

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091924\
 Data File : VV037412.D
 Acq On : 20 Sep 2024 03:55
 Operator : SY/MD
 Sample : P3994-11
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0B50

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/20/2024
 Supervised By :Mahesh Dadoda 09/23/2024

Quant Time: Sep 20 05:12:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 20 03:11:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	299626	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	317427	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	149283	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	61086	3.475	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.600%
7) Chloroethane-d5	1.529	69	77888	4.250	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.053	65	35865	3.951	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.000%
20) 2-Butanone-d5	3.793	46	293140	55.800	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.600%
24) Chloroform-d	4.243	84	213940	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	4.940	65	98609	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.953	84	376524	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	5.989	67	130463	4.929	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.239	98	306970	4.003	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.000%
43) trans-1,3-Dichloroprop...	7.561	79	28654	3.291	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.800%
46) 2-Hexanone-d5	8.024	63	228698	53.766	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.540%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	111562	5.172	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	132372	4.988	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.800%
Target Compounds						
5) Vinyl chloride	1.278	62	43220	1.481	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	74540	3.390	ug/L	99
12) 1,1-Dichloroethene	2.063	96	627395	29.880	ug/L #	77
17) Methyl tert-butyl Ether	2.703	73	16883	0.338	ug/L	92
18) trans-1,2-Dichloroethene	2.690	96	87276	3.951	ug/L	93
19) 1,1-Dichloroethane	3.105	63	386325	9.158	ug/L	99
22) cis-1,2-Dichloroethene	3.802	96	4090841	171.292	ug/L	99
25) Chloroform	4.268	83	220685	5.193	ug/L	98
29) 1,1,1-Trichloroethane	4.506	97	8513	0.226	ug/L #	88
31) Carbon tetrachloride	4.735	117	9823	0.307	ug/L	94
33) Benzene	5.011	78	29440	0.308	ug/L	100
34) Trichloroethene	5.818	95	35490452m	1377.047	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	17296	0.993	ug/L	96
47) Tetrachloroethene	7.899	164	1034354	56.074	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	33347	0.688	ug/L	93
67) 1,2-Dichlorobenzene	11.574	146	153398	3.503	ug/L	99

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

Instrument :

MSVOA_V

ClientSampleId :

C0B50

Manual Integrations

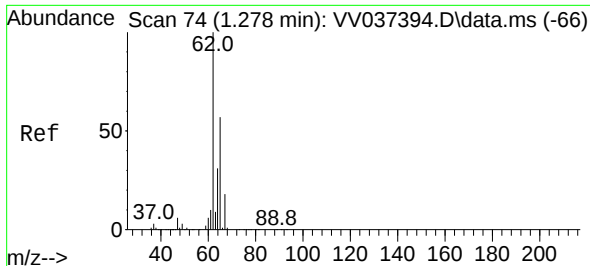
APPROVED

Reviewed By :Semsettin Yesilyurt 09/20/2024

Supervised By :Mahesh Dadoda 09/23/2024

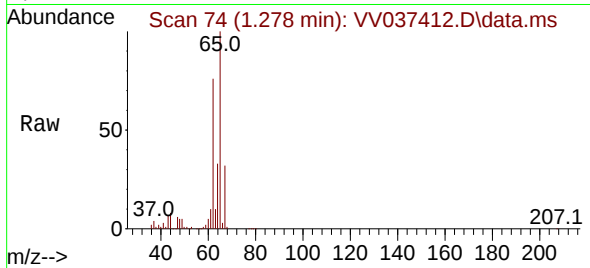
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024

Page: 3



#5
 Vinyl chloride
 Concen: 1.481 ug/L
 RT: 1.278 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: VV037412.D
 Acq: 20 Sep 2024 03:55

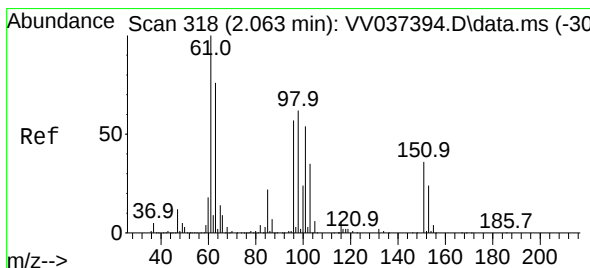
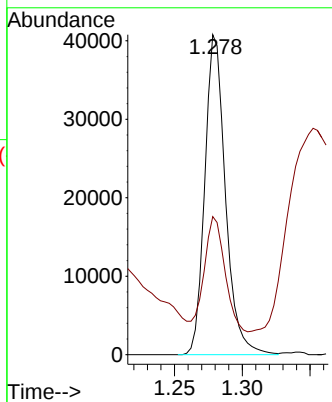
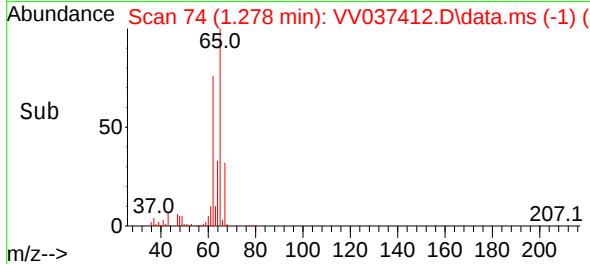
Instrument :
 MSVOA_V
 ClientSampleId :
 C0B50



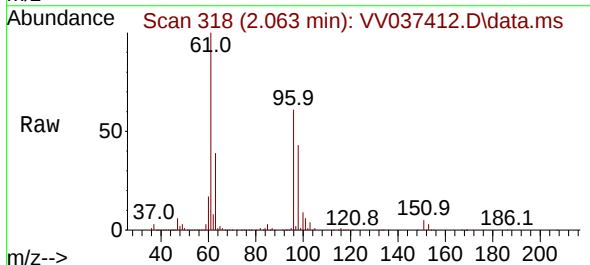
Tgt Ion: 62 Resp: 43220
 Ion Ratio Lower Upper
 62 100
 64 43.2 22.4 41.6

Manual Integrations
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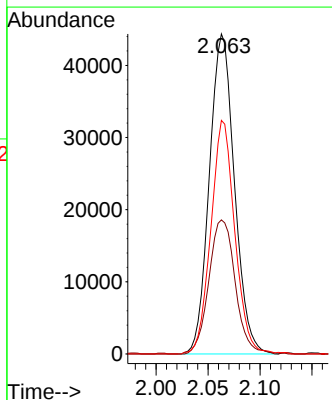
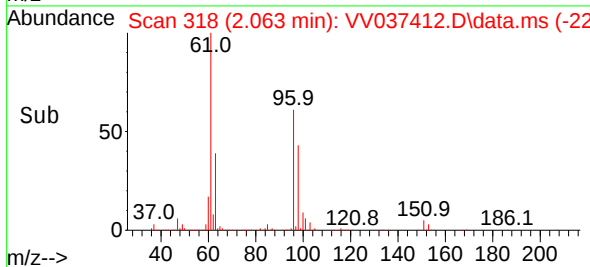
Reviewed By :Semsettin Yesilyurt 09/20/2024
 Supervised By :Mahesh Dadoda 09/23/2024

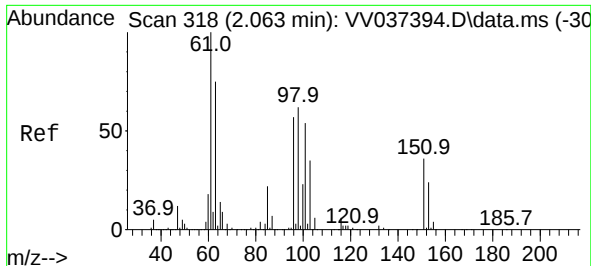


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.390 ug/L
 RT: 2.063 min Scan# 318
 Delta R.T. -0.000 min
 Lab File: VV037412.D
 Acq: 20 Sep 2024 03:55



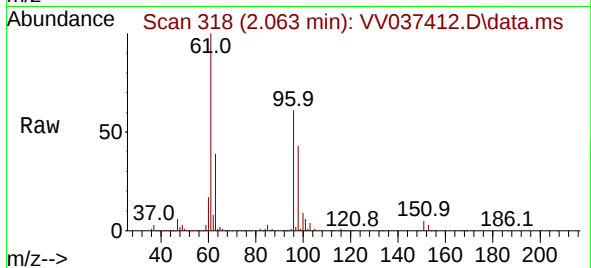
Tgt Ion:101 Resp: 74540
 Ion Ratio Lower Upper
 101 100
 85 43.9 35.1 52.7
 151 69.8 55.3 82.9





#12
1,1-Dichloroethene
Concen: 29.880 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

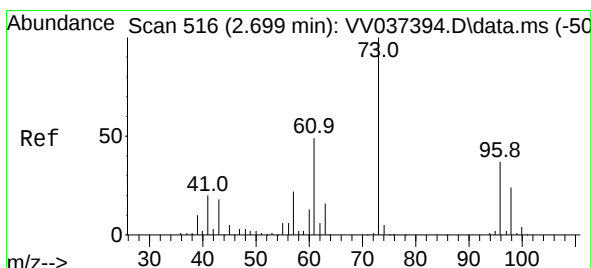
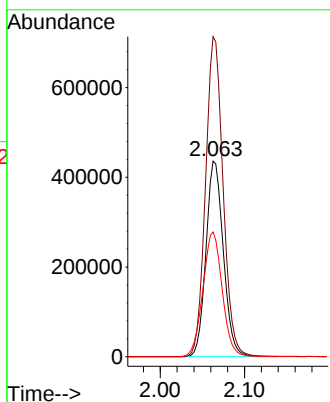
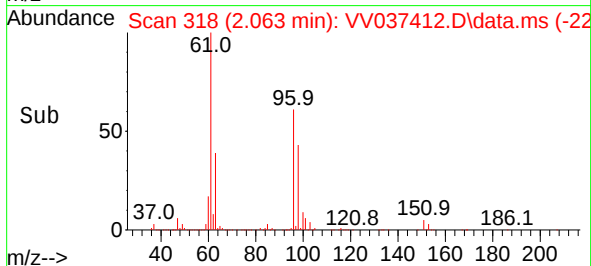
Instrument :
MSVOA_V
ClientSampleId :
C0B50



Tgt Ion: 96 Resp: 627394
Ion Ratio Lower Upper
96 100
61 163.6 119.9 222.7
63 63.9 81.4 151.2

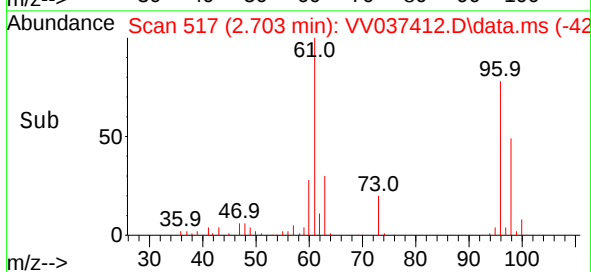
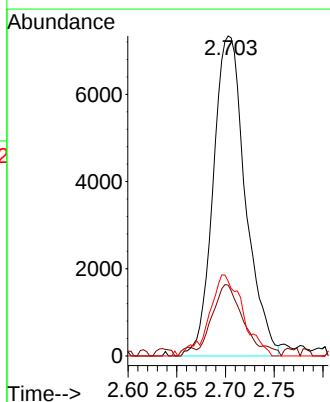
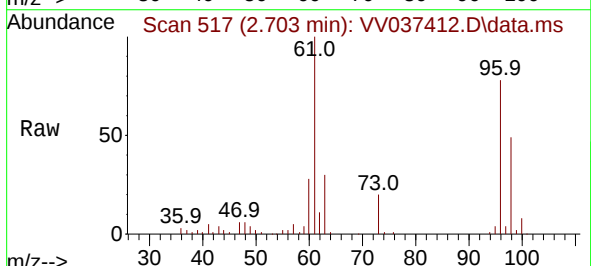
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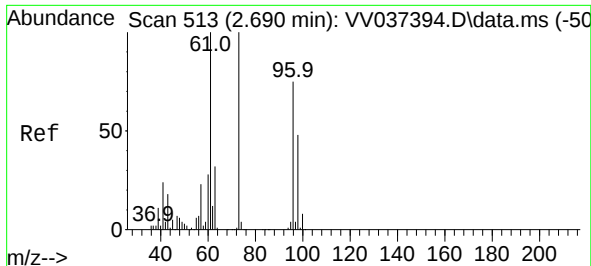
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024



#17
Methyl tert-butyl Ether
Concen: 0.338 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

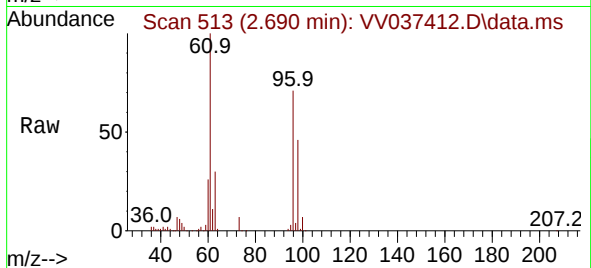
Tgt Ion: 73 Resp: 16883
Ion Ratio Lower Upper
73 100
43 21.6 14.5 21.7
57 26.2 17.7 26.5





#18
trans-1,2-Dichloroethene
Concen: 3.951 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

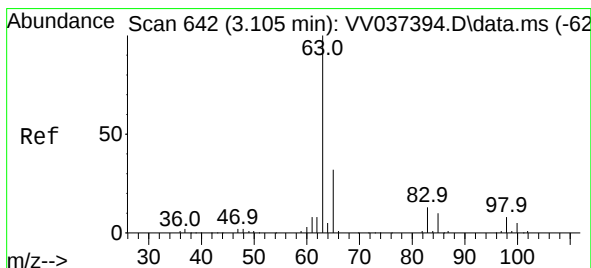
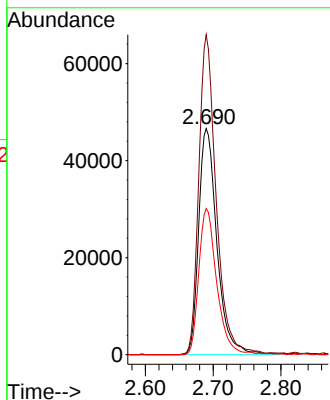
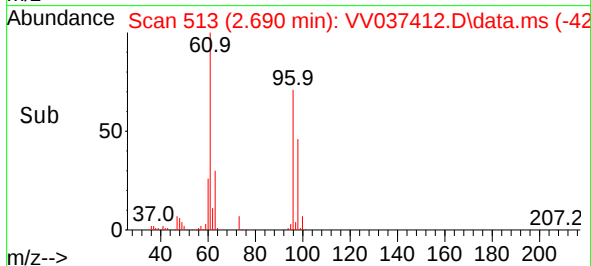
Instrument :
MSVOA_V
ClientSampleId :
C0B50



Tgt Ion: 96 Resp: 87270
Ion Ratio Lower Upper
96 100
61 141.6 92.8 172.4
98 64.6 43.0 79.8

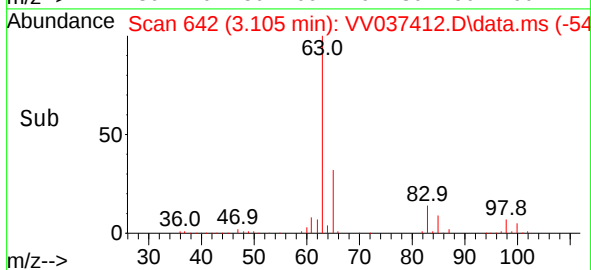
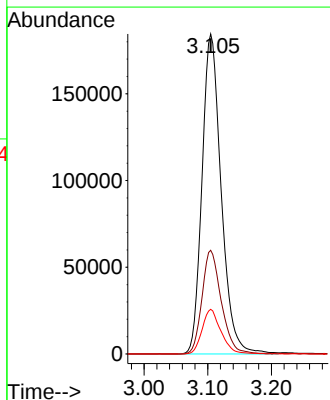
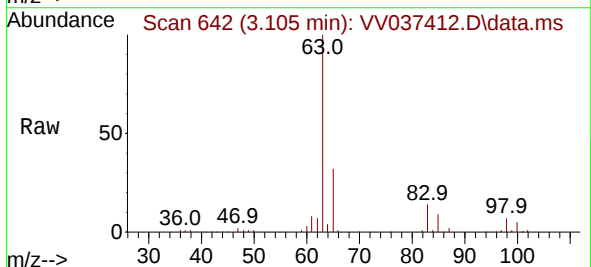
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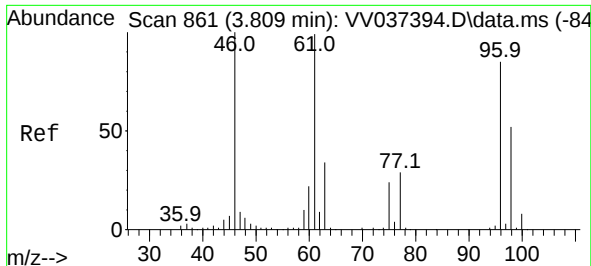
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024



#19
1,1-Dichloroethane
Concen: 9.158 ug/L
RT: 3.105 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt Ion: 63 Resp: 386325
Ion Ratio Lower Upper
63 100
65 32.4 22.5 41.7
83 13.9 8.9 16.5





#22

cis-1,2-Dichloroethene

Concen: 171.292 ug/L

RT: 3.802 min Scan# 861

Delta R.T. -0.006 min

Lab File: VV037412.D

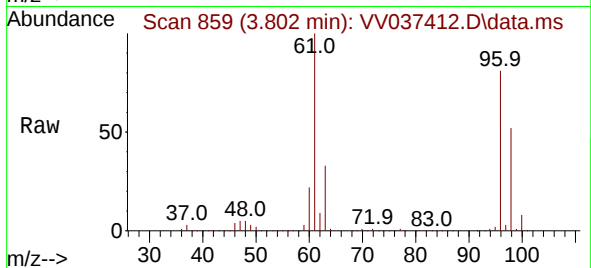
Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

C0B50



Tgt Ion: 96 Resp: 409084

Ion Ratio Lower Upper

96 100

61 123.4 87.6 162.6

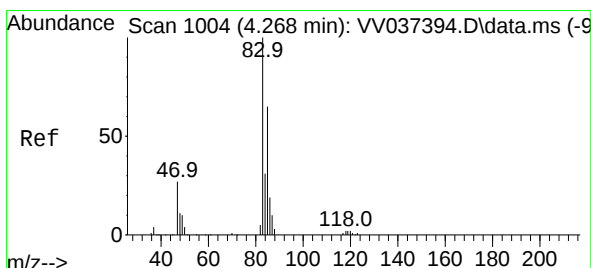
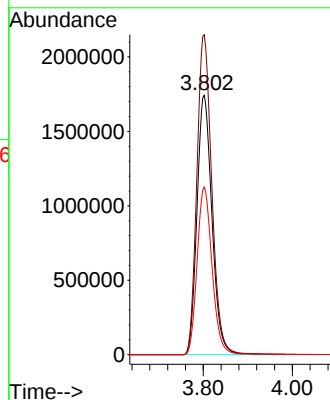
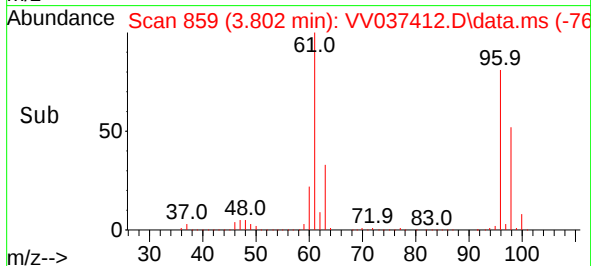
98 64.6 44.9 83.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/20/2024

Supervised By :Mahesh Dadoda 09/23/2024



#25

Chloroform

Concen: 5.193 ug/L

RT: 4.268 min Scan# 1004

Delta R.T. -0.000 min

Lab File: VV037412.D

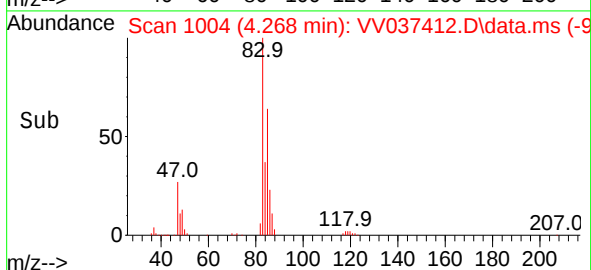
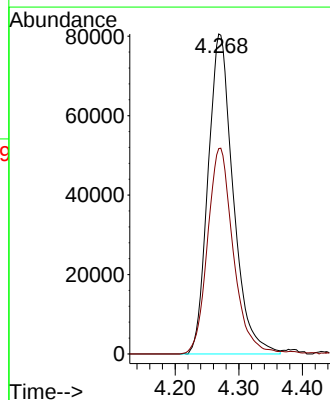
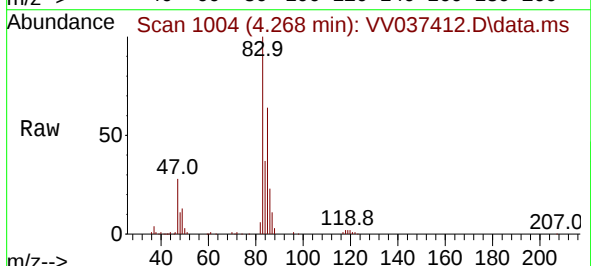
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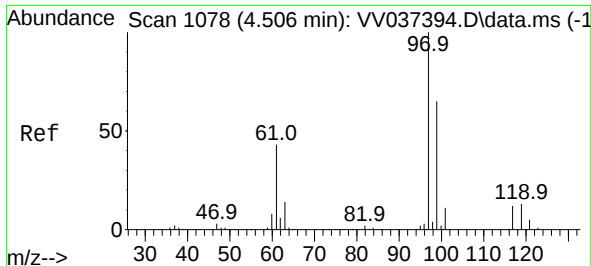
Tgt Ion: 83 Resp: 220685

Ion Ratio Lower Upper

83 100

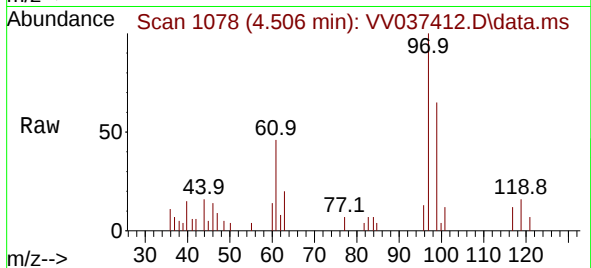
85 64.2 43.8 81.4





#29
1,1,1-Trichloroethane
Concen: 0.226 ug/L
RT: 4.506 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

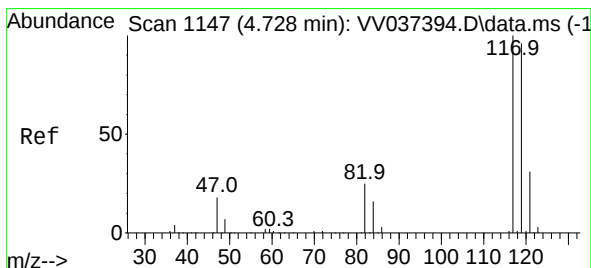
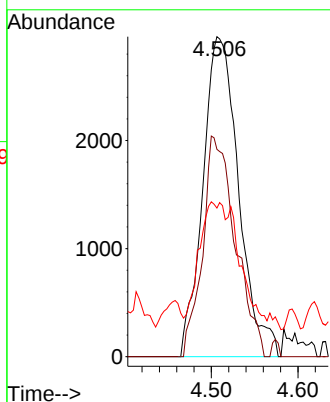
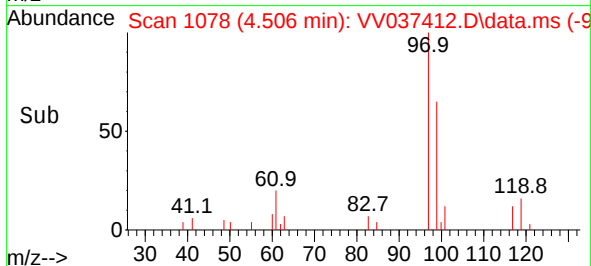
Instrument :
MSVOA_V
ClientSampleId :
C0B50



Tgt Ion: 97 Resp: 851
Ion Ratio Lower Upper
97 100
99 63.0 50.0 75.0
61 24.7 34.3 51.5

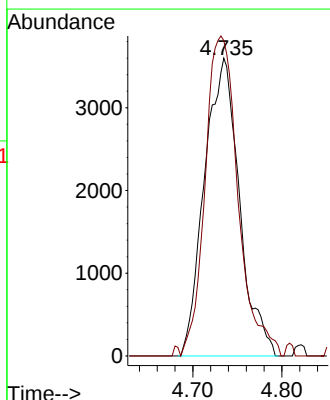
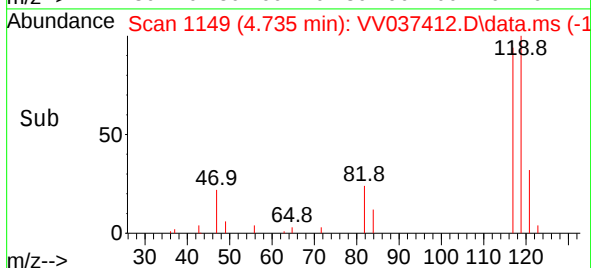
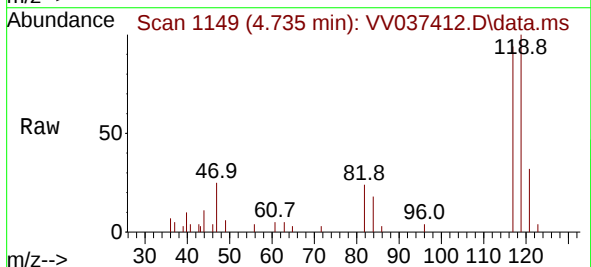
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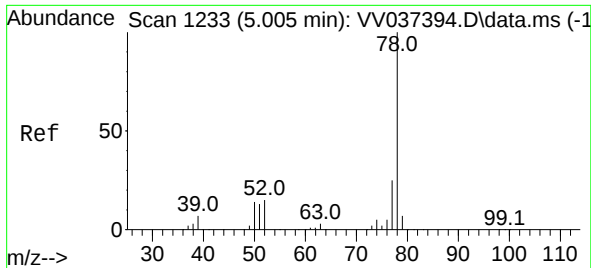
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024



#31
Carbon tetrachloride
Concen: 0.307 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt Ion:117 Resp: 9823
Ion Ratio Lower Upper
117 100
119 101.2 76.2 114.4





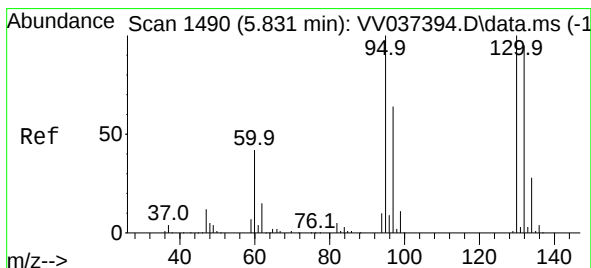
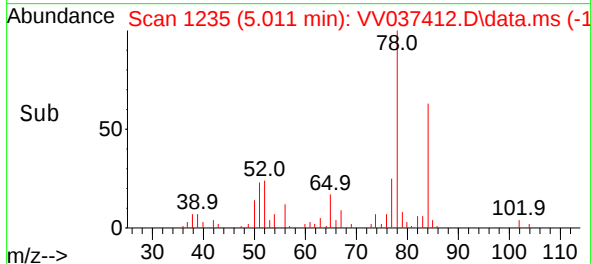
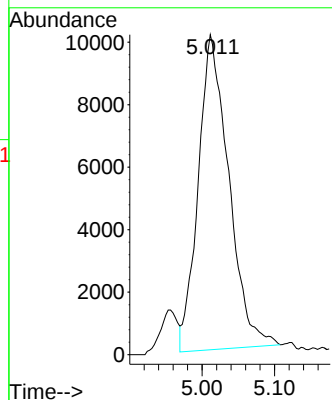
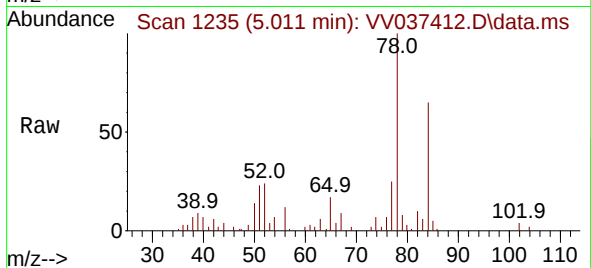
#33
Benzene
Concen: 0.308 ug/L
RT: 5.011 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Instrument :
MSVOA_V
ClientSampleId :
C0B50

Tgt Ion: 78 Resp: 29440

Manual Integrations
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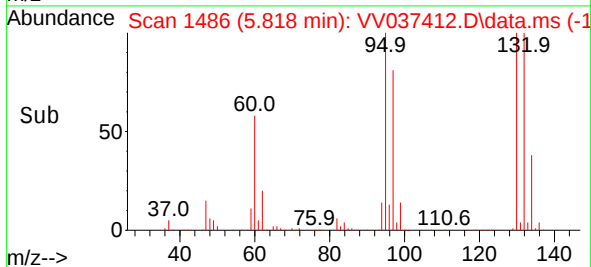
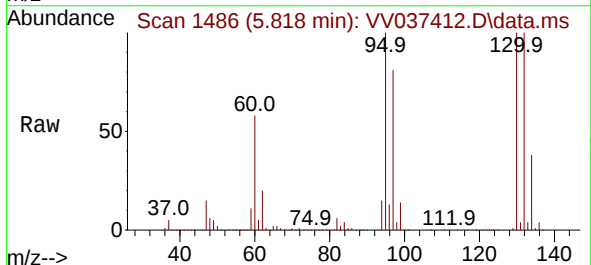
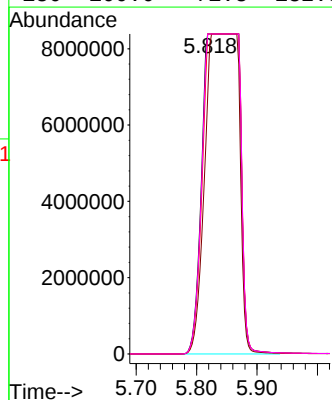
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024

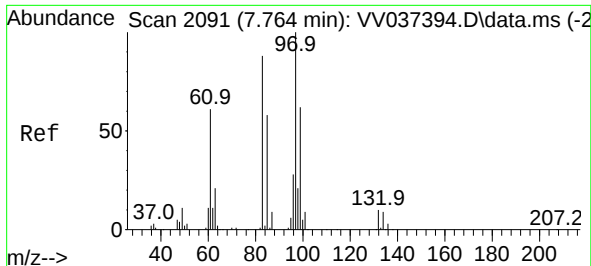


#34
Trichloroethene
Concen: 1377.047 ug/L m
RT: 5.818 min Scan# 1486
Delta R.T. -0.013 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

Tgt Ion: 95 Resp:35490452

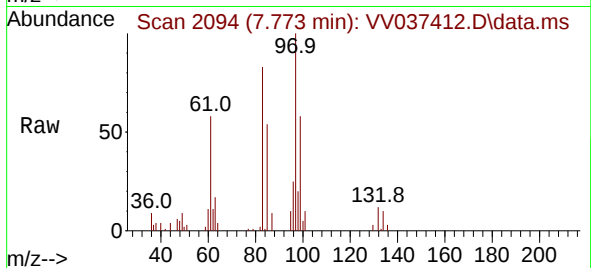
Ion	Ratio	Lower	Upper
95	100		
97	80.7	46.5	86.5
132	100.0	65.5	121.7
130	100.0	71.3	132.3





#45
1,1,2-Trichloroethane
Concen: 0.993 ug/L
RT: 7.773 min Scan# 2091
Delta R.T. 0.010 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55

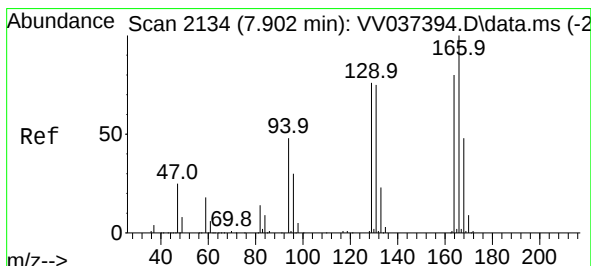
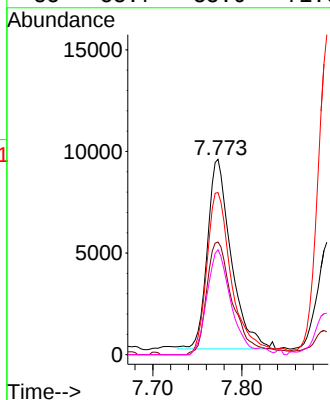
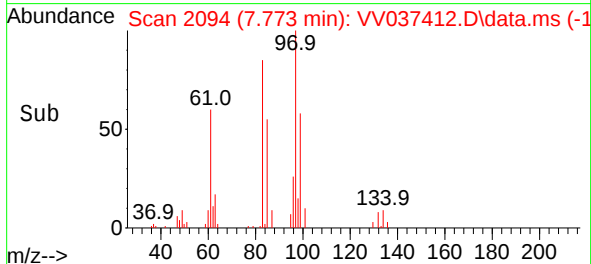
Instrument :
MSVOA_V
ClientSampleId :
C0B50



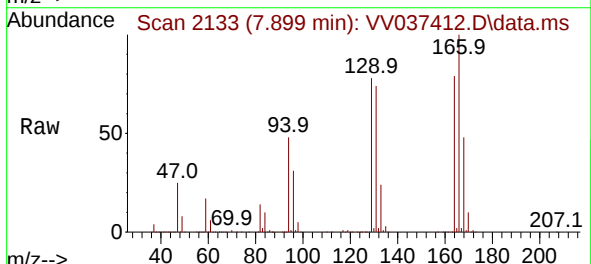
Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.7	43.1	80.1
83	82.9	61.0	113.4
85	53.7	38.6	71.6

Manual Integrations
APPROVED

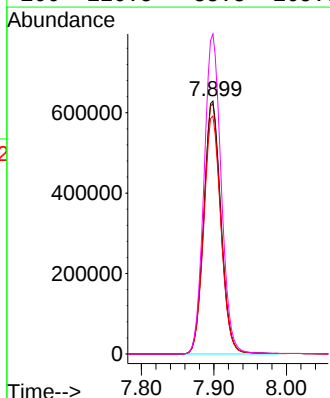
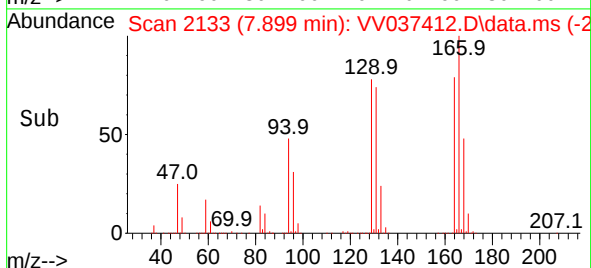
Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024

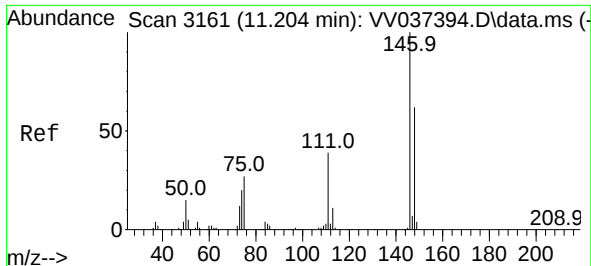


#47
Tetrachloroethene
Concen: 56.074 ug/L
RT: 7.899 min Scan# 2133
Delta R.T. -0.003 min
Lab File: VV037412.D
Acq: 20 Sep 2024 03:55



Tgt Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.2	128.4
131	94.1	66.6	123.8
166	126.5	88.8	165.0





#65

1,4-Dichlorobenzene

Concen: 0.688 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Instrument :

MSVOA_V

ClientSampleId :

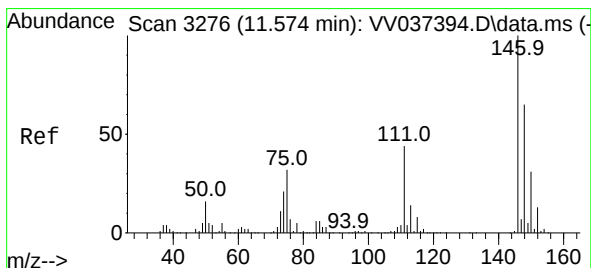
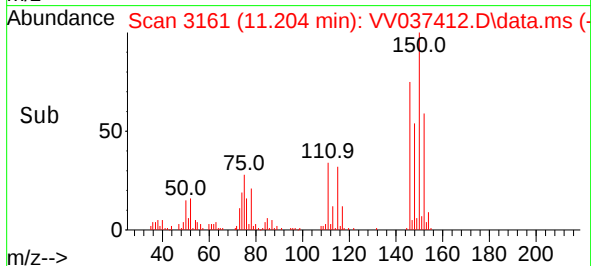
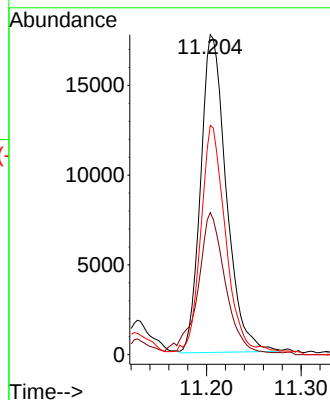
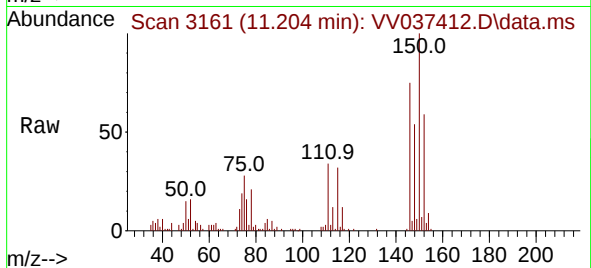
C0B50

Tgt Ion:	146	Resp:	3334
Ion Ratio	Lower	Upper	
146	100		
111	44.4	28.2	52.4
148	71.7	45.8	85.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/20/2024
Supervised By :Mahesh Dadoda 09/23/2024



#67

1,2-Dichlorobenzene

Concen: 3.503 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. -0.000 min

Lab File: VV037412.D

Acq: 20 Sep 2024 03:55

Tgt Ion:	146	Resp:	153398
Ion Ratio	Lower	Upper	
146	100		
111	43.4	34.4	51.6
148	63.6	51.8	77.6

