

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071624\
 Data File : VW036564.D
 Acq On : 16 Jul 2024 13:39
 Operator : SY/MD
 Sample : P3238-22DL 4X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 17 02:27:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	305862	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	322427	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	157404	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	95011	21.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.720%
7) Chloroethane-d5	1.526	69	87252	22.774	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.080%
11) 1,1-Dichloroethene-d2	2.050	65	45591	20.261	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.040%
21) 2-Butanone-d5	3.815	46	42995	57.326	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.660%
24) Chloroform-d	4.243	84	200901	22.566	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.280%
26) 1,2-Dichloroethane-d4	4.937	65	105231	23.831	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.320%
32) Benzene-d6	4.953	84	368664	22.919	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.680%
36) 1,2-Dichloropropane-d6	5.985	67	112474	23.462	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.840%
41) Toluene-d8	7.239	98	374769	25.251	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.000%
43) trans-1,3-Dichloroprop...	7.555	79	47173	23.668	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.680%
47) 2-Hexanone-d5	8.030	63	27662	51.954	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.900%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	96593	23.924	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.680%
66) 1,2-Dichlorobenzene-d4	11.558	152	141456	26.481	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.920%
Target Compounds						
					Qvalue	
13) Acetone	2.134	43	103039m	97.174	ug/L	
16) Methylene chloride	2.439	84	137399	21.850	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	50572	12.316	ug/L	99
18) Methyl tert-butyl Ether	2.706	73	52473	5.703	ug/L	100
19) 1,1-Dichloroethane	3.105	63	117137	15.760	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	88048	20.631	ug/L	98
22) 2-Butanone	3.912	43	23515m	26.415	ug/L	
25) Chloroform	4.272	83	80864	9.163	ug/L	100
31) Carbon tetrachloride	4.732	117	26582	3.999	ug/L	100
33) Benzene	5.005	78	354917	22.243	ug/L	100
34) Trichloroethene	5.828	95	129744	25.553	ug/L	99
38) Bromodichloromethane	6.432	83	104225	16.335	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	120925	19.474	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	135034	73.791	ug/L	94
42) Toluene	7.313	91	174904	10.345	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	51190	12.901	ug/L	97
46) Tetrachloroethene	7.902	164	46070	11.222	ug/L	99
49) Dibromochloromethane	8.175	129	104717	21.824	ug/L	98
50) 1,2-Dibromoethane	8.284	107	36864	9.899	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071624\
 Data File : VV036564.D
 Acq On : 16 Jul 2024 13:39
 Operator : SY/MD
 Sample : P3238-22DL 4X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 17 02:27:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

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

52) Ethylbenzene	8.947	91	299421	16.510	ug/L	99
53) m,p-Xylene	9.072	106	45514	6.518	ug/L	99
54) o-Xylene	9.477	106	69262	10.418	ug/L	100
55) Styrene	9.497	104	255747	21.501	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	80801	22.300	ug/L	99
59) Bromoform	9.664	173	82478	29.565	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	181560	18.189	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	16767	27.672	ug/L	96

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

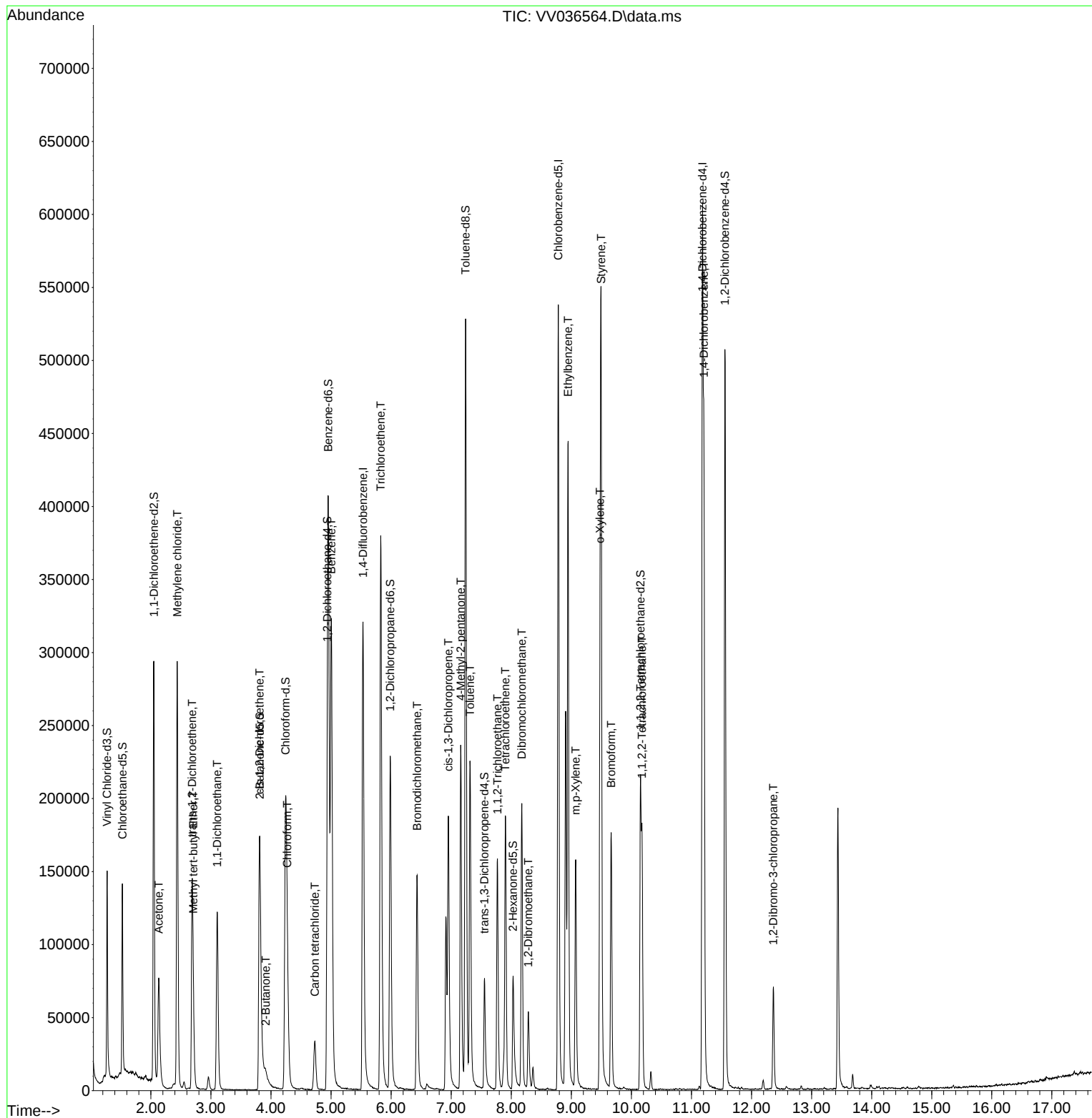
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071624\
 Data File : VV036564.D
 Acq On : 16 Jul 2024 13:39
 Operator : SY/MD
 Sample : P3238-22DL 4X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

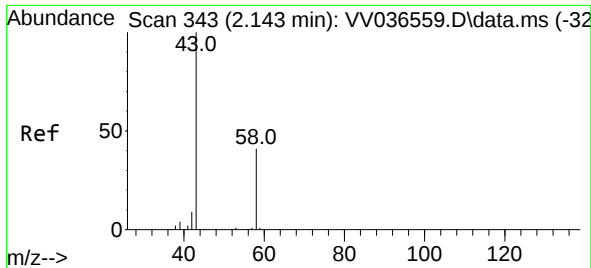
Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL

Quant Time: Jul 17 02:27:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 17 02:15:19 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024





#13

Acetone

Concen: 97.174 ug/L m

RT: 2.134 min Scan# 34

Delta R.T. -0.010 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8DL

Tgt Ion: 43 Resp: 103039

Ion Ratio Lower Upper

43 100

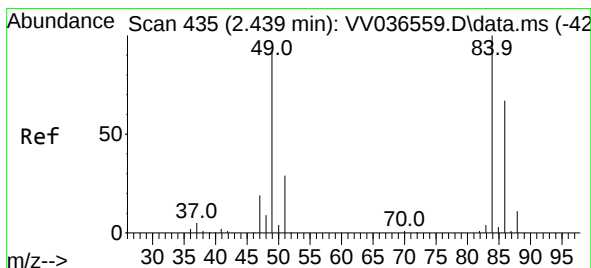
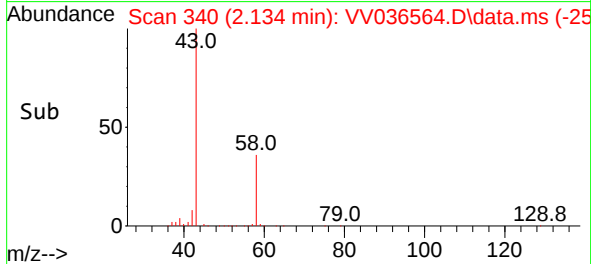
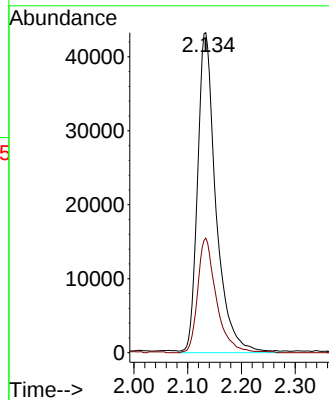
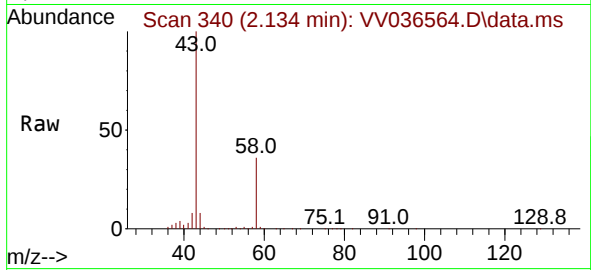
58 0.1 0.0 28.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/17/2024

Supervised By :Mahesh Dadoda 07/19/2024



#16

Methylene chloride

Concen: 21.850 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.000 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

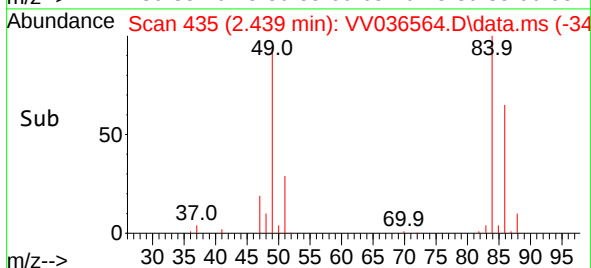
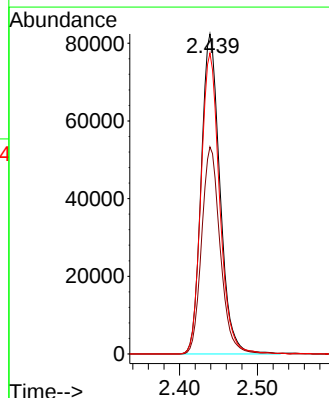
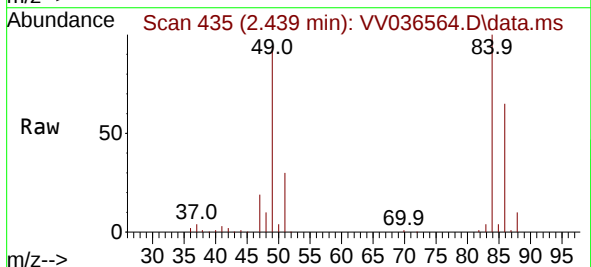
Tgt Ion: 84 Resp: 137399

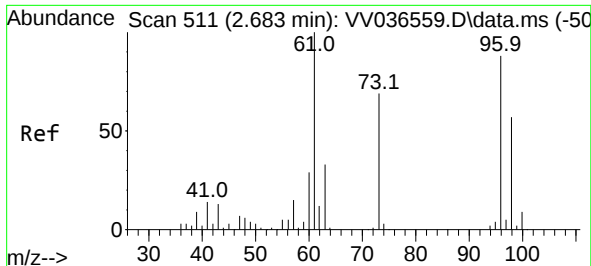
Ion Ratio Lower Upper

84 100

86 64.7 46.3 86.1

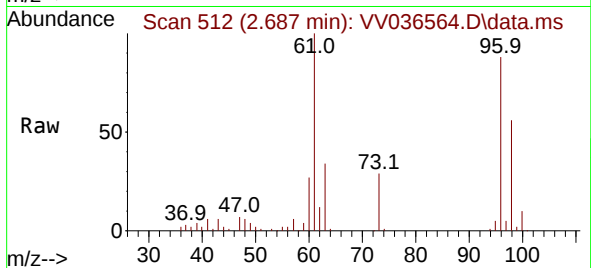
49 94.0 68.1 126.5





#17
trans-1,2-Dichloroethene
Concen: 12.316 ug/L
RT: 2.687 min Scan# 511
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

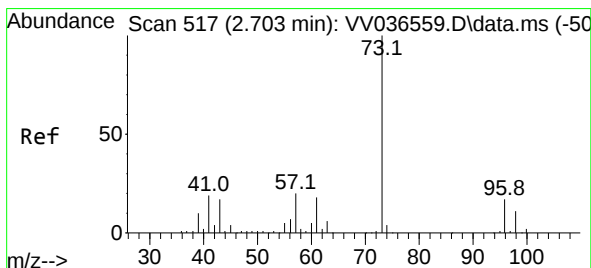
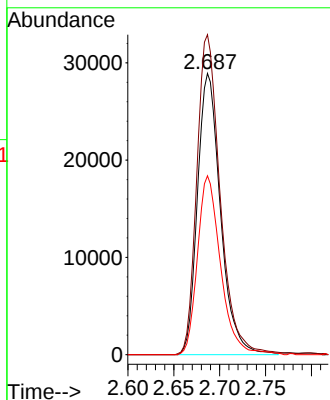
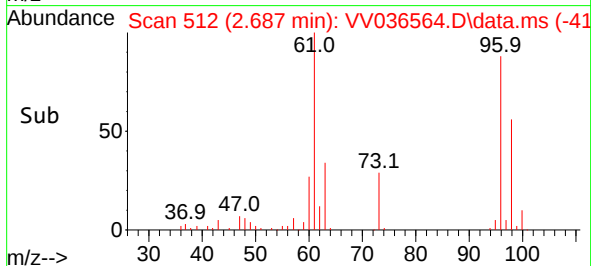
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion: 96 Resp: 50572
Ion Ratio Lower Upper
96 100
61 113.8 80.7 149.9
98 63.6 44.6 82.8

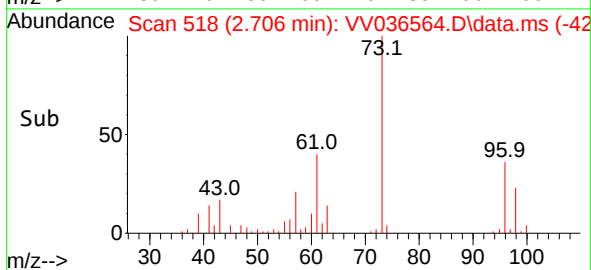
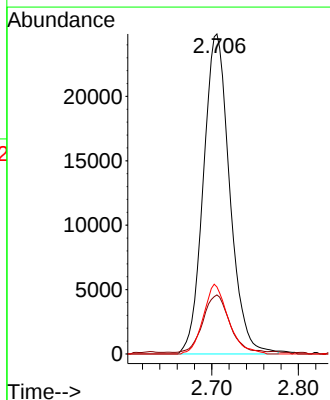
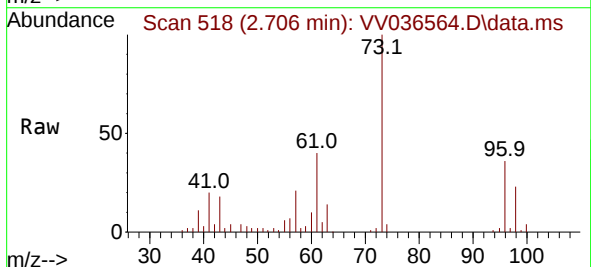
Manual Integrations
APPROVED

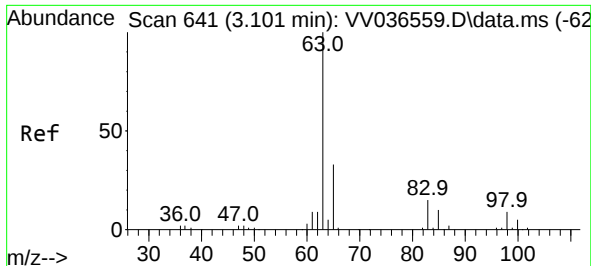
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#18
Methyl tert-butyl Ether
Concen: 5.703 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Tgt Ion: 73 Resp: 52473
Ion Ratio Lower Upper
73 100
43 17.8 14.3 21.5
57 20.6 16.5 24.7





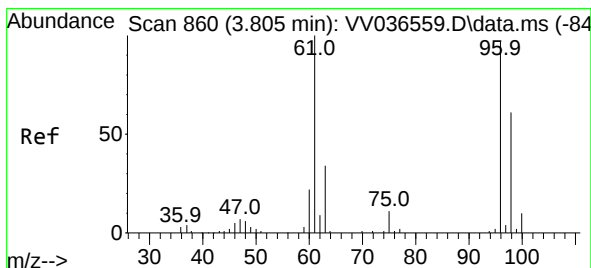
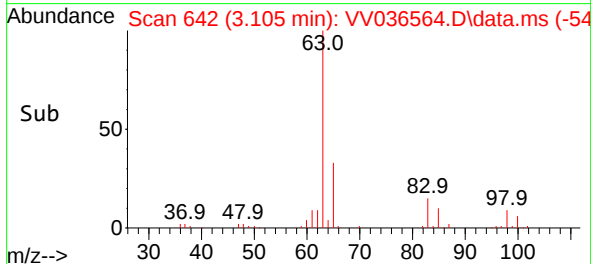
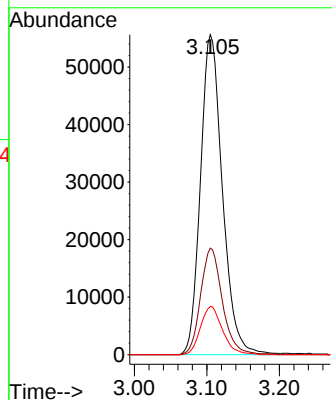
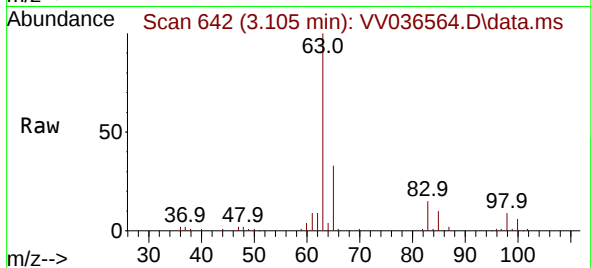
#19
1,1-Dichloroethane
Concen: 15.760 ug/L
RT: 3.105 min Scan# 641
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion: 63 Resp: 11713
Ion Ratio Lower Upper
63 100
65 33.3 22.7 42.1
83 15.0 10.9 20.2

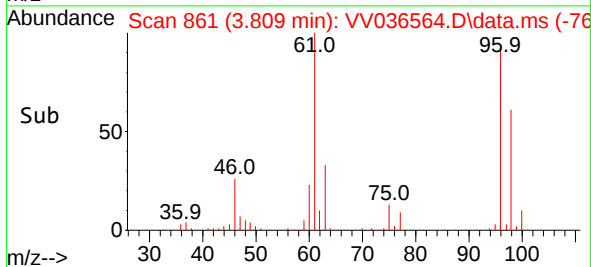
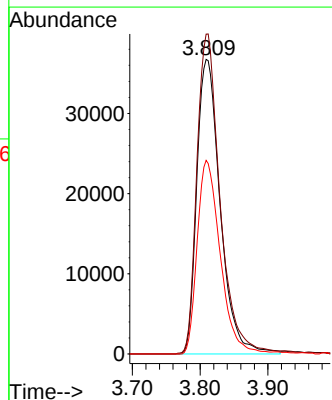
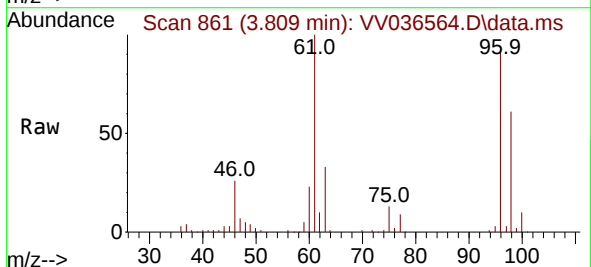
Manual Integrations
APPROVED

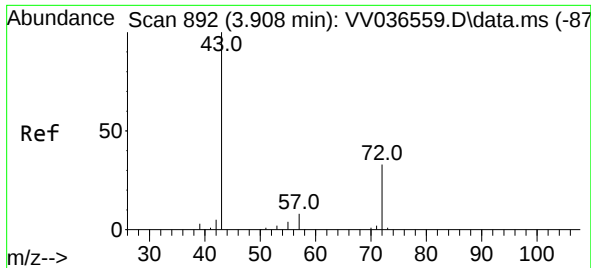
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#20
cis-1,2-Dichloroethene
Concen: 20.631 ug/L
RT: 3.809 min Scan# 861
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Tgt Ion: 96 Resp: 88048
Ion Ratio Lower Upper
96 100
61 108.6 74.8 138.8
98 65.8 45.2 84.0





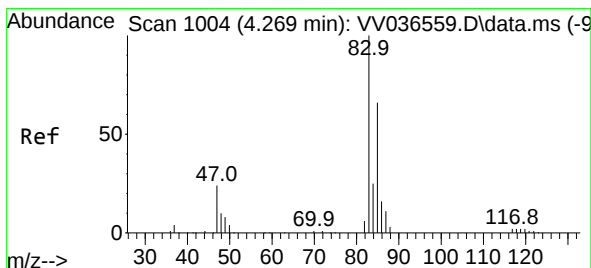
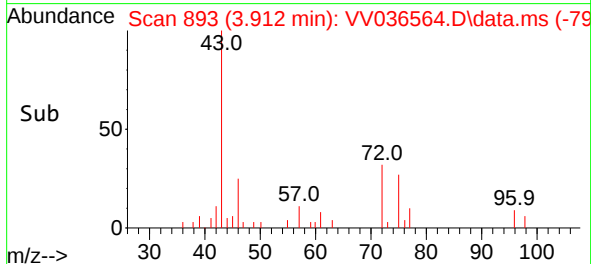
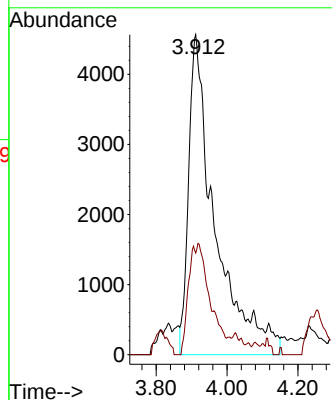
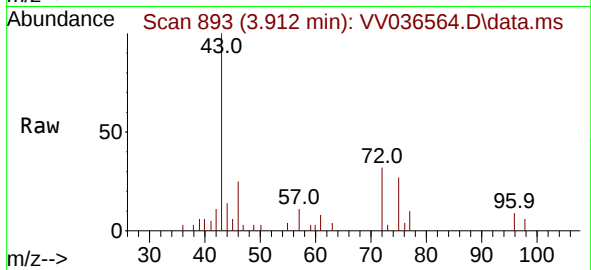
#22
2-Butanone
Concen: 26.415 ug/L m
RT: 3.912 min Scan# 89
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion: 43 Resp: 2351
Ion Ratio Lower Upper
43 100
72 10.1 5.9 17.6

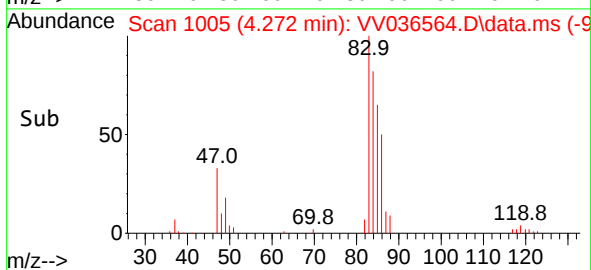
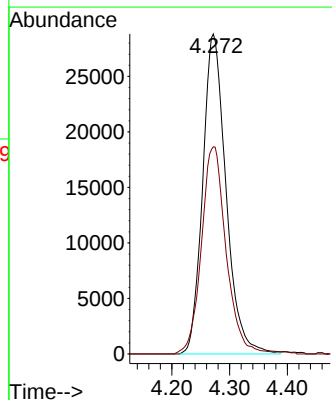
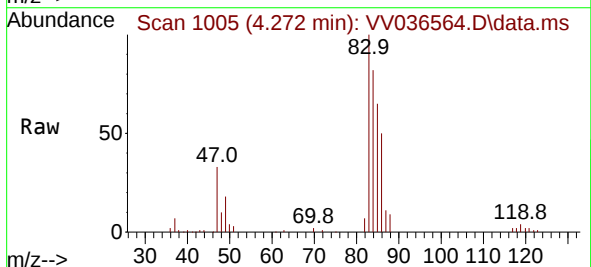
Manual Integrations
APPROVED

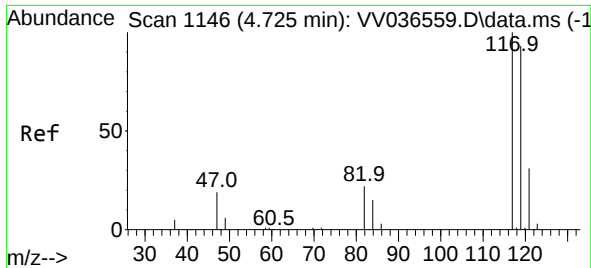
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#25
Chloroform
Concen: 9.163 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

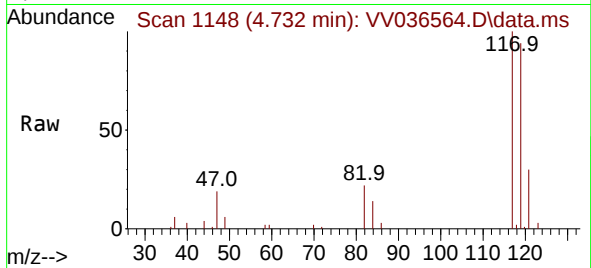
Tgt Ion: 83 Resp: 80864
Ion Ratio Lower Upper
83 100
85 64.8 45.6 84.6





#31
Carbon tetrachloride
Concen: 3.999 ug/L
RT: 4.732 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

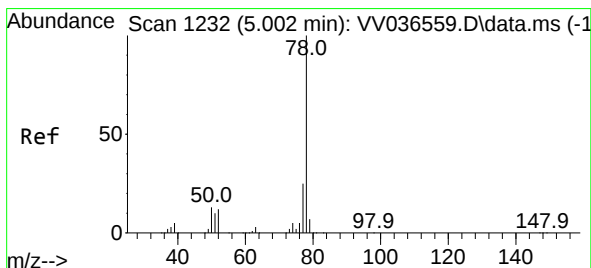
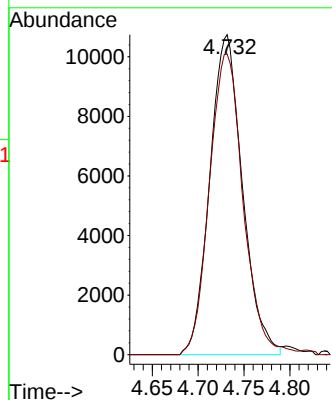
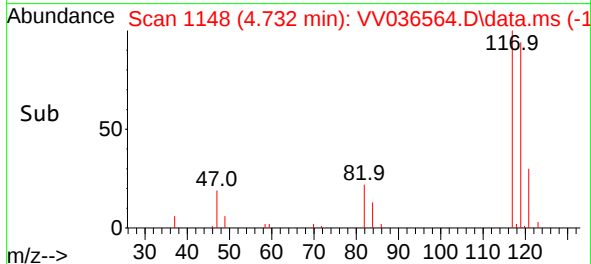
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion:117 Resp: 2658
Ion Ratio Lower Upper
117 100
119 97.1 77.6 116.4

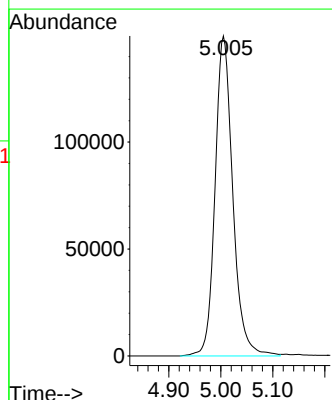
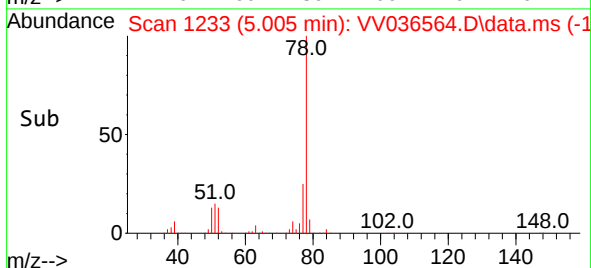
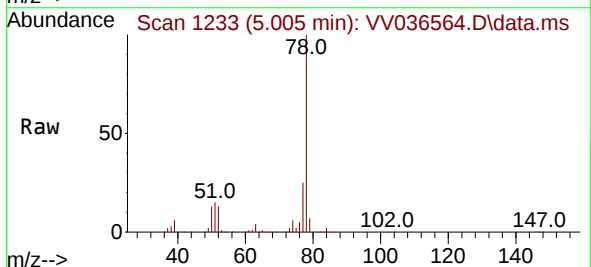
Manual Integrations
APPROVED

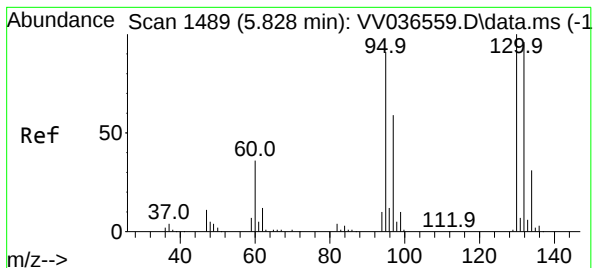
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#33
Benzene
Concen: 22.243 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Tgt Ion: 78 Resp: 354917





#34

Trichloroethene

Concen: 25.553 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036564.D

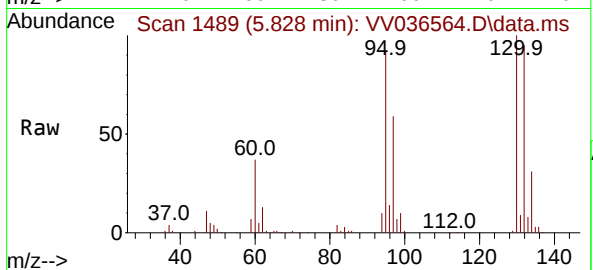
Acq: 16 Jul 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8DL



Tgt Ion: 95 Resp: 129744

Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 103.1 73.0 135.6

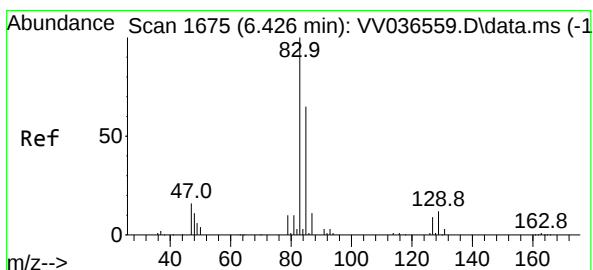
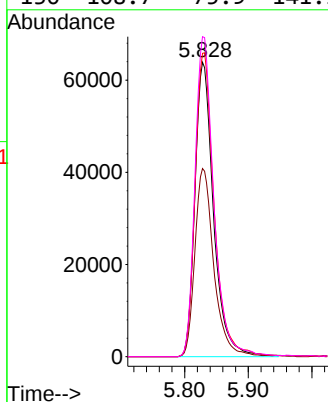
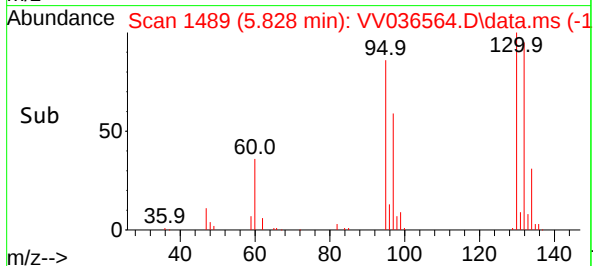
130 108.7 75.9 141.1

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/17/2024

Supervised By :Mahesh Dadoda 07/19/2024



#38

Bromodichloromethane

Concen: 16.335 ug/L

RT: 6.432 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

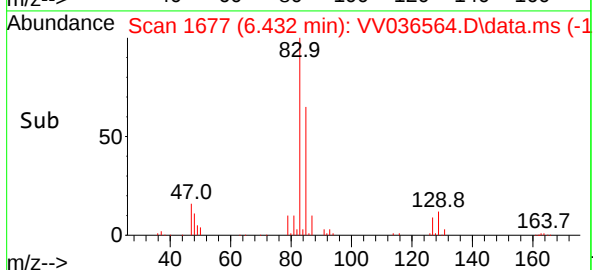
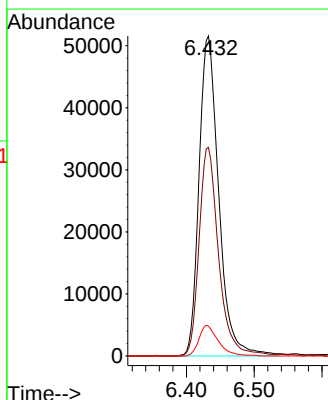
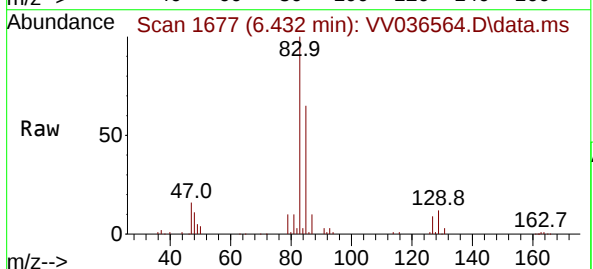
Tgt Ion: 83 Resp: 104225

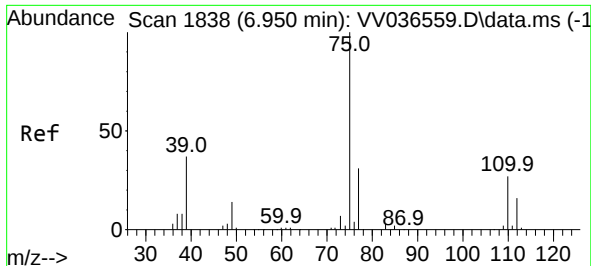
Ion Ratio Lower Upper

83 100

85 65.2 44.3 82.3

127 9.4 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 19.474 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

A4DJ8DL

Tgt Ion: 75 Resp: 120925

Ion Ratio Lower Upper

75 100

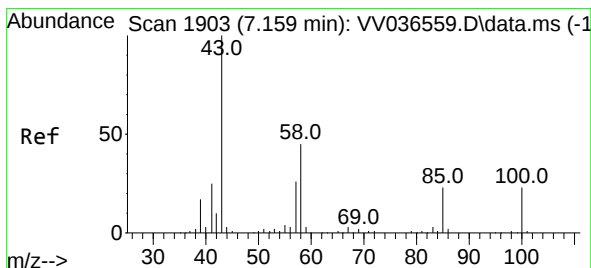
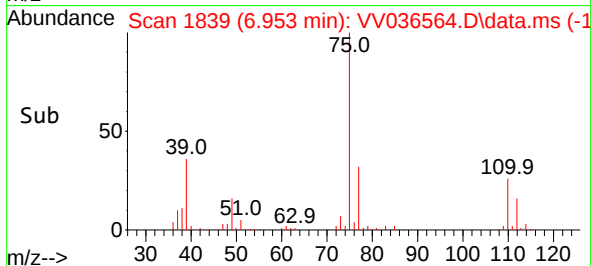
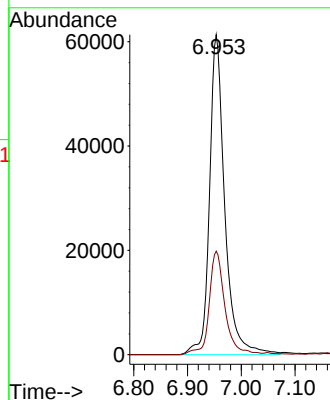
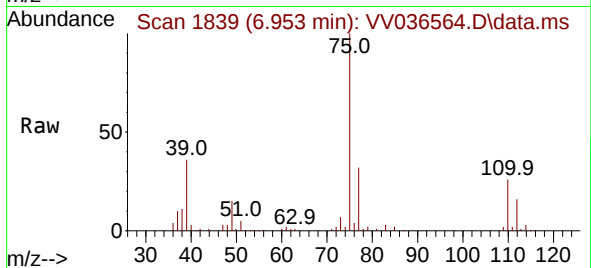
77 32.4 22.2 41.2

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/17/2024

Supervised By :Mahesh Dadoda 07/19/2024



#40

4-Methyl-2-pentanone

Concen: 73.791 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

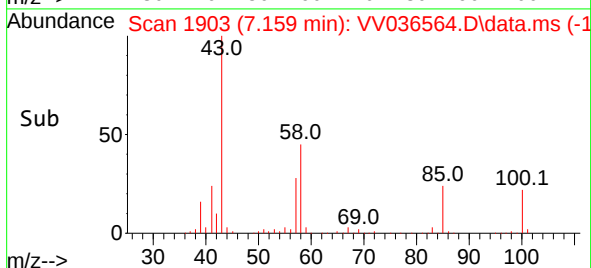
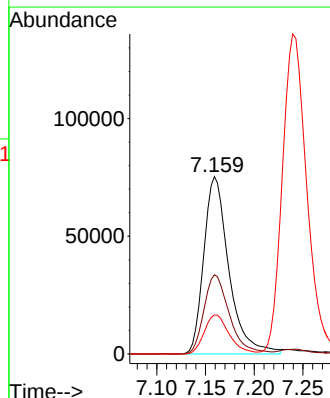
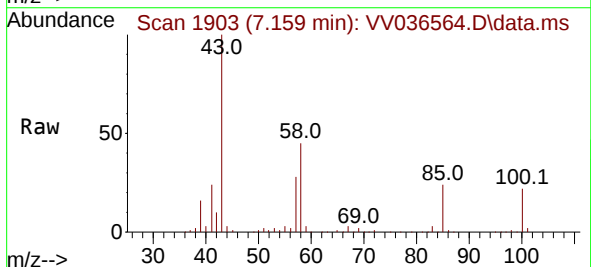
Tgt Ion: 43 Resp: 135034

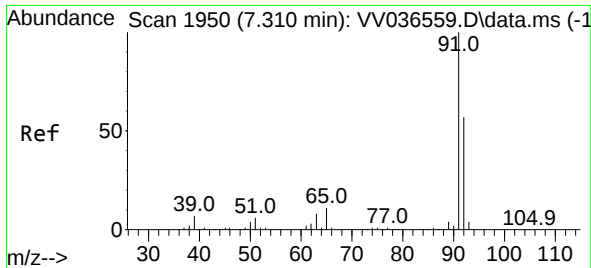
Ion Ratio Lower Upper

43 100

58 45.2 32.9 49.3

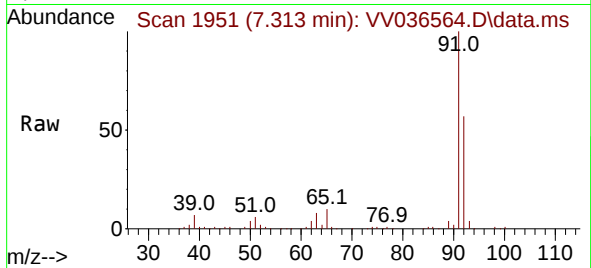
100 22.0 15.5 23.3





#42
Toluene
Concen: 10.345 ug/L
RT: 7.313 min Scan# 1950
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

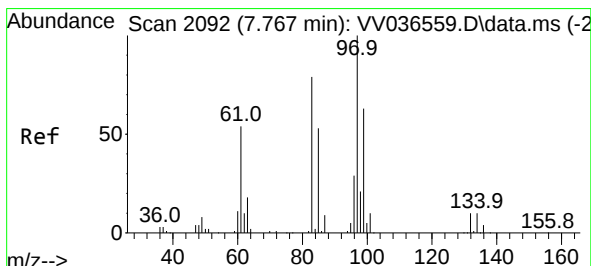
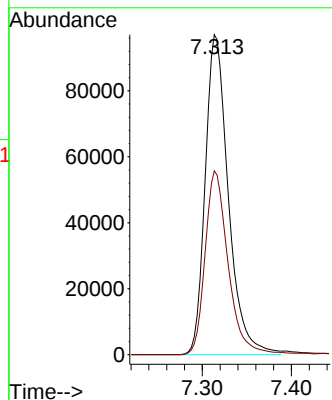
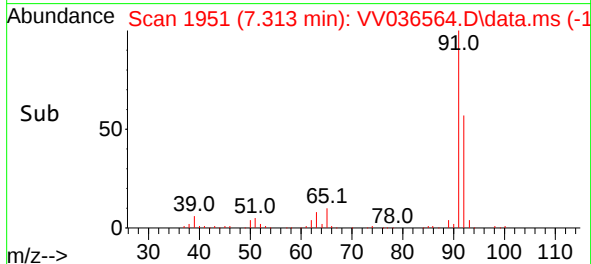
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



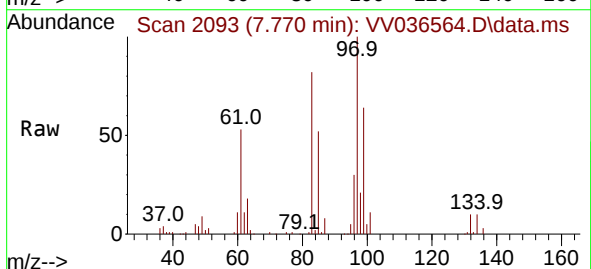
Tgt Ion: 91 Resp: 174904
Ion Ratio Lower Upper
91 100
92 57.5 40.1 74.5

Manual Integrations
APPROVED

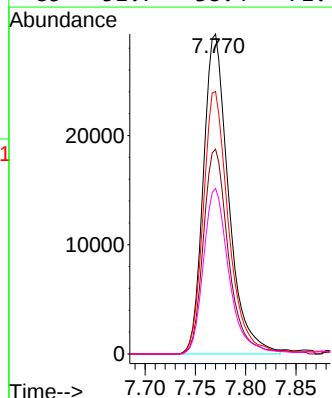
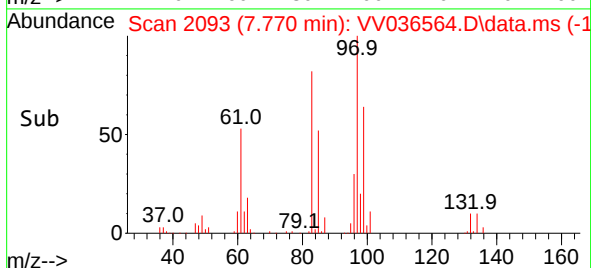
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024

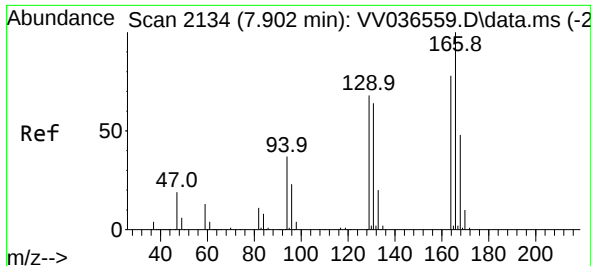


#45
1,1,2-Trichloroethane
Concen: 12.901 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39



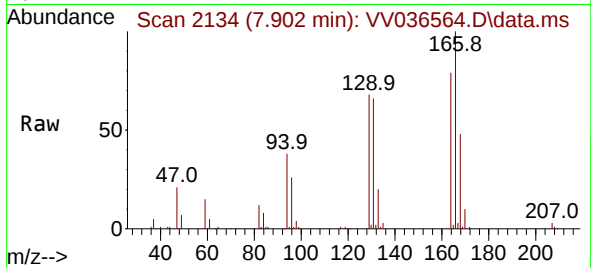
Tgt Ion: 97 Resp: 51190
Ion Ratio Lower Upper
97 100
99 64.0 42.6 79.2
83 82.0 58.0 107.6
85 51.7 38.4 71.4





#46
Tetrachloroethene
Concen: 11.222 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.000 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

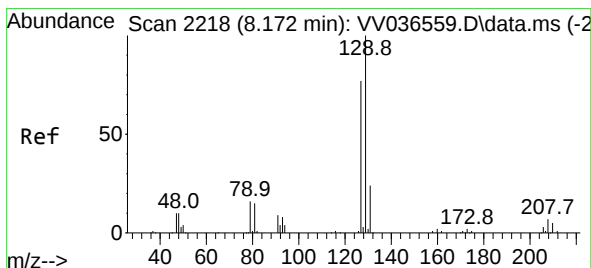
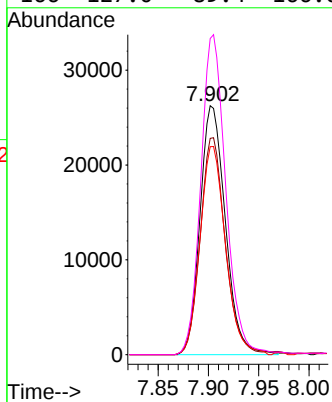
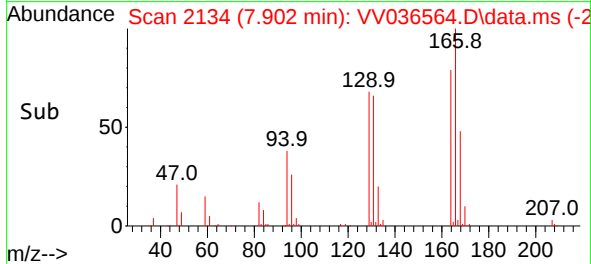
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



Tgt Ion:164 Resp: 46070
Ion Ratio Lower Upper
164 100
129 86.9 61.0 113.4
131 83.5 59.8 111.1
166 127.0 89.4 166.0

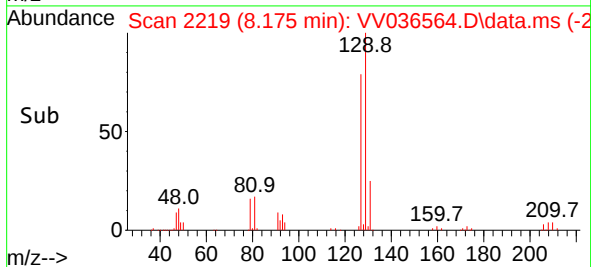
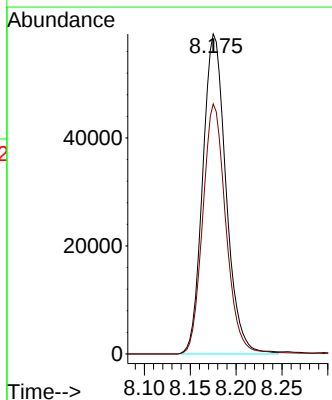
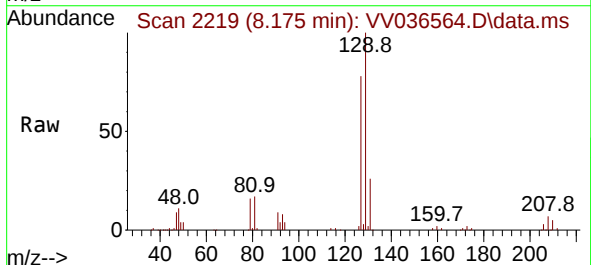
Manual Integrations
APPROVED

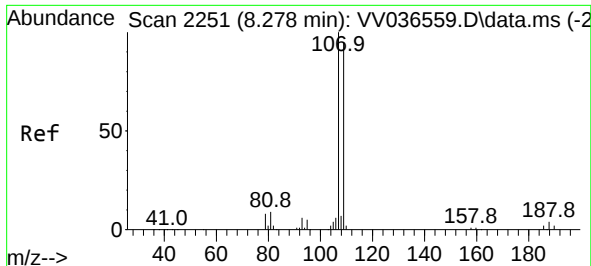
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#49
Dibromochloromethane
Concen: 21.824 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Tgt Ion:129 Resp: 104717
Ion Ratio Lower Upper
129 100
127 78.1 53.7 99.7





#50

1,2-Dibromoethane

Concen: 9.899 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

Instrument :

MSVOA_V

ClientSampleId :

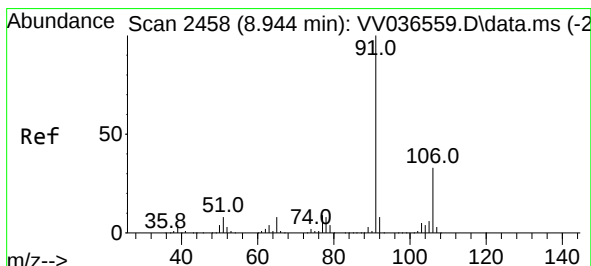
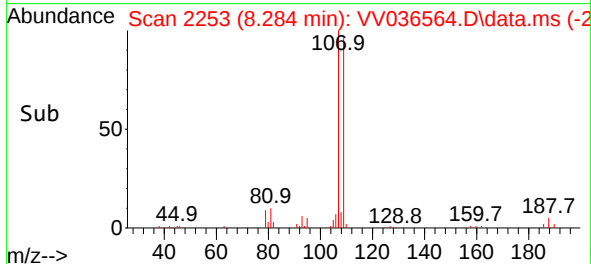
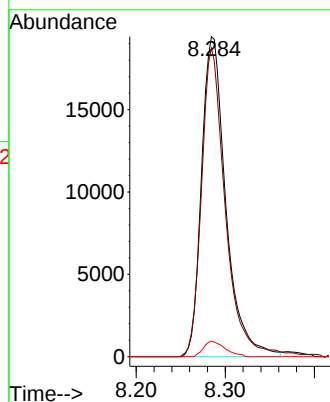
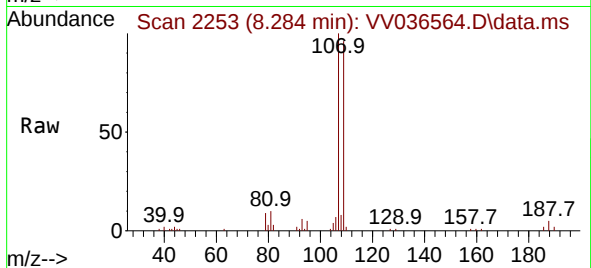
A4DJ8DL

Tgt Ion:	107	Resp:	36864
Ion Ratio	Lower	Upper	
107	100		
109	96.4	66.2	123.0
188	4.9	3.4	5.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#52

Ethylbenzene

Concen: 16.510 ug/L

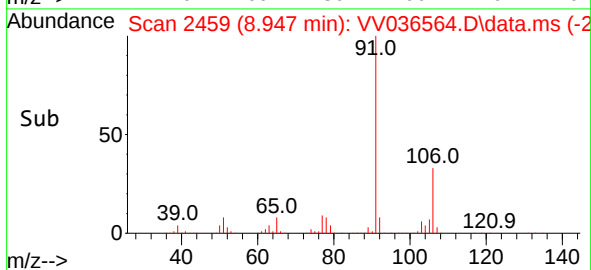
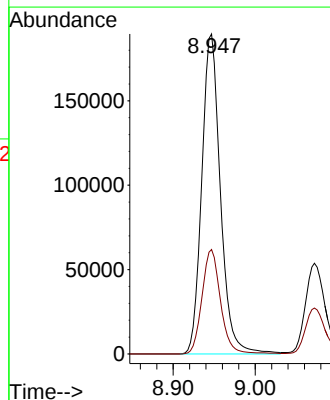
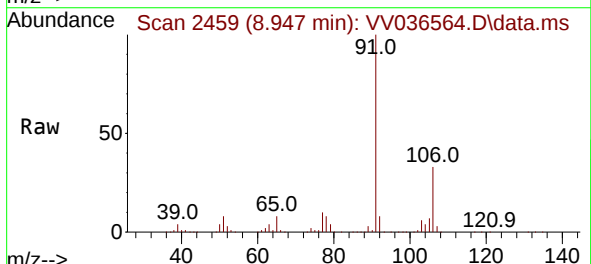
RT: 8.947 min Scan# 2459

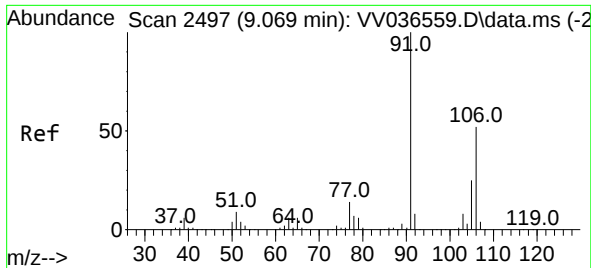
Delta R.T. 0.003 min

Lab File: VV036564.D

Acq: 16 Jul 2024 13:39

Tgt Ion:	91	Resp:	299421
Ion Ratio	Lower	Upper	
91	100		
106	32.6	22.6	42.0





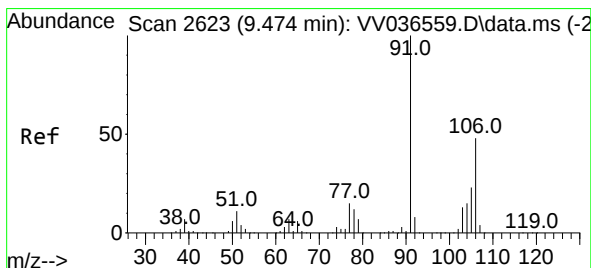
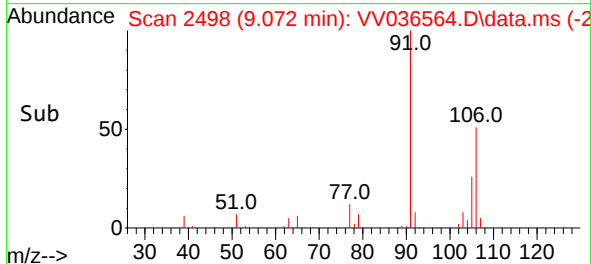
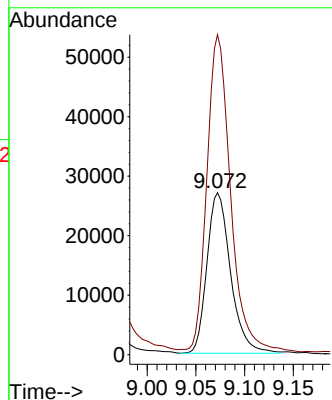
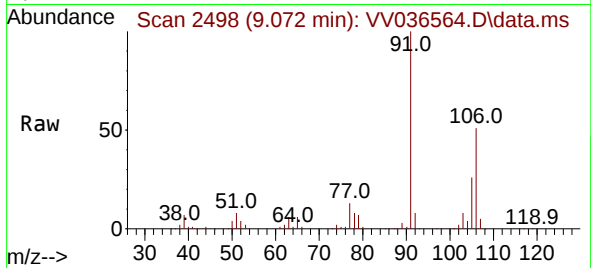
#53
m,p-Xylene
Concen: 6.518 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion:106 Resp: 45514
Ion Ratio Lower Upper
106 100
91 197.6 137.1 254.7

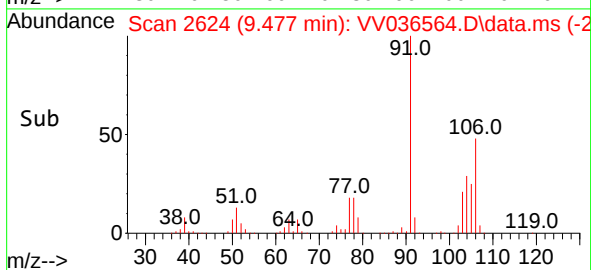
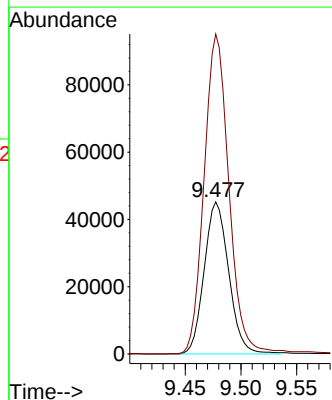
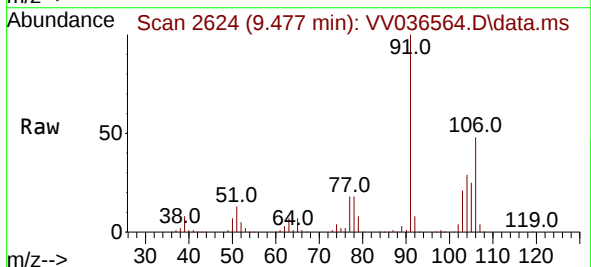
Manual Integrations
APPROVED

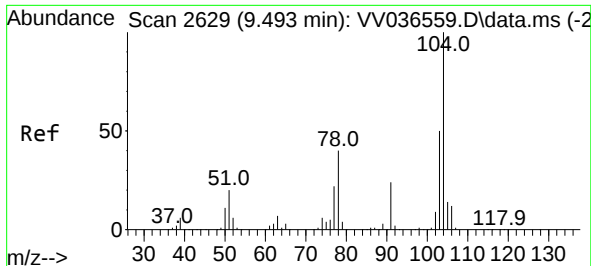
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#54
o-Xylene
Concen: 10.418 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Tgt Ion:106 Resp: 69262
Ion Ratio Lower Upper
106 100
91 210.3 147.3 273.6





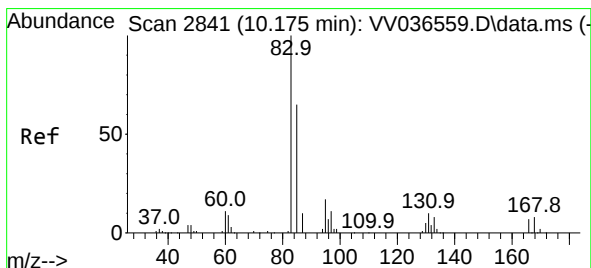
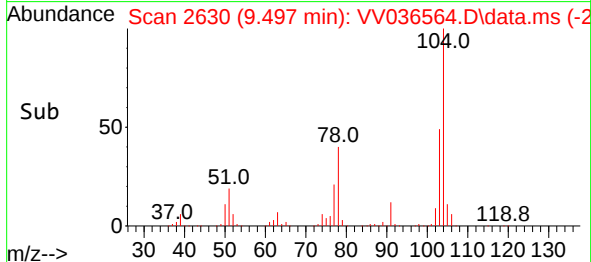
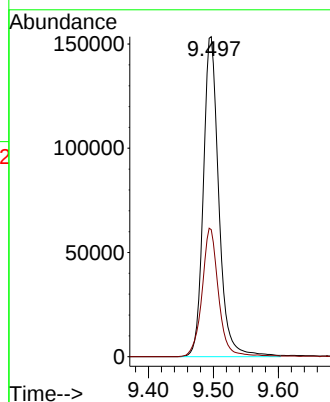
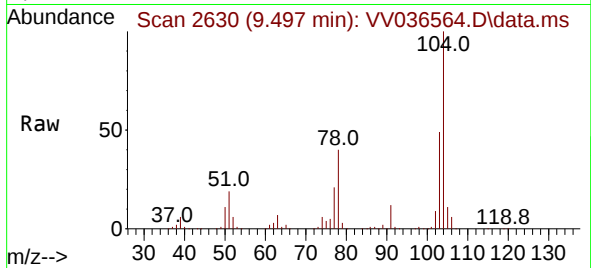
#55
Styrene
Concen: 21.501 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL

Tgt Ion:104 Resp: 25574
Ion Ratio Lower Upper
104 100
78 39.7 28.8 53.6

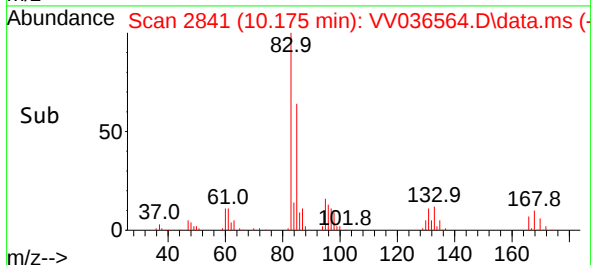
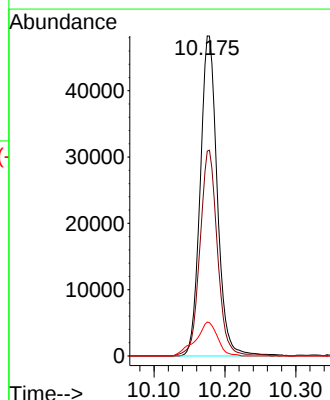
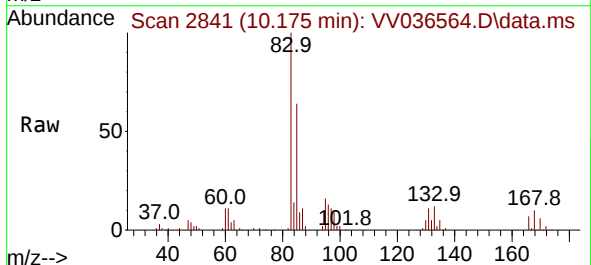
Manual Integrations
APPROVED

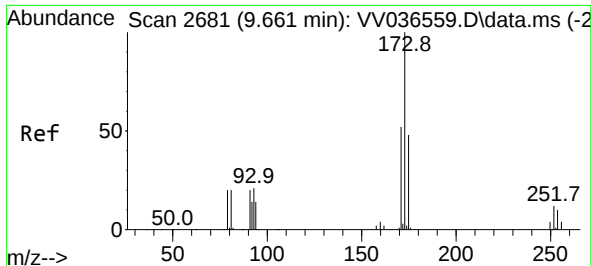
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 22.300 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

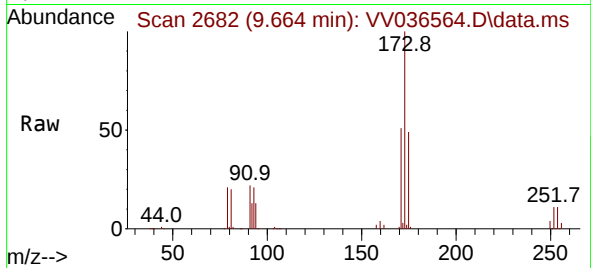
Tgt Ion: 83 Resp: 80801
Ion Ratio Lower Upper
83 100
85 64.0 45.0 83.6
131 10.6 8.1 12.1





#59
Bromoform
Concen: 29.565 ug/L
RT: 9.664 min Scan# 20
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39

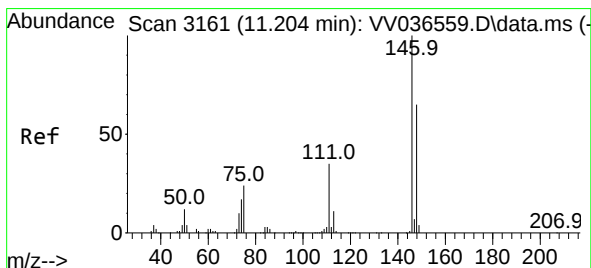
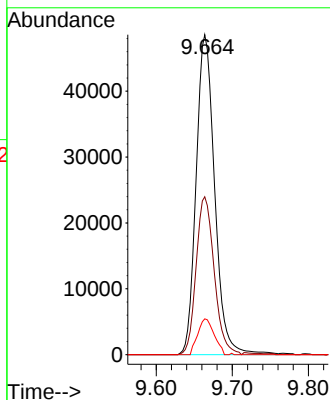
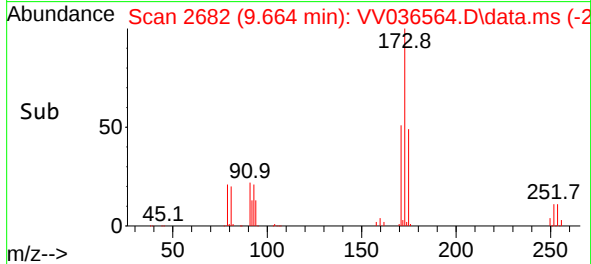
Instrument :
MSVOA_V
ClientSampleId :
A4DJ8DL



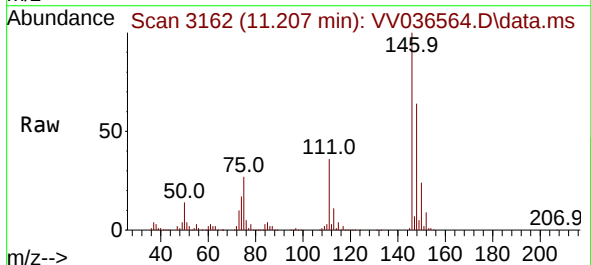
Tgt Ion:173 Resp: 82478
Ion Ratio Lower Upper
173 100
175 48.0 37.6 56.4
254 9.9 8.2 12.4

Manual Integrations
APPROVED

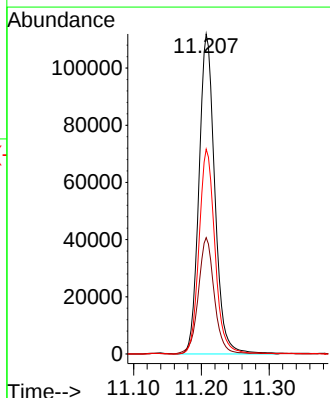
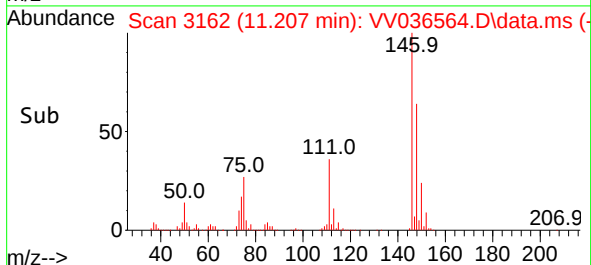
Reviewed By :Romaben Patel 07/17/2024
Supervised By :Mahesh Dadoda 07/19/2024

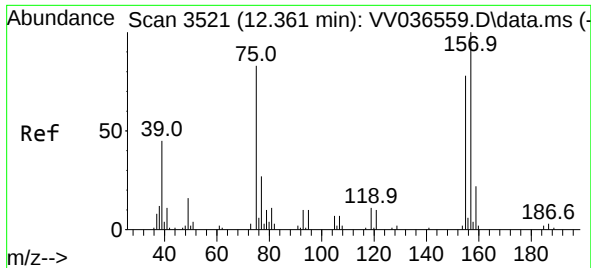


#65
1,4-Dichlorobenzene
Concen: 18.189 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV036564.D
Acq: 16 Jul 2024 13:39



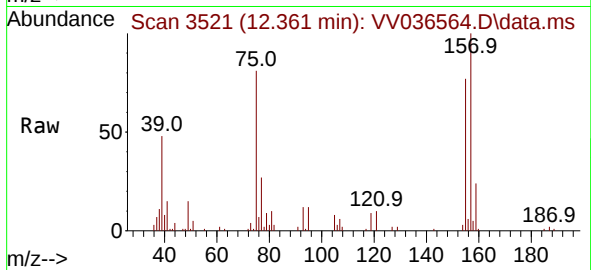
Tgt Ion:146 Resp: 181560
Ion Ratio Lower Upper
146 100
111 36.4 25.2 46.8
148 64.0 45.2 84.0





#68
 1,2-Dibromo-3-chloropropane
 Concen: 27.672 ug/L
 RT: 12.361 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV036564.D
 Acq: 16 Jul 2024 13:39

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL



Tgt Ion: 75 Resp: 1676
 Ion Ratio Lower Upper
 75 100
 155 95.4 74.6 111.8
 157 124.0 95.0 142.4

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/17/2024
 Supervised By :Mahesh Dadoda 07/19/2024

