

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100223\
 Data File : VU055615.D
 Acq On : 02 Oct 2023 19:29
 Operator : MD/SY
 Sample : 04679-05MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MS

Quant Time: Oct 03 04:59:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	160929	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	167579	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	98141	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	65622	4.035	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.600%
7) Chloroethane-d5	1.911	69	63657	4.441	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.800%
11) 1,1-Dichloroethene-d2	2.563	65	25373	3.790	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.800%
20) 2-Butanone-d5	4.640	46	136156m	46.346	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.700%
24) Chloroform-d	5.062	84	134786	4.582	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	5.698	65	63048	4.455	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.727	84	246263	4.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
36) 1,2-Dichloropropane-d6	6.689	67	77854	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.894	98	219407	4.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.200%
43) trans-1,3-Dichloroprop...	8.177	79	27624	4.495	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.634	63	99043	52.980	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.960%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	67789	5.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	80126	4.045	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	72752	4.644	ug/L	100
3) Chloromethane	1.515	50	80024	5.806	ug/L	98
5) Vinyl chloride	1.602	62	99135	6.667	ug/L	99
6) Bromomethane	1.856	94	47769	5.058	ug/L	95
8) Chloroethane	1.933	64	61614	6.350	ug/L	93
9) Trichlorofluoromethane	2.136	101	129386	6.275	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	64568	5.146	ug/L	97
12) 1,1-Dichloroethene	2.576	96	57960	5.151	ug/L	90
13) Acetone	2.653	43	64585m	38.566	ug/L	
14) Carbon disulfide	2.792	76	174718	5.166	ug/L	98
15) Methyl Acetate	2.959	43	14899	3.902	ug/L	93
16) Methylene chloride	3.042	84	64847	4.810	ug/L	100
17) Methyl tert-butyl Ether	3.364	73	121698	4.986	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	61777	5.447	ug/L	94
19) 1,1-Dichloroethane	3.866	63	116494	5.555	ug/L	99
21) 2-Butanone	4.718	43	108098m	44.011	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	108087	8.221	ug/L	98
23) Bromochloromethane	4.972	128	27747	4.993	ug/L	91
25) Chloroform	5.084	83	122613	5.521	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	69883	5.131	ug/L	100
29) 1,1,1-Trichloroethane	5.312	97	103801	5.433	ug/L	97
30) Cyclohexane	5.383	56	88150	5.041	ug/L	99
31) Carbon tetrachloride	5.521	117	89467	5.464	ug/L	99
33) Benzene	5.772	78	260101	5.393	ug/L	100
34) Trichloroethene	6.541	95	79080	5.796	ug/L	99
35) Methylcyclohexane	6.759	83	99249	5.050	ug/L	98
37) 1,2-Dichloropropane	6.788	63	67418	5.345	ug/L	99
38) Bromodichloromethane	7.103	83	84529	5.718	ug/L	92
39) cis-1,3-Dichloropropene	7.605	75	90800	5.393	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	316513	55.315	ug/L #	93
42) Toluene	7.968	91	288317	5.604	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	73828	5.481	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	46851	5.297	ug/L	98
47) Tetrachloroethene	8.550	164	49187	5.026	ug/L	97
48) 2-Hexanone	8.685	43	239417	53.988	ug/L	94
49) Dibromochloromethane	8.807	129	52260	5.637	ug/L	93
50) 1,2-Dibromoethane	8.920	107	43231	5.267	ug/L	92
51) Chlorobenzene	9.444	112	320609	9.730	ug/L	98
52) Ethylbenzene	9.569	91	292114	5.296	ug/L	97
53) m,p-Xylene	9.692	106	111699	5.404	ug/L	97
54) o-Xylene	10.097	106	104559	5.203	ug/L	95
55) Styrene	10.113	104	172937	5.322	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	56336	5.642	ug/L	97
59) Bromoform	10.287	173	26366	5.012	ug/L	96
60) Isopropylbenzene	10.483	105	279817	4.947	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	38703	5.052	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	218415	4.829	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	214969	4.855	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	454519	16.784	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	457147	16.890	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	151727	6.111	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	7362	5.544	ug/L	96
69) 1,3,5-Trichlorobenzene	13.216	180	98101	5.261	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	383383	26.965	ug/L	98
71) Naphthalene	14.087	128	106910	5.194	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	68210	5.513	ug/L	98

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

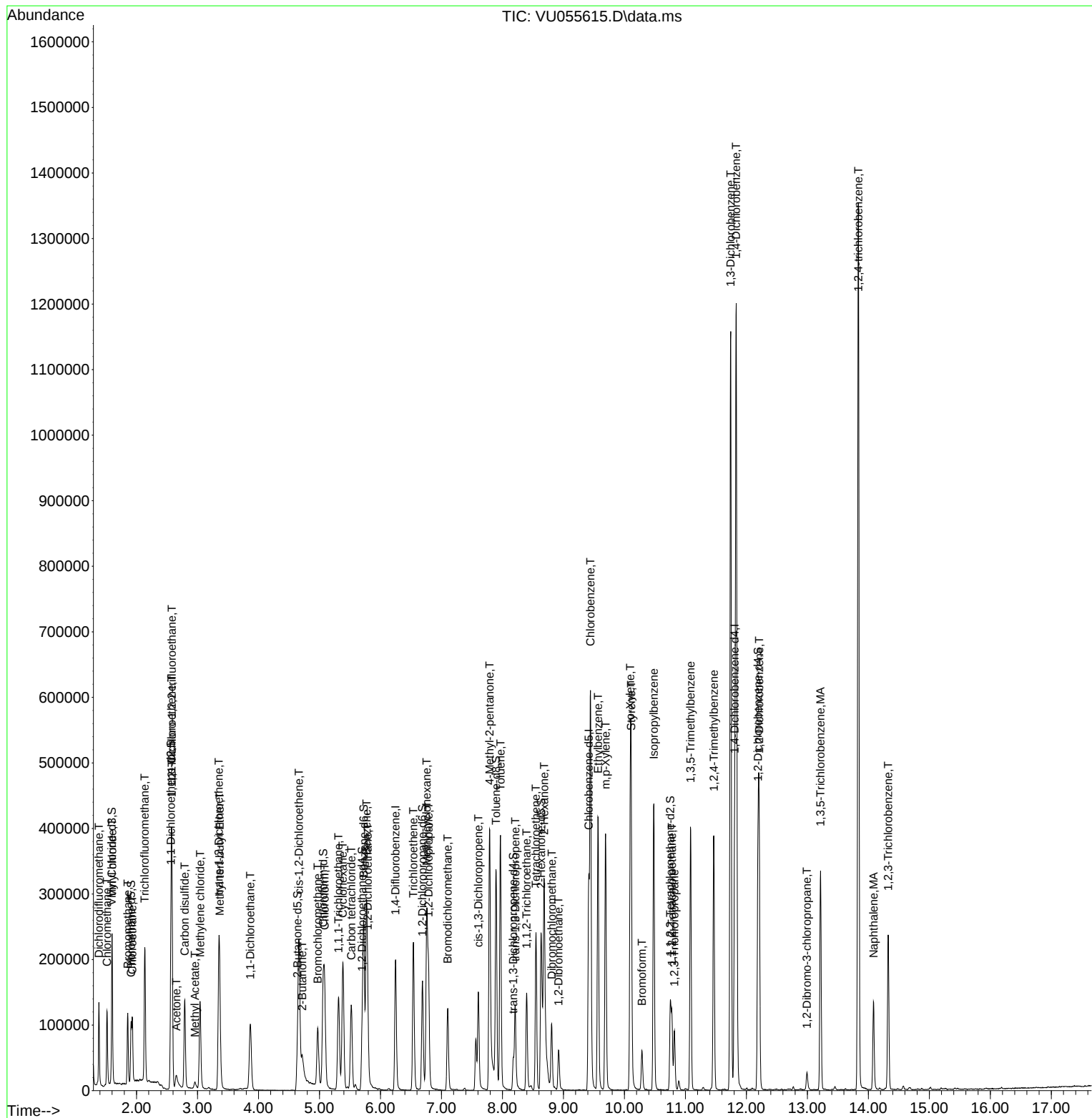
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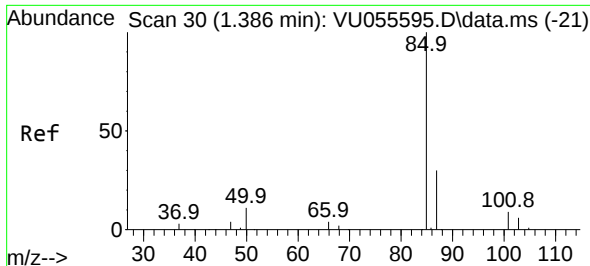
Instrument :
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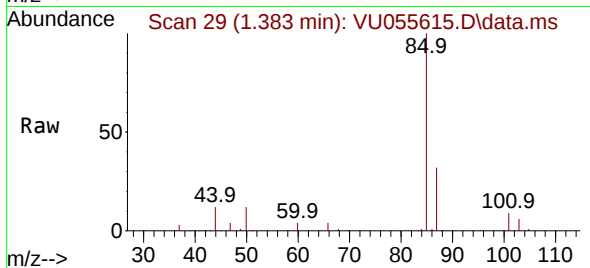
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023





#2
 Dichlorodifluoromethane
 Concen: 4.644 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

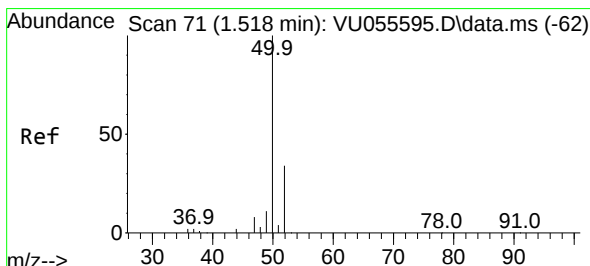
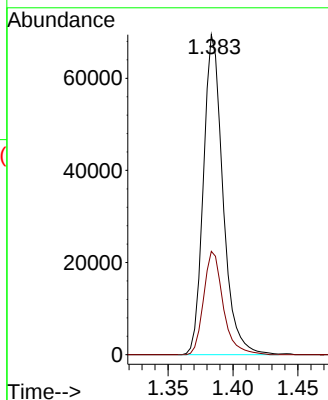
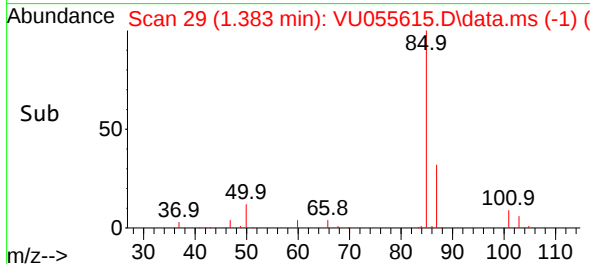
Instrument : MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MS



Tgt Ion: 85 Resp: 72752
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.0 39.0

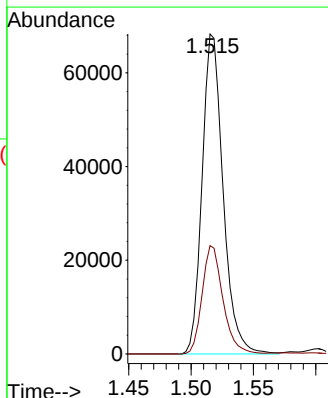
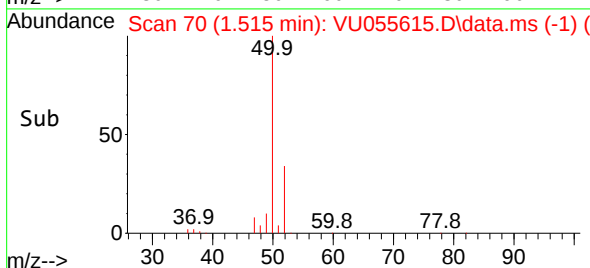
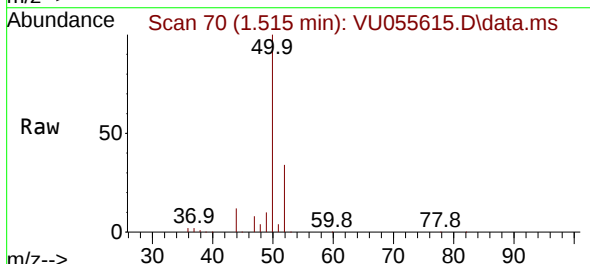
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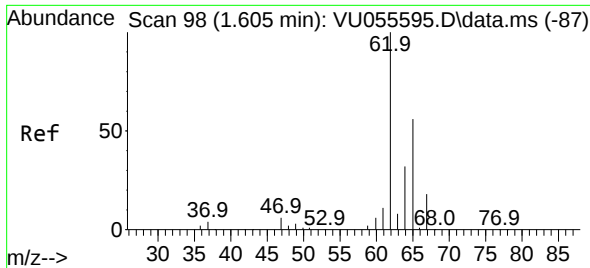
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 Supervised By :Semsettin Yesilyurt 10/03/2023



#3
 Chloromethane
 Concen: 5.806 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

Tgt Ion: 50 Resp: 80024
 Ion Ratio Lower Upper
 50 100
 52 33.9 22.9 42.5





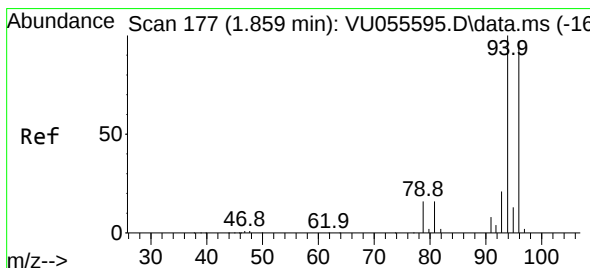
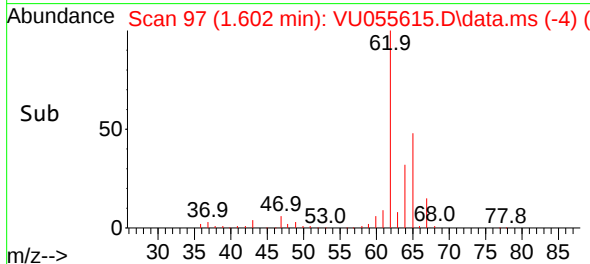
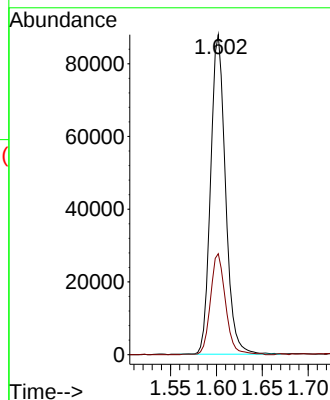
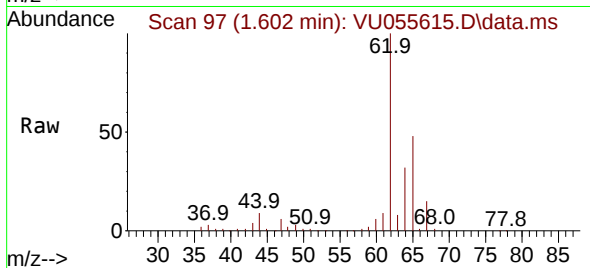
#5
 Vinyl chloride
 Concen: 6.667 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MS

Tgt Ion: 62 Resp: 9913
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.3 41.5

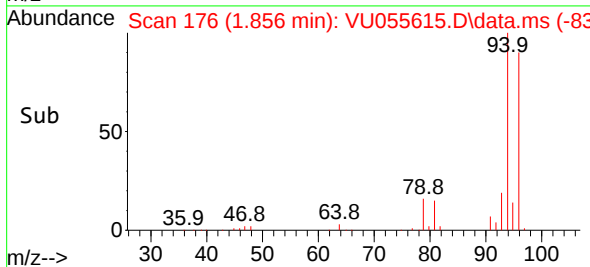
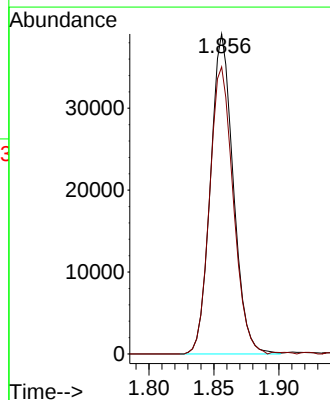
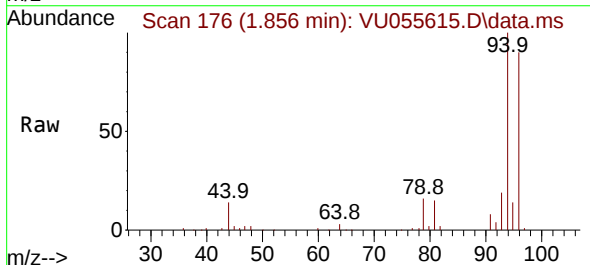
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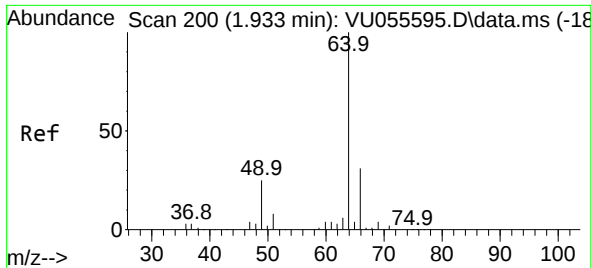
Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023



#6
 Bromomethane
 Concen: 5.058 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

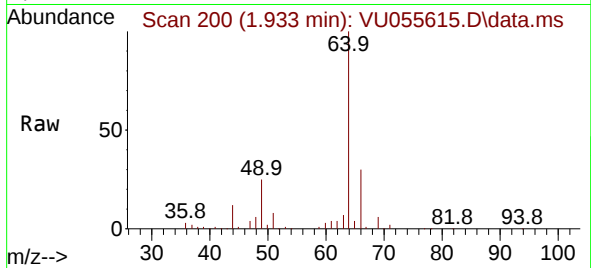
Tgt Ion: 94 Resp: 47769
 Ion Ratio Lower Upper
 94 100
 96 89.7 66.4 123.2





#8
Chloroethane
Concen: 6.350 ug/L
RT: 1.933 min Scan# 200
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

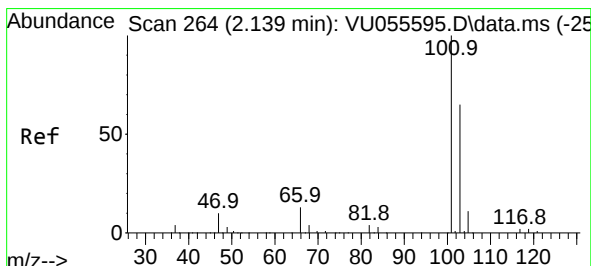
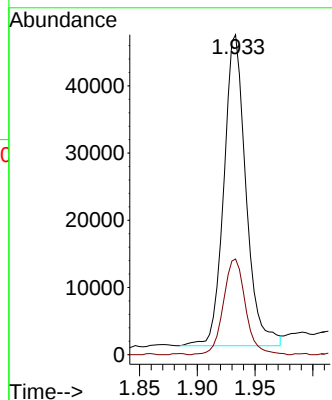
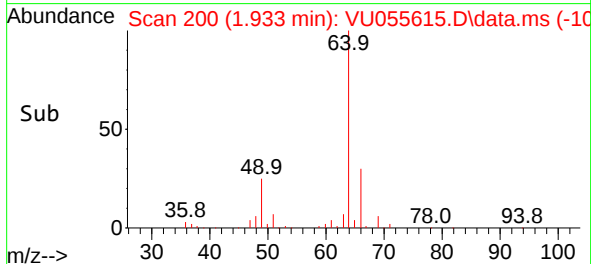
Instrument :
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PMW-4(20230927)MS



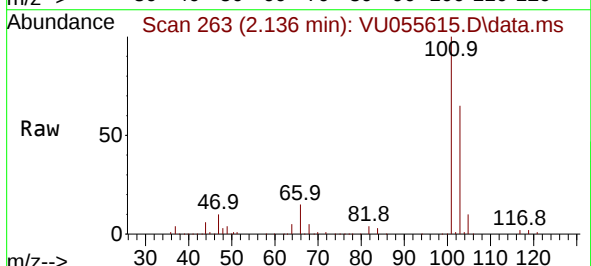
Tgt Ion: 64 Resp: 61614
Ion Ratio Lower Upper
64 100
66 29.9 23.7 44.1

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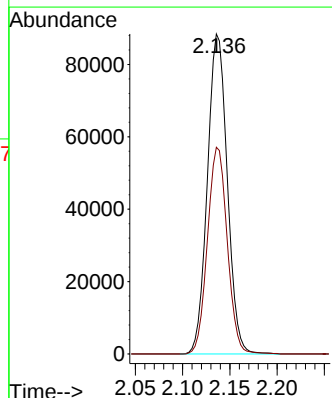
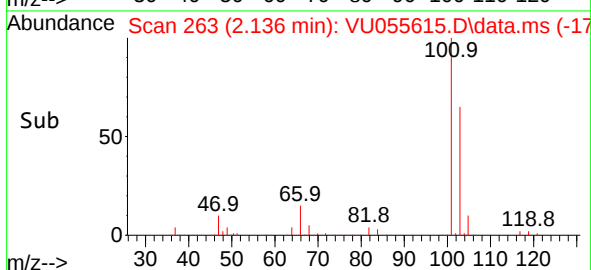
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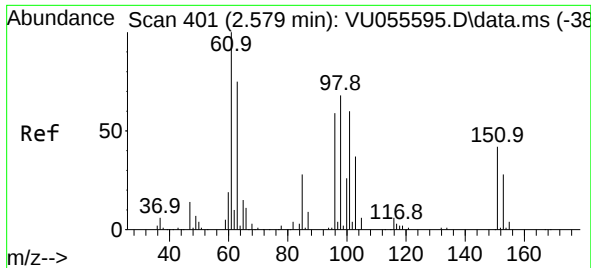


#9
Trichlorofluoromethane
Concen: 6.275 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29



Tgt Ion:101 Resp: 129386
Ion Ratio Lower Upper
101 100
103 64.3 52.0 78.0





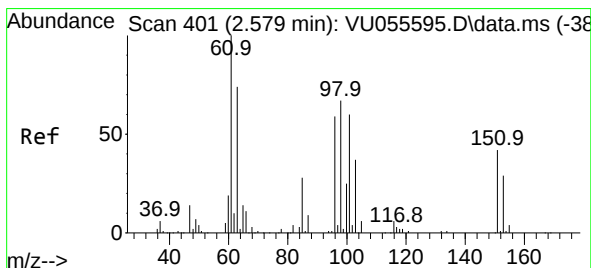
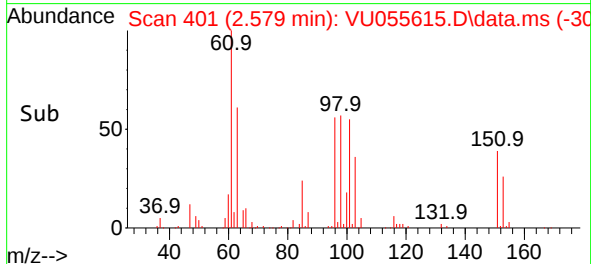
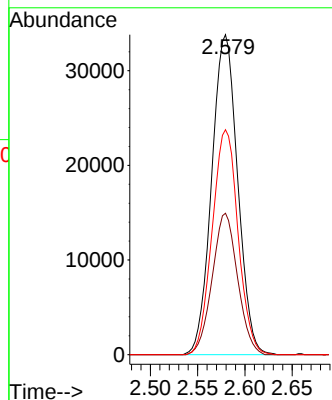
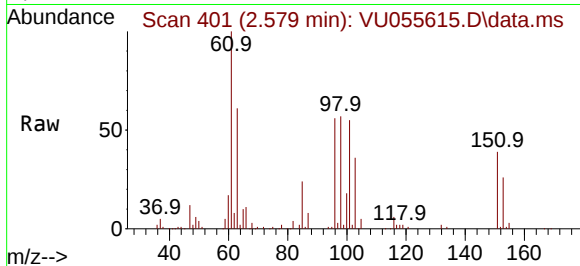
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.146 ug/L
RT: 2.579 min Scan# 401
Delta R.T. -0.000 min
Lab File: VU055615.D
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Tgt Ion:101 Resp: 6456
Ion Ratio Lower Upper
101 100
85 43.2 35.8 53.6
151 70.1 58.2 87.4

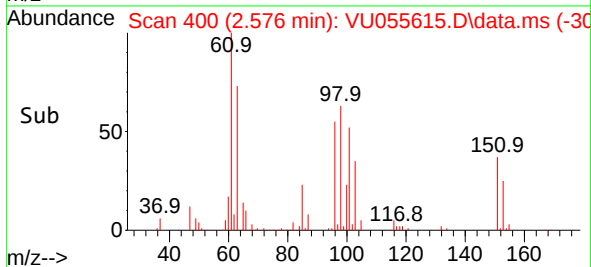
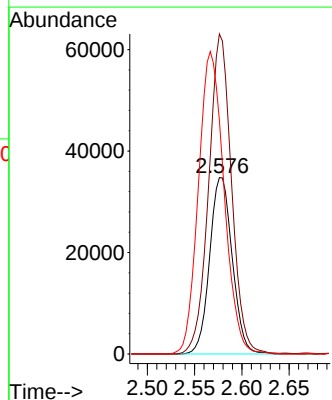
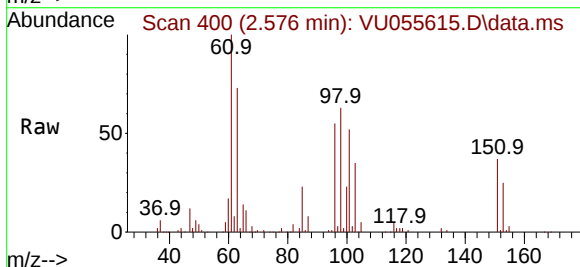
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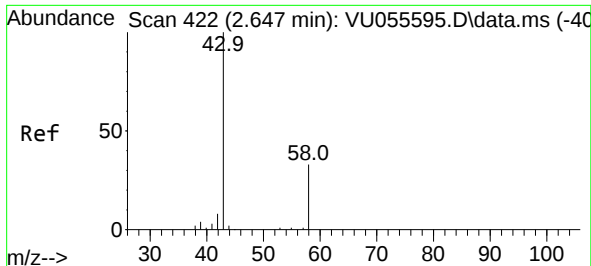
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#12
1,1-Dichloroethene
Concen: 5.151 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion: 96 Resp: 57960
Ion Ratio Lower Upper
96 100
61 181.5 114.5 212.7
63 132.5 98.3 182.5





#13

Acetone

Concen: 38.566 ug/L m

RT: 2.653 min Scan# 4

Delta R.T. 0.013 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

Tgt Ion: 43 Resp: 6458

Ion Ratio Lower Upper

43 100

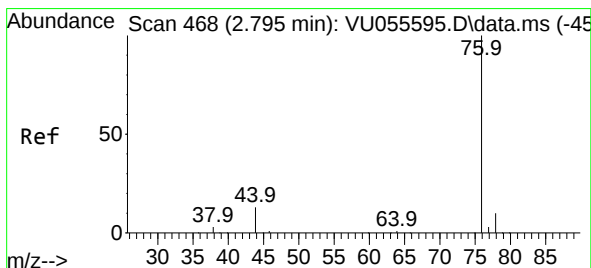
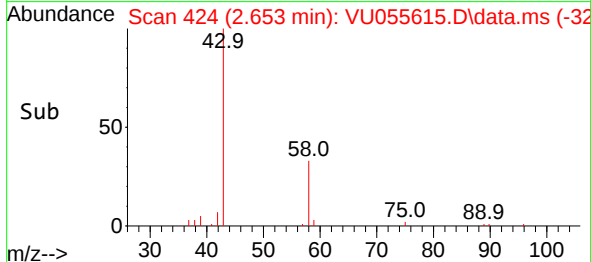
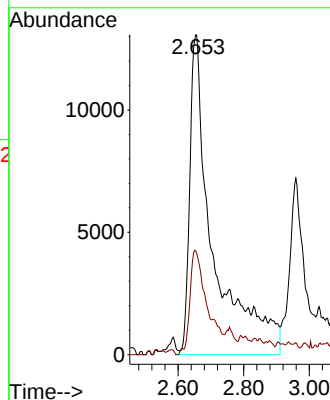
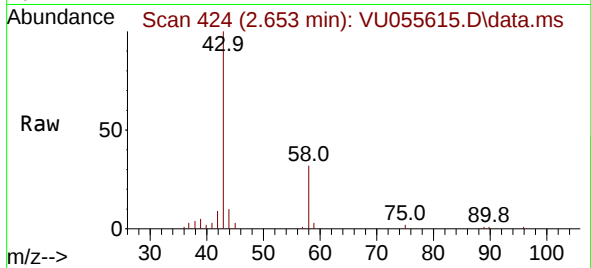
58 20.3 0.0 72.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 10/03/2023



#14

Carbon disulfide

Concen: 5.166 ug/L

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055615.D

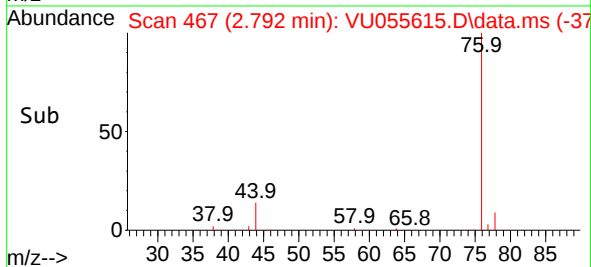
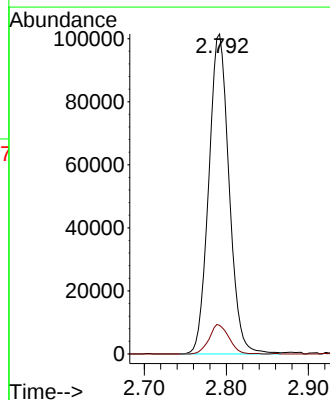
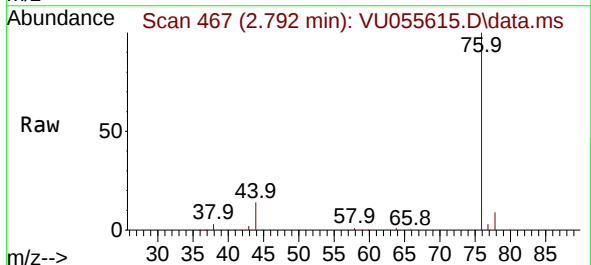
Acq: 02 Oct 2023 19:29

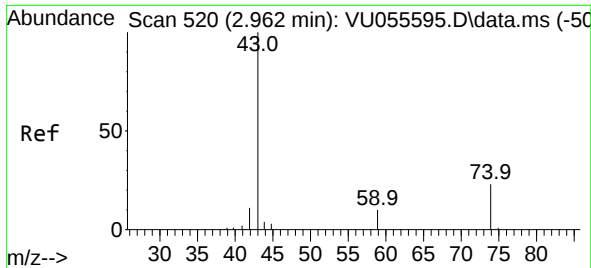
Tgt Ion: 76 Resp: 174718

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5





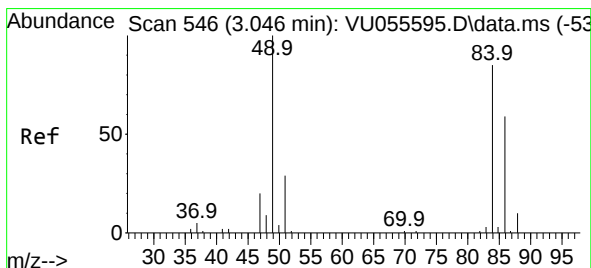
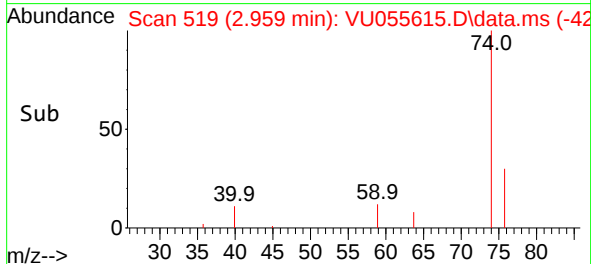
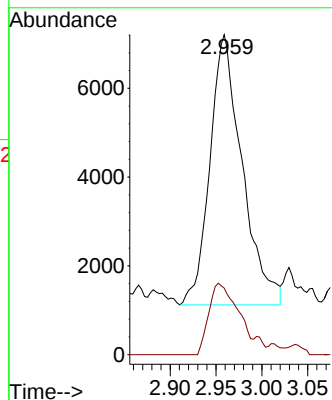
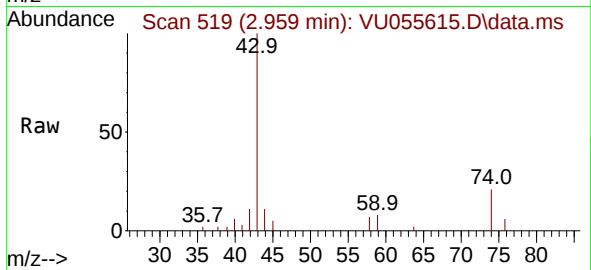
#15
Methyl Acetate
Concen: 3.902 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS

Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
74 24.1 22.3 33.5

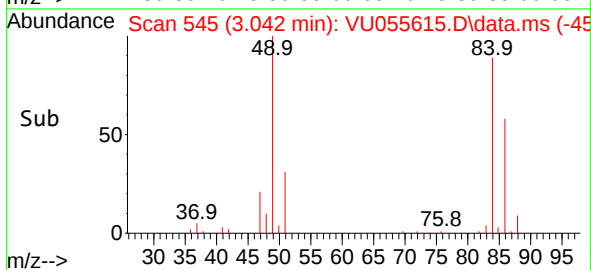
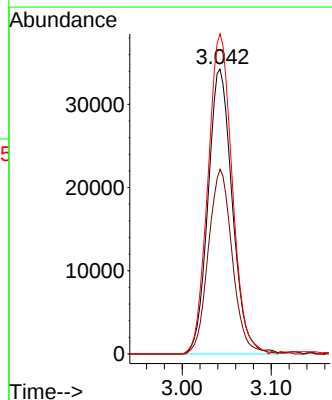
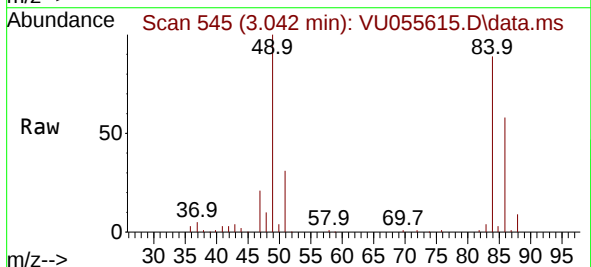
Manual Integrations
APPROVED

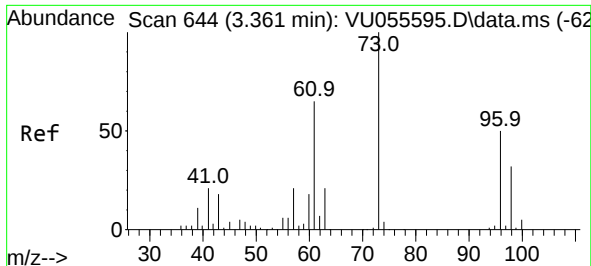
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#16
Methylene chloride
Concen: 4.810 ug/L
RT: 3.042 min Scan# 545
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

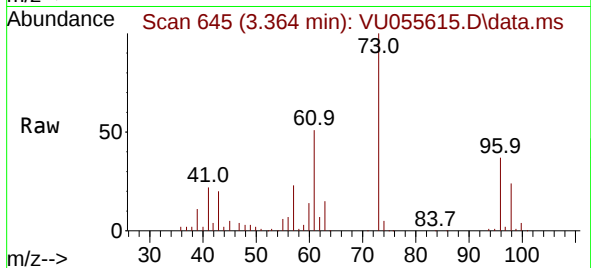
Tgt Ion: 84 Resp: 64847
Ion Ratio Lower Upper
84 100
86 64.8 44.9 83.3
49 112.3 78.8 146.3





#17
Methyl tert-butyl Ether
Concen: 4.986 ug/L
RT: 3.364 min Scan# 644
Delta R.T. 0.006 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

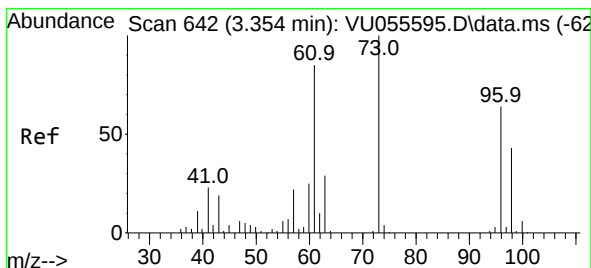
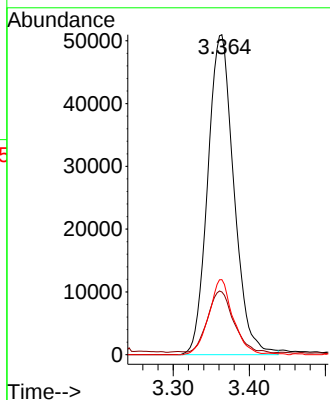
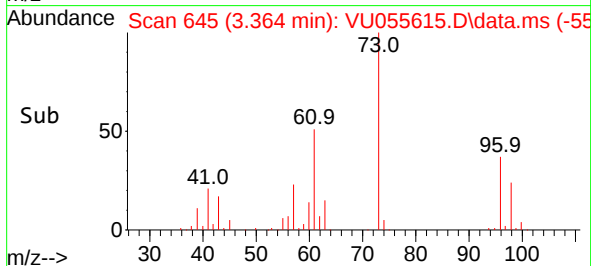
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 73 Resp: 121698
Ion Ratio Lower Upper
73 100
43 19.3 14.9 22.3
57 21.8 17.3 25.9

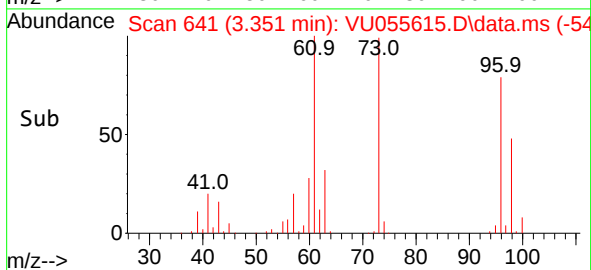
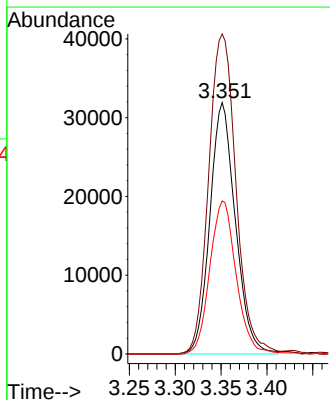
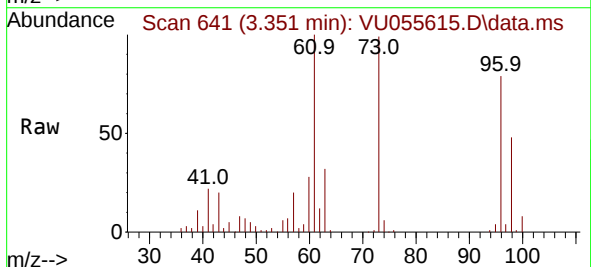
Manual Integrations
APPROVED

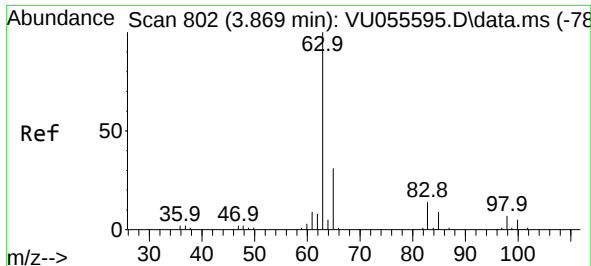
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#18
trans-1,2-Dichloroethene
Concen: 5.447 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion: 96 Resp: 61777
Ion Ratio Lower Upper
96 100
61 127.3 94.6 175.6
98 60.9 45.7 84.9





#19

1,1-Dichloroethane

Concen: 5.555 ug/L

RT: 3.866 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

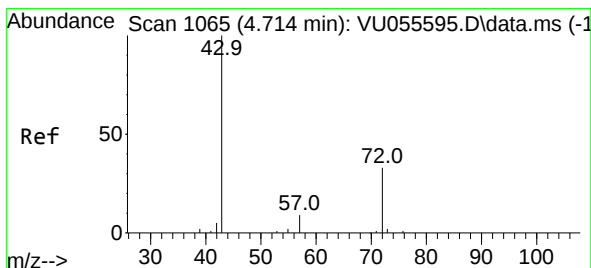
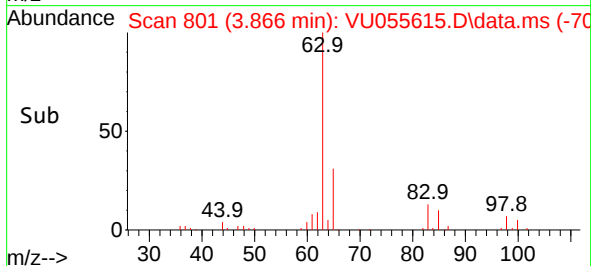
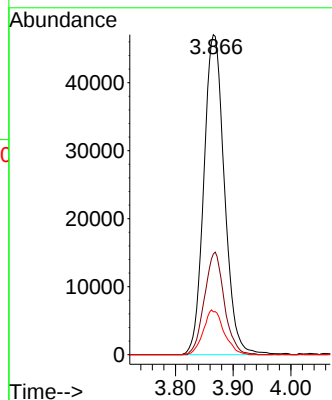
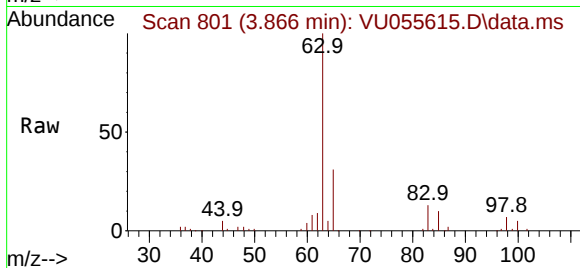
Tgt Ion: 63 Resp: 116494

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.0	41.0
83	13.4	10.1	18.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#21

2-Butanone

Concen: 44.011 ug/L m

RT: 4.718 min Scan# 1066

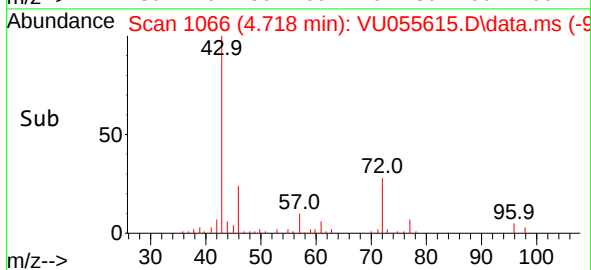
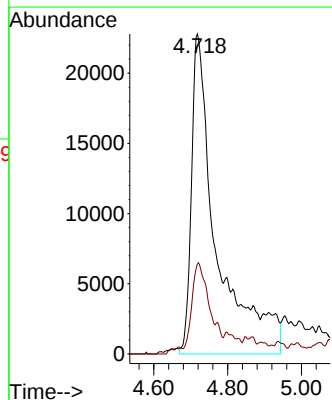
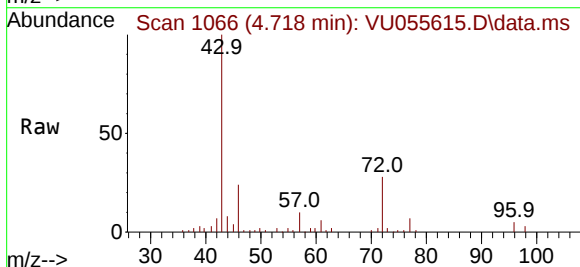
Delta R.T. 0.009 min

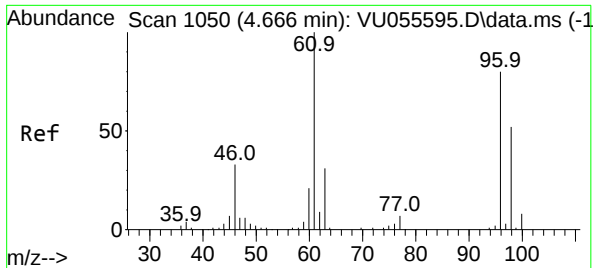
Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Tgt Ion: 43 Resp: 108098

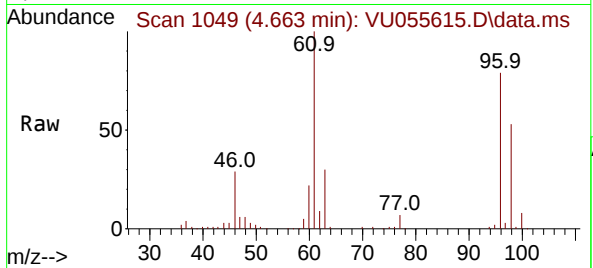
Ion	Ratio	Lower	Upper
43	100		
72	16.5	15.1	45.3





#22
cis-1,2-Dichloroethene
Concen: 8.221 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

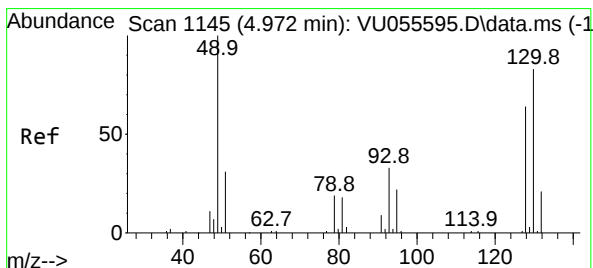
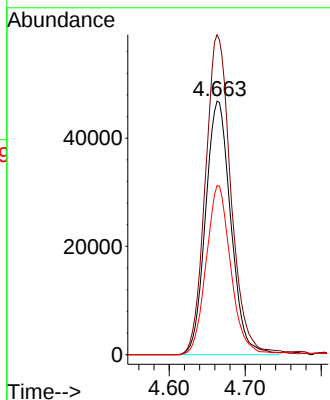
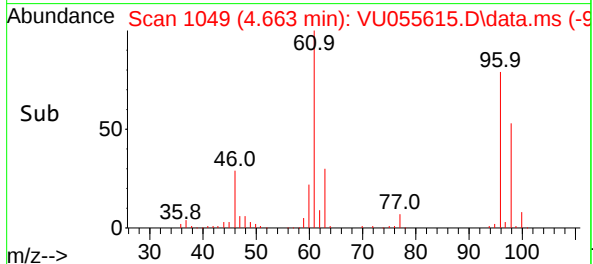
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 96 Resp: 10808
Ion Ratio Lower Upper
96 100
61 126.2 87.8 163.2
98 66.7 44.4 82.4

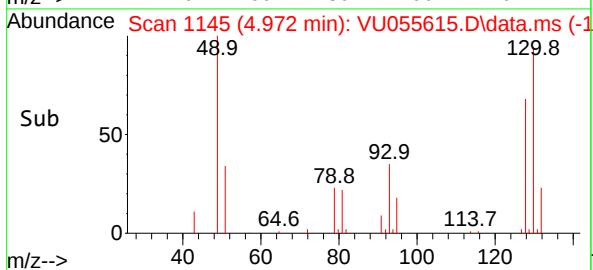
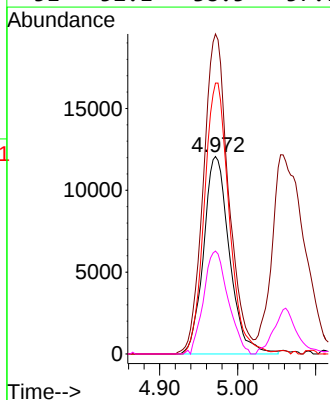
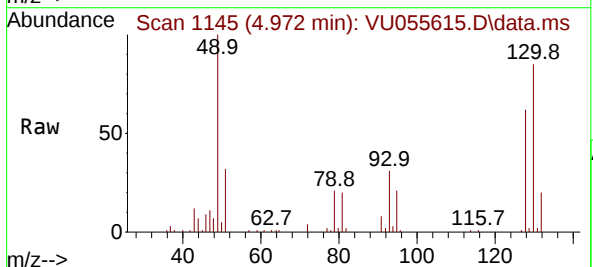
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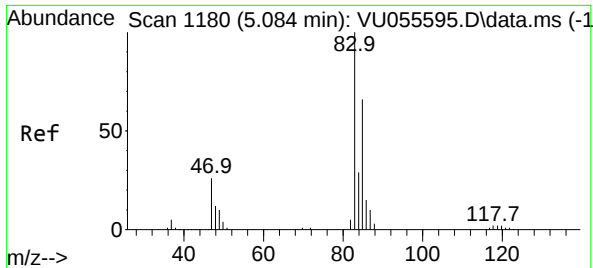
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#23
Bromochloromethane
Concen: 4.993 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion:128 Resp: 27747
Ion Ratio Lower Upper
128 100
49 162.1 102.8 191.0
130 137.2 89.9 166.9
51 52.1 38.5 57.7





#25

Chloroform

Concen: 5.521 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

Tgt Ion: 83 Resp: 12261

Ion Ratio Lower Upper

83 100

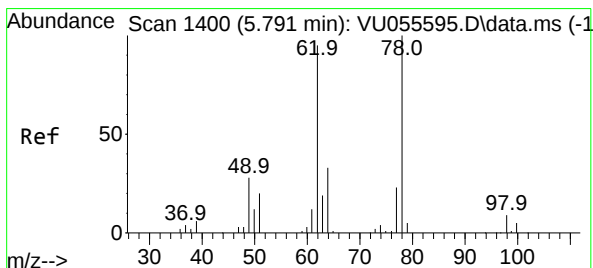
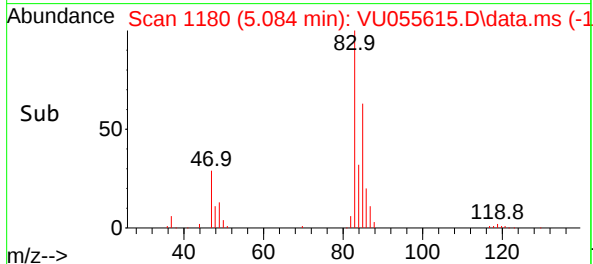
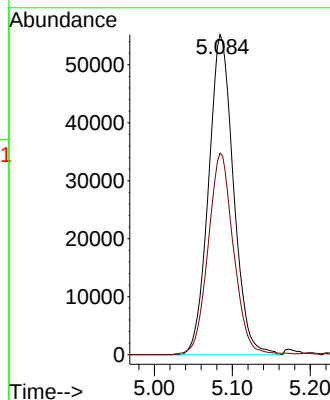
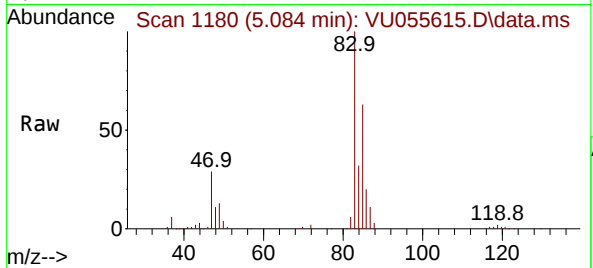
85 63.0 44.9 83.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023

Supervised By :Semsettin Yesilyurt 10/03/2023



#27

1,2-Dichloroethane

Concen: 5.131 ug/L

RT: 5.792 min Scan# 1400

Delta R.T. -0.000 min

Lab File: VU055615.D

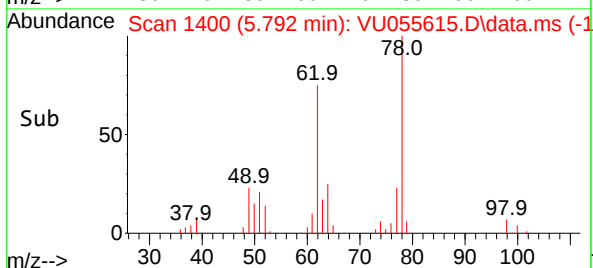
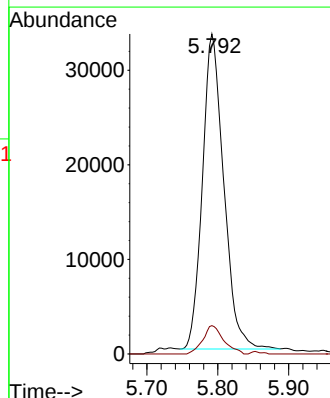
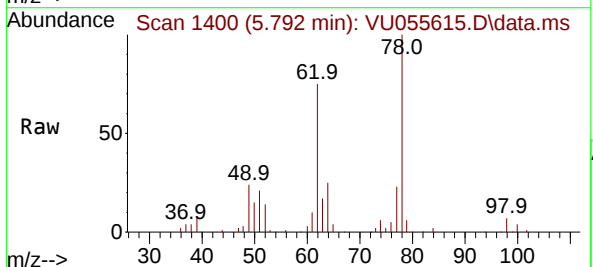
Acq: 02 Oct 2023 19:29

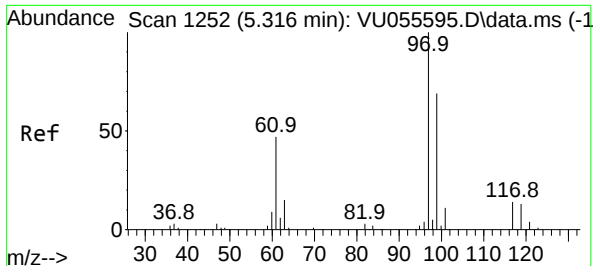
Tgt Ion: 62 Resp: 69883

Ion Ratio Lower Upper

62 100

98 8.9 7.0 10.4





#29

1,1,1-Trichloroethane

Concen: 5.433 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

Tgt Ion: 97 Resp: 10380

Ion Ratio Lower Upper

97 100

99 64.9 50.7 76.1

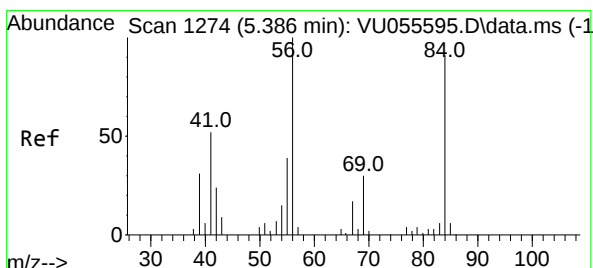
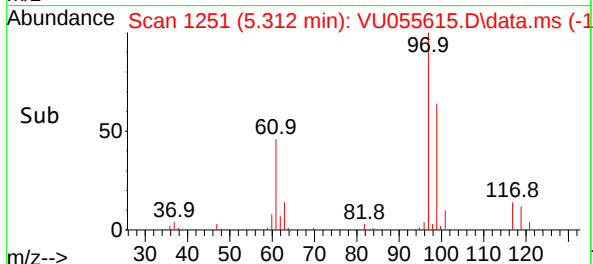
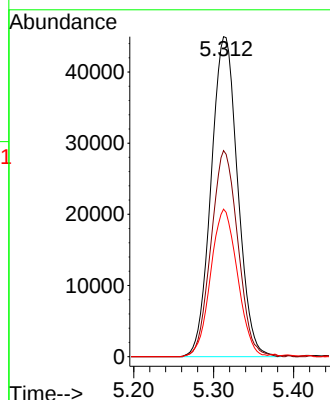
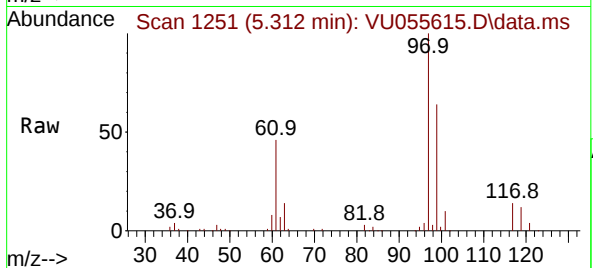
61 46.6 34.6 51.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023

Supervised By :Semsettin Yesilyurt 10/03/2023



#30

Cyclohexane

Concen: 5.041 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.004 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

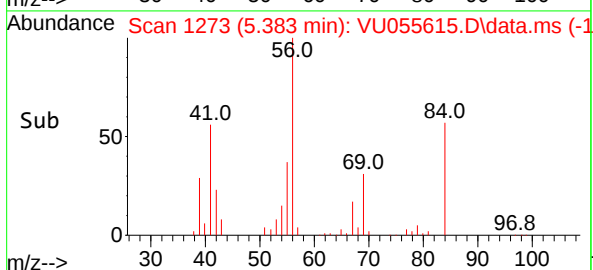
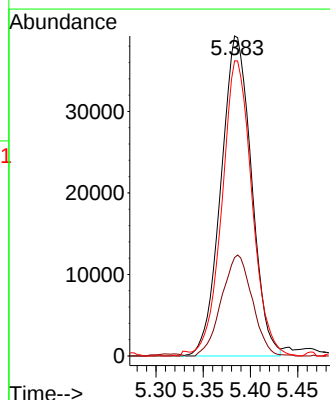
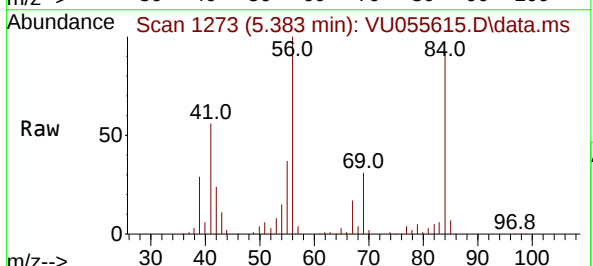
Tgt Ion: 56 Resp: 88150

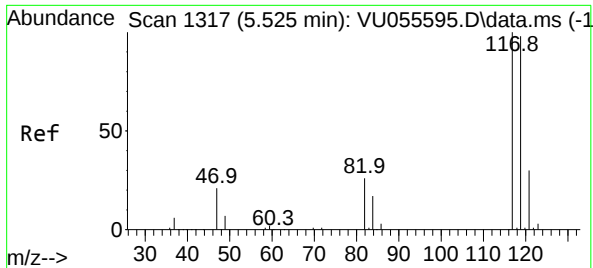
Ion Ratio Lower Upper

56 100

69 31.8 26.5 39.7

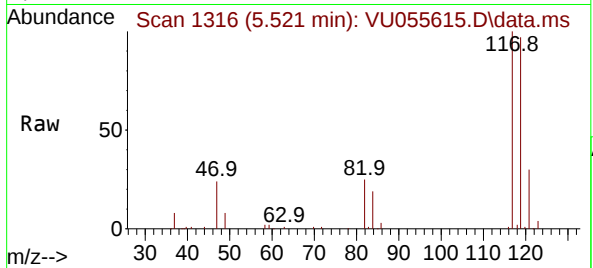
84 90.5 72.6 108.8





#31
Carbon tetrachloride
Concen: 5.464 ug/L
RT: 5.521 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

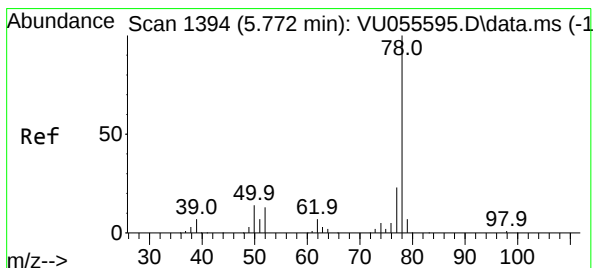
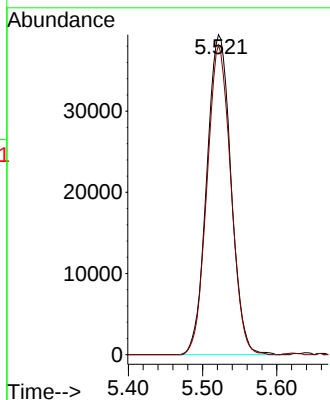
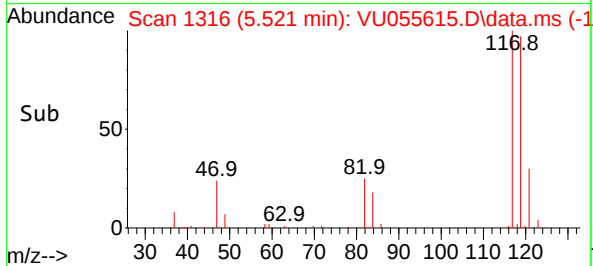
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion:117 Resp: 8946
Ion Ratio Lower Upper
117 100
119 94.9 75.2 112.8

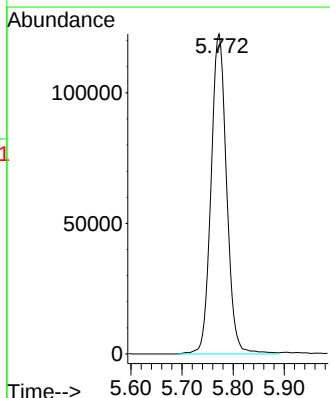
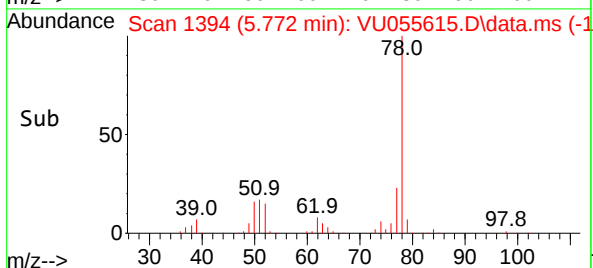
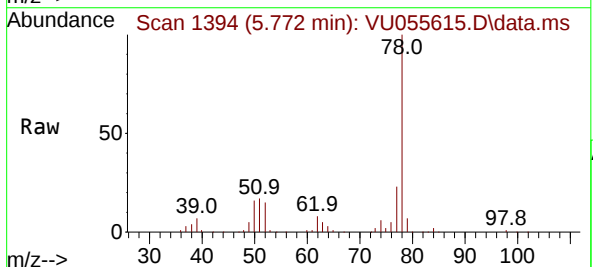
Manual Integrations
APPROVED

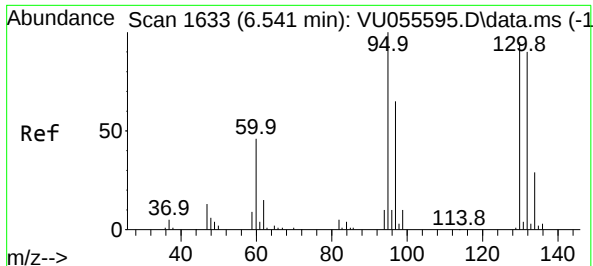
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#33
Benzene
Concen: 5.393 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion: 78 Resp: 260101





#34

Trichloroethene

Concen: 5.796 ug/L

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

Tgt Ion: 95 Resp: 7908

Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.2

132 92.1 65.2 121.2

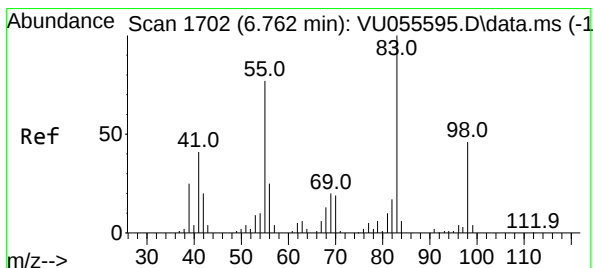
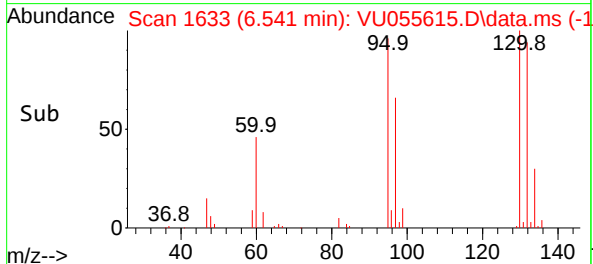
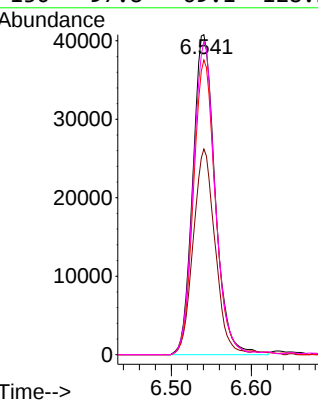
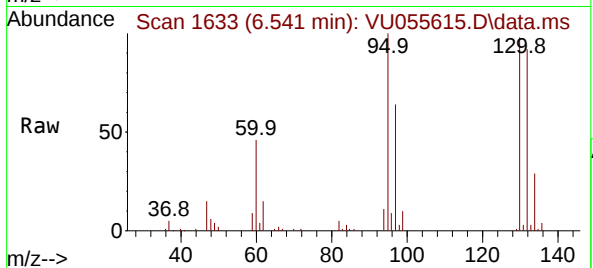
130 97.8 69.1 128.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023

Supervised By :Semsettin Yesilyurt 10/03/2023



#35

Methylcyclohexane

Concen: 5.050 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

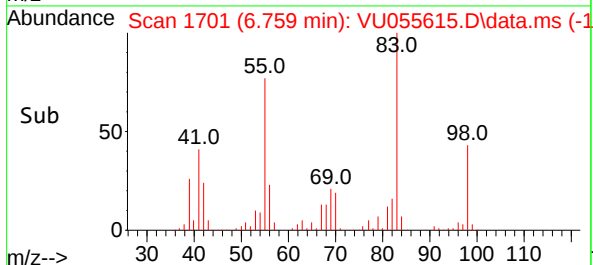
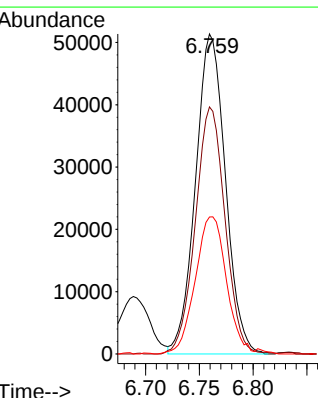
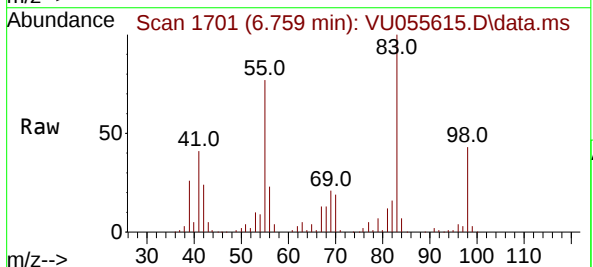
Tgt Ion: 83 Resp: 99249

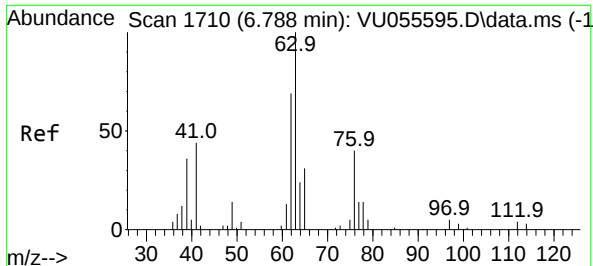
Ion Ratio Lower Upper

83 100

55 76.7 59.1 88.7

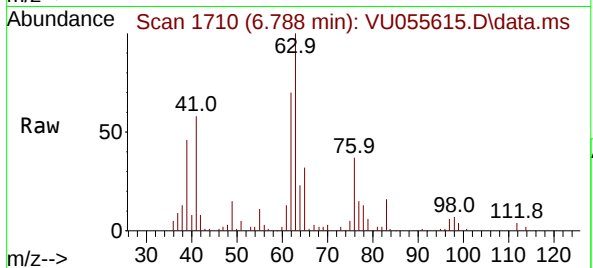
98 44.7 36.3 54.5





#37
1,2-Dichloropropane
Concen: 5.345 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

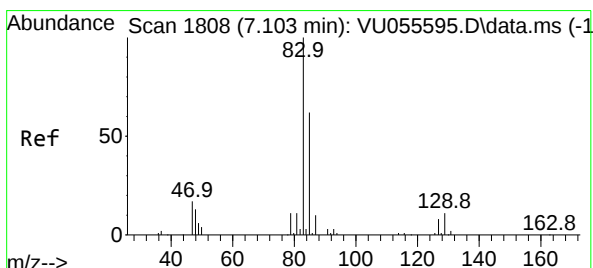
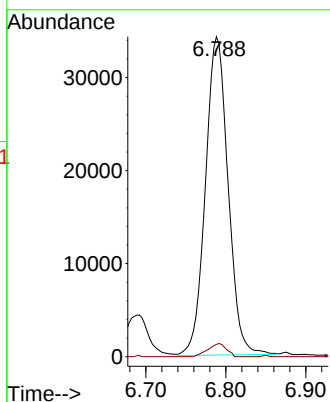
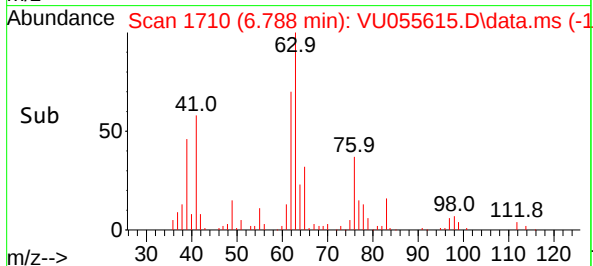
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 63 Resp: 67418
Ion Ratio Lower Upper
63 100
112 3.3 3.0 4.6

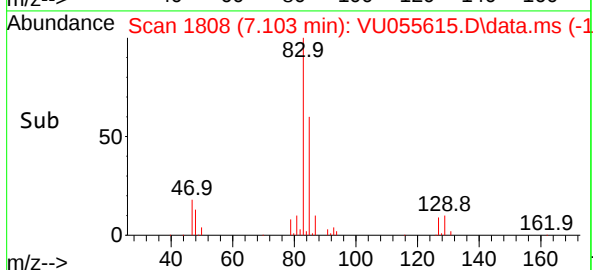
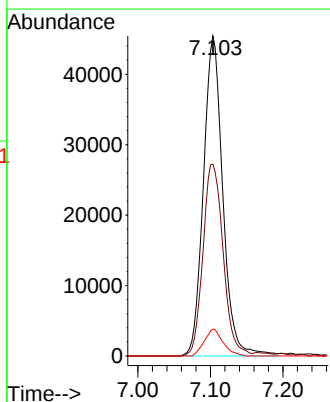
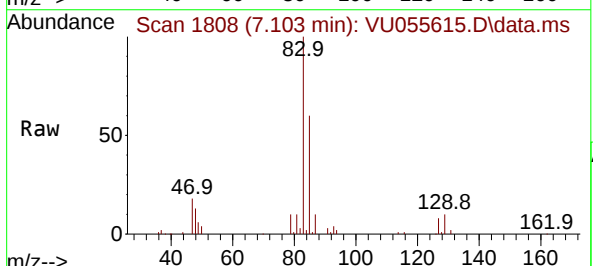
Manual Integrations
APPROVED

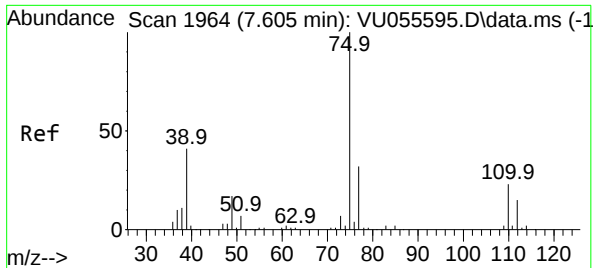
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#38
Bromodichloromethane
Concen: 5.718 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion: 83 Resp: 84529
Ion Ratio Lower Upper
83 100
85 60.0 46.8 86.8
127 8.4 7.2 10.8





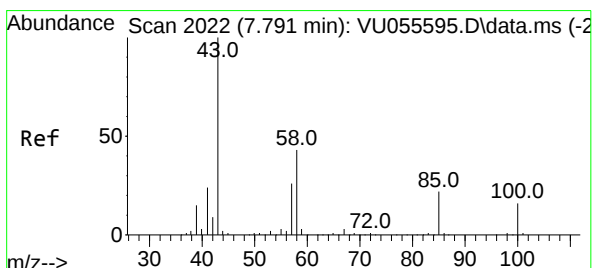
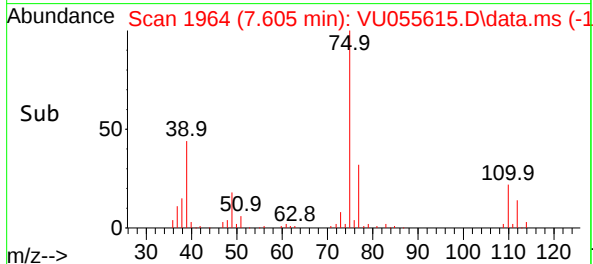
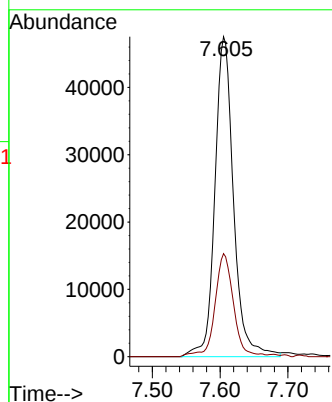
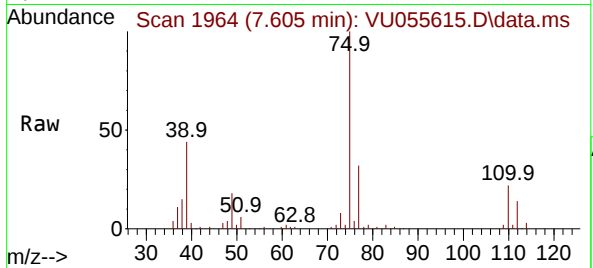
#39
 cis-1,3-Dichloropropene
 Concen: 5.393 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

Instrument : MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MS

Tgt Ion: 75 Resp: 90800
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.6 40.2

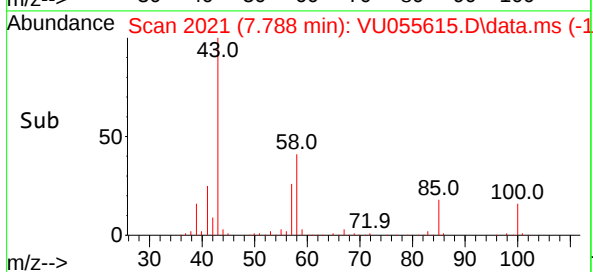
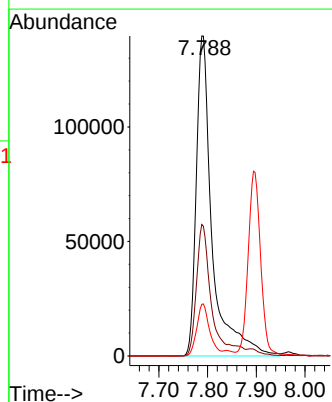
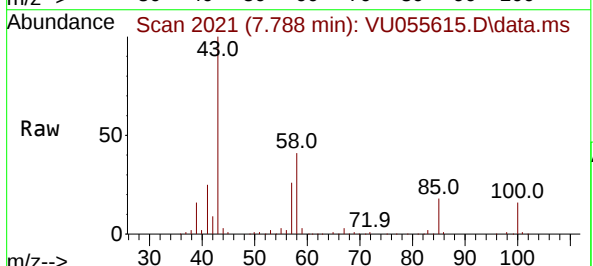
Manual Integrations
 APPROVED

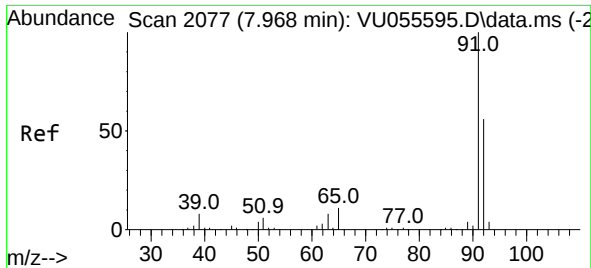
Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023



#40
 4-Methyl-2-pentanone
 Concen: 55.315 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

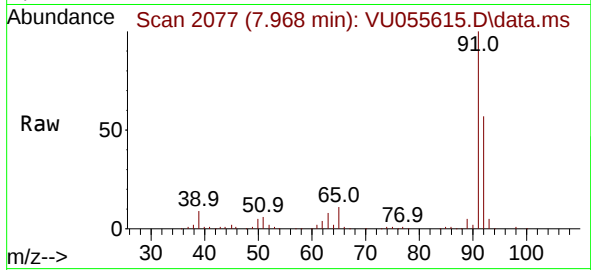
Tgt Ion: 43 Resp: 316513
 Ion Ratio Lower Upper
 43 100
 58 38.9 34.2 51.4
 100 13.3 13.4 20.0#





#42
Toluene
Concen: 5.604 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

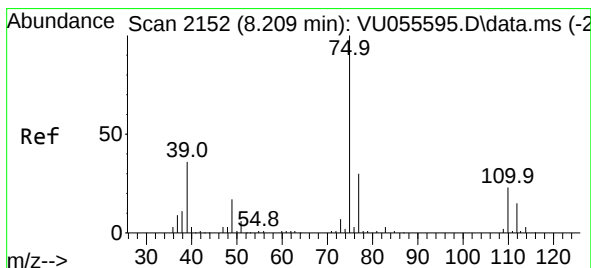
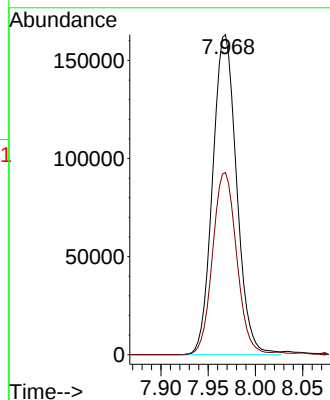
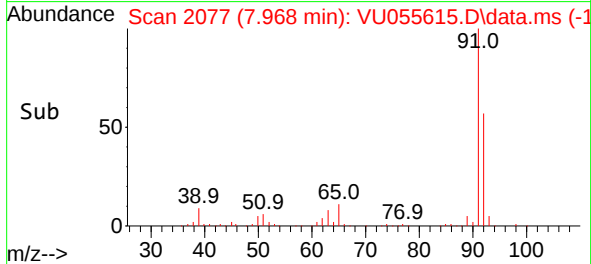
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 91 Resp: 28831
Ion Ratio Lower Upper
91 100
92 56.9 40.3 74.8

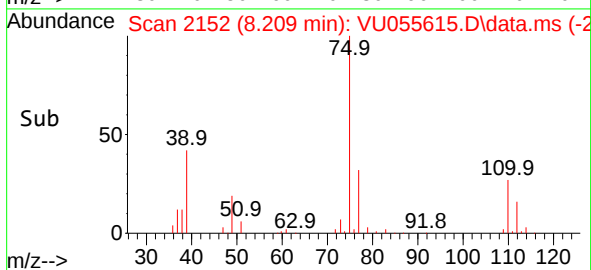
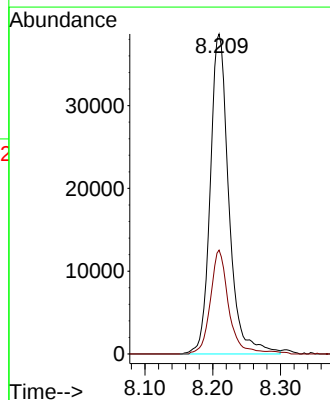
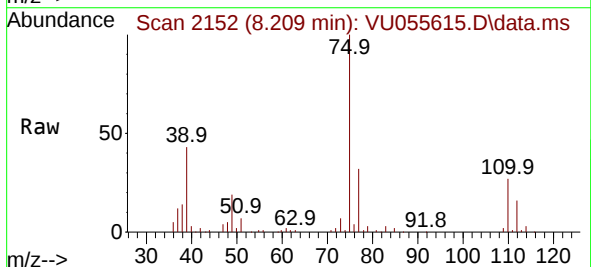
Manual Integrations
APPROVED

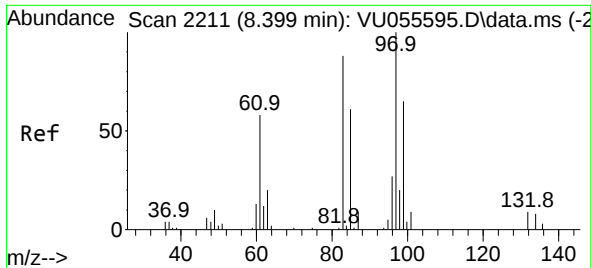
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#44
trans-1,3-Dichloropropene
Concen: 5.481 ug/L
RT: 8.209 min Scan# 2152
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

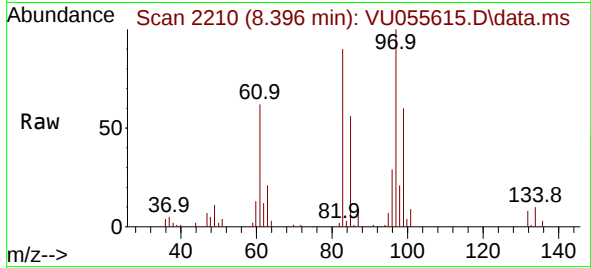
Tgt Ion: 75 Resp: 73828
Ion Ratio Lower Upper
75 100
77 32.4 21.8 40.4





#45
1,1,2-Trichloroethane
Concen: 5.297 ug/L
RT: 8.396 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

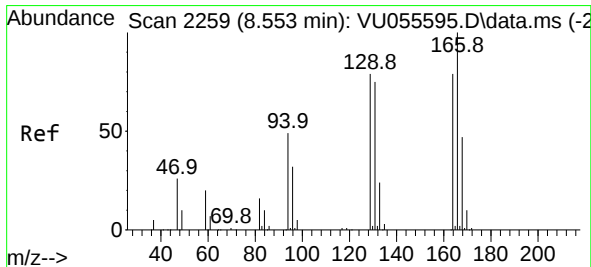
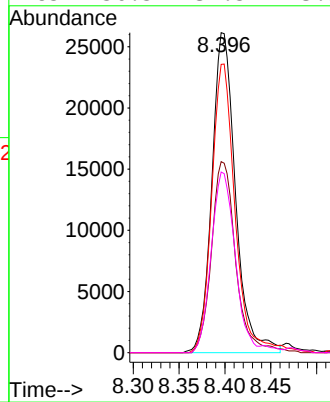
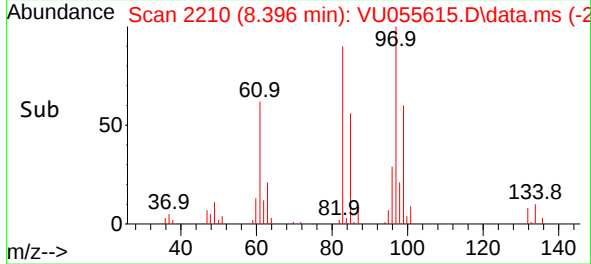
Instrument : MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 97 Resp: 4685
Ion Ratio Lower Upper
97 100
99 59.7 44.1 81.9
83 90.1 61.5 114.1
85 56.5 39.5 73.3

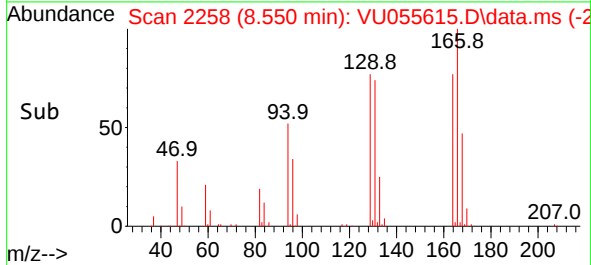
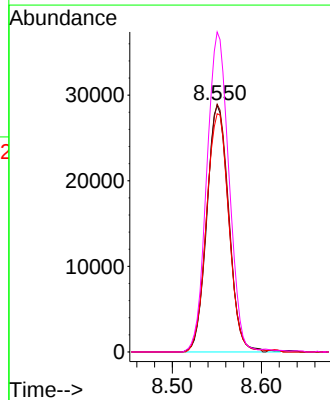
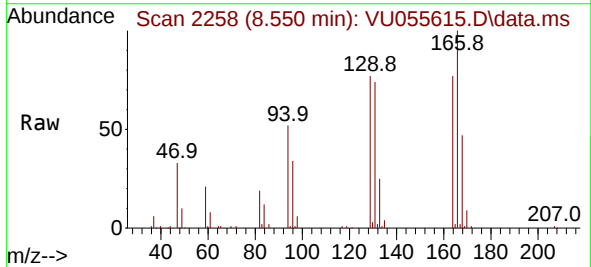
Manual Integrations
APPROVED

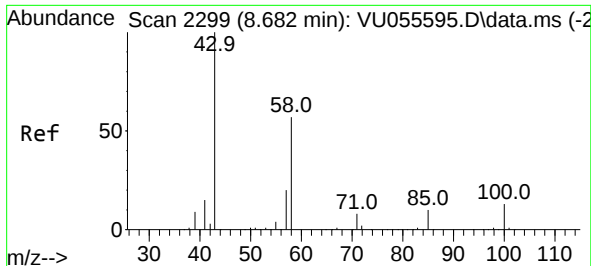
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#47
Tetrachloroethene
Concen: 5.026 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

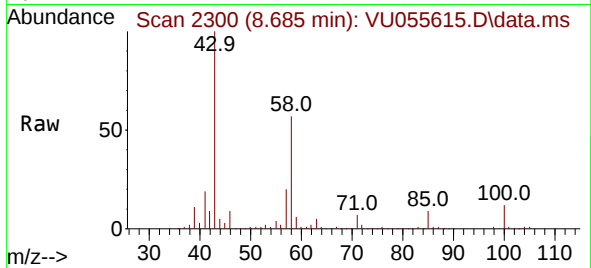
Tgt Ion:164 Resp: 49187
Ion Ratio Lower Upper
164 100
129 100.5 67.4 125.2
131 96.6 66.4 123.2
166 129.8 88.8 165.0





#48
2-Hexanone
Concen: 53.988 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

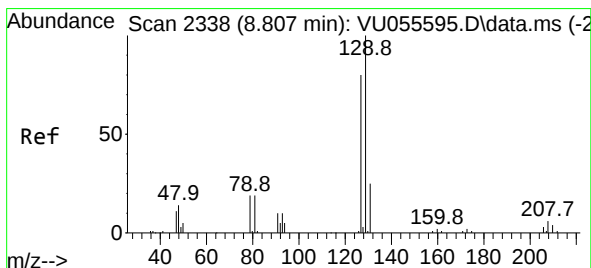
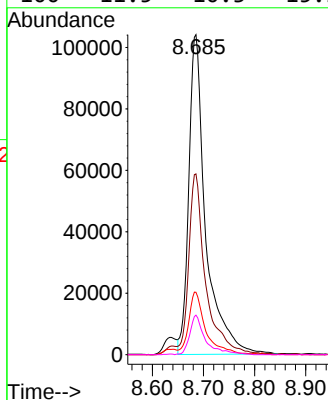
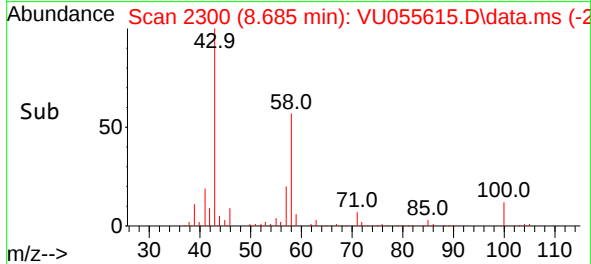
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 43 Resp: 23941
Ion Ratio Lower Upper
43 100
58 55.7 48.5 72.7
57 19.1 17.0 25.4
100 11.5 10.3 15.5

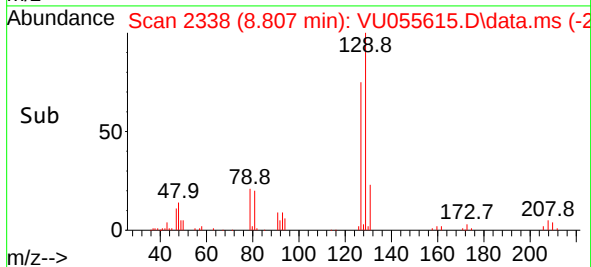
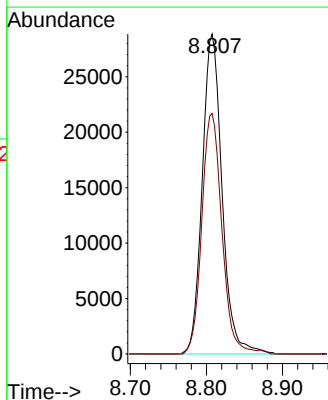
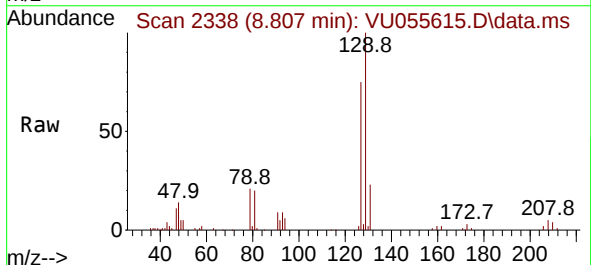
Manual Integrations
APPROVED

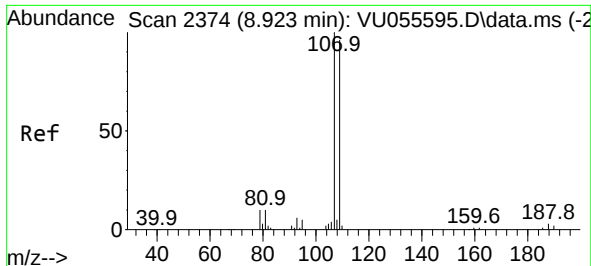
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#49
Dibromochloromethane
Concen: 5.637 ug/L
RT: 8.807 min Scan# 2338
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

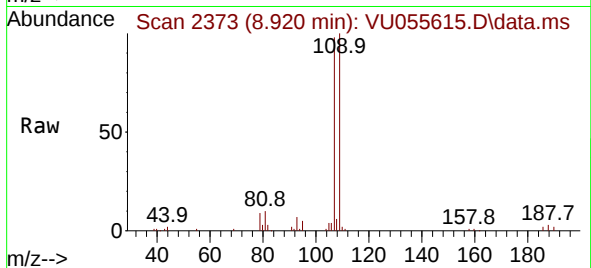
Tgt Ion:129 Resp: 52260
Ion Ratio Lower Upper
129 100
127 75.2 56.8 105.6





#50
1,2-Dibromoethane
Concen: 5.267 ug/L
RT: 8.920 min Scan# 21
Delta R.T. -0.004 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

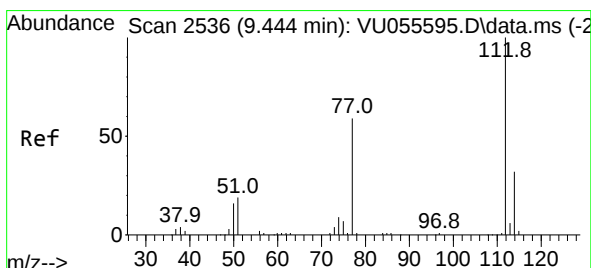
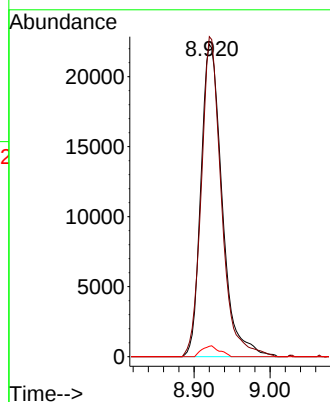
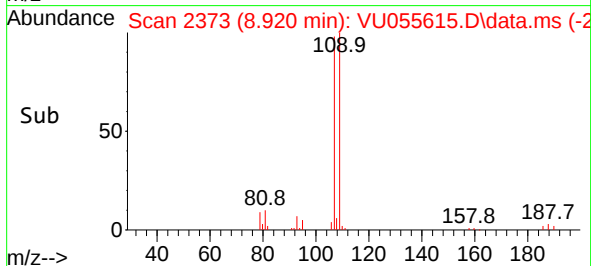
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion:107 Resp: 4323
Ion Ratio Lower Upper
107 100
109 102.5 66.1 122.8
188 3.3 3.2 4.8

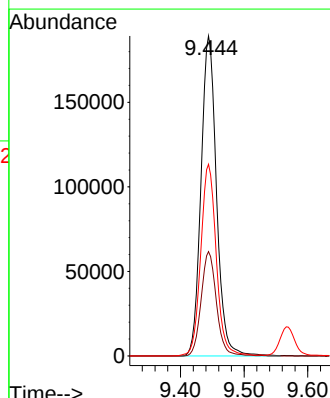
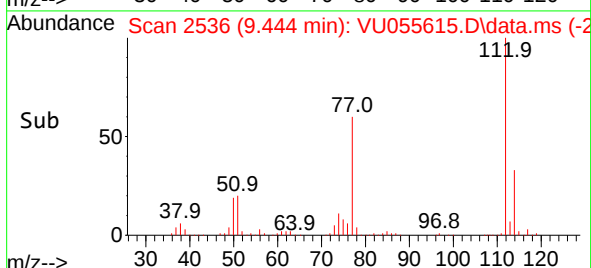
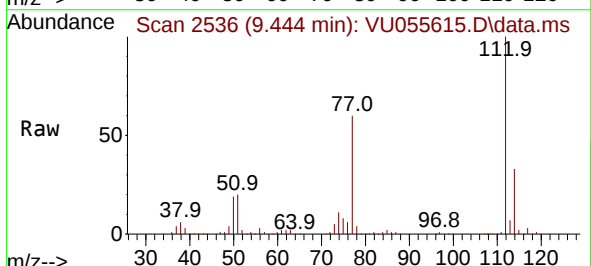
Manual Integrations
APPROVED

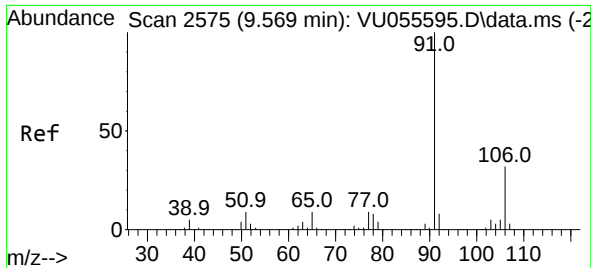
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#51
Chlorobenzene
Concen: 9.730 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion:112 Resp: 320609
Ion Ratio Lower Upper
112 100
114 32.6 22.0 40.8
77 59.9 46.9 70.3





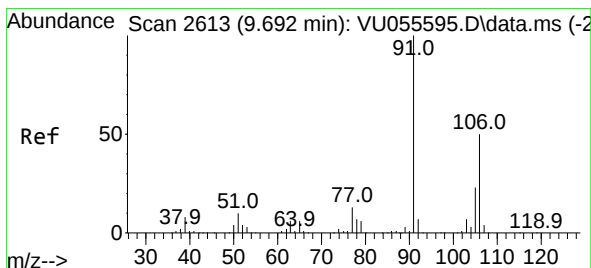
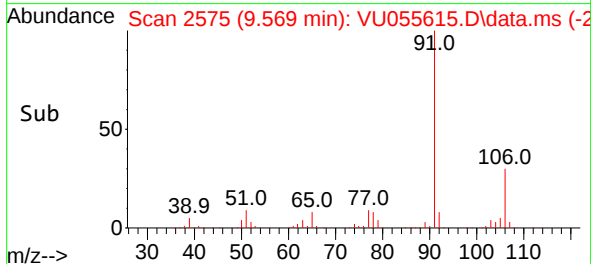
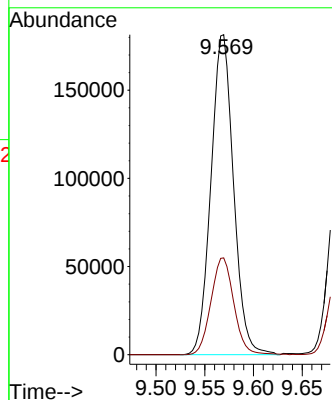
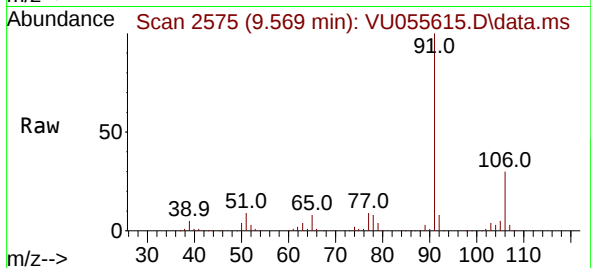
#52
Ethylbenzene
Concen: 5.296 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS

Tgt Ion: 91 Resp: 292114
Ion Ratio Lower Upper
91 100
106 30.3 22.4 41.6

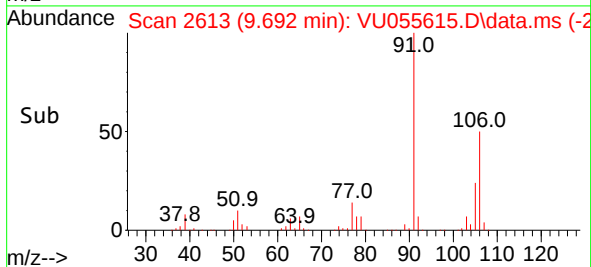
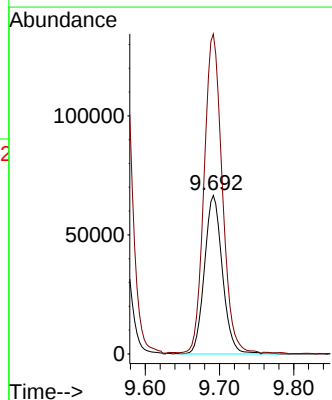
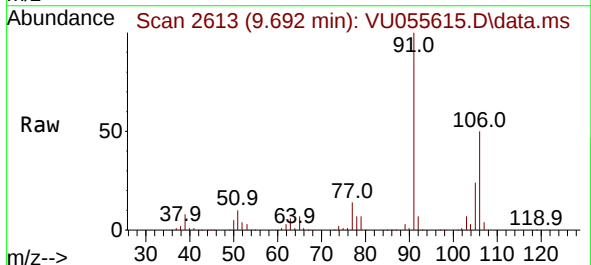
Manual Integrations
APPROVED

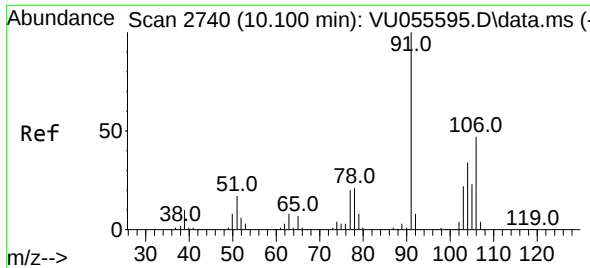
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#53
m,p-Xylene
Concen: 5.404 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion:106 Resp: 111699
Ion Ratio Lower Upper
106 100
91 201.7 144.8 269.0





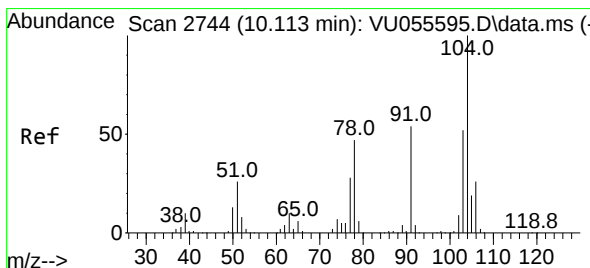
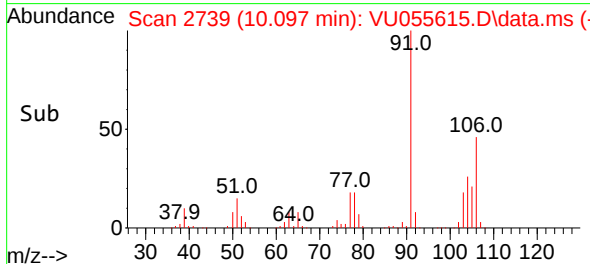
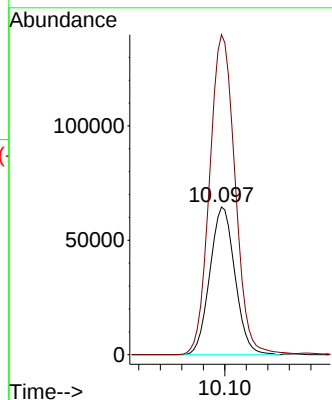
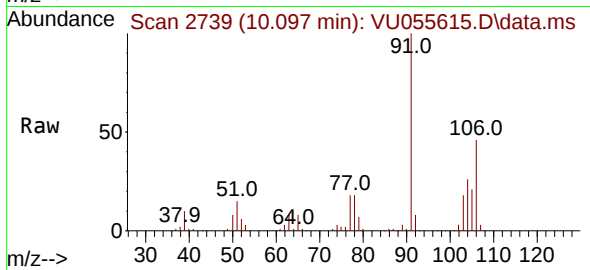
#54
o-Xylene
Concen: 5.203 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS

Tgt Ion:106 Resp: 104559
Ion Ratio Lower Upper
106 100
91 216.7 157.6 292.8

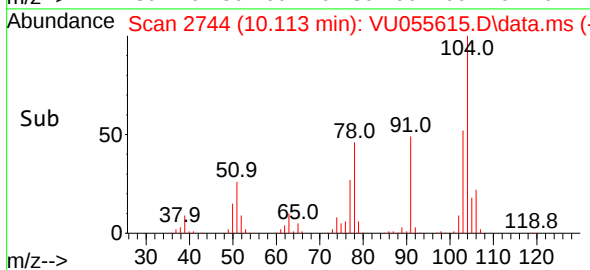
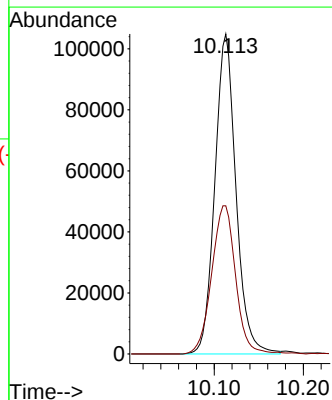
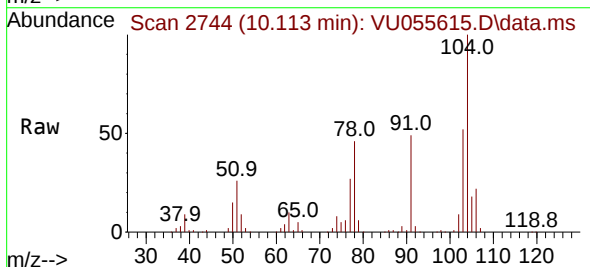
Manual Integrations
APPROVED

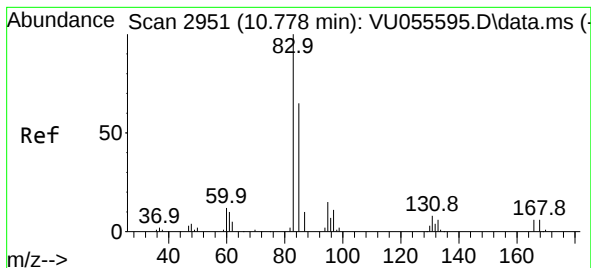
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#55
Styrene
Concen: 5.322 ug/L
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

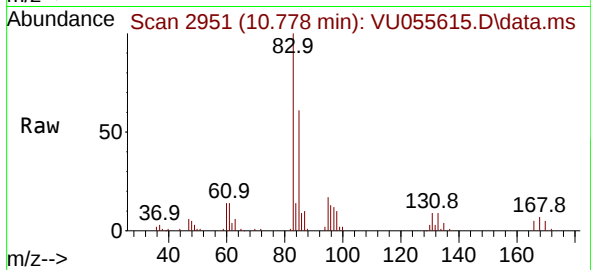
Tgt Ion:104 Resp: 172937
Ion Ratio Lower Upper
104 100
78 46.3 31.2 58.0





#57
1,1,2,2-Tetrachloroethane
Concen: 5.642 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

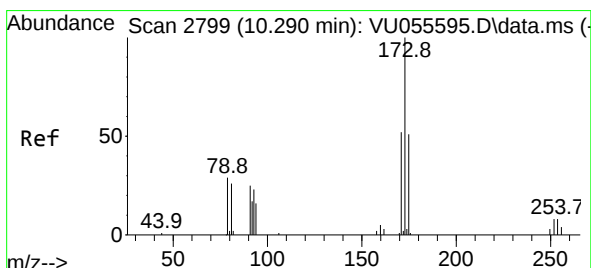
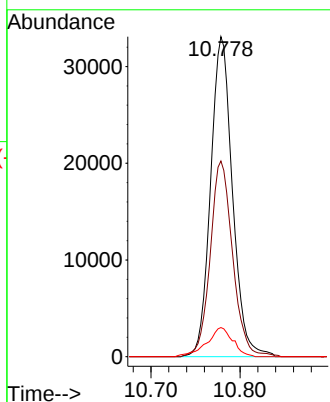
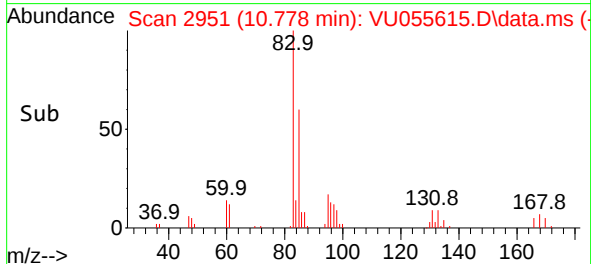
Instrument : MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion: 83 Resp: 56336
Ion Ratio Lower Upper
83 100
85 61.2 44.4 82.5
131 9.1 7.4 11.2

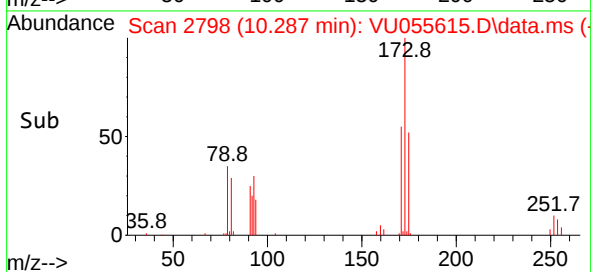
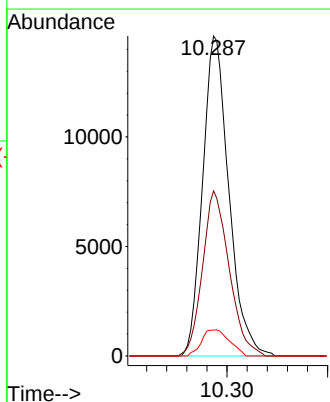
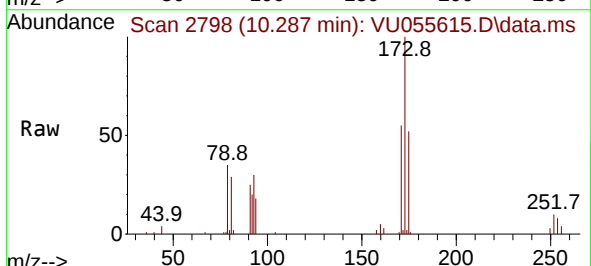
Manual Integrations
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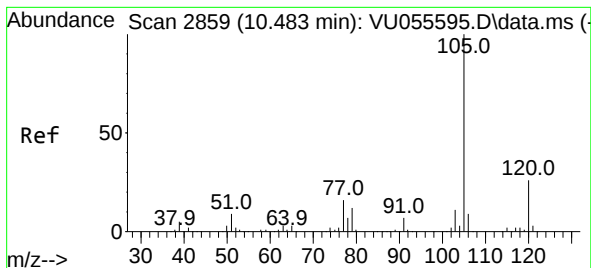
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#59
Bromoform
Concen: 5.012 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion:173 Resp: 26366
Ion Ratio Lower Upper
173 100
175 52.5 39.4 59.2
254 8.7 7.3 10.9





#60

Isopropylbenzene

Concen: 4.947 ug/L

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

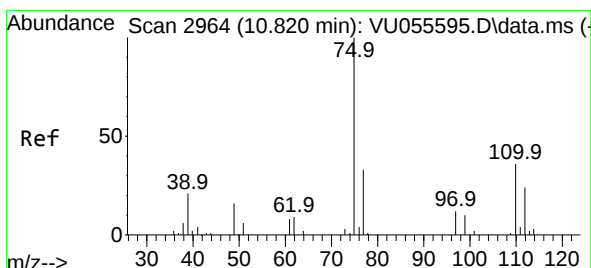
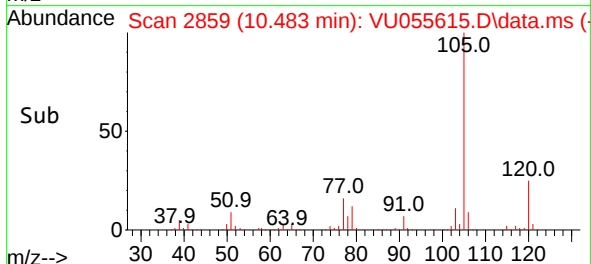
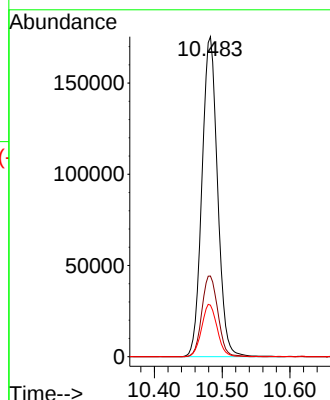
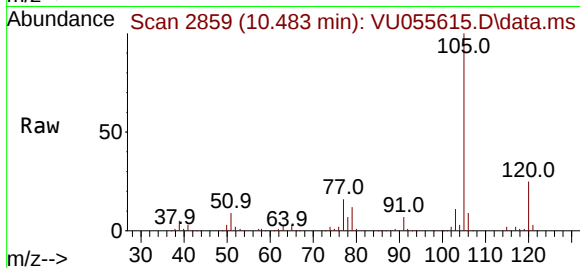
Tgt Ion:105 Resp: 27981

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.8	31.2
77	16.4	12.6	19.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#61

1,2,3-Trichloropropane

Concen: 5.052 ug/L

RT: 10.820 min Scan# 2964

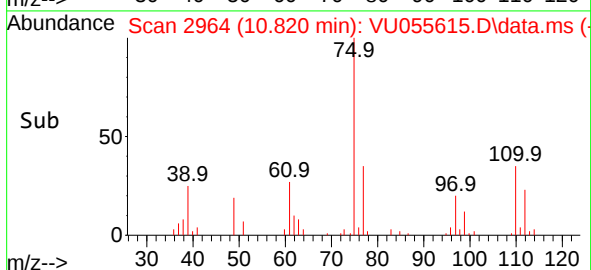
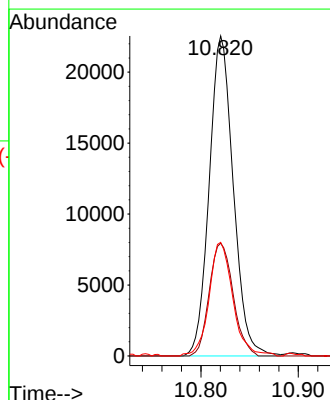
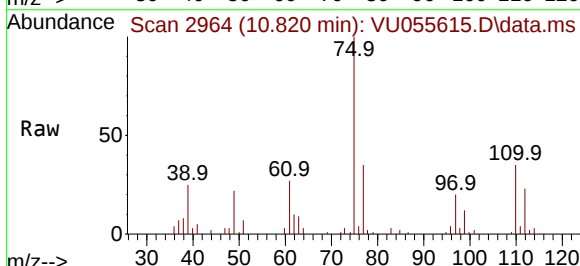
Delta R.T. -0.000 min

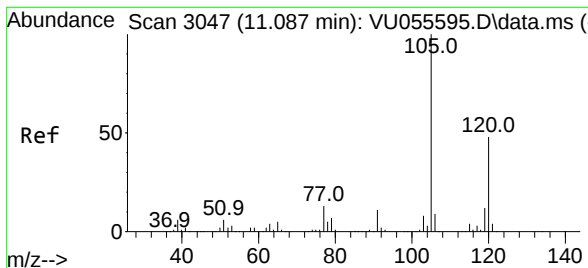
Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Tgt Ion: 75 Resp: 38703

Ion	Ratio	Lower	Upper
75	100		
110	35.0	30.6	45.8
77	35.0	26.7	40.1





#62

1,3,5-Trimethylbenzene

Concen: 4.829 ug/L

RT: 11.084 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU055615.D

Acq: 02 Oct 2023 19:29

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230927)MS

Tgt Ion:105 Resp: 21841

Ion Ratio Lower Upper

105 100

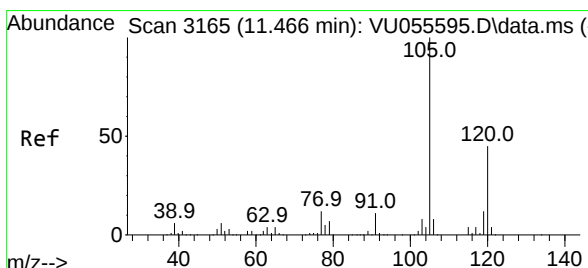
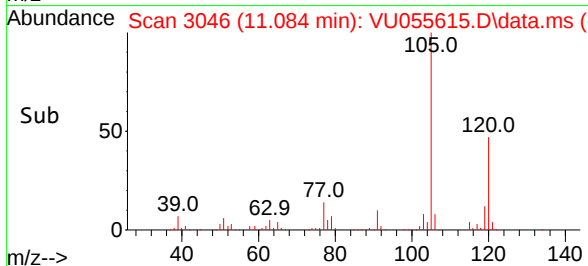
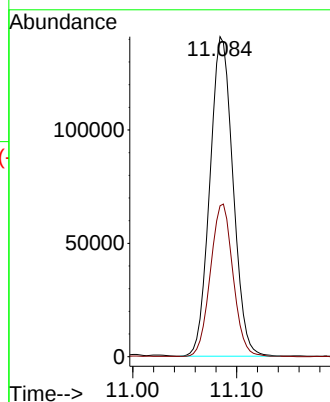
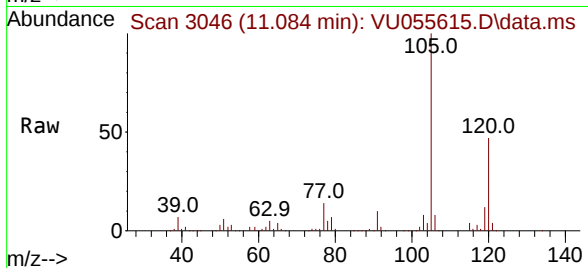
120 46.9 38.1 57.1

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Reviewed By :Mahesh Dadoda 10/03/2023

Supervised By :Semsettin Yesilyurt 10/03/2023



#63

1,2,4-Trimethylbenzene

Concen: 4.855 ug/L

RT: 11.467 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055615.D

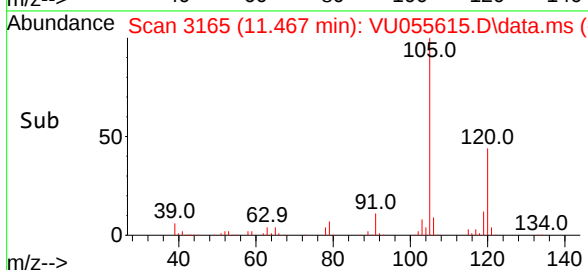
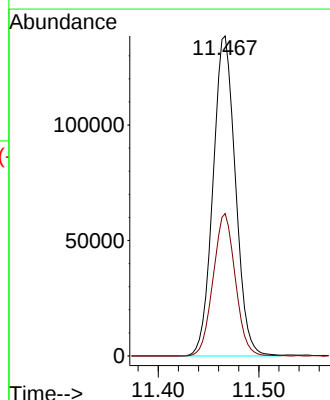
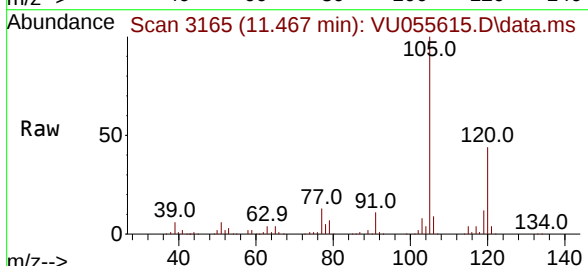
Acq: 02 Oct 2023 19:29

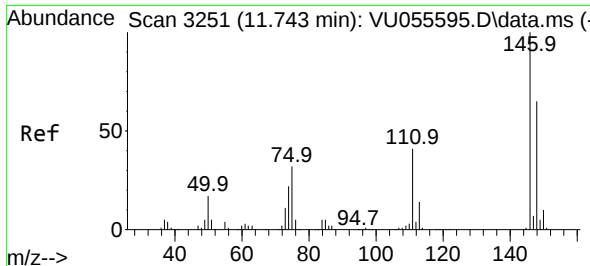
Tgt Ion:105 Resp: 214969

Ion Ratio Lower Upper

105 100

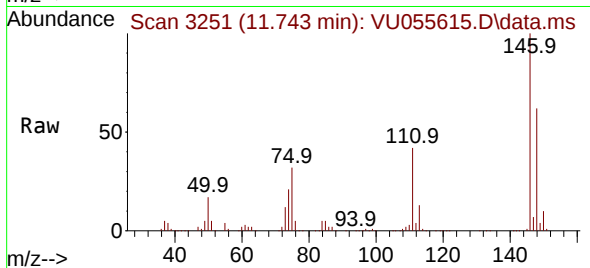
120 44.0 34.9 52.3





#64
1,3-Dichlorobenzene
Concen: 16.784 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

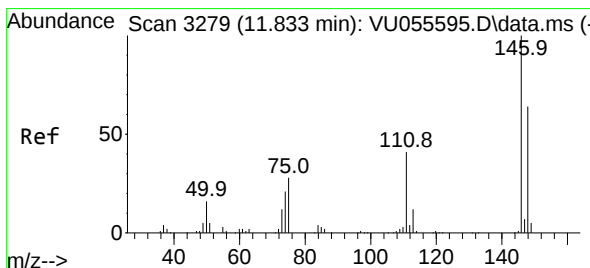
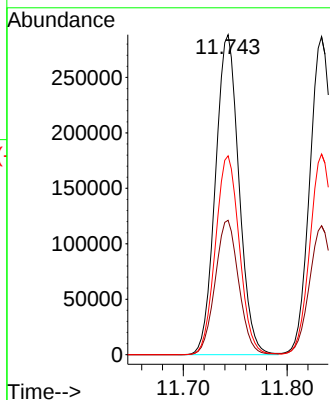
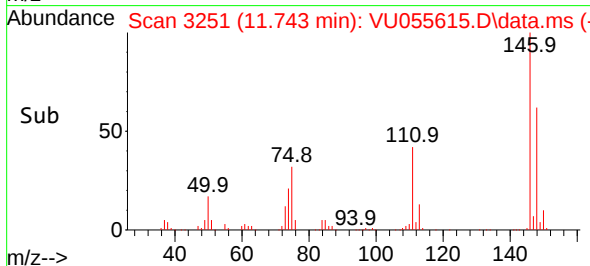
Instrument : MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



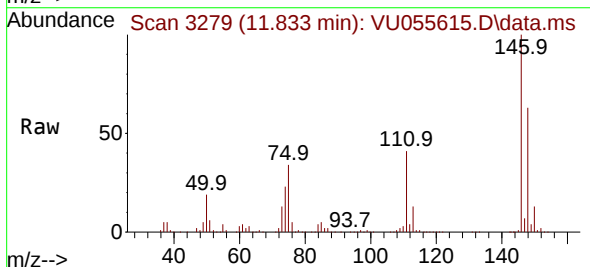
Tgt Ion:146 Resp: 454519
Ion Ratio Lower Upper
146 100
111 42.0 28.8 53.6
148 62.2 44.6 82.8

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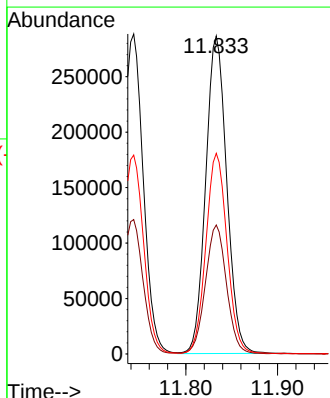
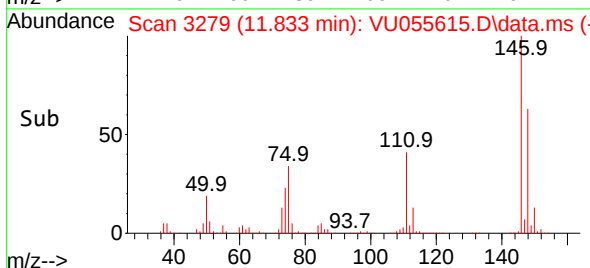
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023

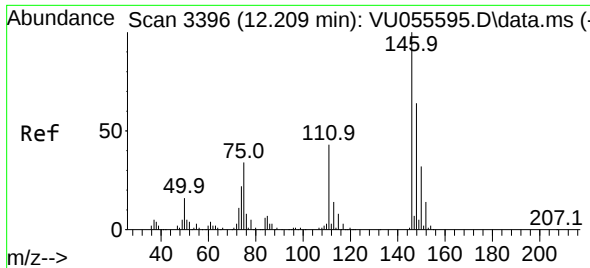


#65
1,4-Dichlorobenzene
Concen: 16.890 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29



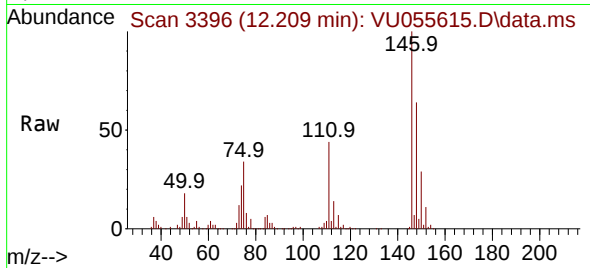
Tgt Ion:146 Resp: 457147
Ion Ratio Lower Upper
146 100
111 40.6 29.0 53.8
148 63.1 45.4 84.4





#67
1,2-Dichlorobenzene
Concen: 6.111 ug/L
RT: 12.209 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

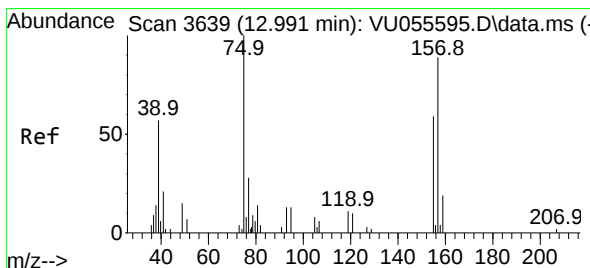
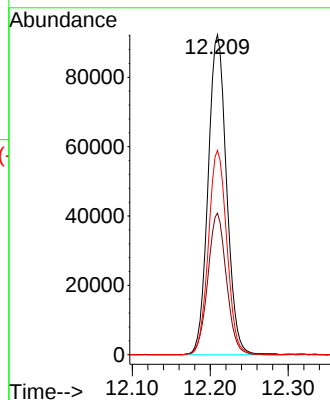
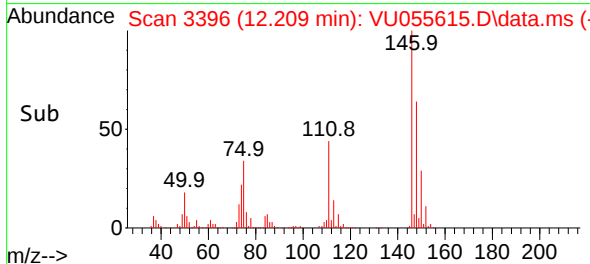
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



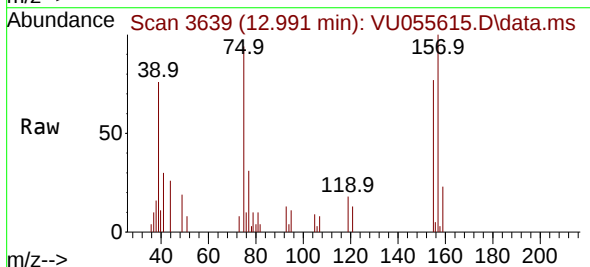
Tgt Ion:146 Resp: 15172
Ion Ratio Lower Upper
146 100
111 44.2 34.6 52.0
148 63.8 51.8 77.8

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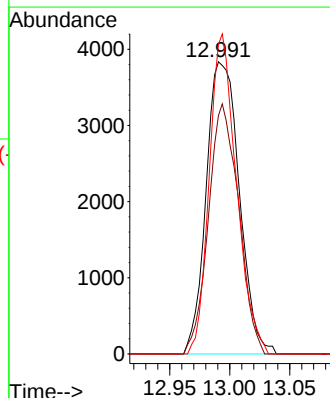
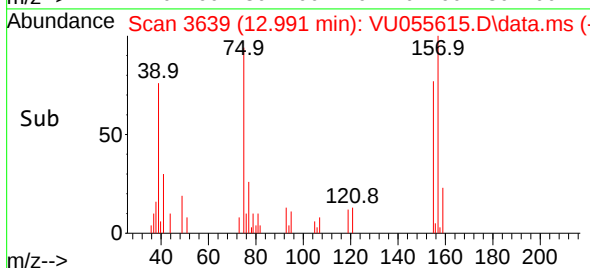
Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023

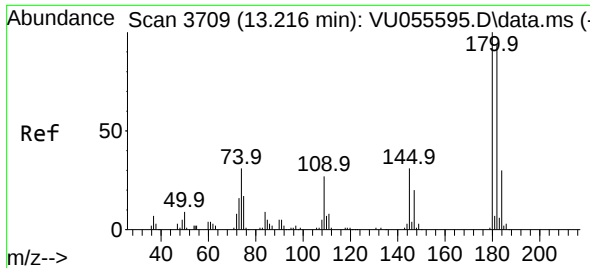


#68
1,2-Dibromo-3-chloropropane
Concen: 5.544 ug/L
RT: 12.991 min Scan# 3639
Delta R.T. -0.004 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29



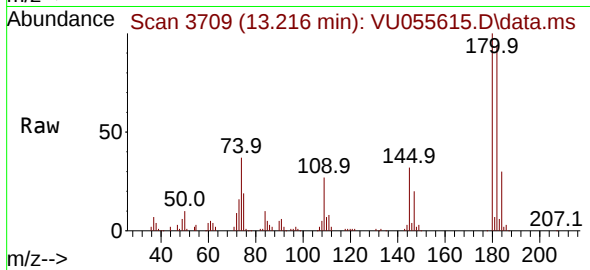
Tgt Ion: 75 Resp: 7362
Ion Ratio Lower Upper
75 100
155 81.6 69.2 103.8
157 105.9 81.9 122.9





#69
 1,3,5-Trichlorobenzene
 Concen: 5.261 ug/L
 RT: 13.216 min Scan# 3709
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

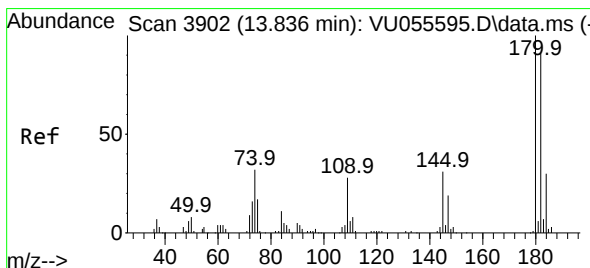
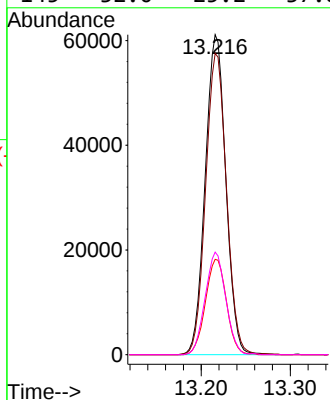
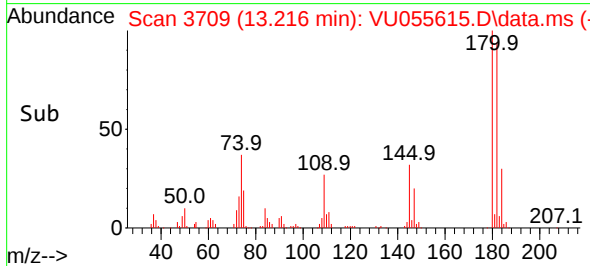
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230927)MS



Tgt Ion:180 Resp: 9810
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.1 115.7
 184 30.4 24.0 36.0
 145 32.0 25.2 37.8

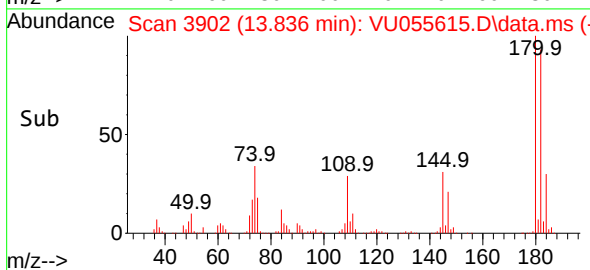
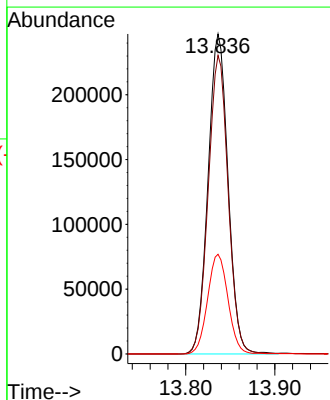
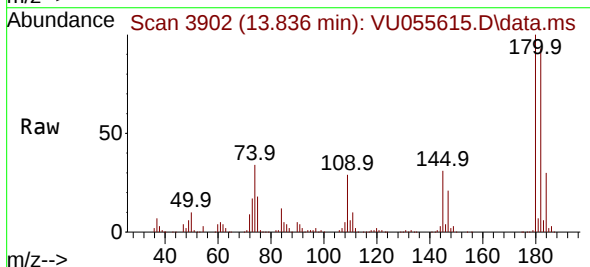
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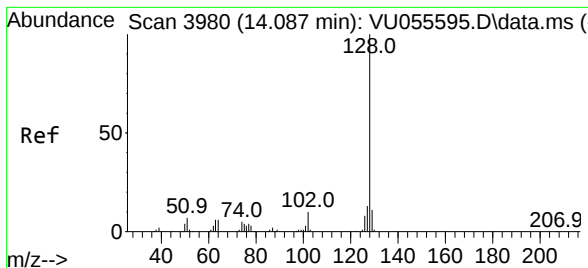
Reviewed By :Mahesh Dadoda 10/03/2023
 Supervised By :Semsettin Yesilyurt 10/03/2023



#70
 1,2,4-trichlorobenzene
 Concen: 26.965 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU055615.D
 Acq: 02 Oct 2023 19:29

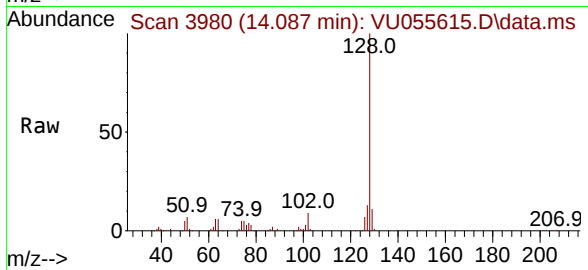
Tgt Ion:180 Resp: 383383
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.4 114.6
 145 32.0 25.4 38.0





#71
Naphthalene
Concen: 5.194 ug/L
RT: 14.087 min Scan# 3980
Delta R.T. 0.003 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

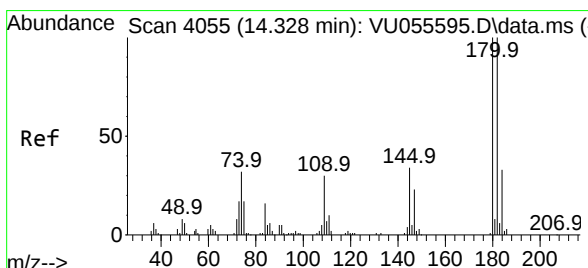
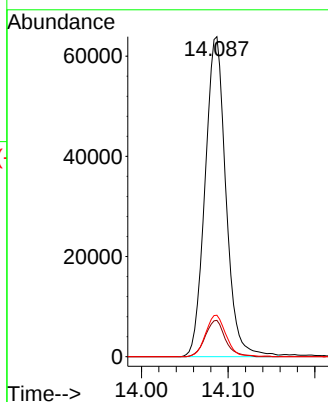
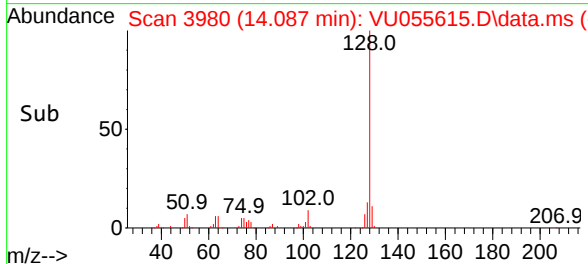
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230927)MS



Tgt Ion:128 Resp: 106910
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 12.7 10.2 15.4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/03/2023
Supervised By :Semsettin Yesilyurt 10/03/2023



#72
1,2,3-Trichlorobenzene
Concen: 5.513 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU055615.D
Acq: 02 Oct 2023 19:29

Tgt Ion:180 Resp: 68210
Ion Ratio Lower Upper
180 100
182 94.5 76.2 114.4
145 35.2 26.0 39.0

