

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071824\
 Data File : VW036603.D
 Acq On : 18 Jul 2024 15:36
 Operator : SY/MD
 Sample : P3298-07
 Misc : 5.76g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB27

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/19/2024
 Supervised By :Mahesh Dadoda 07/22/2024

Quant Time: Jul 19 04:40:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 04:31:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.567	114	566372	25.000	ug/L	0.04
28) Chlorobenzene-d5	8.886	117	372041	25.000	ug/L	0.11
58) 1,4-Dichlorobenzene-d4	11.201	152	179663	25.000	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	163391	20.136	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.560%
7) Chloroethane-d5	1.532	69	103005	14.519	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.080%
11) 1,1-Dichloroethene-d2	2.059	65	59880	14.371	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.480%
21) 2-Butanone-d5	3.844	46	67793	48.813	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.620%
24) Chloroform-d	4.265	84	211557	12.833	ug/L	0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	51.320%
26) 1,2-Dichloroethane-d4	4.953	65	120904	14.786	ug/L	0.02
Spiked Amount	25.000	Range	70 - 130	Recovery	=	59.160%#
32) Benzene-d6	4.985	84	413712	22.290	ug/L	0.04
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.160%
36) 1,2-Dichloropropane-d6	6.011	67	112066	20.259	ug/L	0.03
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.040%
41) Toluene-d8	7.368	98	383944m	22.419	ug/L	0.13
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.680%
43) trans-1,3-Dichloroprop...	7.606	79	59073m	25.686	ug/L	0.05
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.760%
47) 2-Hexanone-d5	0.000	63	0d	0.000	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.000%#
56) 1,1,2,2-Tetrachloroeth...	10.178	84	101506	21.788	ug/L	0.03
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.160%
66) 1,2-Dichlorobenzene-d4	11.574	152	102549	16.819	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	67.280%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.278	62	4920270	607.038	ug/L	99
12) 1,1-Dichloroethene	2.069	96	193516	23.129	ug/L	87
13) Acetone	2.175	43	44892	22.863	ug/L	91
14) Carbon disulfide	2.243	76	16909	0.900	ug/L	99
15) Methyl Acetate	2.413	43	8498	3.203	ug/L #	72
16) Methylene chloride	2.452	84	34599	2.971	ug/L	95
17) trans-1,2-Dichloroethene	2.703	96	120053	15.789	ug/L	98
19) 1,1-Dichloroethane	3.121	63	57067	4.146	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	47074111m	5956.674	ug/L	
30) 1,1,1-Trichloroethane	4.526	97	705371	81.559	ug/L	100
33) Benzene	5.030	78	24700m	1.342	ug/L	
34) Trichloroethene	5.863	95	46842343	7995.265	ug/L	94
42) Toluene	7.448	91	6420273m	329.096	ug/L	
46) Tetrachloroethene	7.915	164	79118911m	16701.941	ug/L	
52) Ethylbenzene	9.027	91	136862	6.540	ug/L	99
53) m,p-Xylene	9.140	106	260399	32.320	ug/L	98
54) o-Xylene	9.529	106	103337	13.471	ug/L	94
60) Isopropylbenzene	9.908	105	15809	0.881	ug/L	99
62) 1,3,5-Trimethylbenzene	10.503	105	43857	3.412	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071824\
Data File : VV036603.D
Acq On : 18 Jul 2024 15:36
Operator : SY/MD
Sample : P3298-07
Misc : 5.76g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHB27

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024

Quant Time: Jul 19 04:40:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 04:31:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.873	105	121596	8.694	ug/L	99

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

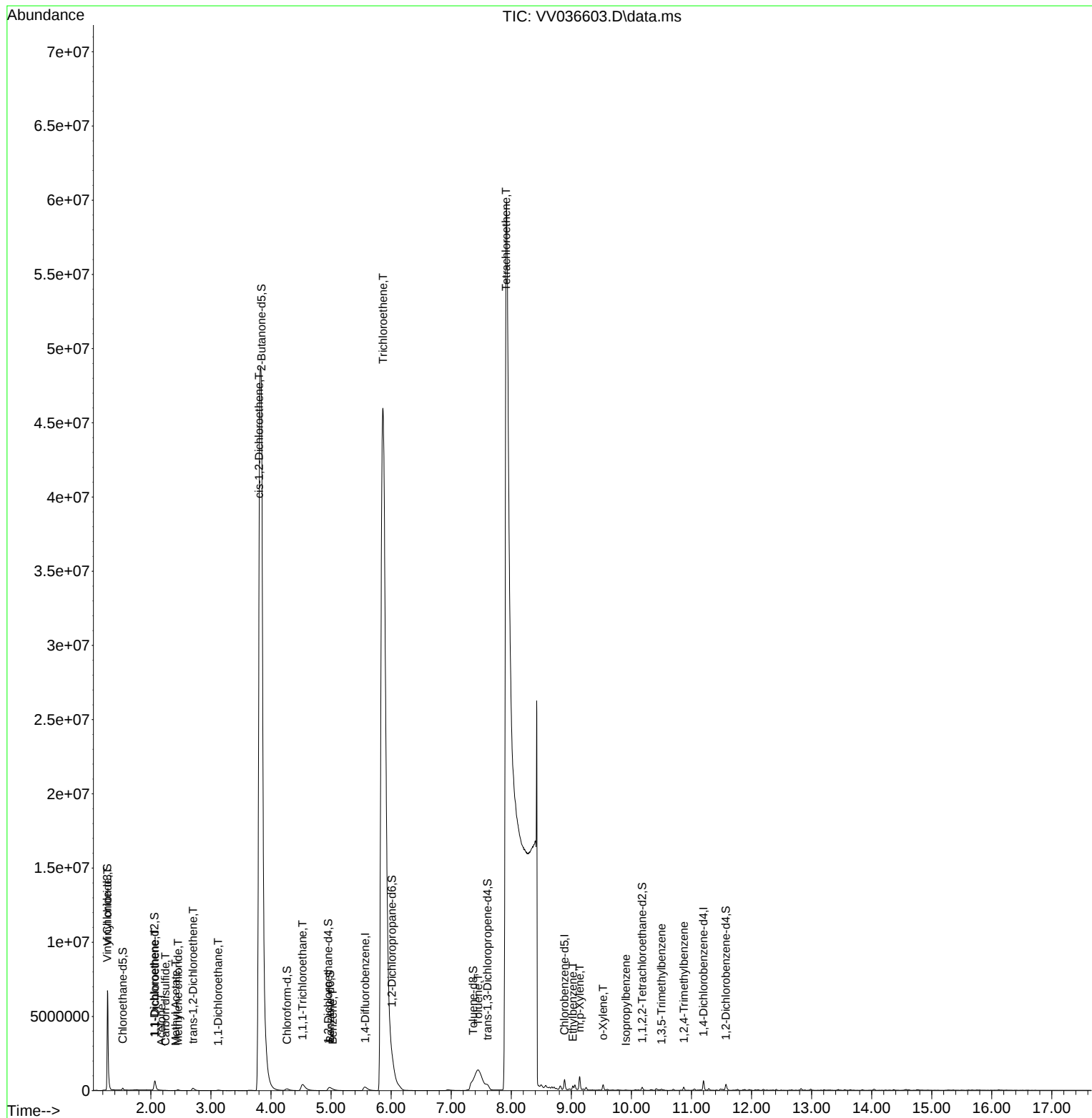
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071824\
Data File : VV036603.D
Acq On : 18 Jul 2024 15:36
Operator : SY/MD
Sample : P3298-07
Misc : 5.76g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

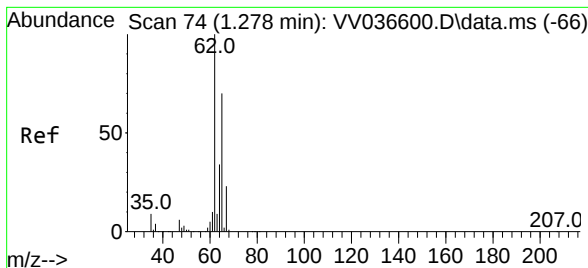
Instrument :
MSVOA_V
ClientSampleId :
BHB27

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024

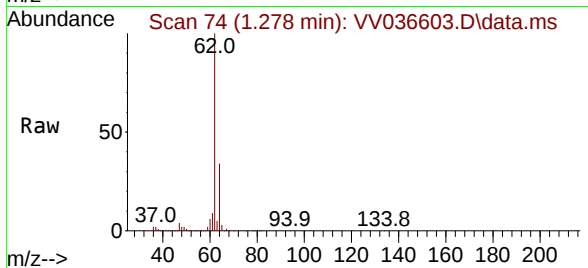
Quant Time: Jul 19 04:40:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 04:31:33 2024
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 607.038 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV036603.D
 Acq: 18 Jul 2024 15:36

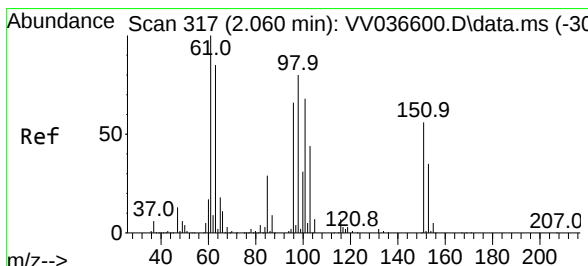
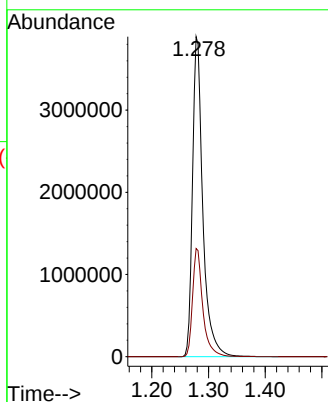
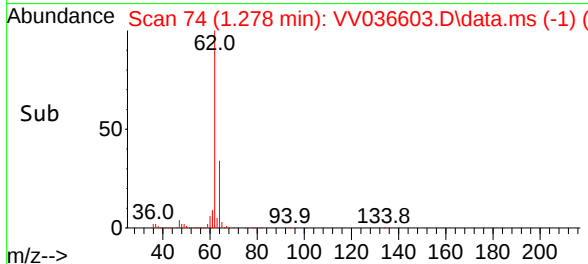
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB27



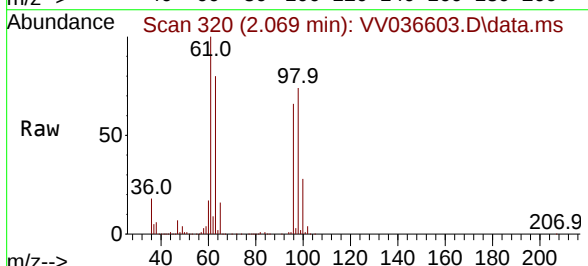
Tgt Ion: 62 Resp: 4920270
 Ion Ratio Lower Upper
 62 100
 64 33.8 23.4 43.4

Manual Integrations
 APPROVED

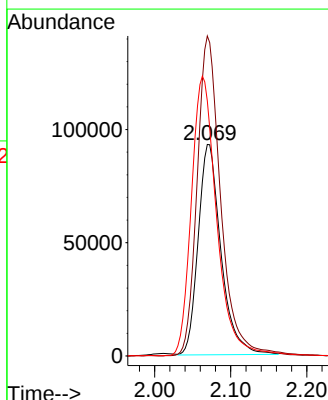
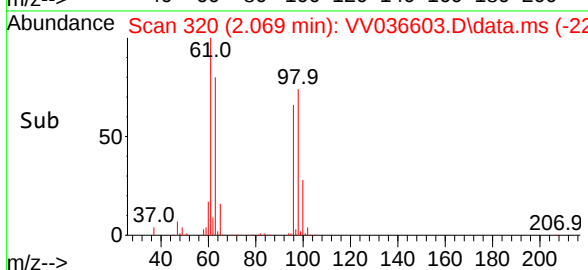
Reviewed By :Romaben Patel 07/19/2024
 Supervised By :Mahesh Dadoda 07/22/2024

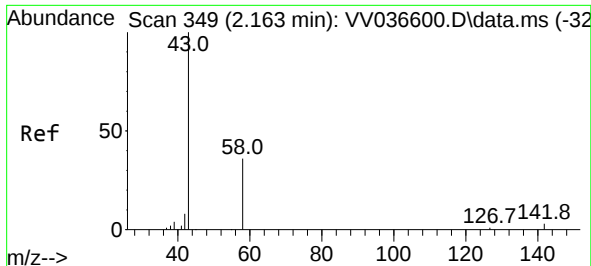


#12
 1,1-Dichloroethene
 Concen: 23.129 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. 0.009 min
 Lab File: VV036603.D
 Acq: 18 Jul 2024 15:36



Tgt Ion: 96 Resp: 193516
 Ion Ratio Lower Upper
 96 100
 61 151.3 110.8 205.8
 63 120.6 103.9 192.9





#13

Acetone

Concen: 22.863 ug/L

RT: 2.175 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV036603.D

Acq: 18 Jul 2024 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHB27

Tgt Ion: 43 Resp: 4489

Ion Ratio Lower Upper

43 100

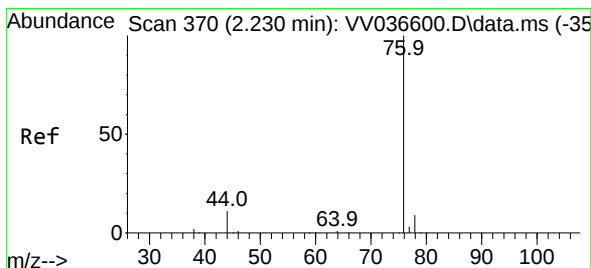
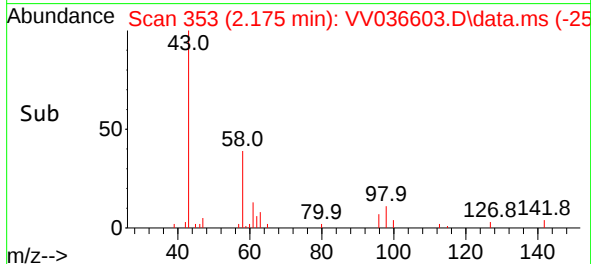
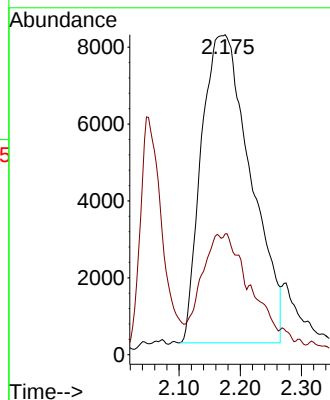
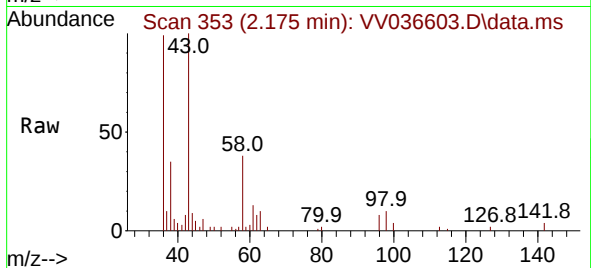
58 10.6 0.0 28.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/19/2024

Supervised By :Mahesh Dadoda 07/22/2024



#14

Carbon disulfide

Concen: 0.900 ug/L

RT: 2.243 min Scan# 374

Delta R.T. 0.013 min

Lab File: VV036603.D

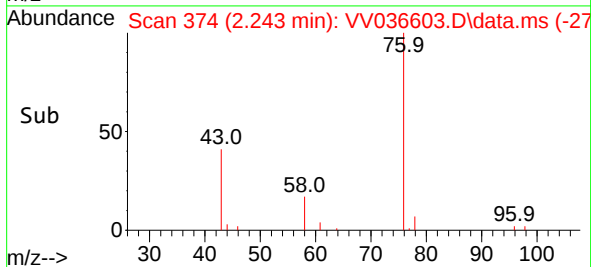
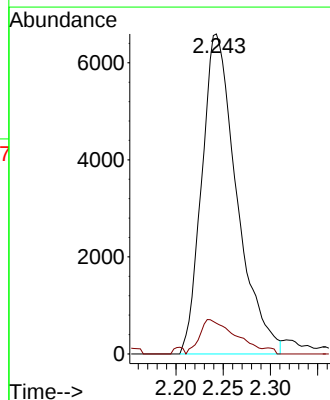
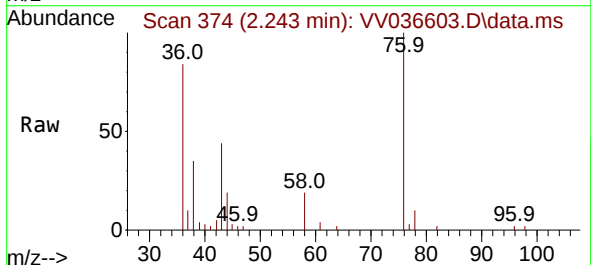
Acq: 18 Jul 2024 15:36

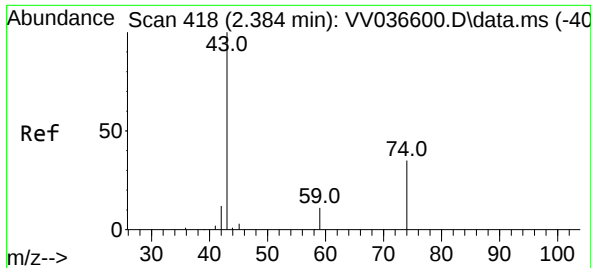
Tgt Ion: 76 Resp: 16909

Ion Ratio Lower Upper

76 100

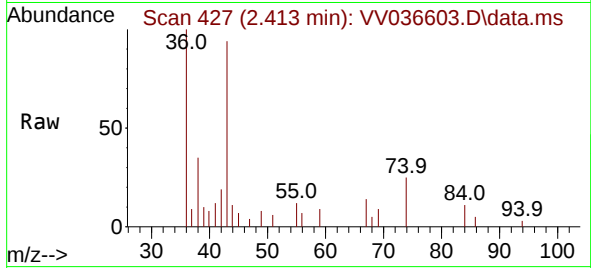
78 9.6 7.4 11.2





#15
Methyl Acetate
Concen: 3.203 ug/L
RT: 2.413 min Scan# 418
Delta R.T. 0.029 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

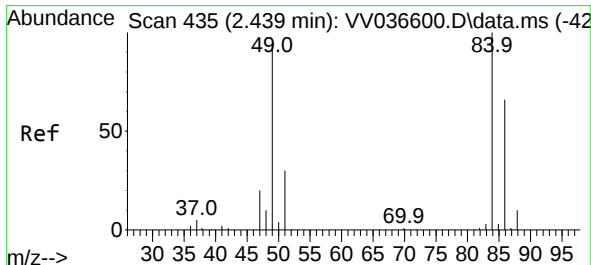
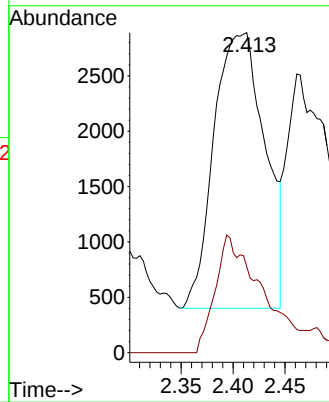
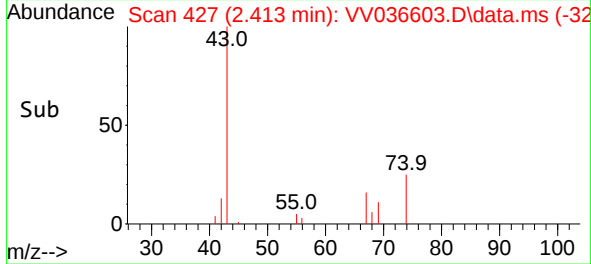
Instrument :
MSVOA_V
ClientSampleId :
BHB27



Tgt Ion: 43 Resp: 8498
Ion Ratio Lower Upper
43 100
74 17.4 26.3 39.5

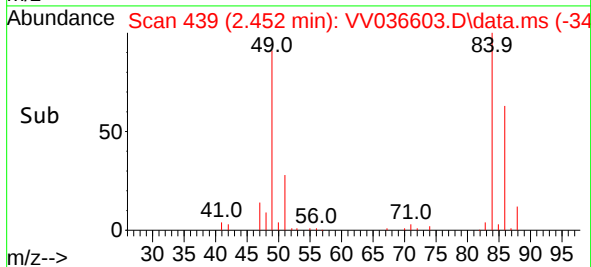
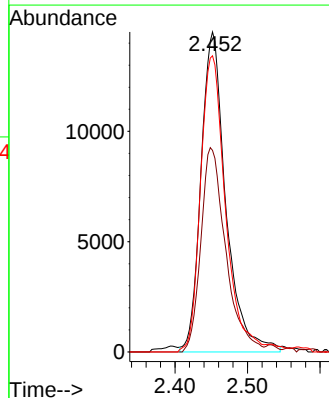
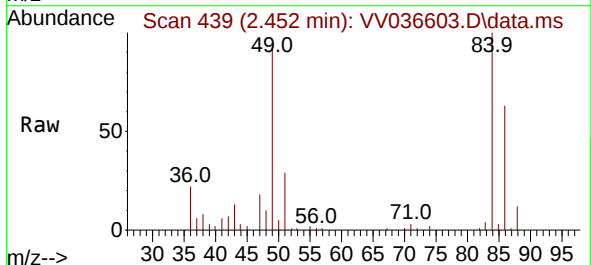
Manual Integrations
APPROVED

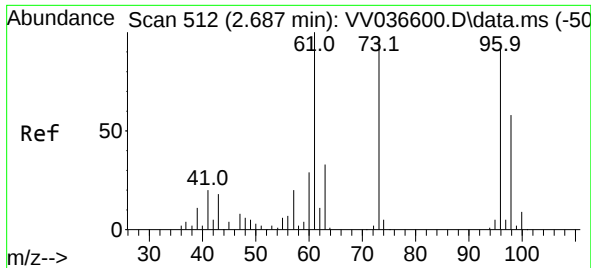
Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024



#16
Methylene chloride
Concen: 2.971 ug/L
RT: 2.452 min Scan# 439
Delta R.T. 0.013 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

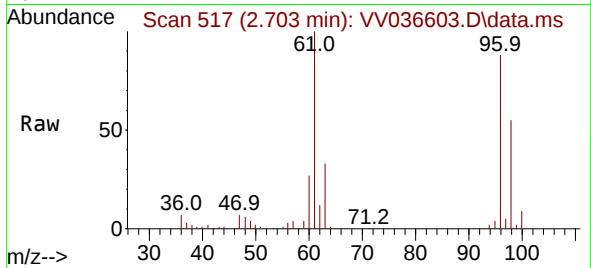
Tgt Ion: 84 Resp: 34599
Ion Ratio Lower Upper
84 100
86 63.0 46.3 86.1
49 92.5 68.1 126.5





#17
trans-1,2-Dichloroethene
Concen: 15.789 ug/L
RT: 2.703 min Scan# 512
Delta R.T. 0.016 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

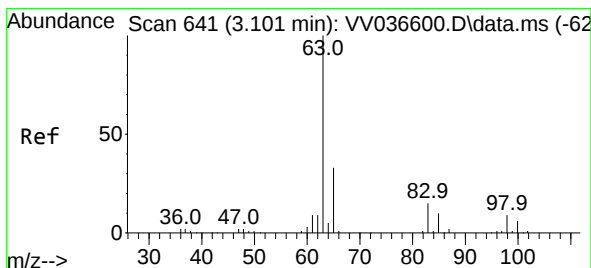
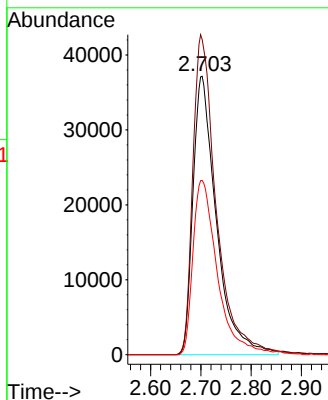
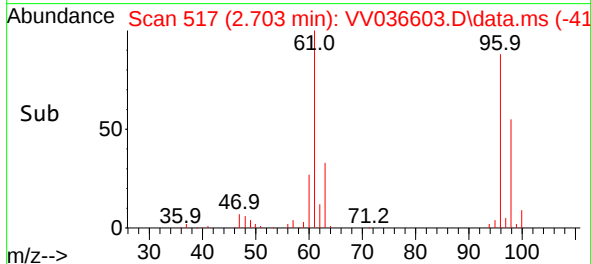
Instrument :
MSVOA_V
ClientSampleId :
BHB27



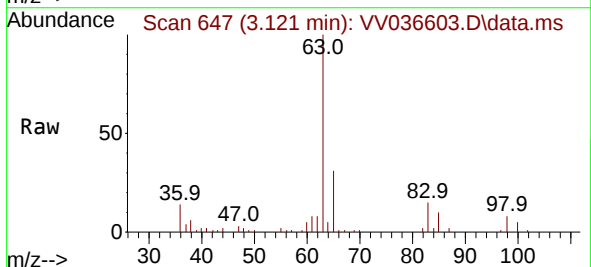
Tgt Ion: 96 Resp: 12005
Ion Ratio Lower Upper
96 100
61 113.1 80.7 149.9
98 62.6 44.6 82.8

Manual Integrations
APPROVED

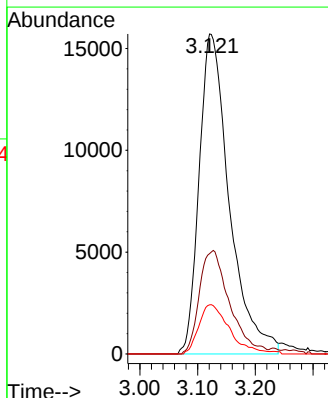
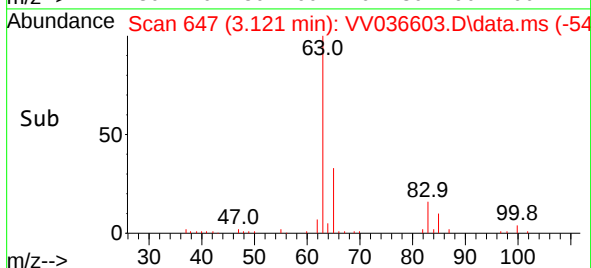
Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024

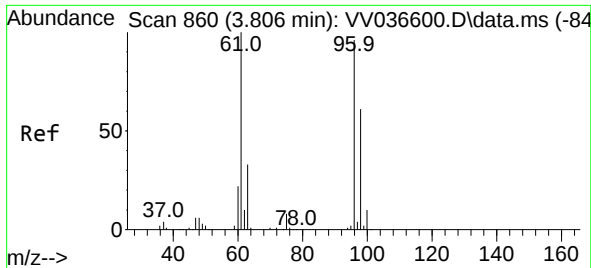


#19
1,1-Dichloroethane
Concen: 4.146 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.019 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36



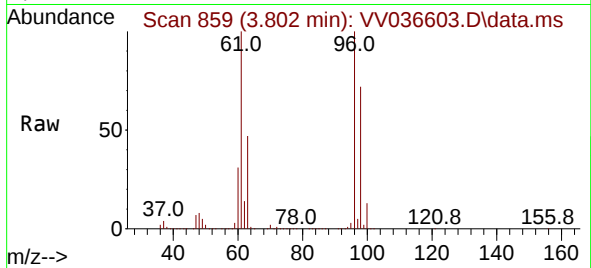
Tgt Ion: 63 Resp: 57067
Ion Ratio Lower Upper
63 100
65 31.4 22.7 42.1
83 15.3 10.9 20.2





#20
 cis-1,2-Dichloroethene
 Concen: 5956.674 ug/L m
 RT: 3.802 min Scan# 811
 Delta R.T. -0.003 min
 Lab File: VV036603.D
 Acq: 18 Jul 2024 15:36

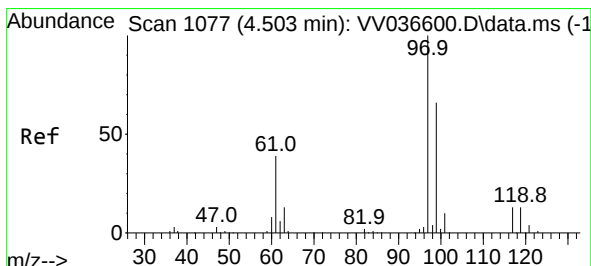
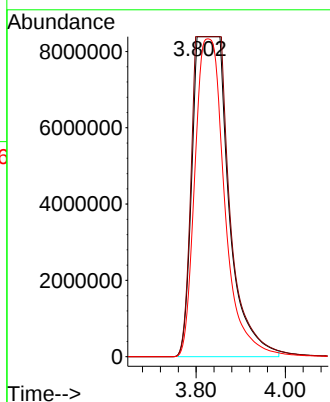
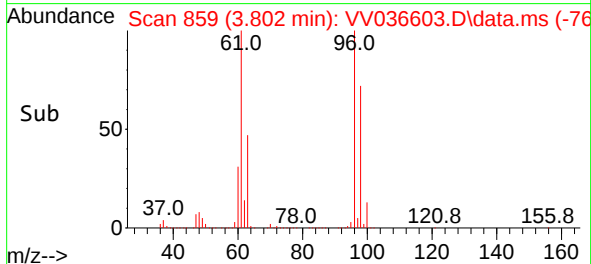
Instrument :
 MSVOA_V
 ClientSampleId :
 BHB27



Tgt Ion: 96 Resp: 4707411
 Ion Ratio Lower Upper
 96 100
 61 100.0 74.8 138.8
 98 71.9 45.2 84.0

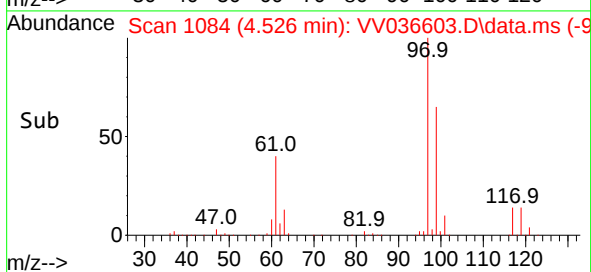
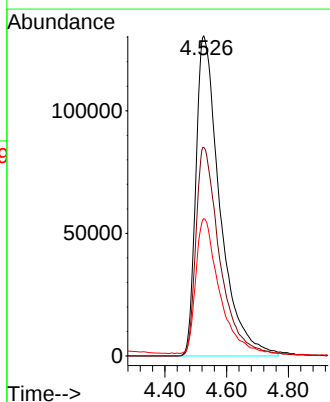
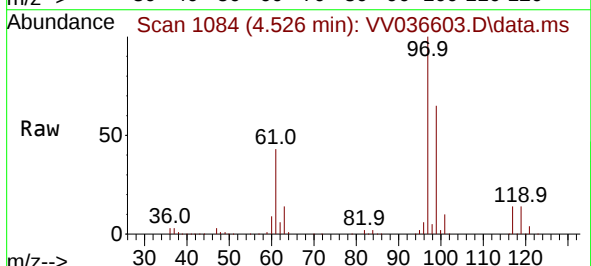
Manual Integrations
 APPROVED

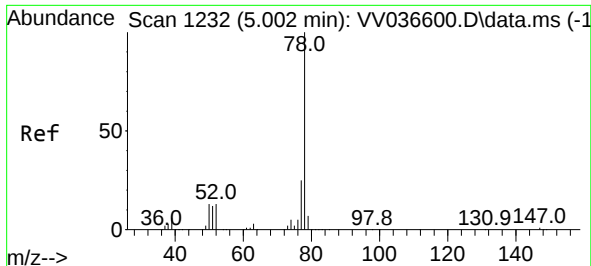
Reviewed By :Romaben Patel 07/19/2024
 Supervised By :Mahesh Dadoda 07/22/2024



#30
 1,1,1-Trichloroethane
 Concen: 81.559 ug/L
 RT: 4.526 min Scan# 1084
 Delta R.T. 0.022 min
 Lab File: VV036603.D
 Acq: 18 Jul 2024 15:36

Tgt Ion: 97 Resp: 705371
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.9 77.9
 61 40.3 32.2 48.4





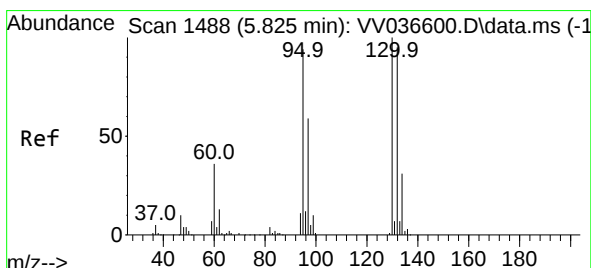
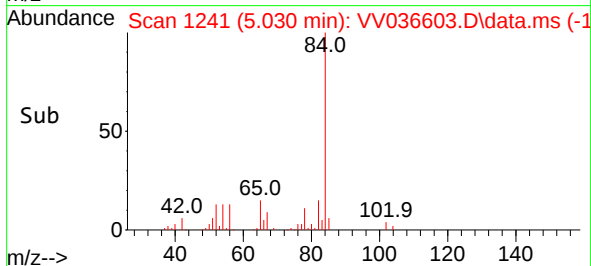
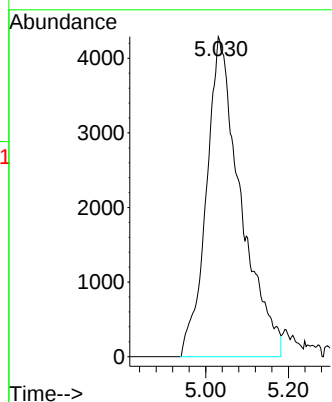
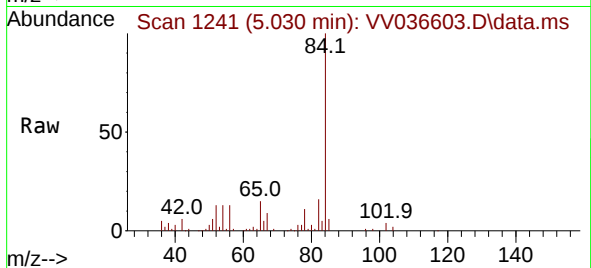
#33
Benzene
Concen: 1.342 ug/L m
RT: 5.030 min Scan# 11
Delta R.T. 0.029 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Instrument :
MSVOA_V
ClientSampleId :
BHB27

Tgt Ion: 78 Resp: 24700

Manual Integrations
APPROVED

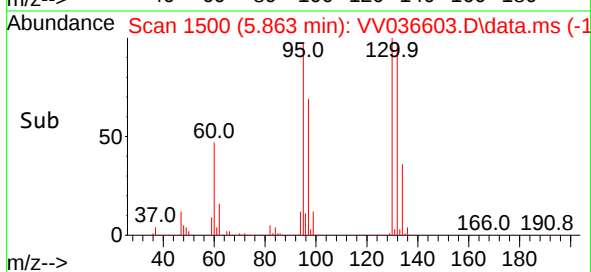
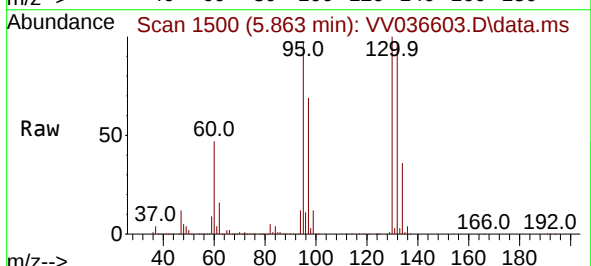
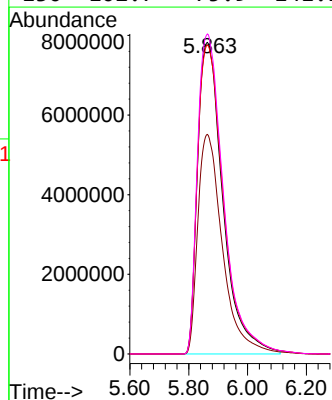
Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024

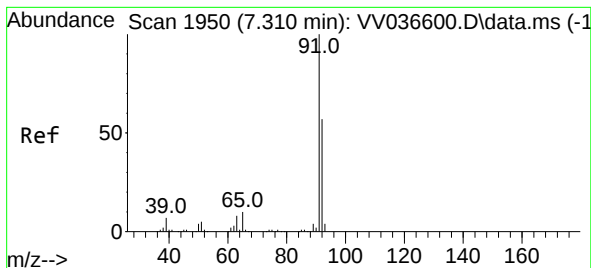


#34
Trichloroethene
Concen: 7995.265 ug/L
RT: 5.863 min Scan# 1500
Delta R.T. 0.038 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Tgt Ion: 95 Resp:46842343

Ion	Ratio	Lower	Upper
95	100		
97	70.5	44.4	82.4
132	99.1	73.0	135.6
130	102.7	75.9	141.1





#42

Toluene

Concen: 329.096 ug/L m

RT: 7.448 min Scan# 1950

Delta R.T. 0.138 min

Lab File: VV036603.D

Acq: 18 Jul 2024 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHB27

Tgt Ion: 91 Resp: 642027

Ion Ratio Lower Upper

91 100

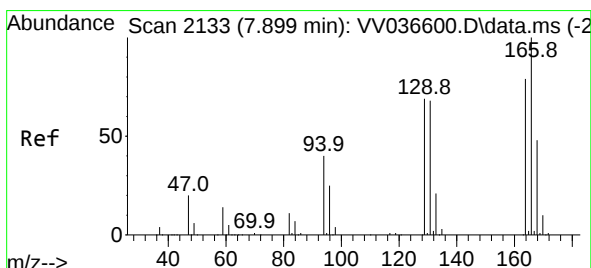
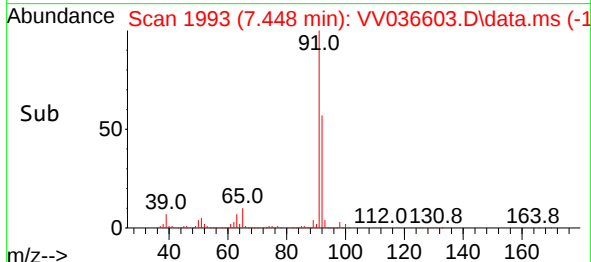
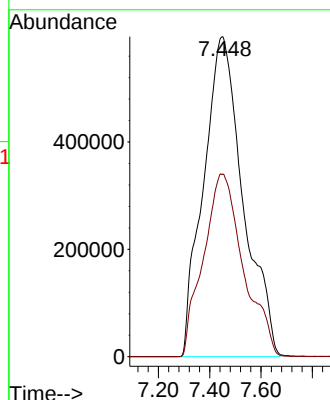
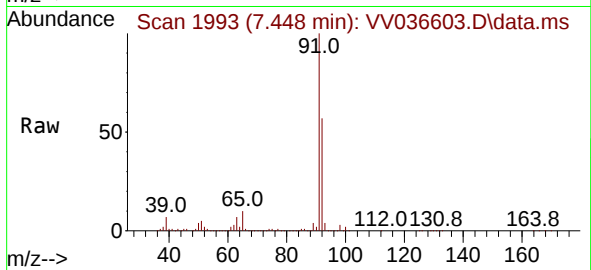
92 56.9 40.1 74.5

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/19/2024

Supervised By :Mahesh Dadoda 07/22/2024



#46

Tetrachloroethene

Concen: 16701.941 ug/L m

RT: 7.915 min Scan# 2138

Delta R.T. 0.016 min

Lab File: VV036603.D

Acq: 18 Jul 2024 15:36

Tgt Ion:164 Resp:79118911

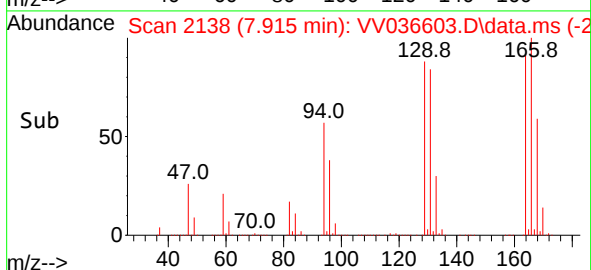
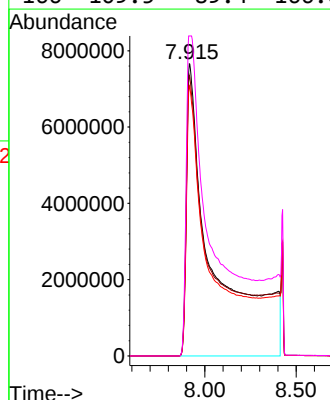
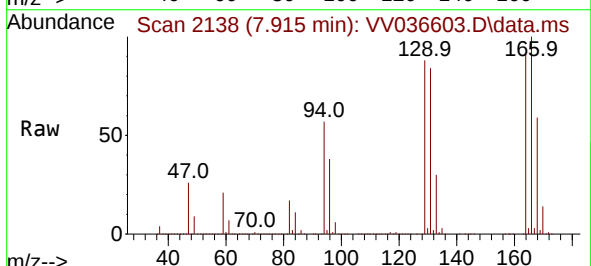
Ion Ratio Lower Upper

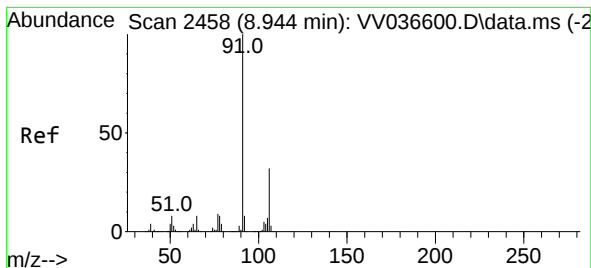
164 100

129 96.0 61.0 113.4

131 92.5 59.8 111.1

166 109.5 89.4 166.0





#52

Ethylbenzene

Concen: 6.540 ug/L

RT: 9.027 min Scan# 2458

Delta R.T. 0.083 min

Lab File: VV036603.D

Acq: 18 Jul 2024 15:36

Instrument :

MSVOA_V

ClientSampleId :

BHB27

Tgt Ion: 91 Resp: 136862

Ion Ratio Lower Upper

91 100

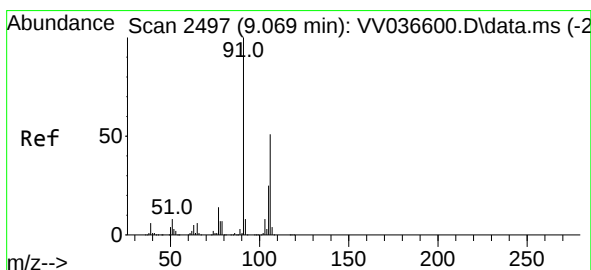
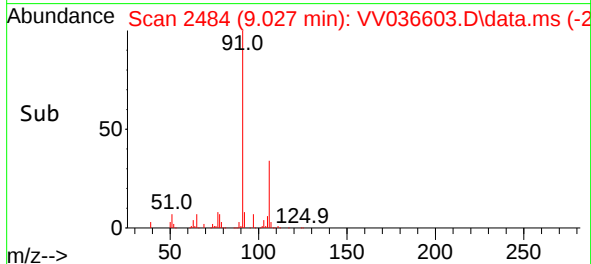
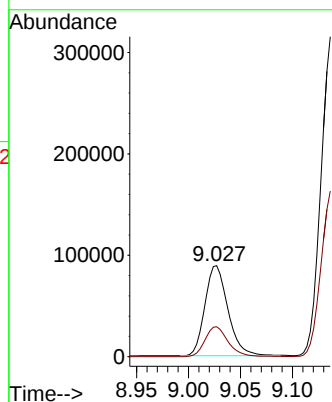
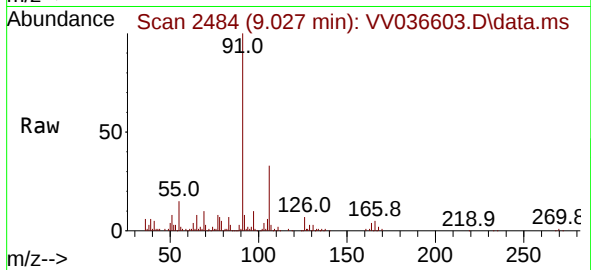
106 32.9 22.6 42.0

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 07/19/2024

Supervised By :Mahesh Dadoda 07/22/2024



#53

m,p-Xylene

Concen: 32.320 ug/L

RT: 9.140 min Scan# 2519

Delta R.T. 0.071 min

Lab File: VV036603.D

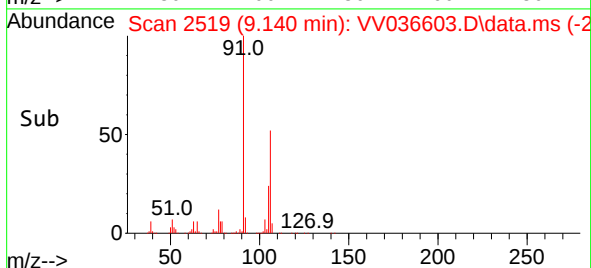
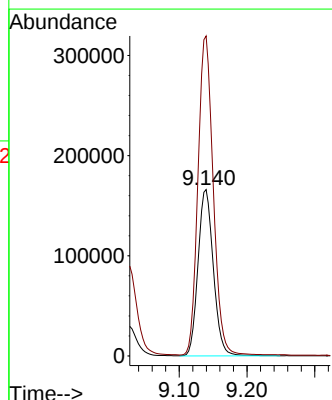
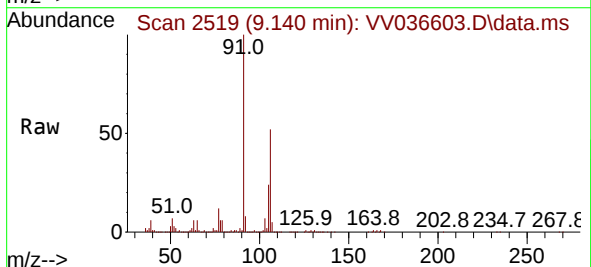
Acq: 18 Jul 2024 15:36

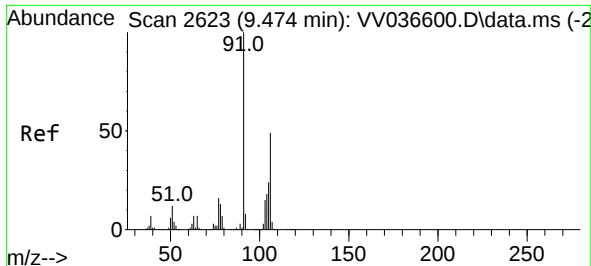
Tgt Ion:106 Resp: 260399

Ion Ratio Lower Upper

106 100

91 192.3 137.1 254.7





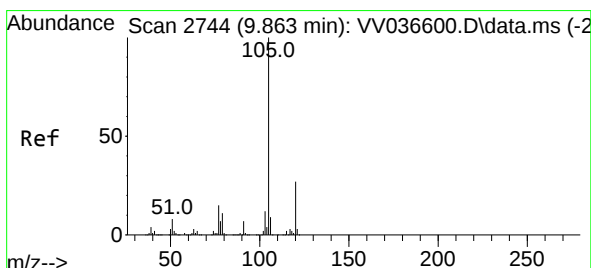
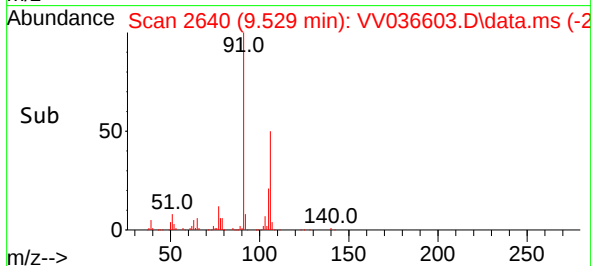
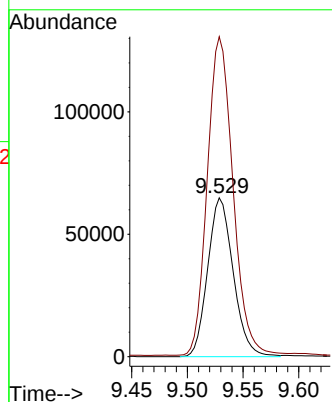
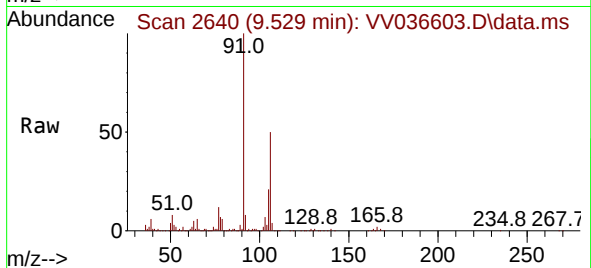
#54
o-Xylene
Concen: 13.471 ug/L
RT: 9.529 min Scan# 20
Delta R.T. 0.054 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Instrument :
MSVOA_V
ClientSampleId :
BHB27

Tgt Ion:106 Resp: 10333
Ion Ratio Lower Upper
106 100
91 201.3 147.3 273.6

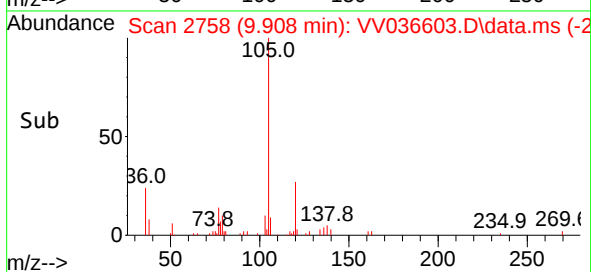
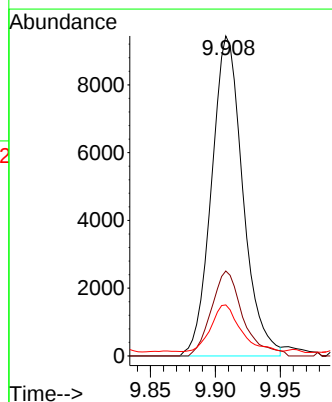
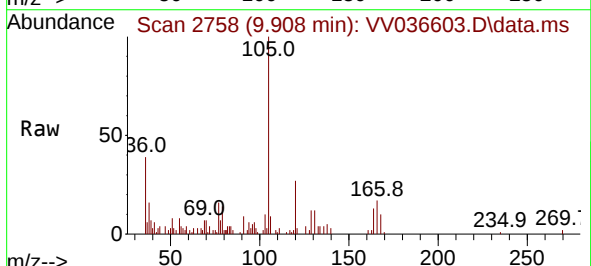
Manual Integrations
APPROVED

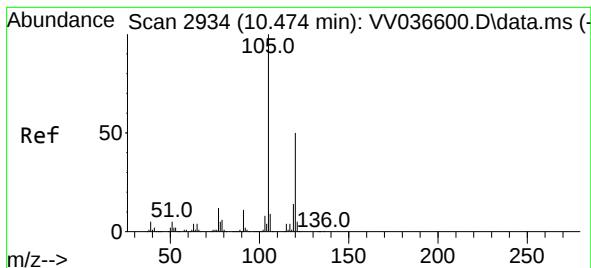
Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024



#60
Isopropylbenzene
Concen: 0.881 ug/L
RT: 9.908 min Scan# 2758
Delta R.T. 0.045 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Tgt Ion:105 Resp: 15809
Ion Ratio Lower Upper
105 100
120 26.7 21.8 32.6
77 14.6 12.0 18.0





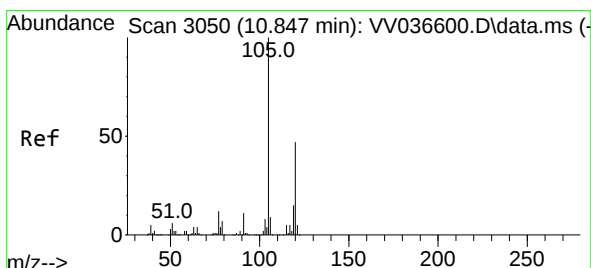
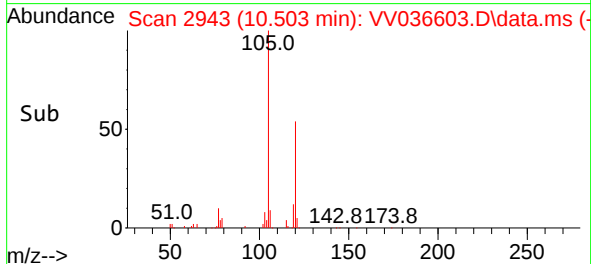
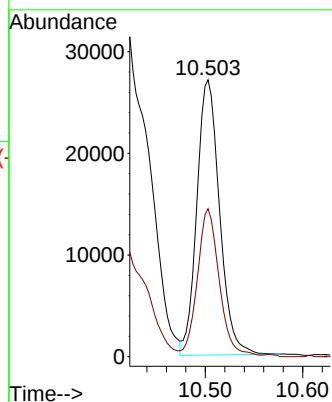
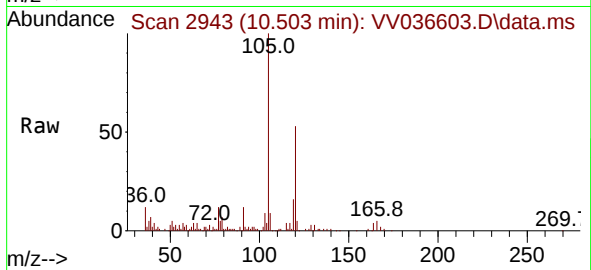
#62
1,3,5-Trimethylbenzene
Concen: 3.412 ug/L
RT: 10.503 min Scan# 2934
Delta R.T. 0.029 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Instrument :
MSVOA_V
ClientSampleId :
BHB27

Tgt Ion:105 Resp: 4385
Ion Ratio Lower Upper
105 100
120 51.9 39.9 59.9

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 07/19/2024
Supervised By :Mahesh Dadoda 07/22/2024



#63
1,2,4-Trimethylbenzene
Concen: 8.694 ug/L
RT: 10.873 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VV036603.D
Acq: 18 Jul 2024 15:36

Tgt Ion:105 Resp: 121596
Ion Ratio Lower Upper
105 100
120 46.9 37.0 55.4

