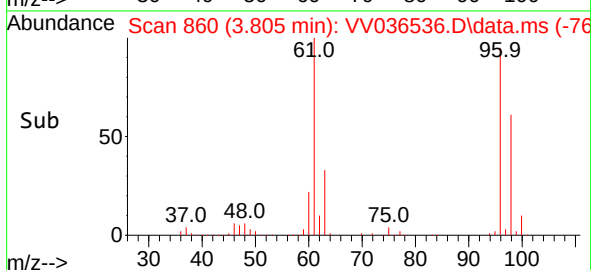
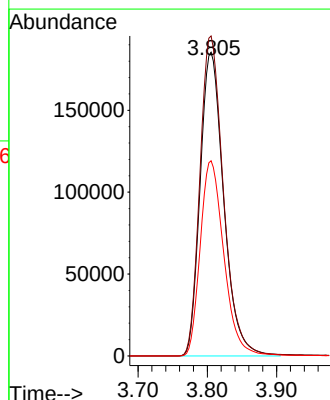
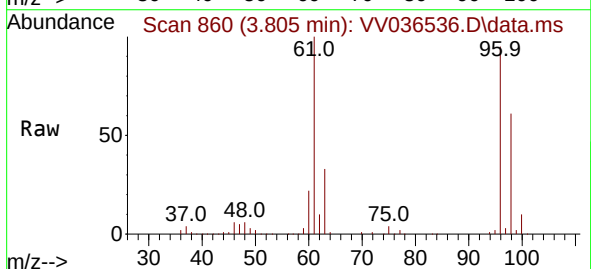
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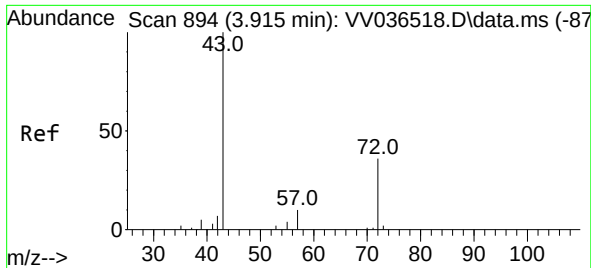
Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

Tgt Ion: 96 Resp: 438093

Ion	Ratio	Lower	Upper
96	100		
61	105.4	74.8	138.8
98	64.3	45.2	84.0





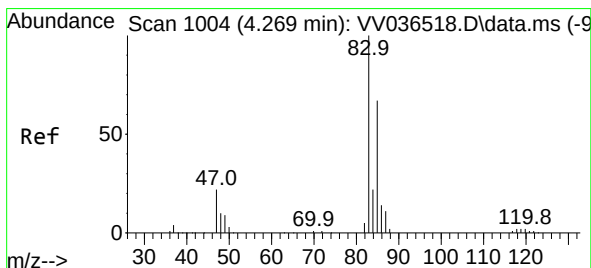
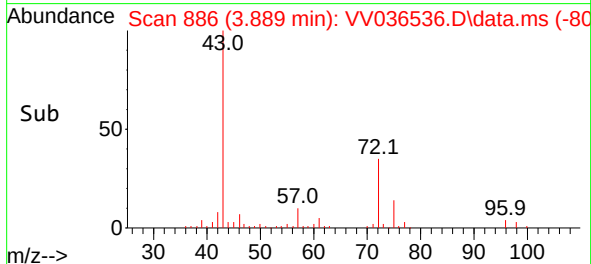
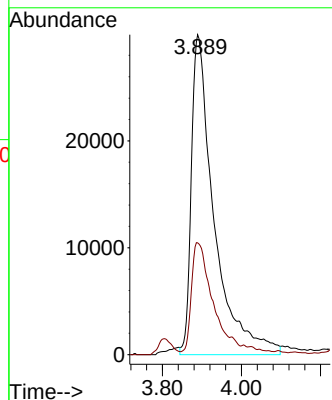
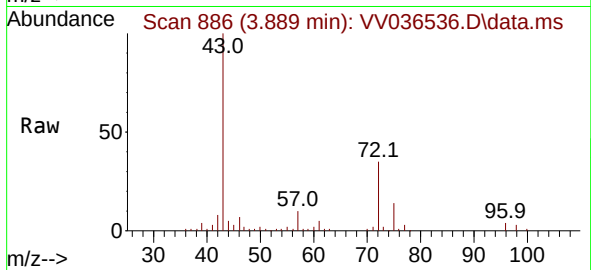
#22
2-Butanone
Concen: 125.302 ug/L m
RT: 3.889 min Scan# 886
Delta R.T. -0.026 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

Instrument :
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Tgt Ion: 43 Resp: 119204
Ion Ratio Lower Upper
43 100
72 29.5 5.9 17.6

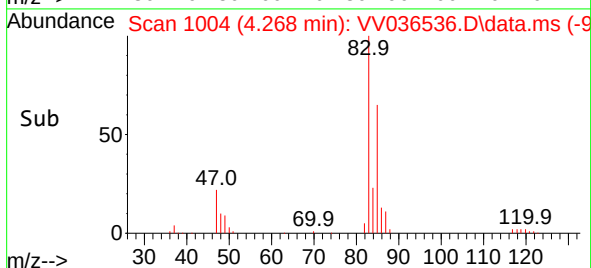
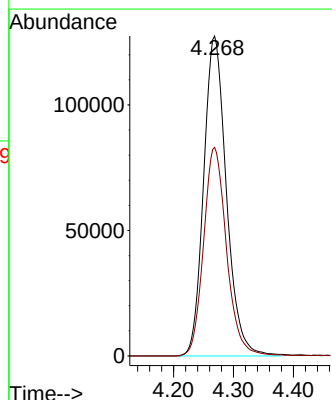
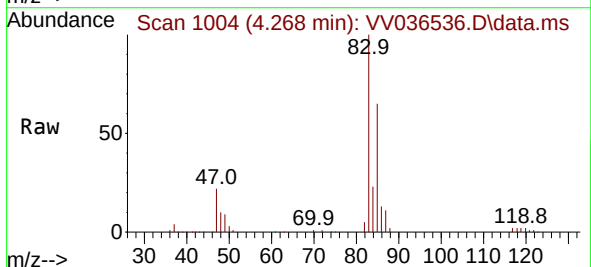
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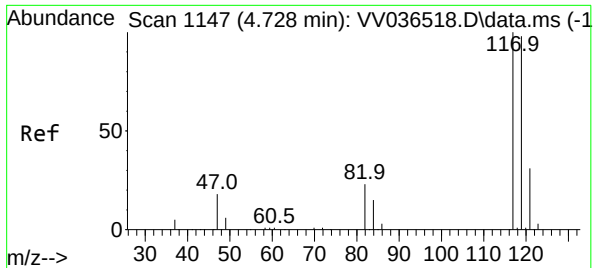
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024



#25
Chloroform
Concen: 35.689 ug/L
RT: 4.268 min Scan# 1004
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

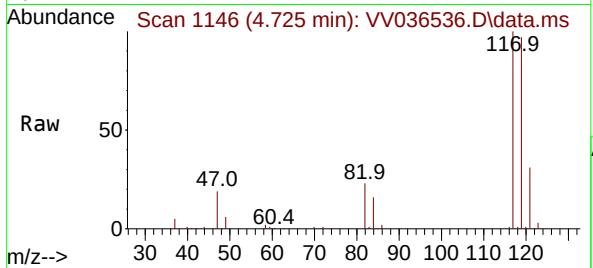
Tgt Ion: 83 Resp: 336580
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6





#31
Carbon tetrachloride
Concen: 15.967 ug/L
RT: 4.725 min Scan# 1146
Delta R.T. -0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

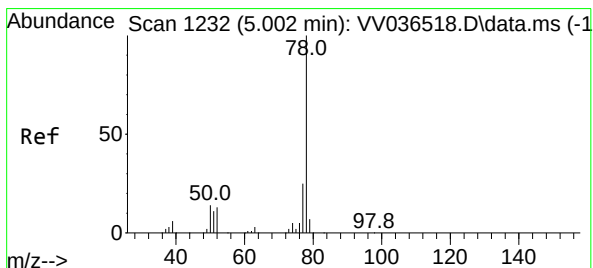
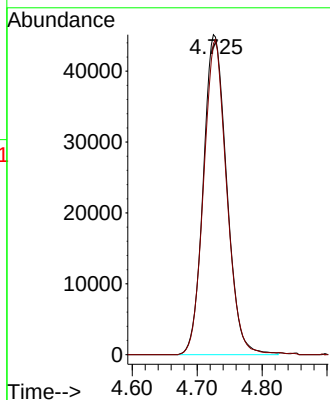
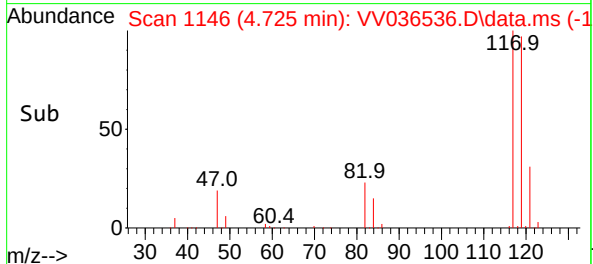
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Tgt Ion:117 Resp: 113108
Ion Ratio Lower Upper
117 100
119 96.5 77.6 116.4

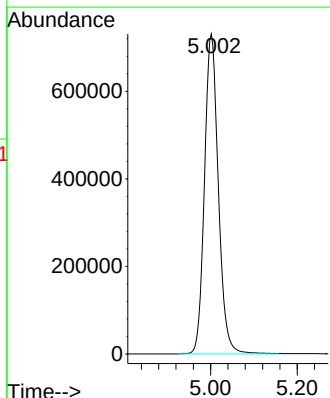
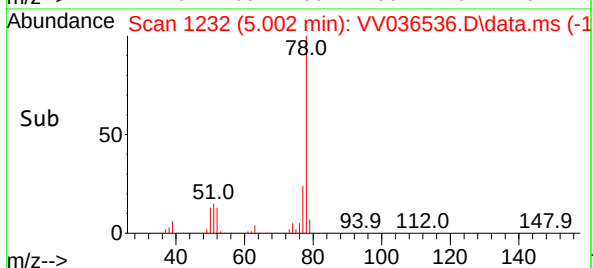
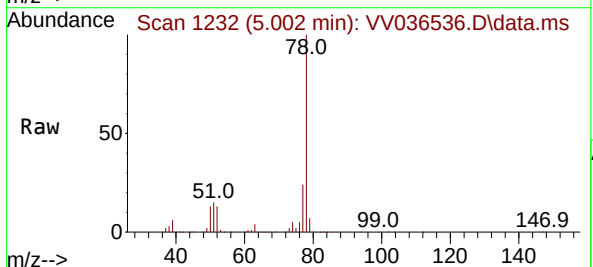
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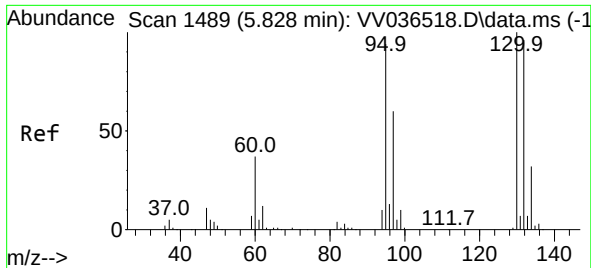
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024



#33
Benzene
Concen: 95.579 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

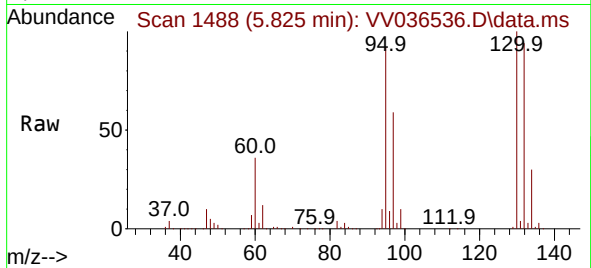
Tgt Ion: 78 Resp: 1625260





#34
Trichloroethene
Concen: 109.759 ug/L
RT: 5.825 min Scan# 1489
Delta R.T. -0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

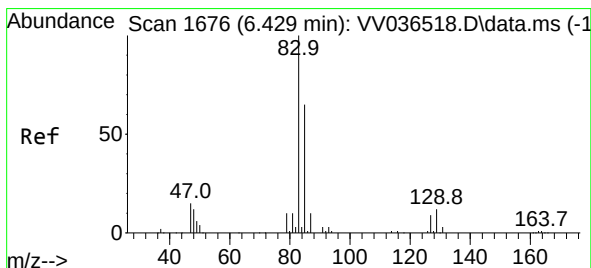
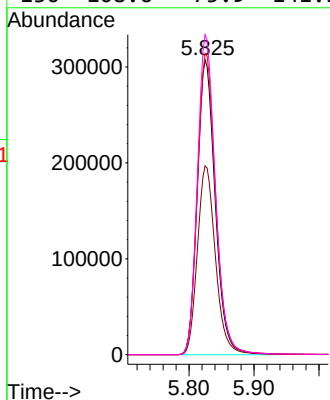
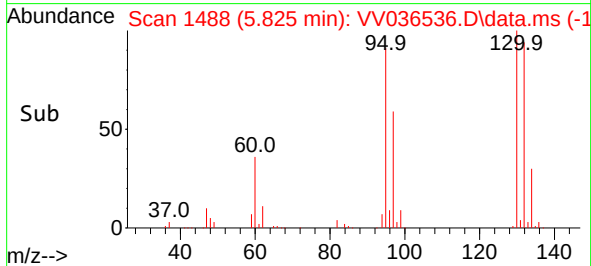
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



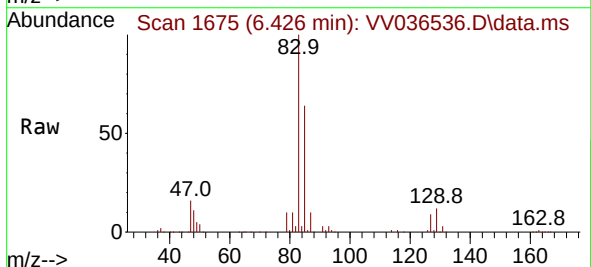
Tgt Ion: 95 Resp: 593912
Ion Ratio Lower Upper
95 100
97 64.1 44.4 82.4
132 102.2 73.0 135.6
130 108.6 75.9 141.1

Manual Integrations
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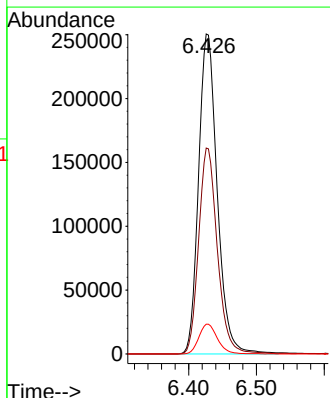
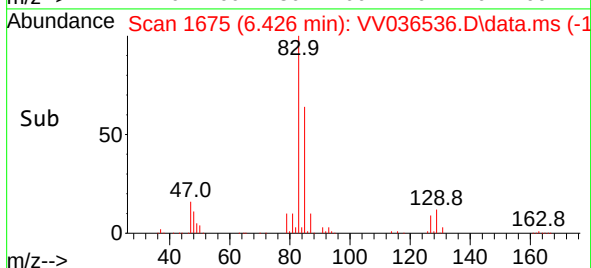
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024

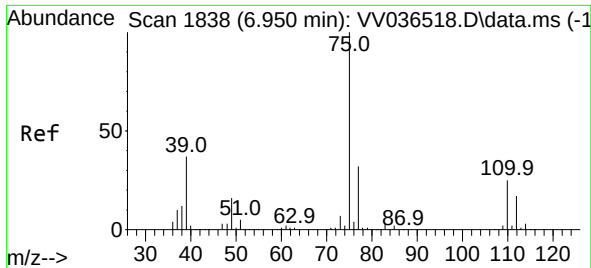


#38
Bromodichloromethane
Concen: 70.514 ug/L
RT: 6.426 min Scan# 1675
Delta R.T. -0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30



Tgt Ion: 83 Resp: 479478
Ion Ratio Lower Upper
83 100
85 64.3 44.3 82.3
127 9.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 89.260 ug/L

RT: 6.950 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8

Tgt Ion: 75 Resp: 590680

Ion Ratio Lower Upper

75 100

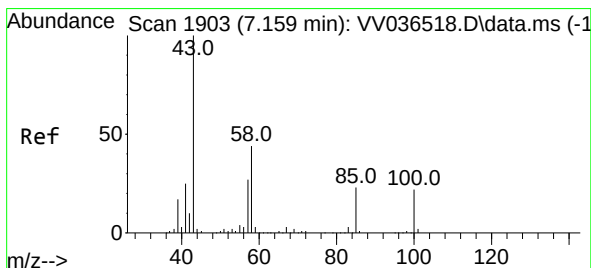
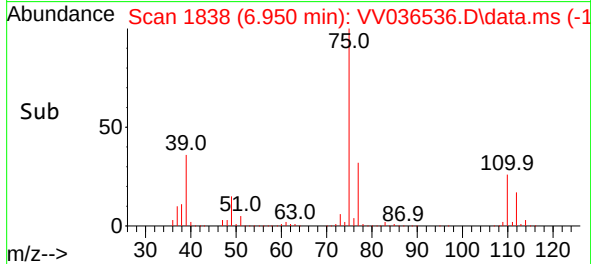
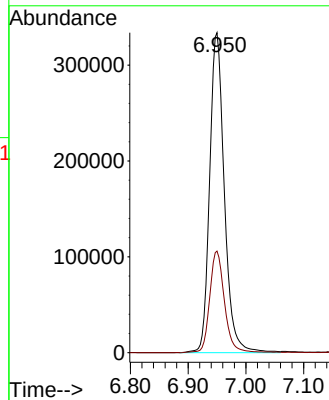
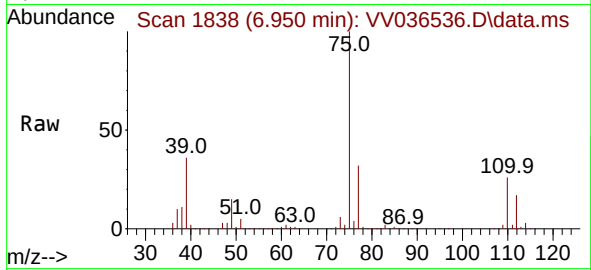
77 31.7 22.2 41.2

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Reviewed By :Romaben Patel 07/16/2024

Supervised By :Mahesh Dadoda 07/19/2024



#40

4-Methyl-2-pentanone

Concen: 402.330 ug/L

RT: 7.156 min Scan# 1902

Delta R.T. -0.003 min

Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

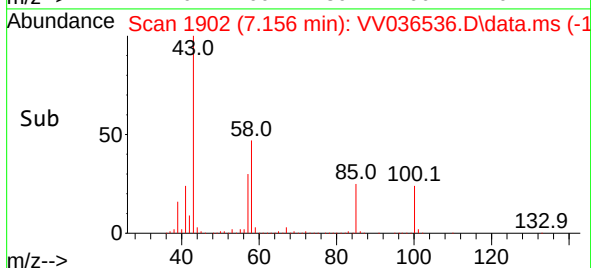
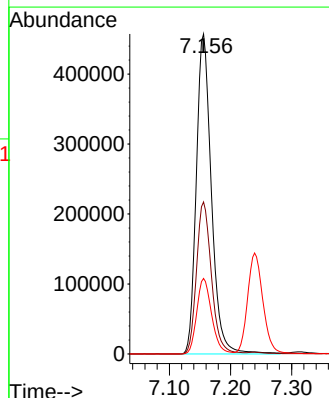
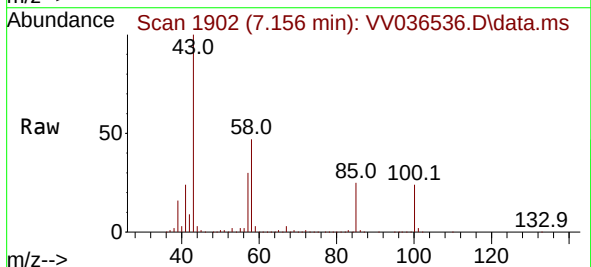
Tgt Ion: 43 Resp: 784615

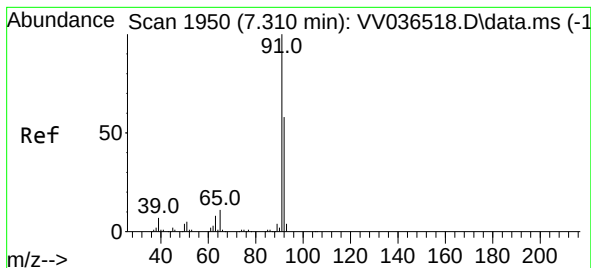
Ion Ratio Lower Upper

43 100

58 47.0 32.9 49.3

100 23.2 15.5 23.3





#42

Toluene

Concen: 46.102 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8

Tgt Ion: 91 Resp: 830672

Ion Ratio Lower Upper

91 100

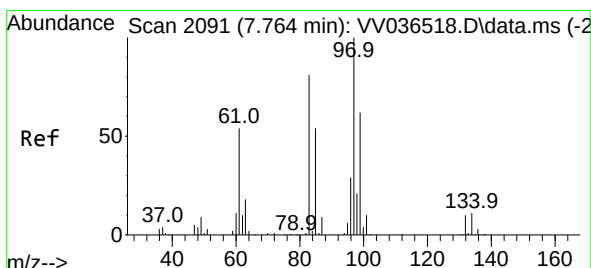
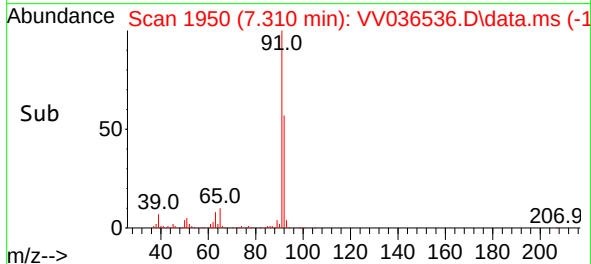
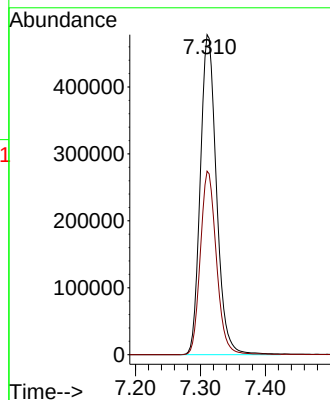
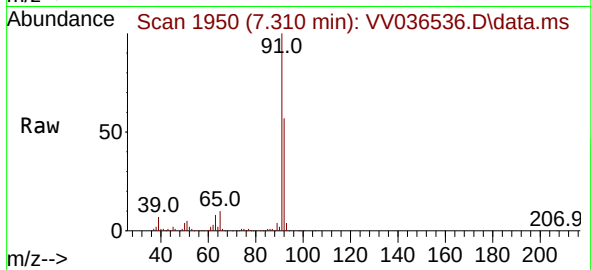
92 57.4 40.1 74.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/16/2024

Supervised By :Mahesh Dadoda 07/19/2024



#45

1,1,2-Trichloroethane

Concen: 56.370 ug/L

RT: 7.763 min Scan# 2091

Delta R.T. -0.000 min

Lab File: VV036536.D

Acq: 15 Jul 2024 18:30

Tgt Ion: 97 Resp: 238376

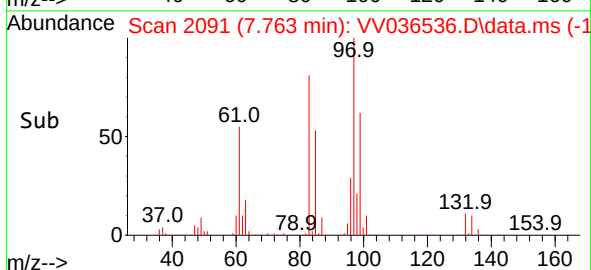
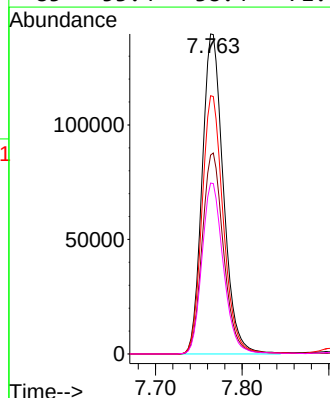
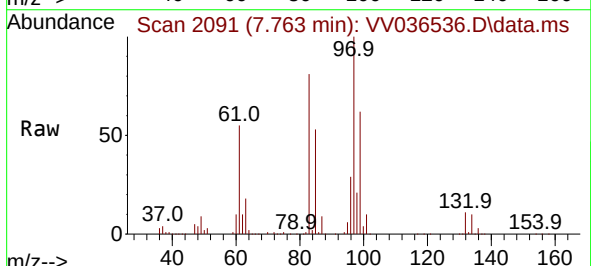
Ion Ratio Lower Upper

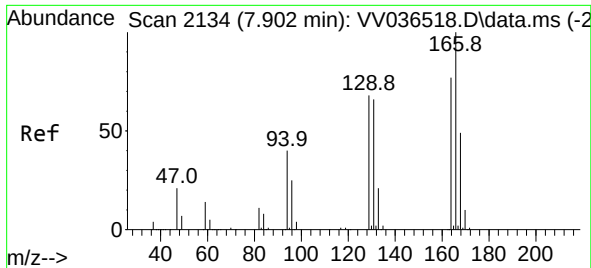
97 100

99 62.2 42.6 79.2

83 80.7 58.0 107.6

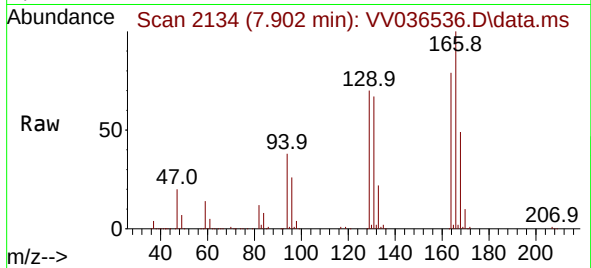
85 53.4 38.4 71.4





#46
Tetrachloroethene
Concen: 45.426 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

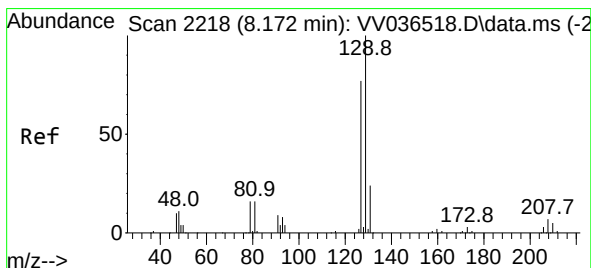
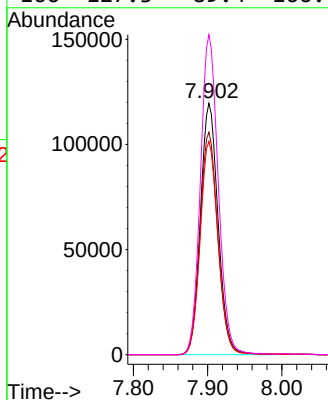
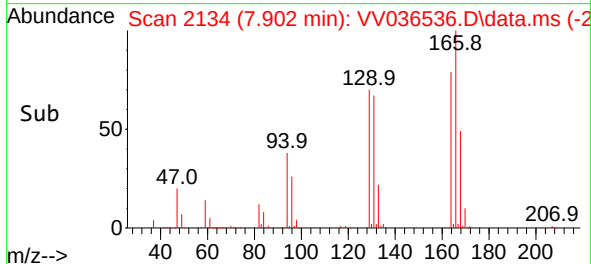
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



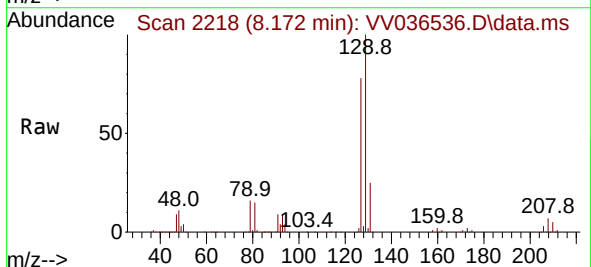
Tgt Ion:164 Resp: 198740
Ion Ratio Lower Upper
164 100
129 88.5 61.0 113.4
131 84.9 59.8 111.1
166 127.3 89.4 166.0

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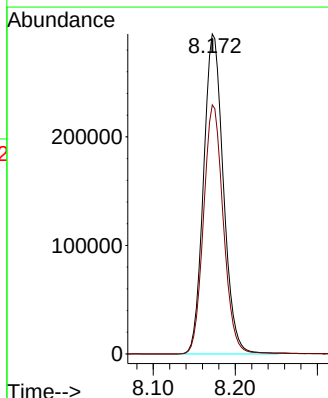
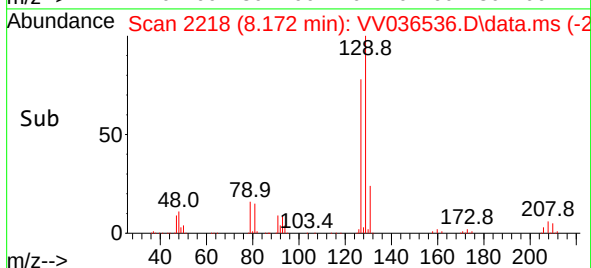
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024

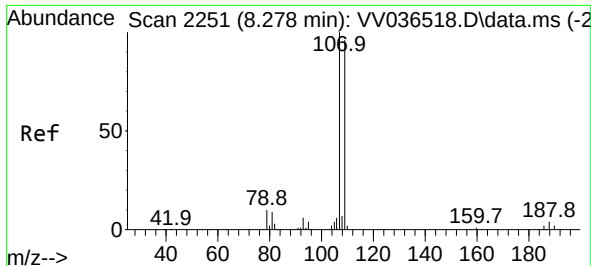


#49
Dibromochloromethane
Concen: 97.107 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30



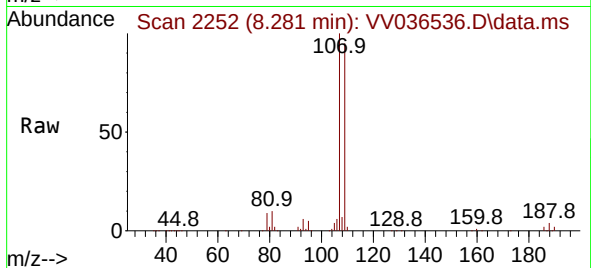
Tgt Ion:129 Resp: 496562
Ion Ratio Lower Upper
129 100
127 77.8 53.7 99.7





#50
 1,2-Dibromoethane
 Concen: 44.857 ug/L
 RT: 8.281 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV036536.D
 Acq: 15 Jul 2024 18:30

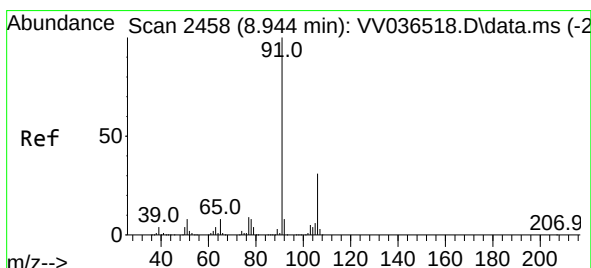
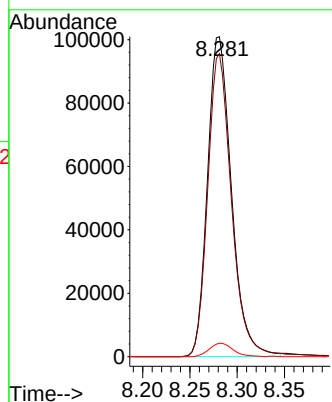
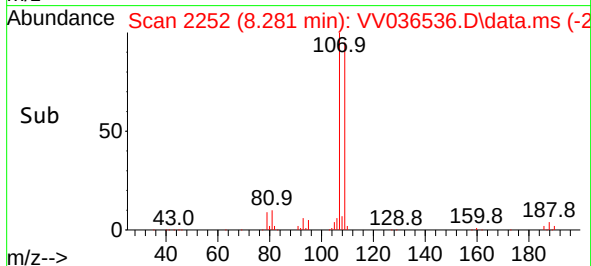
Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8



Tgt Ion:107 Resp: 178025
 Ion Ratio Lower Upper
 107 100
 109 94.7 66.2 123.0
 188 4.2 3.4 5.0

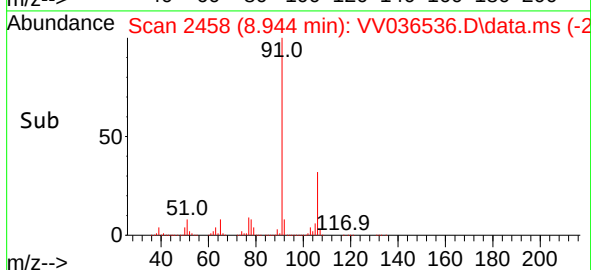
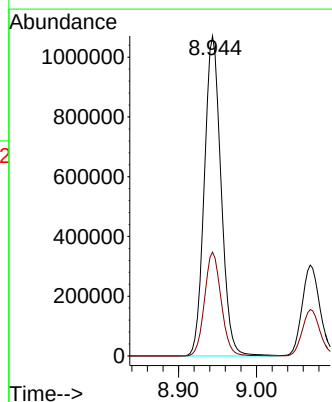
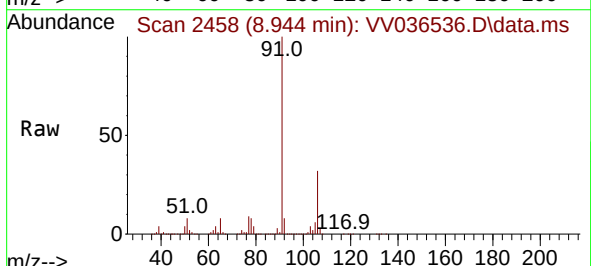
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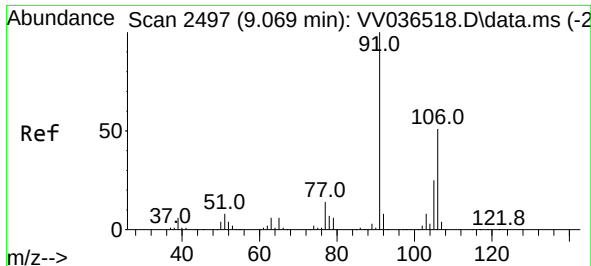
Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024



#52
 Ethylbenzene
 Concen: 82.700 ug/L
 RT: 8.944 min Scan# 2458
 Delta R.T. -0.000 min
 Lab File: VV036536.D
 Acq: 15 Jul 2024 18:30

Tgt Ion: 91 Resp: 1598421
 Ion Ratio Lower Upper
 91 100
 106 32.5 22.6 42.0





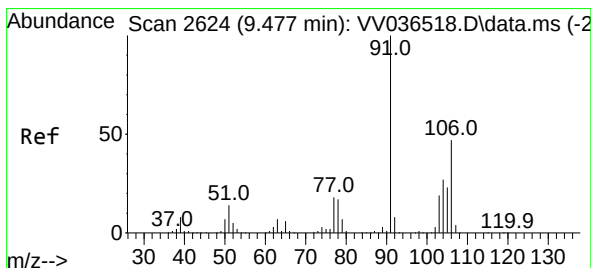
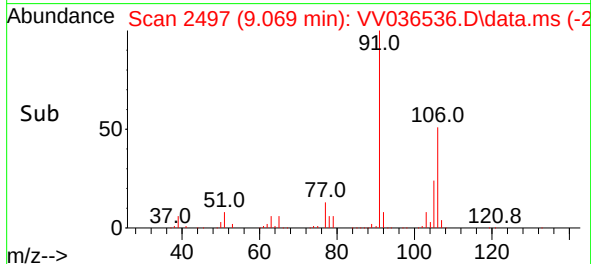
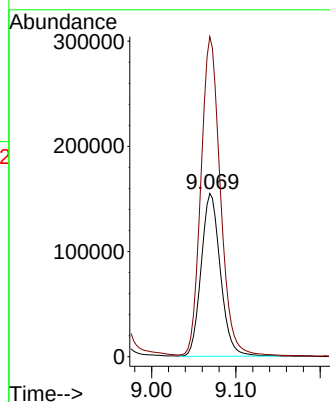
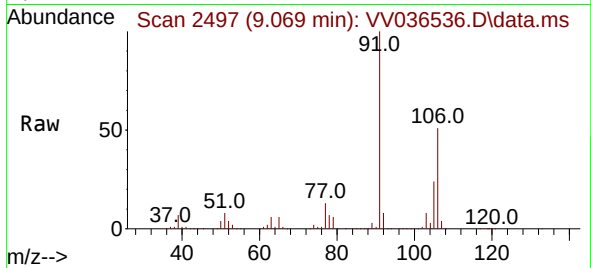
#53
m,p-Xylene
Concen: 33.071 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8

Tgt Ion:106 Resp: 246094
Ion Ratio Lower Upper
106 100
91 196.0 137.1 254.7

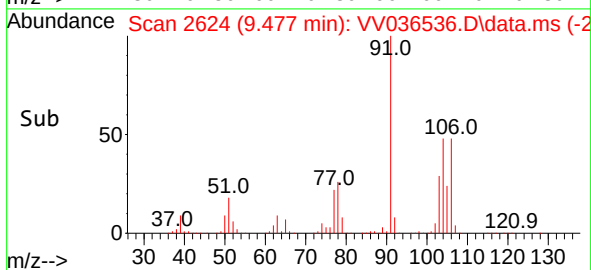
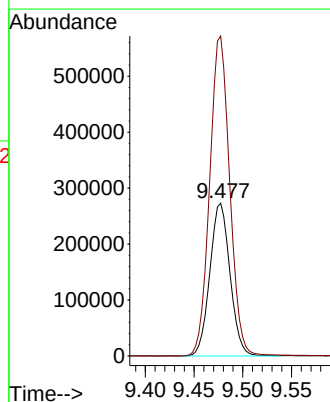
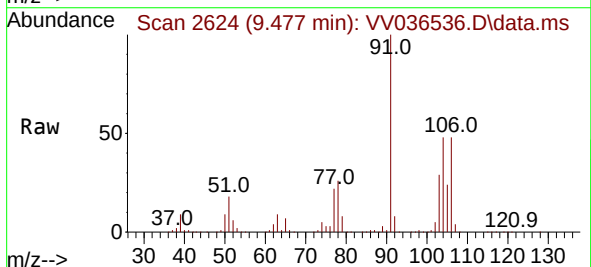
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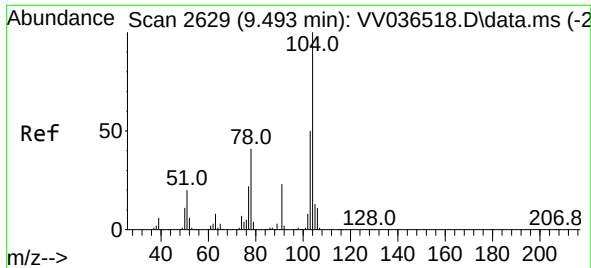
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024



#54
o-Xylene
Concen: 55.473 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

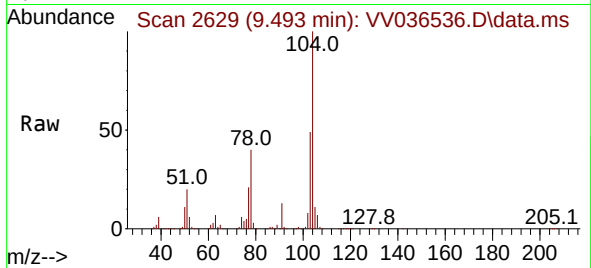
Tgt Ion:106 Resp: 393017
Ion Ratio Lower Upper
106 100
91 209.4 147.3 273.6





#55
Styrene
Concen: 110.778 ug/L
RT: 9.493 min Scan# 2629
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

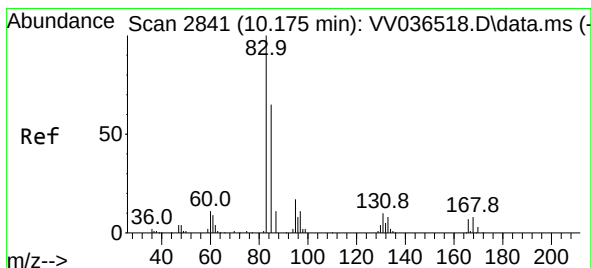
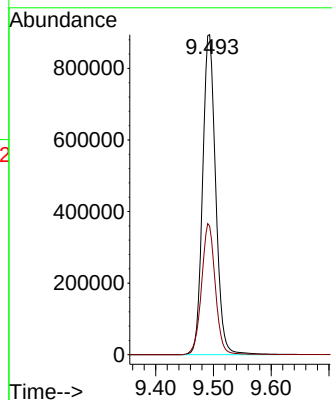
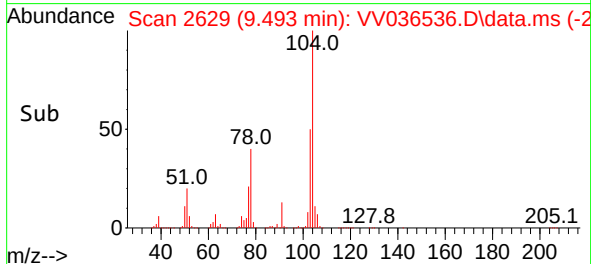
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



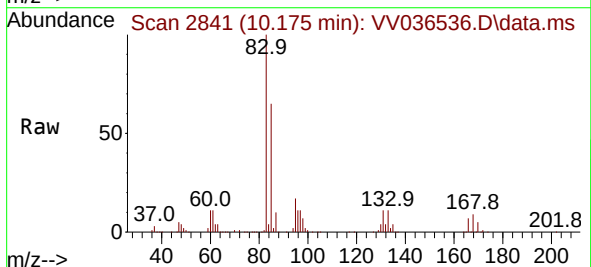
Tgt Ion:104 Resp: 1404210
Ion Ratio Lower Upper
104 100
78 40.2 28.8 53.6

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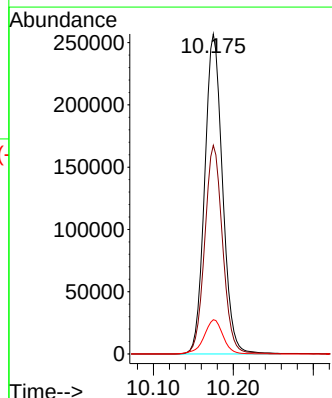
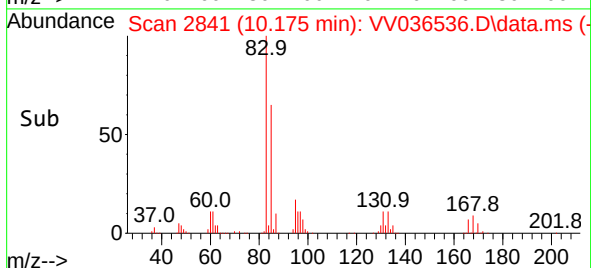
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024

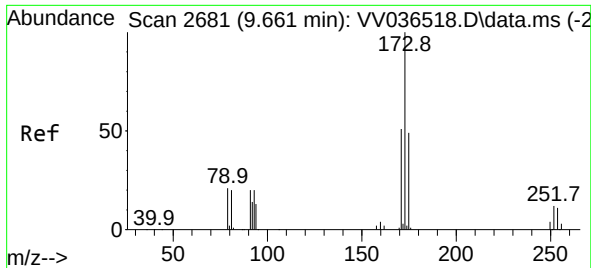


#57
1,1,2,2-Tetrachloroethane
Concen: 103.305 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30



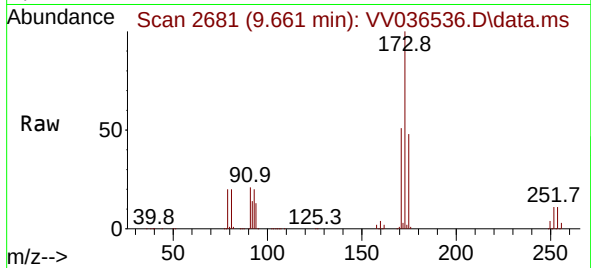
Tgt Ion: 83 Resp: 398908
Ion Ratio Lower Upper
83 100
85 65.2 45.0 83.6
131 10.7 8.1 12.1





#59
Bromoform
Concen: 136.825 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. -0.000 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30

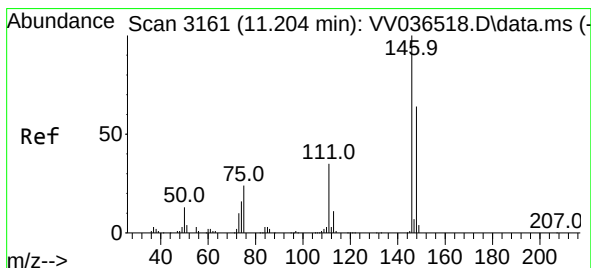
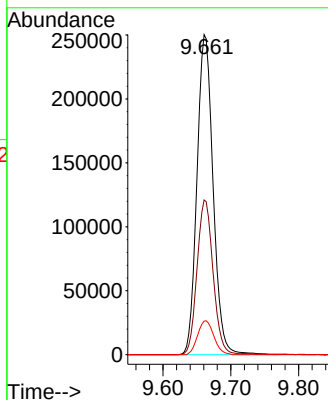
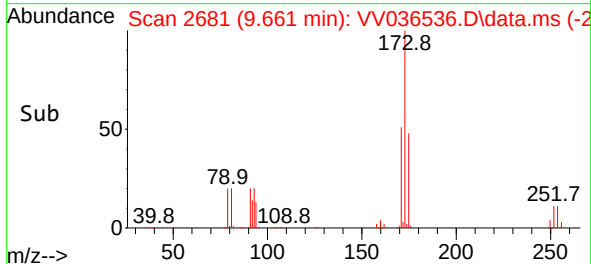
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8



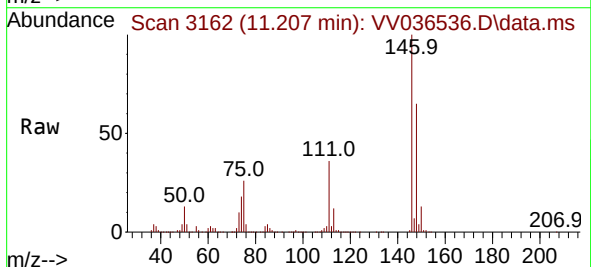
Tgt Ion:173 Resp: 41396
Ion Ratio Lower Upper
173 100
175 47.8 37.6 56.4
254 10.6 8.2 12.4

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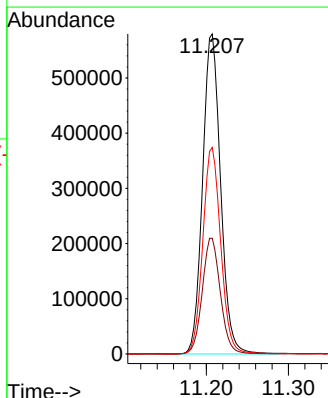
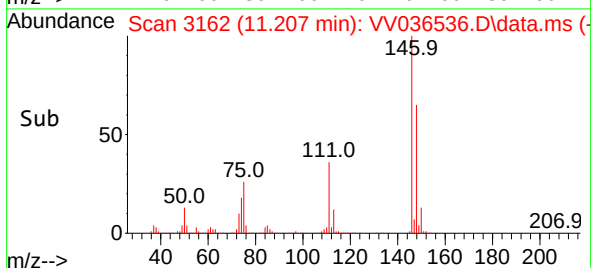
Reviewed By :Romaben Patel 07/16/2024
Supervised By :Mahesh Dadoda 07/19/2024

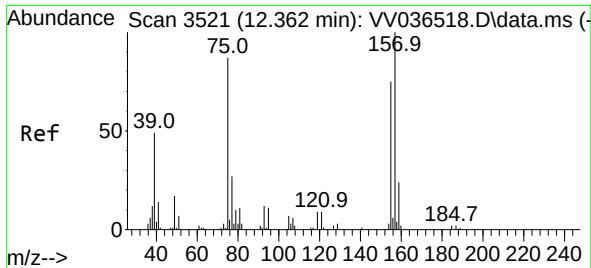


#65
1,4-Dichlorobenzene
Concen: 81.647 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036536.D
Acq: 15 Jul 2024 18:30



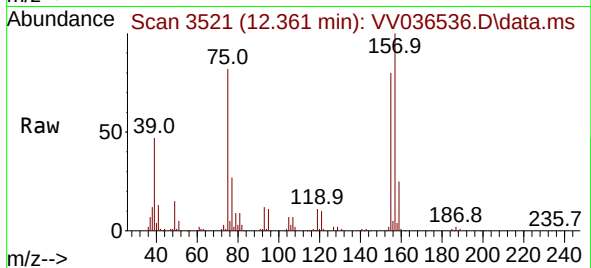
Tgt Ion:146 Resp: 883887
Ion Ratio Lower Upper
146 100
111 36.2 25.2 46.8
148 64.5 45.2 84.0





#68
 1,2-Dibromo-3-chloropropane
 Concen: 129.281 ug/L
 RT: 12.361 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV036536.D
 Acq: 15 Jul 2024 18:30

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8



Tgt Ion: 75 Resp: 84950
 Ion Ratio Lower Upper
 75 100
 155 97.3 74.6 111.8
 157 122.1 95.0 142.4

Manual Integrations
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Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024

