

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092624\
 Data File : VV037580.D
 Acq On : 27 Sep 2024 03:41
 Operator : SY/MD
 Sample : P4185-04
 Misc : 5mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EY078

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

Quant Time: Sep 27 05:58:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 27 02:22:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	687774	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	648947	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	360275	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	396847m	65.730	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	131.460%
7) Chloroethane-d5	1.532	69	199893	42.654	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.300%
11) 1,1-Dichloroethene-d2	2.059	65	108294	42.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.860%
21) 2-Butanone-d5	3.789	46	196206	91.239	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.240%
24) Chloroform-d	4.243	84	456579	42.506	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.020%
26) 1,2-Dichloroethane-d4	4.937	65	276638	43.999	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.000%
32) Benzene-d6	4.953	84	910570	44.841	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.680%
36) 1,2-Dichloropropane-d6	5.982	67	296509	45.855	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.700%
41) Toluene-d8	7.236	98	823872	44.743	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.480%
43) trans-1,3-Dichloroprop...	7.548	79	130124	43.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.640%
47) 2-Hexanone-d5	8.024	63	130903	95.870	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.870%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	332962	44.316	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.640%
66) 1,2-Dichlorobenzene-d4	11.554	152	343218	45.210	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.420%
Target Compounds						
5) Vinyl chloride	1.278	62	12456659m	2044.073	ug/L	
8) Chloroethane	1.548	64	107975	28.747	ug/L	99
12) 1,1-Dichloroethene	2.069	96	158376	34.589	ug/L	98
13) Acetone	2.114	43	9973	4.731	ug/L	98
15) Methyl Acetate	2.371	43	8961	2.436	ug/L	93
16) Methylene chloride	2.442	84	23020	4.440	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	445741	92.019	ug/L	99
19) 1,1-Dichloroethane	3.088	63	31433248m	3386.862	ug/L	
20) cis-1,2-Dichloroethene	3.805	96	6106101	1126.445	ug/L	99
22) 2-Butanone	3.886	43	45858	19.653	ug/L	82
27) 1,2-Dichloroethane	5.040	62	64658	9.531	ug/L	99
29) Cyclohexane	4.574	56	31336	4.253	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	524281	65.596	ug/L	99
33) Benzene	5.005	78	223721	11.431	ug/L	100
34) Trichloroethene	5.837	95	12993	2.493	ug/L	96
35) Methylcyclohexane	6.043	83	65871	8.215	ug/L	95
42) Toluene	7.307	91	6852085	337.714	ug/L	99
46) Tetrachloroethene	7.905	164	10902	2.736	ug/L	90
52) Ethylbenzene	8.940	91	3970946	173.867	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.066	106	3034903	357.048	ug/L	99
54) o-Xylene	9.471	106	3150645	379.667	ug/L	95
60) Isopropylbenzene	9.860	105	585323	24.989	ug/L	100
62) 1,3,5-Trimethylbenzene	10.468	105	2427451	131.084	ug/L	99
63) 1,2,4-Trimethylbenzene	10.844	105	14009328	760.336	ug/L	93
67) 1,2-Dichlorobenzene	11.574	146	43829	3.933	ug/L	98

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

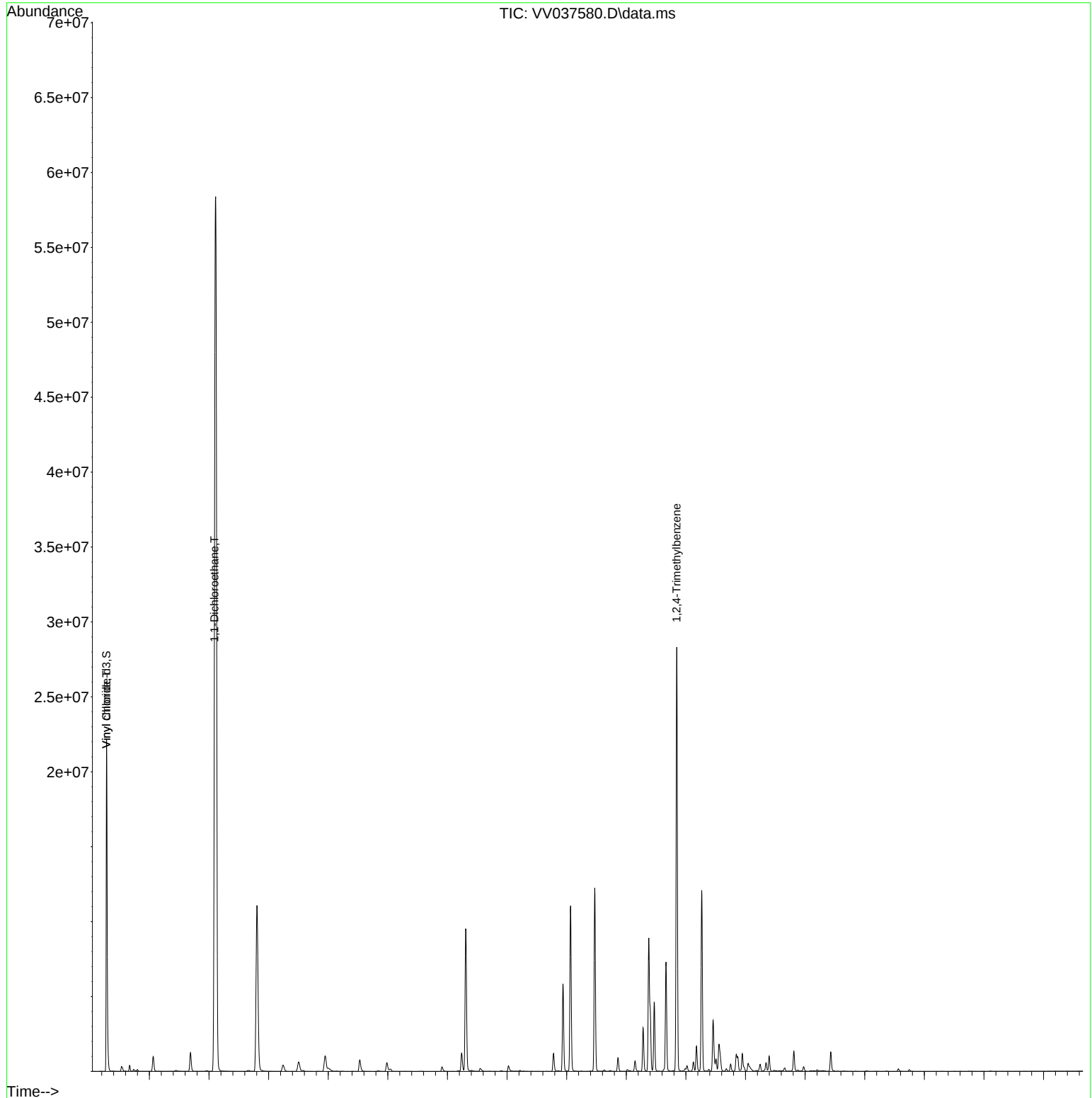
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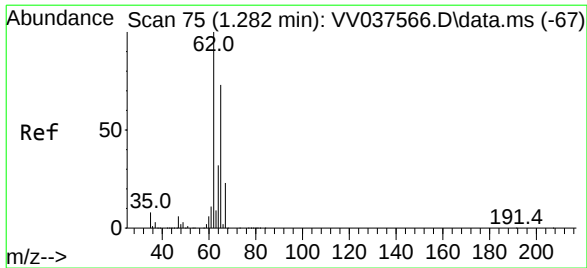
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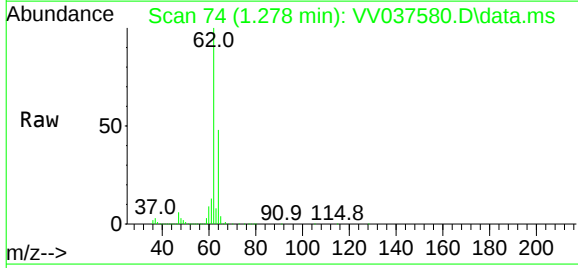
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 27 02:22:28 2024
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#5
 Vinyl chloride
 Concen: 2044.073 ug/L m
 RT: 1.278 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV037580.D
 Acq: 27 Sep 2024 03:41

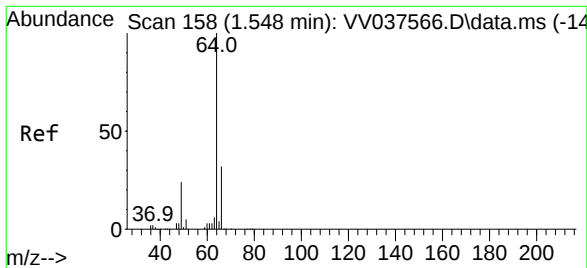
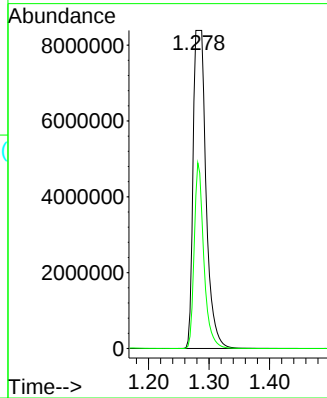
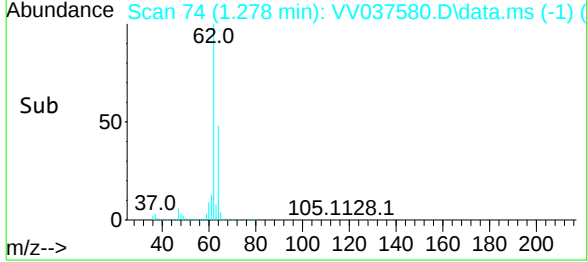
Instrument :
 MSVOA_V
 ClientSampleId :
 EY078



Tgt Ion: 62 Resp: 12456659
 Ion Ratio Lower Upper
 62 100
 64 48.1 23.2 43.0#

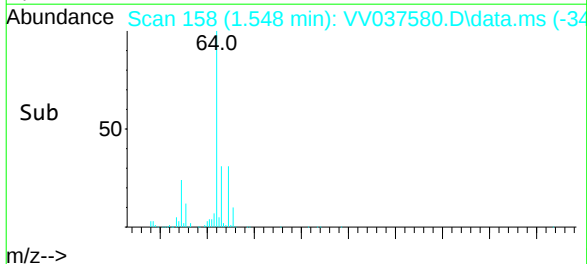
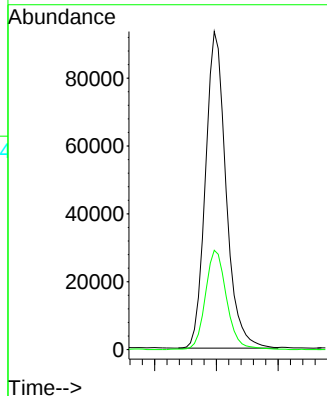
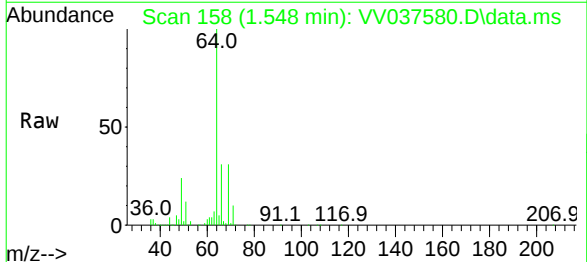
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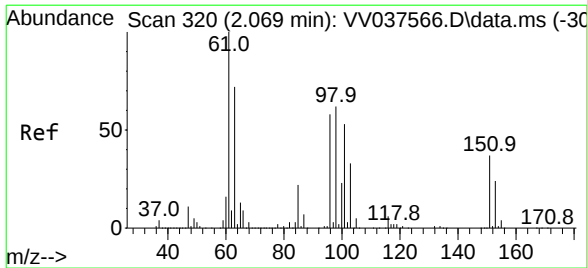
Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024



#8
 Chloroethane
 Concen: 28.747 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VV037580.D
 Acq: 27 Sep 2024 03:41

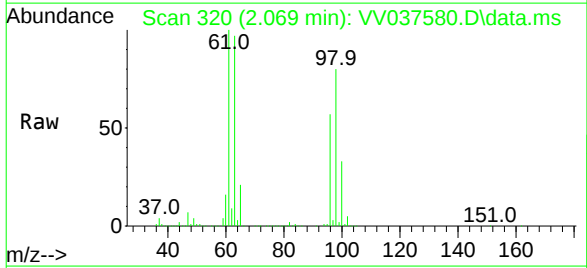
Tgt Ion: 64 Resp: 107975
 Ion Ratio Lower Upper
 64 100
 66 31.2 22.2 41.2





#12
1,1-Dichloroethene
Concen: 34.589 ug/L
RT: 2.069 min Scan# 320
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

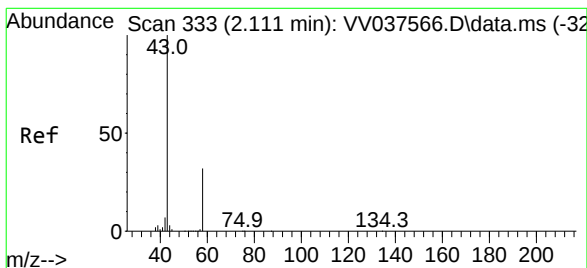
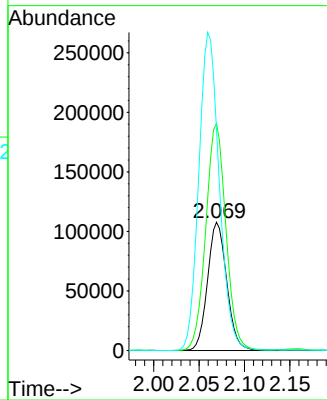
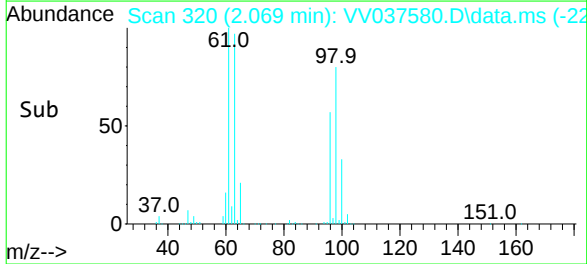
Instrument :
MSVOA_V
ClientSampleId :
EY078



Tgt Ion: 96 Resp: 158376
Ion Ratio Lower Upper
96 100
61 176.9 122.6 227.6
63 172.2 118.0 219.2

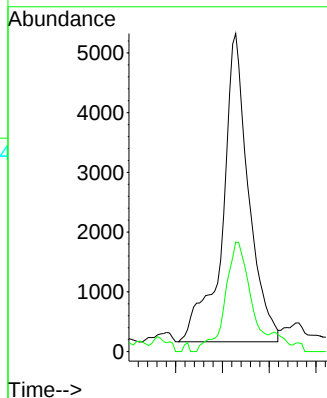
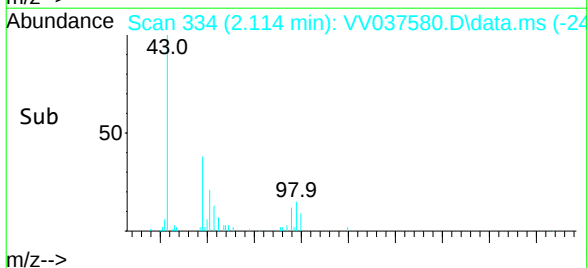
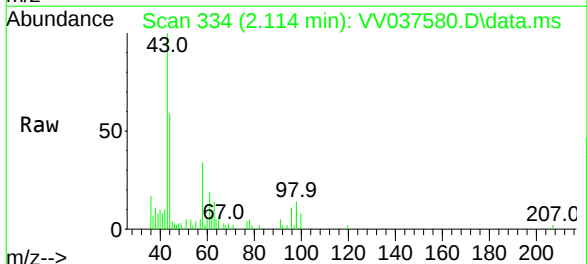
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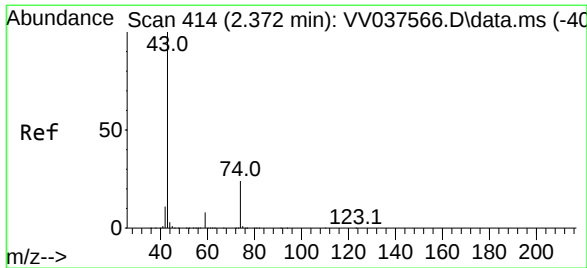
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#13
Acetone
Concen: 4.731 ug/L
RT: 2.114 min Scan# 334
Delta R.T. 0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Tgt Ion: 43 Resp: 9973
Ion Ratio Lower Upper
43 100
58 34.4 0.0 66.6





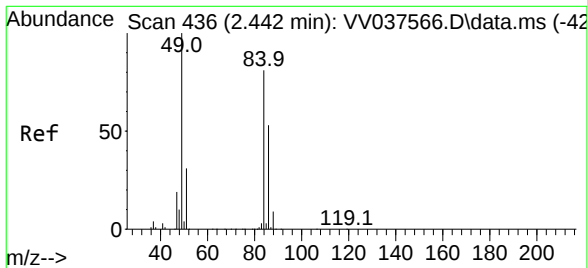
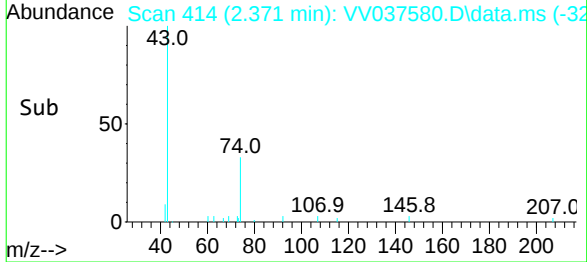
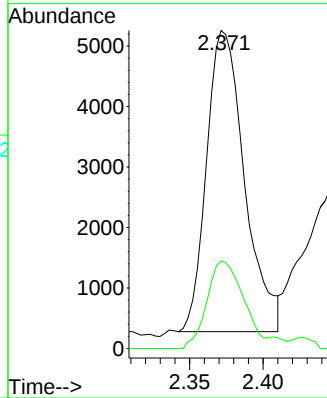
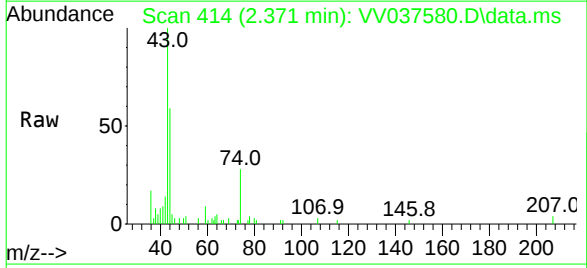
#15
Methyl Acetate
Concen: 2.436 ug/L
RT: 2.371 min Scan# 414
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Instrument :
MSVOA_V
ClientSampleId :
EY078

Tgt Ion: 43 Resp: 8961
Ion Ratio Lower Upper
43 100
74 27.7 19.4 29.0

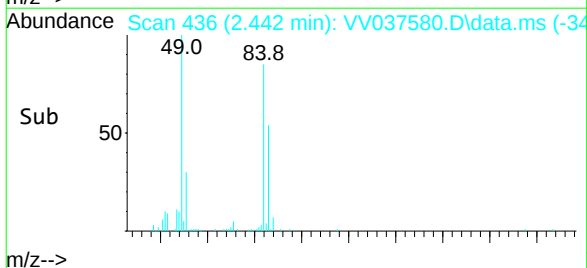
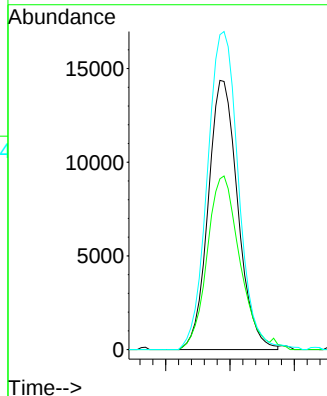
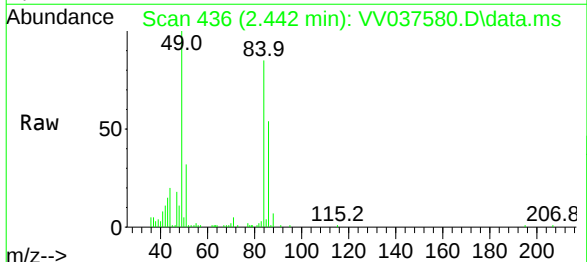
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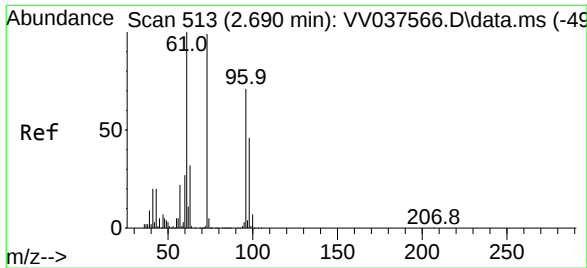
Reviewed By :Semsettin Yesilyurt 09/30/2024
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#16
Methylene chloride
Concen: 4.440 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Tgt Ion: 84 Resp: 23020
Ion Ratio Lower Upper
84 100
86 63.5 46.4 86.2
49 117.0 85.9 159.5





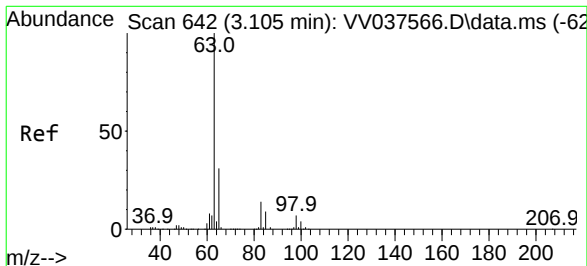
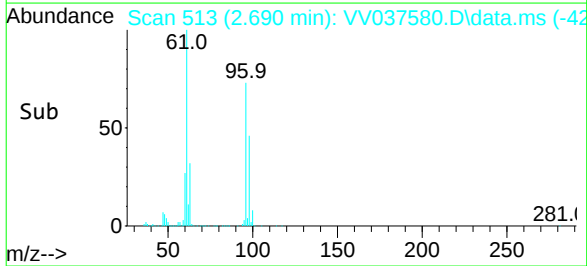
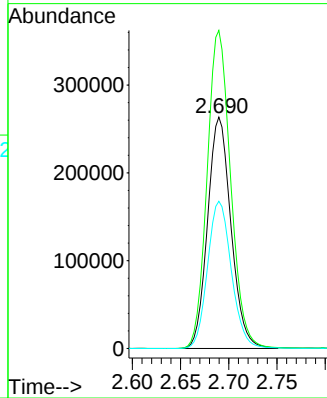
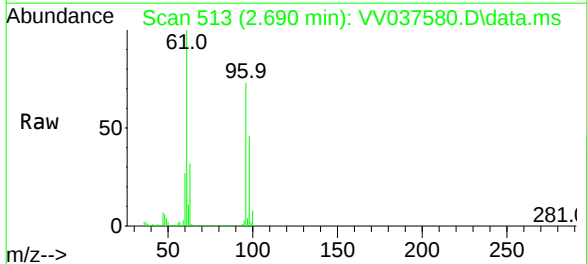
#17
trans-1,2-Dichloroethene
Concen: 92.019 ug/L
RT: 2.690 min Scan# 513
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Instrument :
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ClientSampleId :
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Tgt Ion: 96 Resp: 445741
Ion Ratio Lower Upper
96 100
61 137.5 97.3 180.7
98 63.6 43.9 81.5

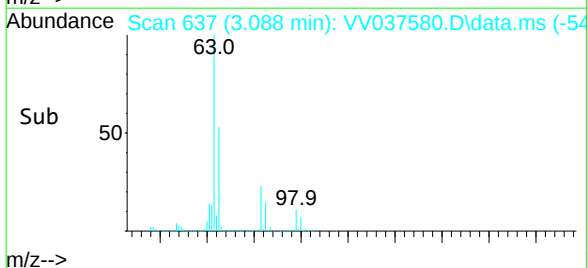
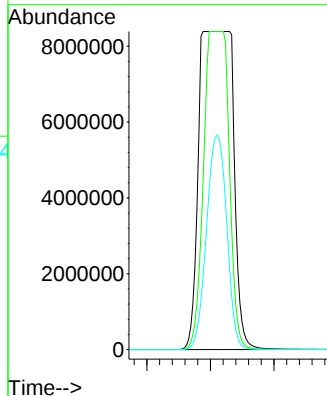
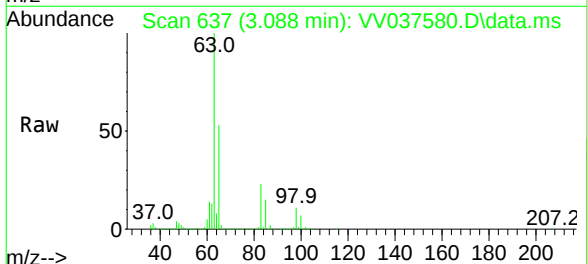
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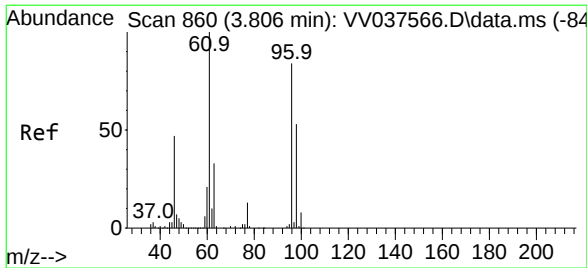
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#19
1,1-Dichloroethane
Concen: 3386.862 ug/L m
RT: 3.088 min Scan# 637
Delta R.T. -0.016 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

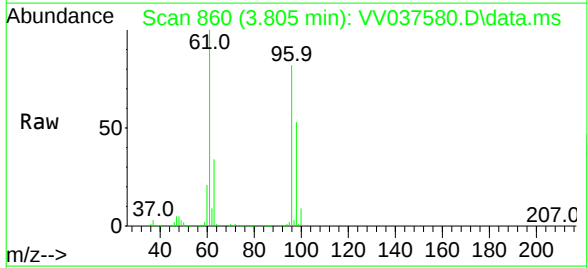
Tgt Ion: 63 Resp:31433248
Ion Ratio Lower Upper
63 100
65 52.9 22.4 41.6#
83 22.9 9.5 17.7#





#20
cis-1,2-Dichloroethene
Concen: 1126.445 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

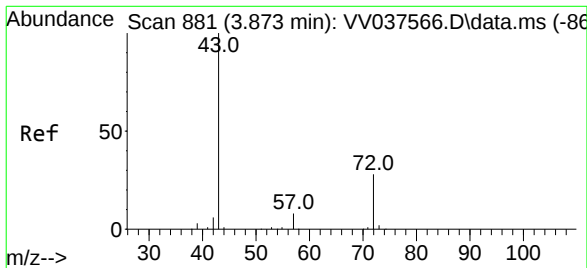
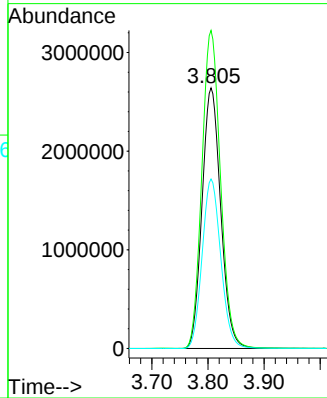
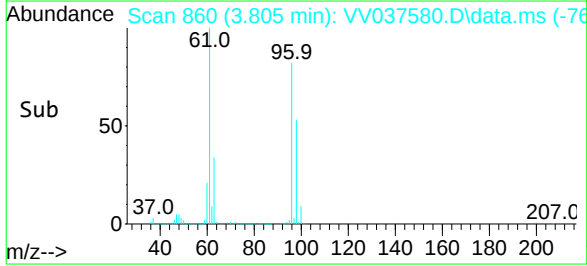
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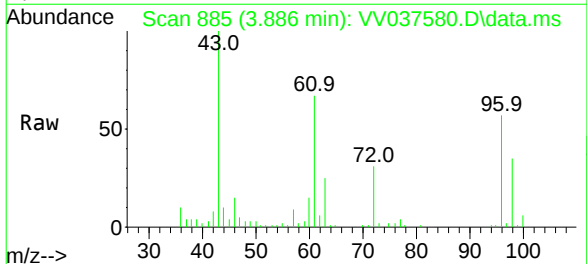
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Ion Ratio Lower Upper
96 100
61 122.0 85.0 157.8
98 65.0 44.2 82.0

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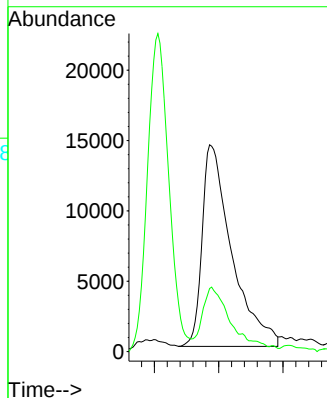
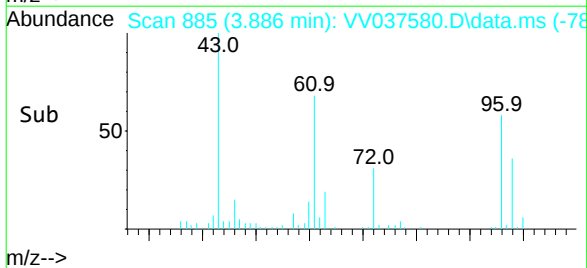
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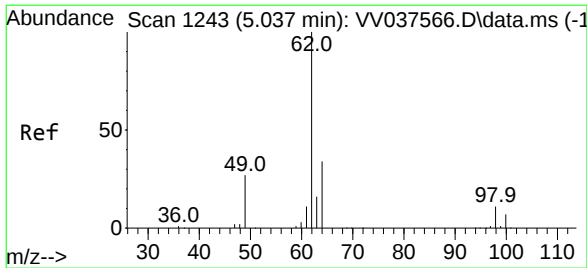


#22
2-Butanone
Concen: 19.653 ug/L
RT: 3.886 min Scan# 885
Delta R.T. 0.013 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41



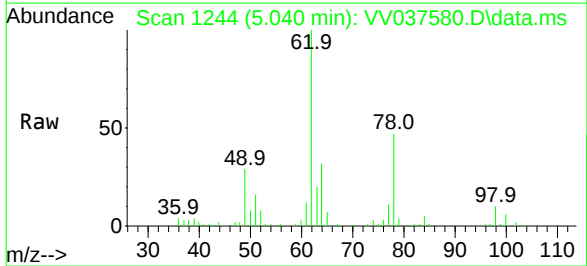
Tgt Ion: 43 Resp: 45858
Ion Ratio Lower Upper
43 100
72 19.0 14.3 42.9





#27
1,2-Dichloroethane
Concen: 9.531 ug/L
RT: 5.040 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

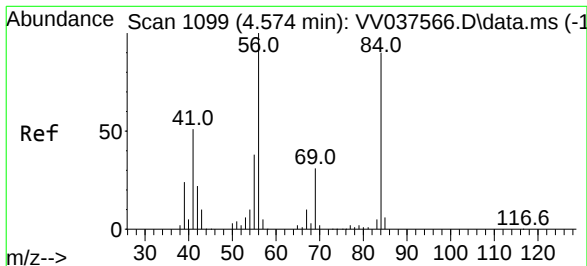
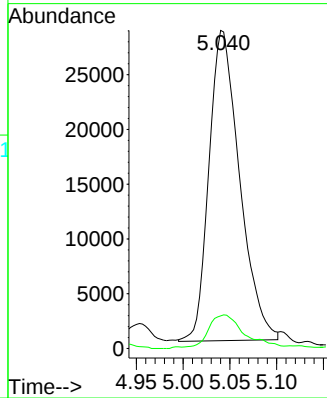
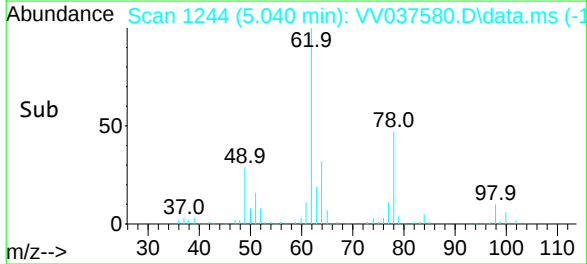
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Tgt Ion: 62 Resp: 64658
Ion Ratio Lower Upper
62 100
98 10.2 8.4 12.6

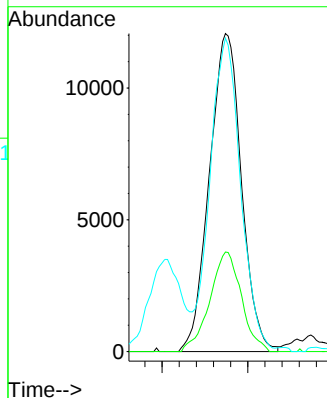
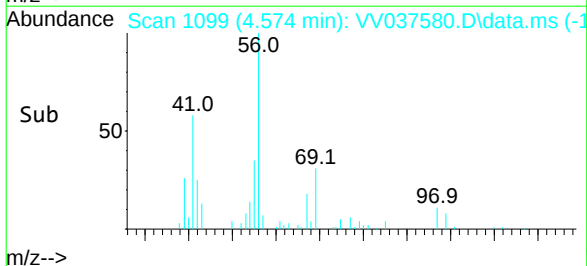
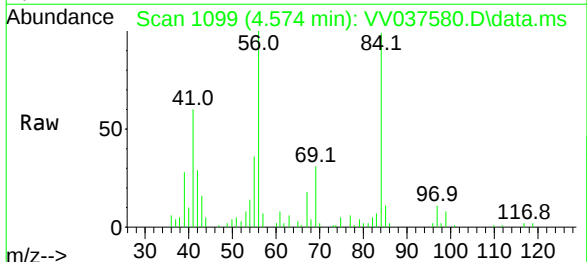
Manual Integrations
APPROVED

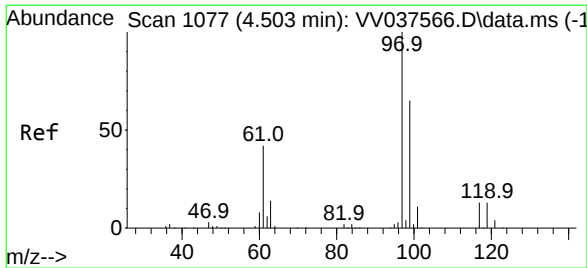
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#29
Cyclohexane
Concen: 4.253 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

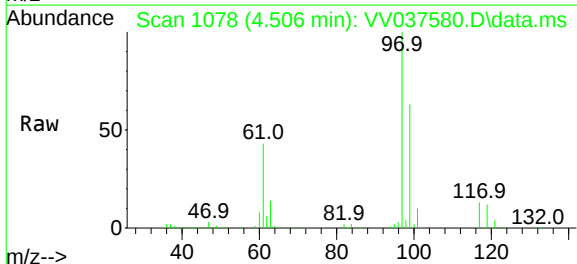
Tgt Ion: 56 Resp: 31336
Ion Ratio Lower Upper
56 100
69 30.8 24.7 37.1
84 91.6 73.4 110.0





#30
1,1,1-Trichloroethane
Concen: 65.596 ug/L
RT: 4.506 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

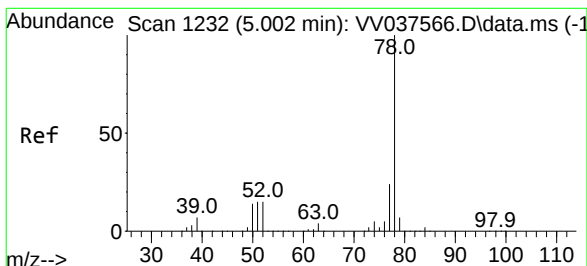
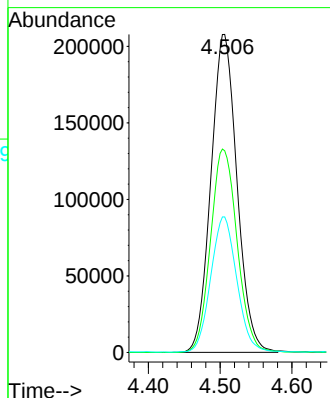
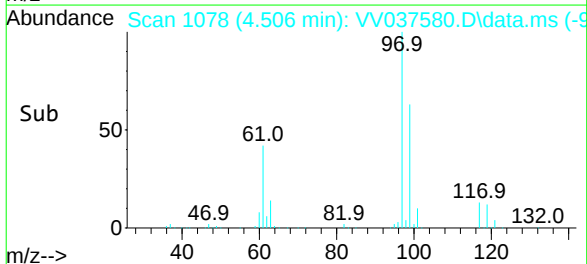
Instrument :
MSVOA_V
ClientSampleId :
EY078



Tgt Ion: 97 Resp: 524281
Ion Ratio Lower Upper
97 100
99 65.5 51.8 77.6
61 42.1 33.6 50.4

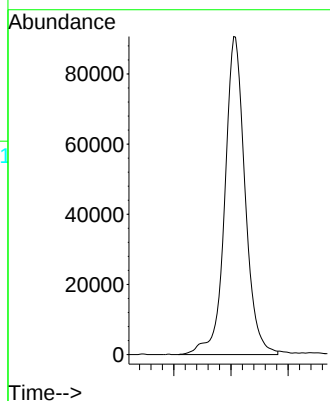
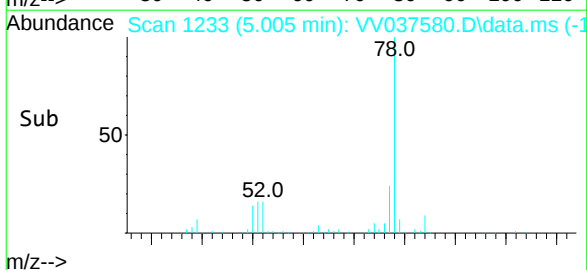
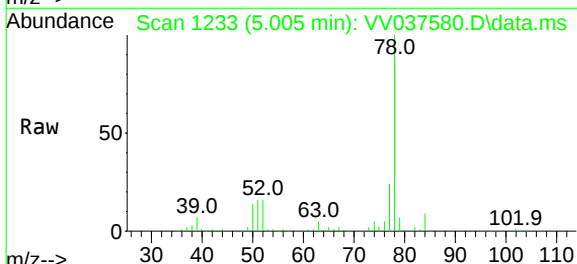
Manual Integrations
APPROVED

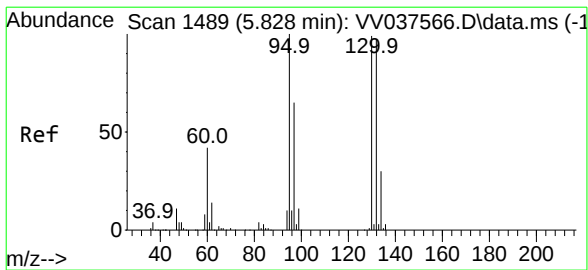
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#33
Benzene
Concen: 11.431 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. 0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Tgt Ion: 78 Resp: 223721





#34

Trichloroethene

Concen: 2.493 ug/L

RT: 5.837 min Scan# 1489

Delta R.T. 0.010 min

Lab File: VV037580.D

Acq: 27 Sep 2024 03:41

Instrument :

MSVOA_V

ClientSampleId :

EY078

Tgt Ion: 95 Resp: 12993

Ion Ratio Lower Upper

95 100

97 68.5 46.3 85.9

132 94.3 68.6 127.4

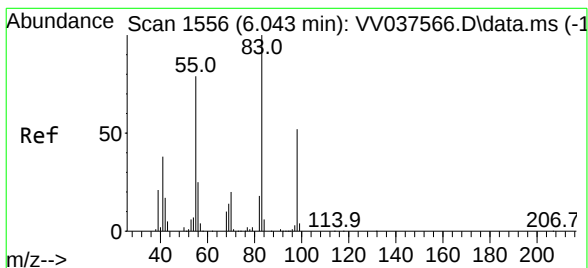
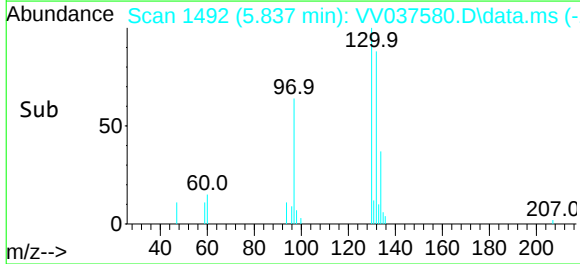
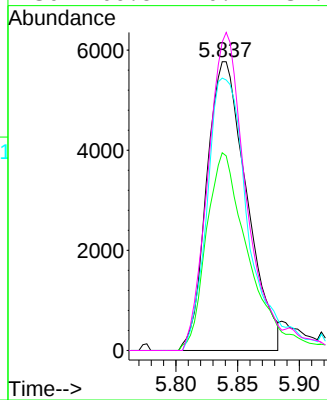
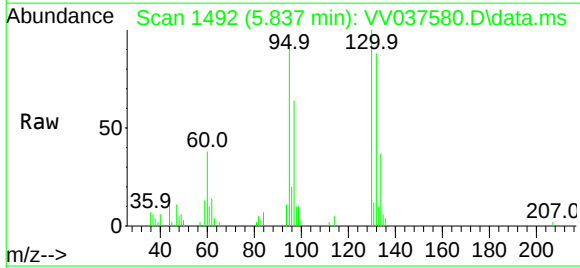
130 106.8 70.9 131.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024

Supervised By :Mahesh Dadoda 09/30/2024



#35

Methylcyclohexane

Concen: 8.215 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VV037580.D

Acq: 27 Sep 2024 03:41

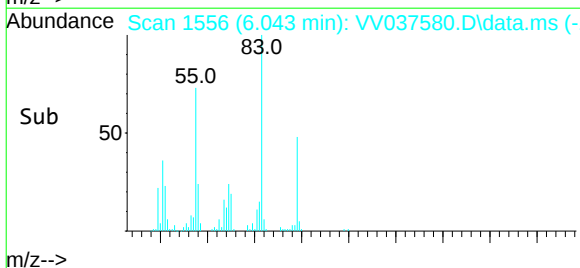
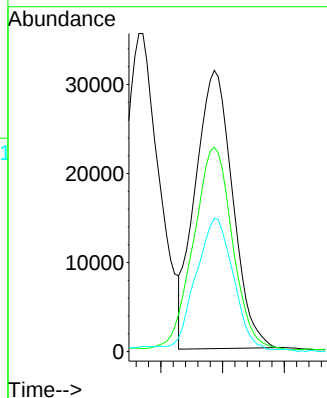
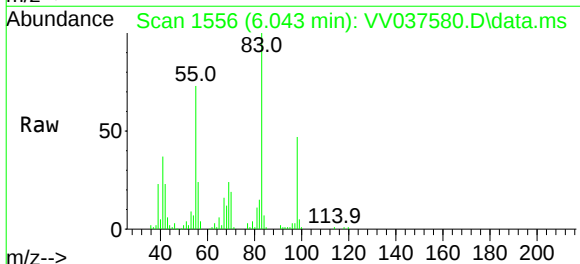
Tgt Ion: 83 Resp: 65871

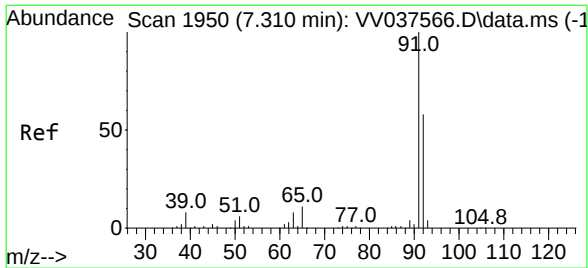
Ion Ratio Lower Upper

83 100

55 77.6 57.9 86.9

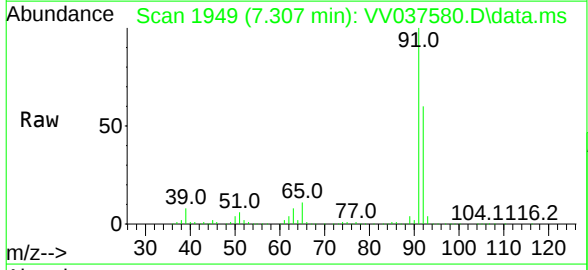
98 46.9 39.3 58.9





#42
Toluene
Concen: 337.714 ug/L
RT: 7.307 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

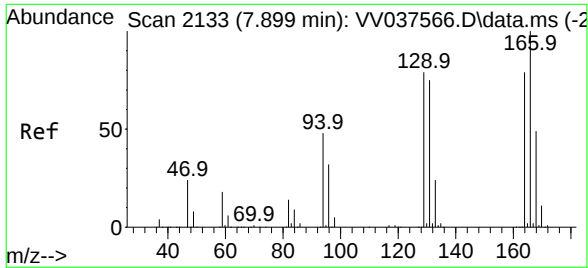
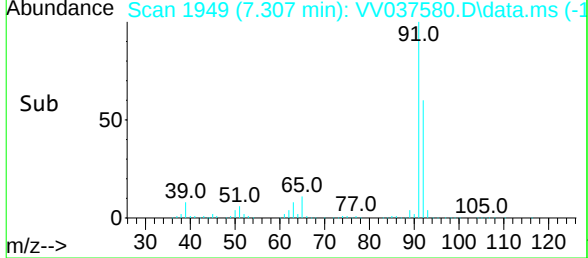
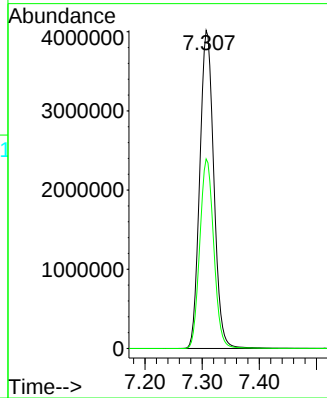
Instrument :
MSVOA_V
ClientSampleId :
EY078



Tgt Ion: 91 Resp: 6852085
Ion Ratio Lower Upper
91 100
92 59.6 41.1 76.3

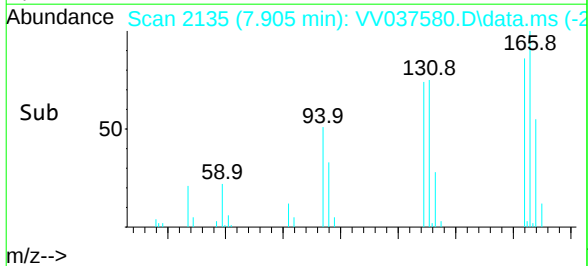
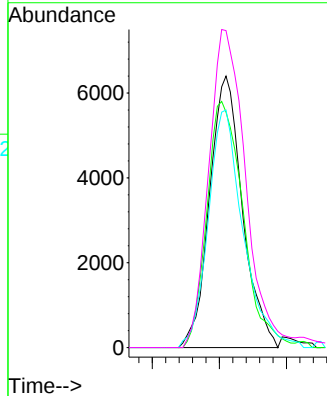
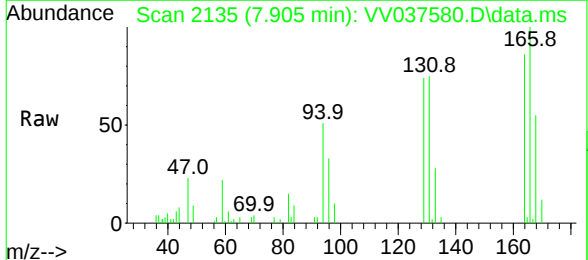
Manual Integrations
APPROVED

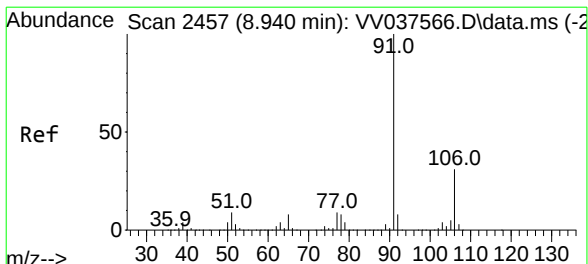
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#46
Tetrachloroethene
Concen: 2.736 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.006 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

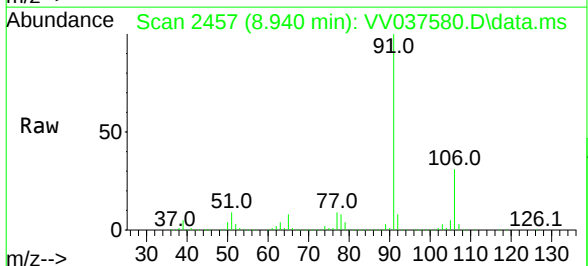
Tgt Ion:164 Resp: 10902
Ion Ratio Lower Upper
164 100
129 86.7 68.2 126.6
131 87.5 66.1 122.8
166 116.8 91.1 169.1





#52
 Ethylbenzene
 Concen: 173.867 ug/L
 RT: 8.940 min Scan# 2457
 Delta R.T. -0.000 min
 Lab File: VV037580.D
 Acq: 27 Sep 2024 03:41

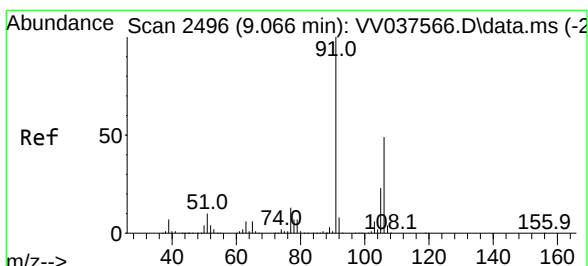
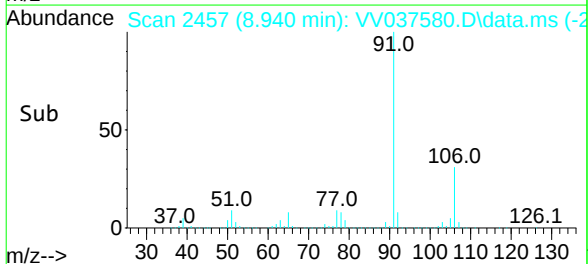
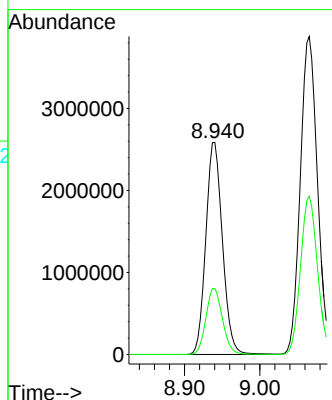
Instrument : MSVOA_V
 ClientSampleId : EY078



Tgt Ion: 91 Resp: 3970946
 Ion Ratio Lower Upper
 91 100
 106 31.2 21.9 40.7

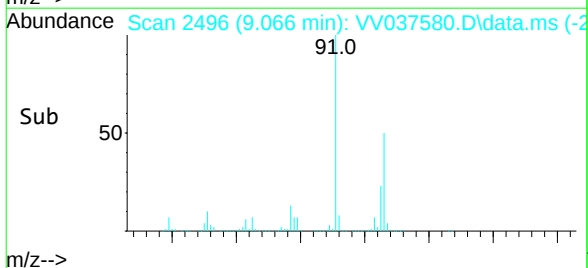
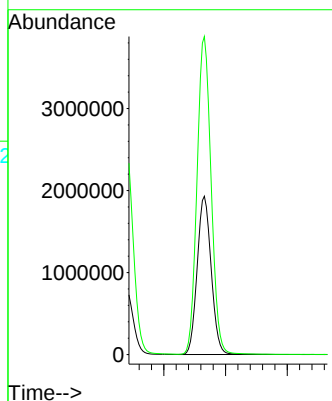
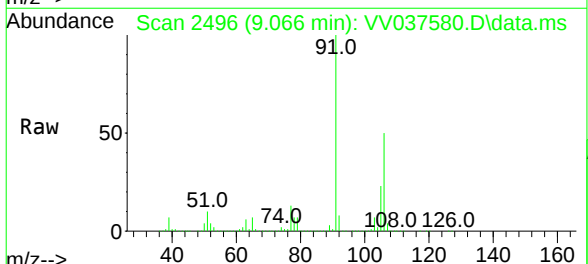
Manual Integrations
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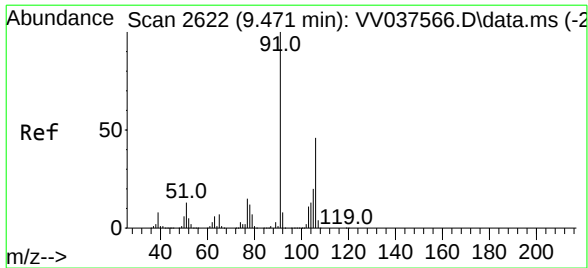
Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024



#53
 m,p-Xylene
 Concen: 357.048 ug/L
 RT: 9.066 min Scan# 2496
 Delta R.T. -0.000 min
 Lab File: VV037580.D
 Acq: 27 Sep 2024 03:41

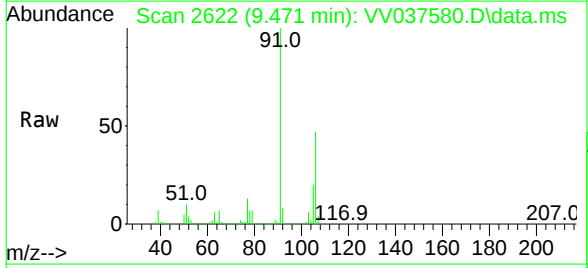
Tgt Ion:106 Resp: 3034903
 Ion Ratio Lower Upper
 106 100
 91 200.8 142.0 263.6





#54
o-Xylene
Concen: 379.667 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

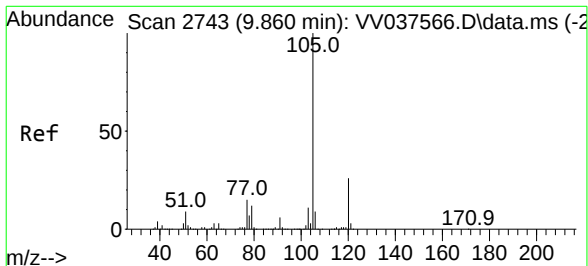
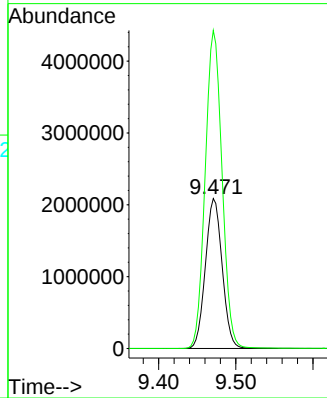
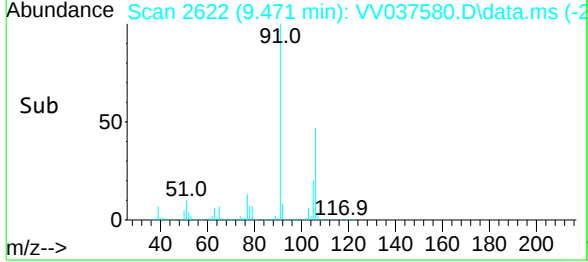
Instrument : MSVOA_V
ClientSampleId : EY078



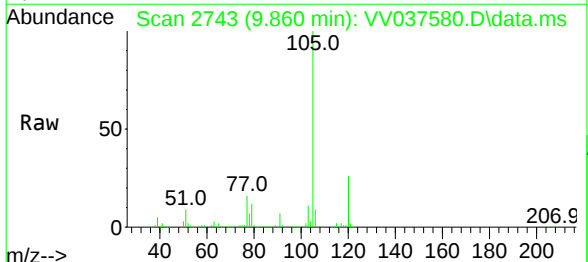
Tgt Ion:106 Resp: 3150645
Ion Ratio Lower Upper
106 100
91 212.1 153.9 285.9

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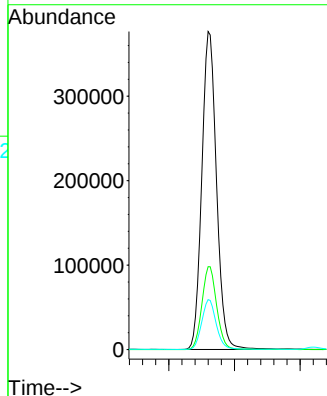
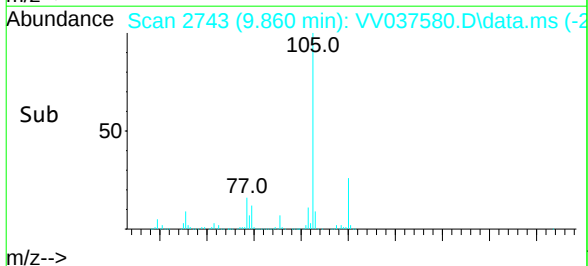
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

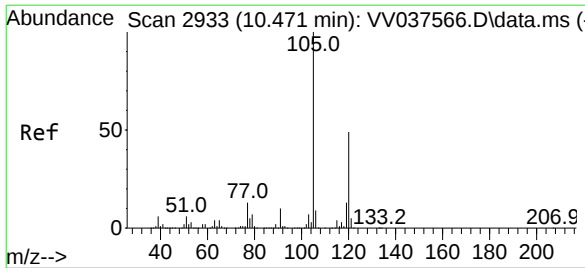


#60
Isopropylbenzene
Concen: 24.989 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41



Tgt Ion:105 Resp: 585323
Ion Ratio Lower Upper
105 100
120 26.1 20.7 31.1
77 15.3 12.2 18.2





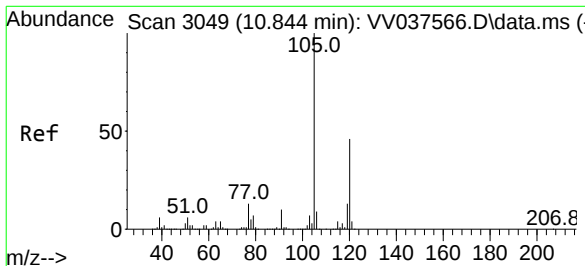
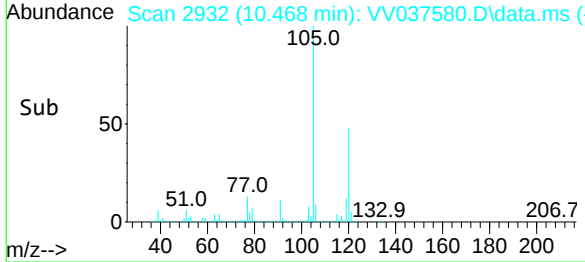
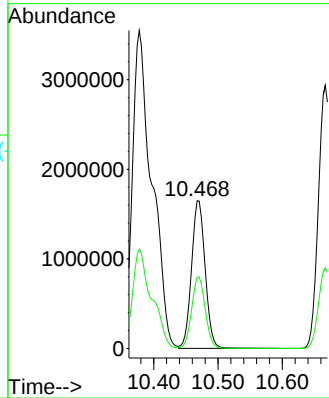
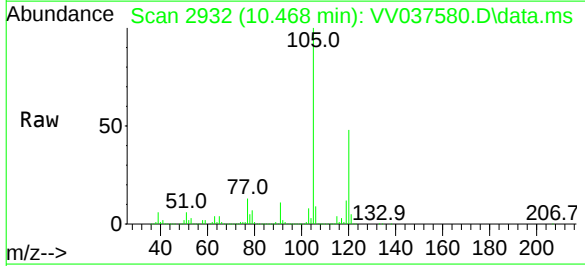
#62
1,3,5-Trimethylbenzene
Concen: 131.084 ug/L
RT: 10.468 min Scan# 2933
Delta R.T. -0.003 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Instrument :
MSVOA_V
ClientSampleId :
EY078

Tgt Ion:105 Resp: 2427451
Ion Ratio Lower Upper
105 100
120 48.4 39.3 58.9

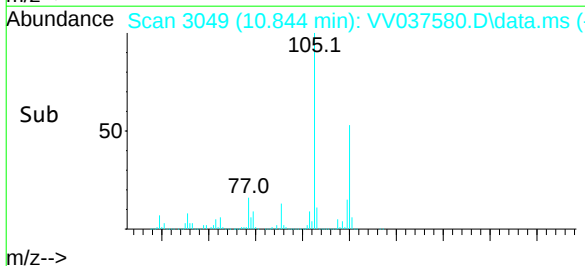
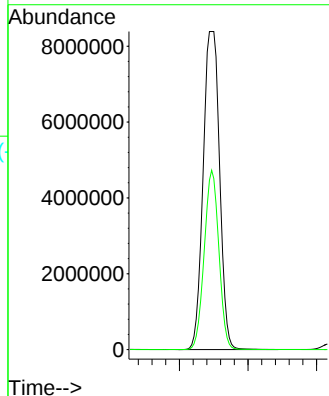
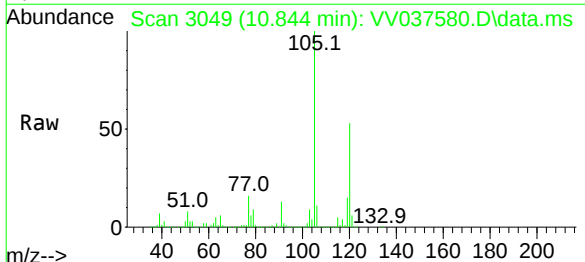
Manual Integrations
APPROVED

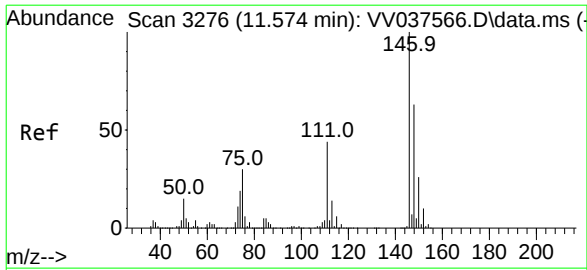
Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024



#63
1,2,4-Trimethylbenzene
Concen: 760.336 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Tgt Ion:105 Resp:14009328
Ion Ratio Lower Upper
105 100
120 50.0 36.2 54.2





#67
1,2-Dichlorobenzene
Concen: 3.933 ug/L
RT: 11.574 min Scan# 32
Delta R.T. -0.000 min
Lab File: VV037580.D
Acq: 27 Sep 2024 03:41

Instrument :
MSVOA_V
ClientSampleId :
EY078

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	34.2	51.2
148	60.8	50.9	76.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
Supervised By :Mahesh Dadoda 09/30/2024

