

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051145.D
 Acq On : 05 Oct 2022 23:06
 Operator : JC/MD
 Sample : N4889-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ62

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/08/2022

Quant Time: Oct 06 06:31:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	508593	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	547416	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.812	152	290464	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	142058	27.561	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	55.120%#		
7) Chloroethane-d5	1.900	69	137116	28.638	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	57.280%#		
11) 1,1-Dichloroethene-d2	2.562	63	203599	26.741	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	53.480%#		
21) 2-Butanone-d5	4.620	46	279725	83.674	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	83.670%		
24) Chloroform-d	5.060	84	314756	37.903	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	75.800%		
26) 1,2-Dichloroethane-d4	5.700	65	205590	39.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.000%		
32) Benzene-d6	5.726	84	678688	42.338	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.680%		
36) 1,2-Dichloropropane-d6	6.697	67	227550	43.745	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	87.500%		
41) Toluene-d8	7.967	98	488150m	32.959	ug/L	0.07
Spiked Amount 50.000	Range 80 - 120		Recovery =	65.920%#		
43) trans-1,3-Dichloroprop...	8.230	79	103201	41.595	ug/L	0.05
Spiked Amount 50.000	Range 60 - 125		Recovery =	83.200%		
47) 2-Hexanone-d5	8.645	63	186831	88.951	ug/L	0.01
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.950%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	379435	41.737	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.480%		
66) 1,2-Dichlorobenzene-d4	12.192	152	276031	44.484	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.960%		
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.601	62	28728	5.372	ug/L #	19
12) 1,1-Dichloroethene	2.575	96	28604	7.887	ug/L #	15
13) Acetone	2.626	43	10452	3.915	ug/L	95
15) Methyl Acetate	2.948	43	69888	14.340	ug/L	97
19) 1,1-Dichloroethane	3.864	63	646982	88.272	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	1176915	273.180	ug/L	96
22) 2-Butanone	4.703	43	171067	46.381	ug/L	99
29) Cyclohexane	5.385	56	654703	122.829	ug/L	94
30) 1,1,1-Trichloroethane	5.314	97	1051556	163.794	ug/L	99
34) Trichloroethene	6.546	95	31305	7.242	ug/L	92
35) Methylcyclohexane	6.767	83	3317914	563.960	ug/L	96
42) Toluene	7.954	91	118954077m	6701.092	ug/L	
46) Tetrachloroethene	8.578	164	7794	2.379	ug/L	93
52) Ethylbenzene	9.568	91	29419169m	1553.710	ug/L	
53) m,p-Xylene	9.697	106	37221219m	5227.418	ug/L	
54) o-Xylene	10.105	106	24150749m	3393.390	ug/L	
61) Isopropylbenzene	10.488	105	1750442	92.769	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	3276641	212.366	ug/L	100
63) 1,2,4-Trimethylbenzene	11.471	105	11634946	752.385	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
 Data File : VU051145.D
 Acq On : 05 Oct 2022 23:06
 Operator : JC/MD
 Sample : N4889-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ62

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/08/2022

Quant Time: Oct 06 06:31:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 06 06:20:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.214	146	15308	1.532	ug/L	95

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

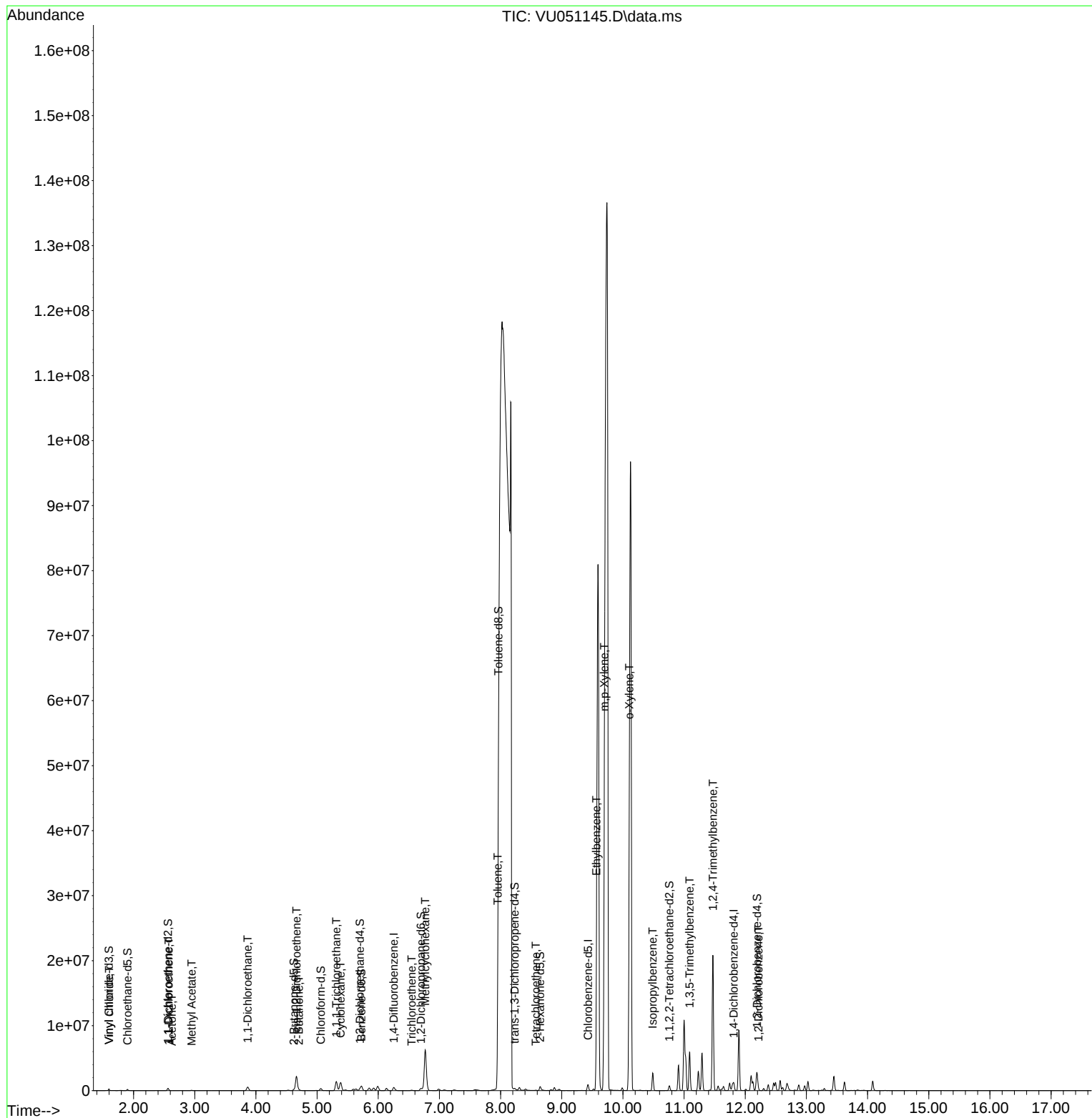
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051145.D
Acq On : 05 Oct 2022 23:06
Operator : JC/MD
Sample : N4889-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

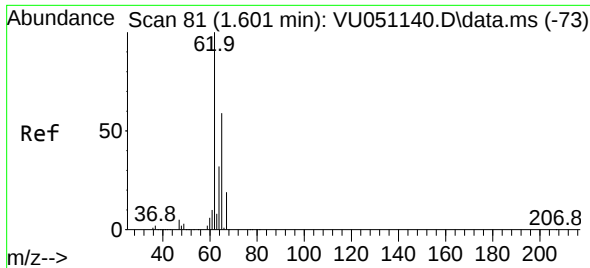
Instrument :
MSVOA_U
ClientSampleId :
EXZ62

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022

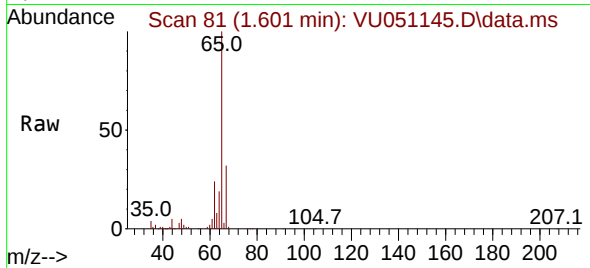
Quant Time: Oct 06 06:31:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 06 06:20:30 2022
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 5.372 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU051145.D
 Acq: 05 Oct 2022 23:06

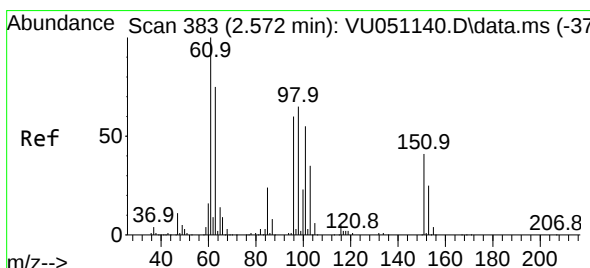
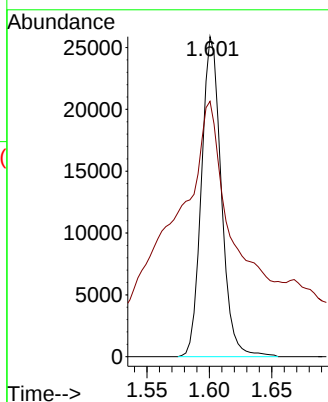
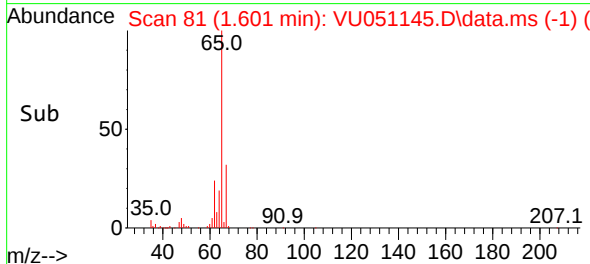
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ62



Tgt Ion: 62 Resp: 28728
 Ion Ratio Lower Upper
 62 100
 64 79.8 23.5 43.7

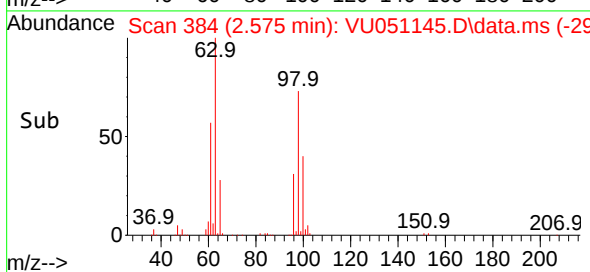
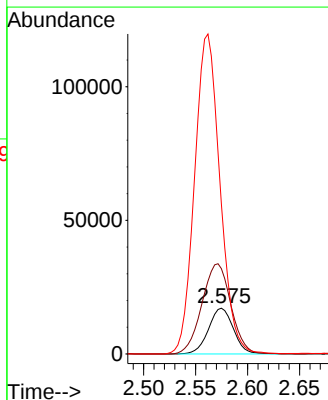
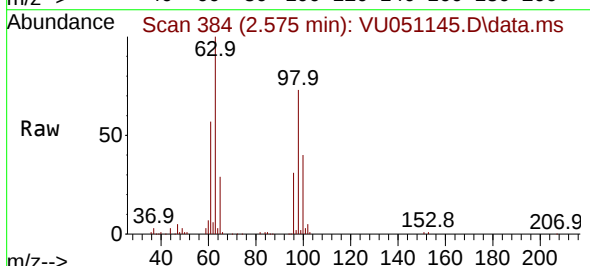
Manual Integrations
 APPROVED

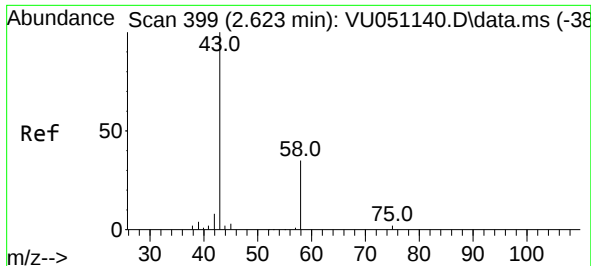
Reviewed By :Krupa Patel 10/06/2022
 Supervised By :Mahesh Dadoda 10/08/2022



#12
 1,1-Dichloroethene
 Concen: 7.887 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. 0.003 min
 Lab File: VU051145.D
 Acq: 05 Oct 2022 23:06

Tgt Ion: 96 Resp: 28604
 Ion Ratio Lower Upper
 96 100
 61 186.1 113.0 209.9
 63 326.7 91.7 170.3





#13

Acetone

Concen: 3.915 ug/L

RT: 2.626 min Scan# 40

Delta R.T. 0.003 min

Lab File: VU051145.D

Acq: 05 Oct 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

EXZ62

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

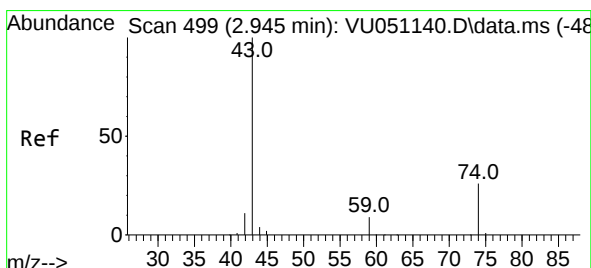
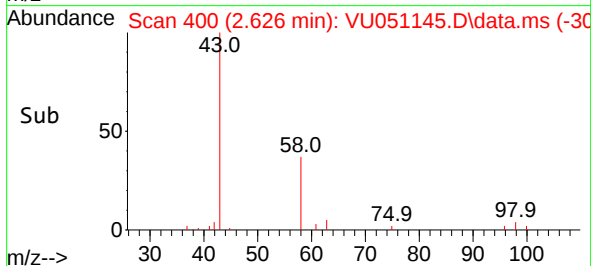
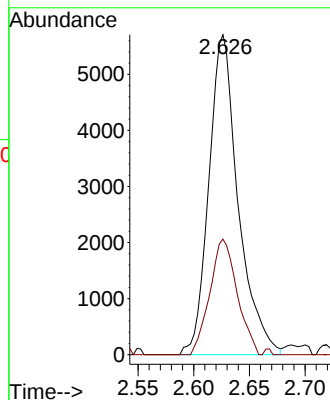
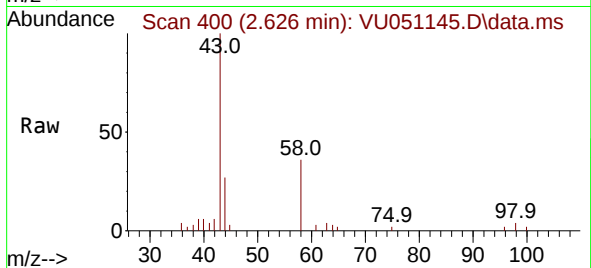
58 33.6 0.0 73.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/06/2022

Supervised By :Mahesh Dadoda 10/08/2022



#15

Methyl Acetate

Concen: 14.340 ug/L

RT: 2.948 min Scan# 500

Delta R.T. 0.003 min

Lab File: VU051145.D

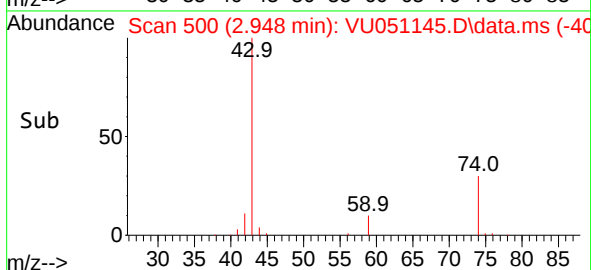
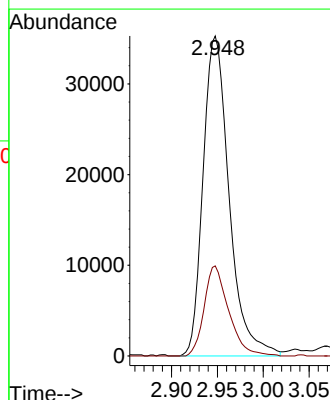
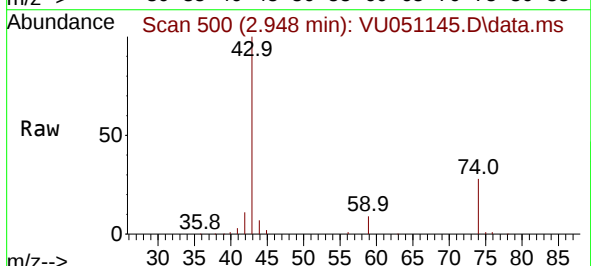
Acq: 05 Oct 2022 23:06

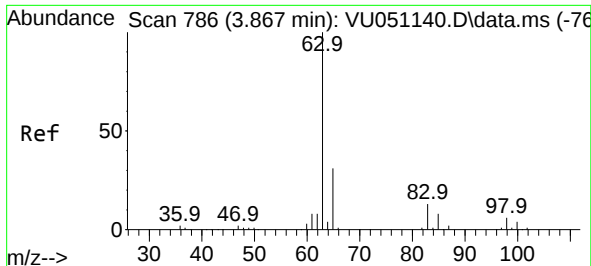
Tgt Ion: 43 Resp: 69888

Ion Ratio Lower Upper

43 100

74 26.4 22.4 33.6





#19

1,1-Dichloroethane

Concen: 88.272 ug/L

RT: 3.864 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU051145.D

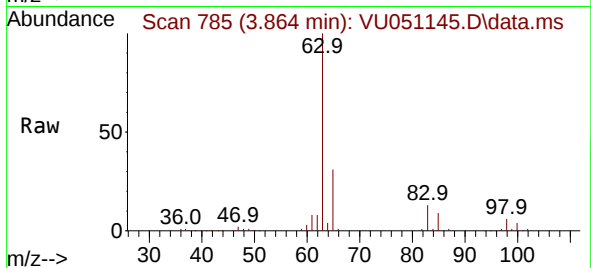
Acq: 05 Oct 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

EXZ62



Tgt Ion: 63 Resp: 64698

Ion Ratio Lower Upper

63 100

65 31.4 22.6 42.0

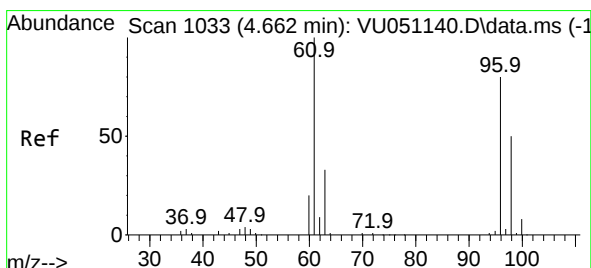
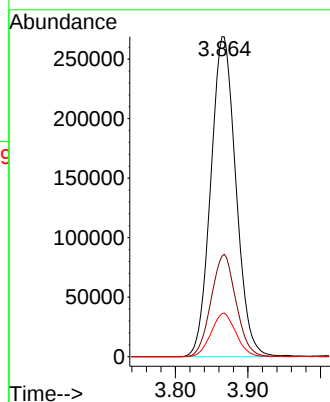
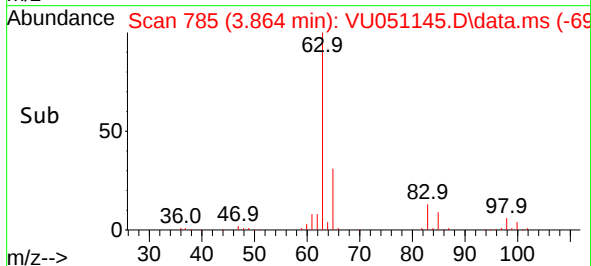
83 13.4 9.4 17.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/06/2022

Supervised By :Mahesh Dadoda 10/08/2022



#20

cis-1,2-Dichloroethene

Concen: 273.180 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU051145.D

Acq: 05 Oct 2022 23:06

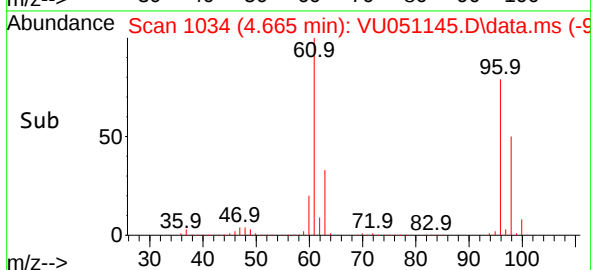
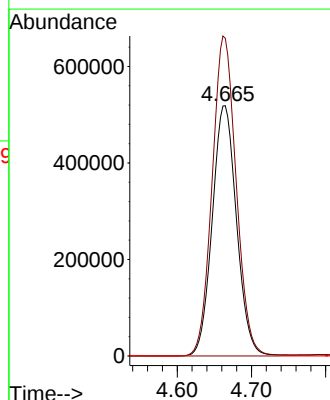
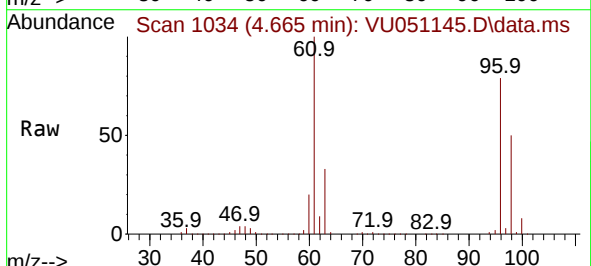
Tgt Ion: 96 Resp: 1176915

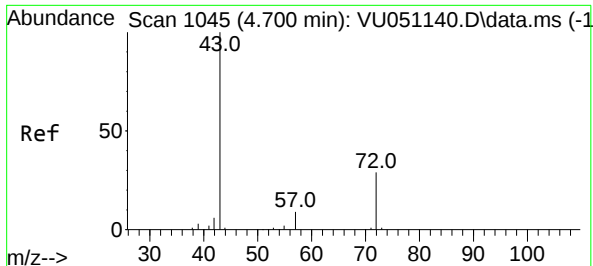
Ion Ratio Lower Upper

96 100

61 126.9 85.4 158.6

68 0.0 0.0 0.0





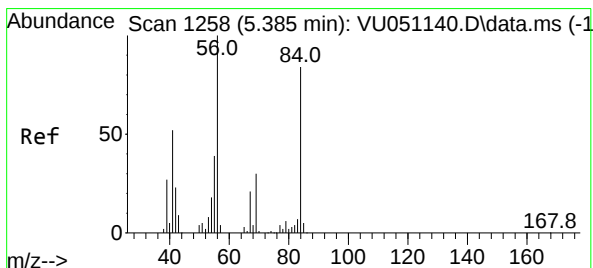
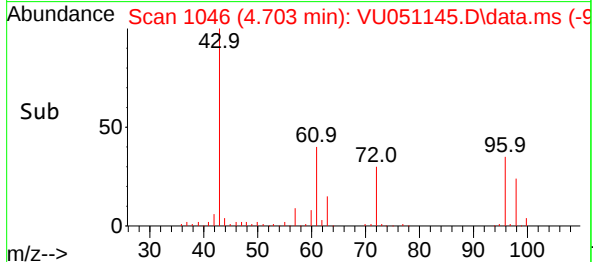
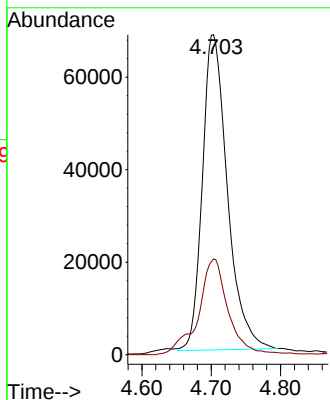
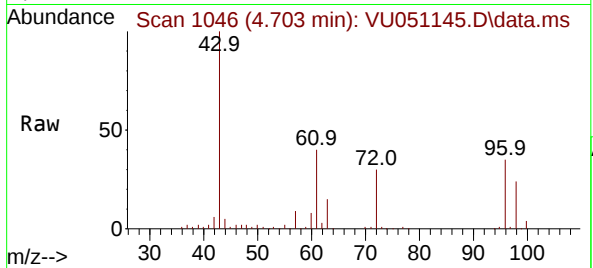
#22
2-Butanone
Concen: 46.381 ug/L
RT: 4.703 min Scan# 1045
Delta R.T. 0.003 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Instrument :
MSVOA_U
ClientSampleId :
EXZ62

Tgt Ion: 43 Resp: 17106
Ion Ratio Lower Upper
43 100
72 30.9 15.8 47.4

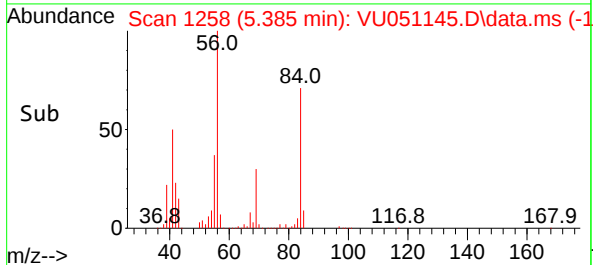
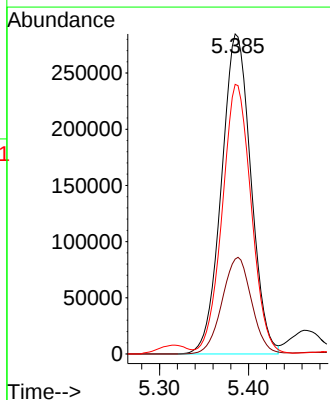
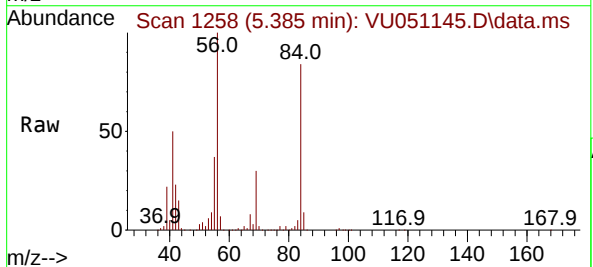
Manual Integrations
APPROVED

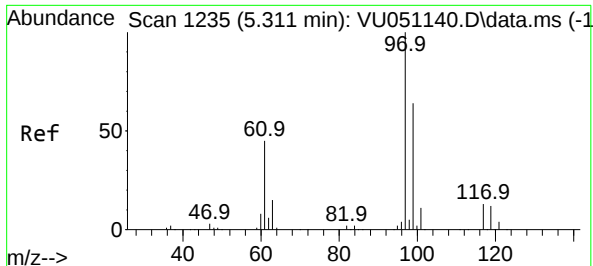
Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022



#29
Cyclohexane
Concen: 122.829 ug/L
RT: 5.385 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Tgt Ion: 56 Resp: 654703
Ion Ratio Lower Upper
56 100
69 30.2 24.8 37.2
84 82.9 71.8 107.6





#30

1,1,1-Trichloroethane

Concen: 163.794 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU051145.D

Acq: 05 Oct 2022 23:06

Instrument :

MSVOA_U

ClientSampleId :

EXZ62

Tgt Ion: 97 Resp: 105155

Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

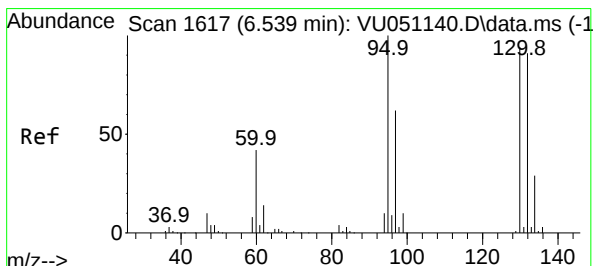
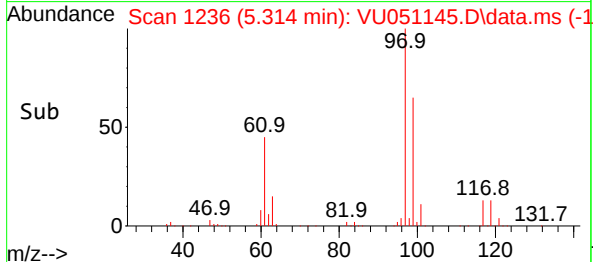
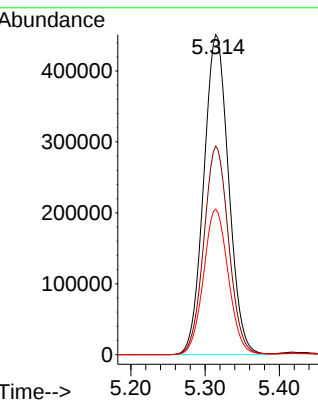
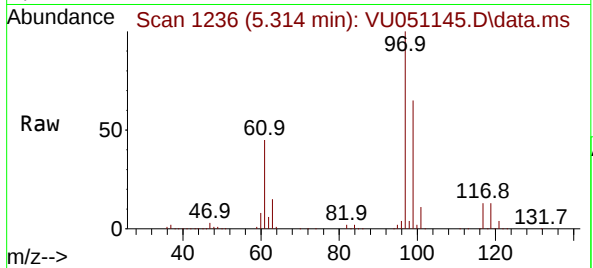
61 45.4 36.0 54.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/06/2022

Supervised By :Mahesh Dadoda 10/08/2022



#34

Trichloroethene

Concen: 7.242 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VU051145.D

Acq: 05 Oct 2022 23:06

Tgt Ion: 95 Resp: 31305

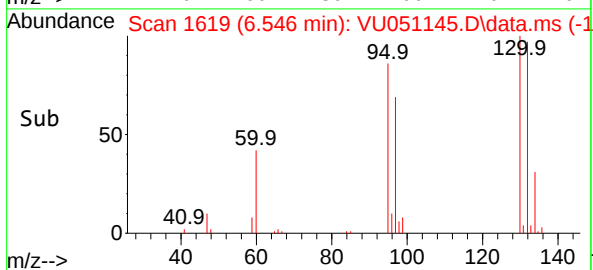
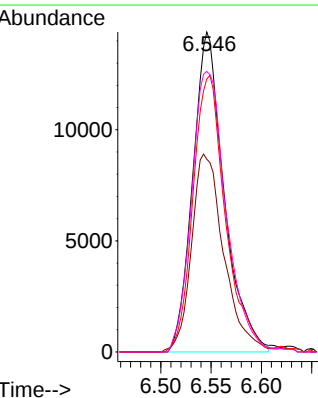
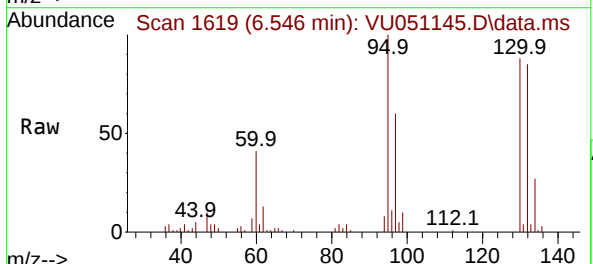
Ion Ratio Lower Upper

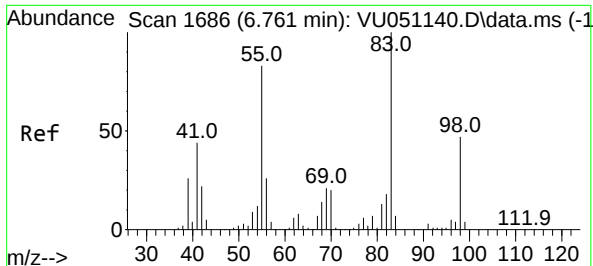
95 100

97 60.3 45.9 85.3

132 85.3 64.0 119.0

130 87.7 67.9 126.1





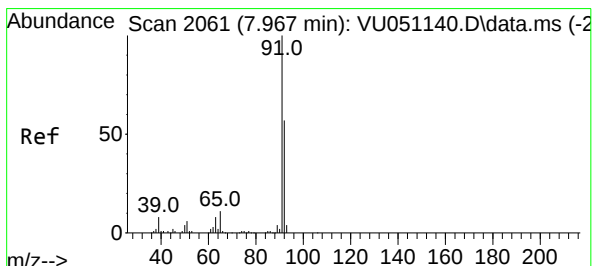
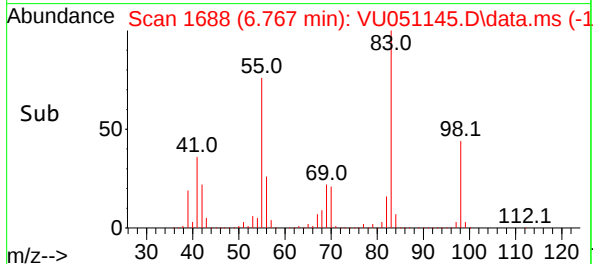
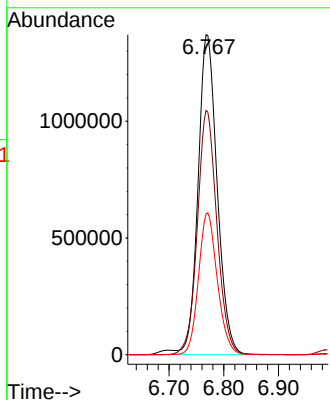
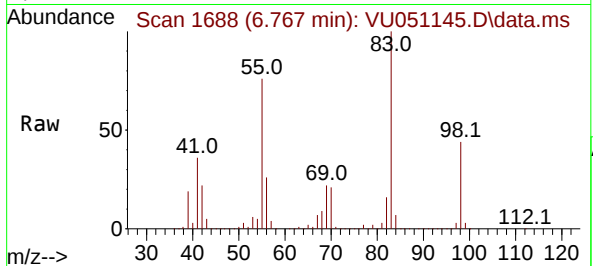
#35
Methylcyclohexane
Concen: 563.960 ug/L
RT: 6.767 min Scan# 10
Delta R.T. 0.006 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Instrument :
MSVOA_U
ClientSampleId :
EXZ62

Tgt Ion: 83 Resp: 3317914
Ion Ratio Lower Upper
83 100
55 78.5 59.3 88.9
98 43.7 36.0 54.0

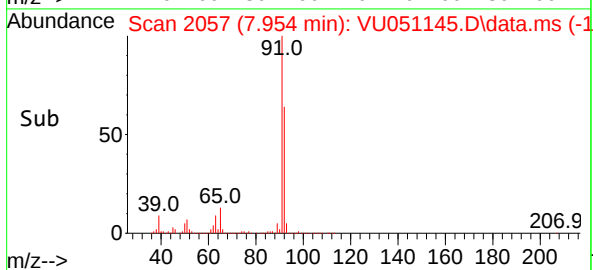
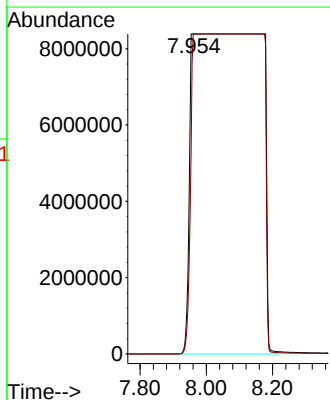
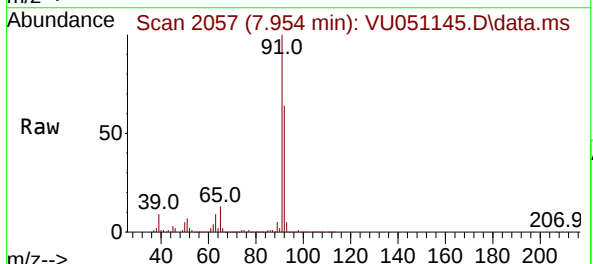
Manual Integrations
APPROVED

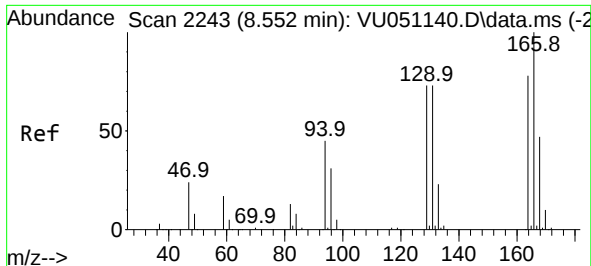
Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022



#42
Toluene
Concen: 6701.092 ug/L m
RT: 7.954 min Scan# 2057
Delta R.T. -0.013 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

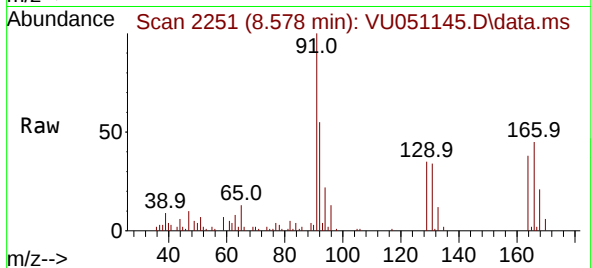
Tgt Ion: 91 Resp:118954077
Ion Ratio Lower Upper
91 100
92 64.0 40.1 74.5





#46
Tetrachloroethene
Concen: 2.379 ug/L
RT: 8.578 min Scan# 211
Delta R.T. 0.026 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

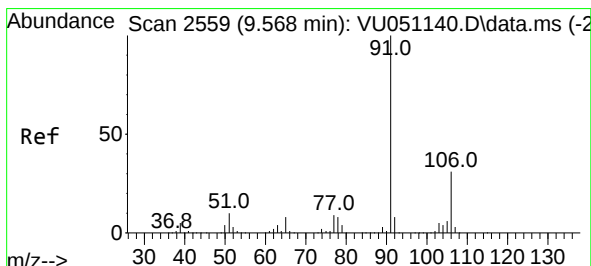
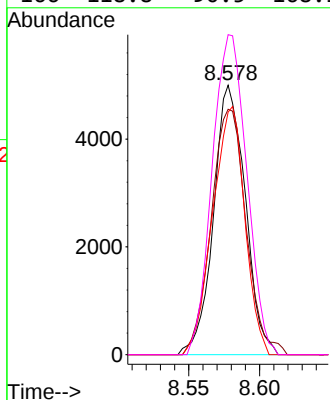
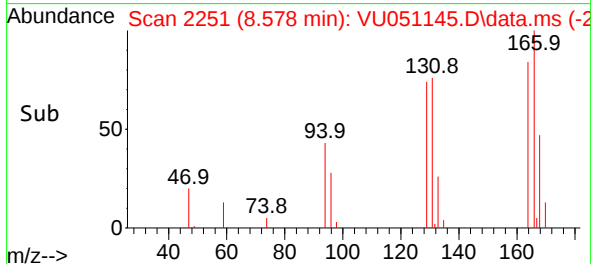
Instrument :
MSVOA_U
ClientSampleId :
EXZ62



Tgt Ion:164 Resp: 7794
Ion Ratio Lower Upper
164 100
129 91.1 68.1 126.5
131 92.5 67.8 126.0
166 118.8 90.5 168.1

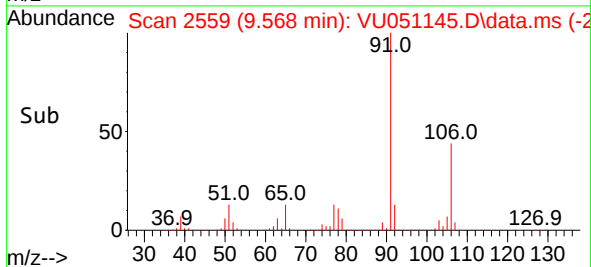
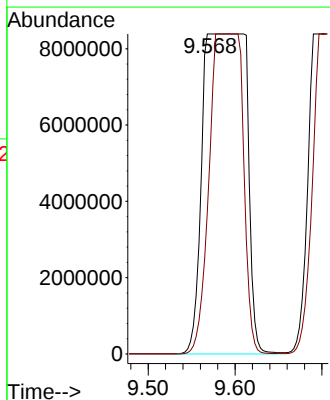
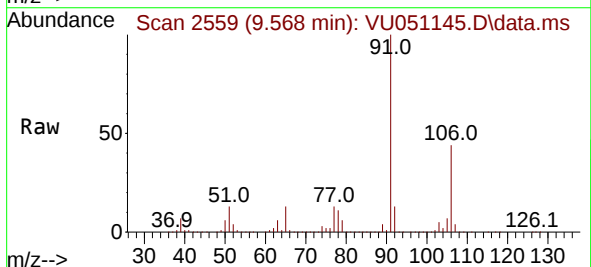
Manual Integrations
APPROVED

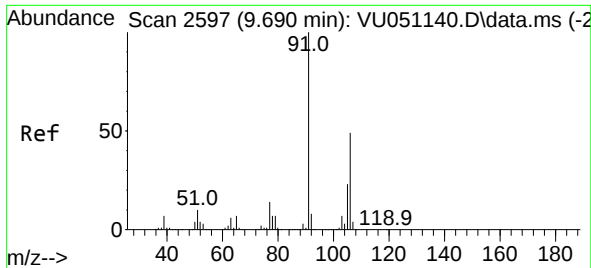
Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022



#52
Ethylbenzene
Concen: 1553.710 ug/L m
RT: 9.568 min Scan# 2559
Delta R.T. -0.000 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

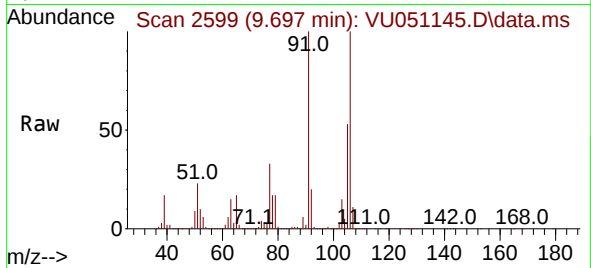
Tgt Ion: 91 Resp:29419169
Ion Ratio Lower Upper
91 100
106 44.5 21.7 40.3#





#53
m,p-Xylene
Concen: 5227.418 ug/L m
RT: 9.697 min Scan# 2597
Delta R.T. 0.006 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

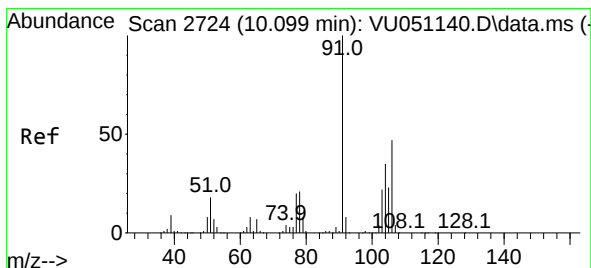
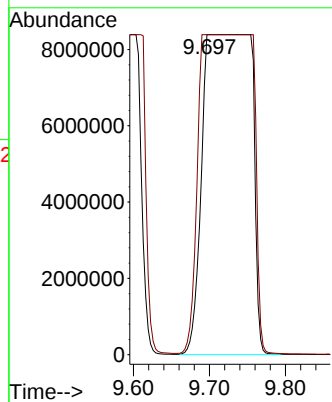
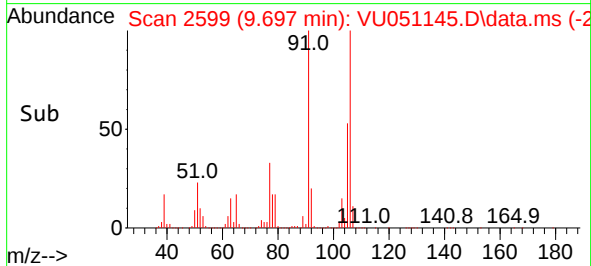
Instrument :
MSVOA_U
ClientSampleId :
EXZ62



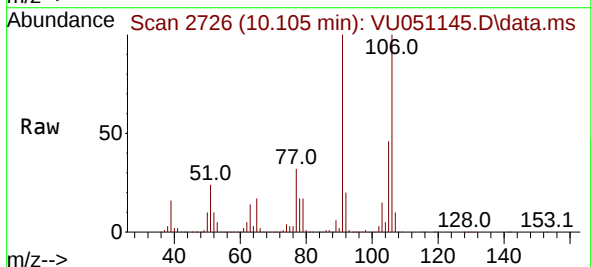
Tgt Ion:106 Resp:37221219
Ion Ratio Lower Upper
106 100
91 100.0 141.9 263.5

Manual Integrations
APPROVED

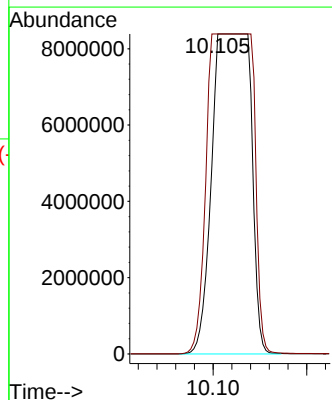
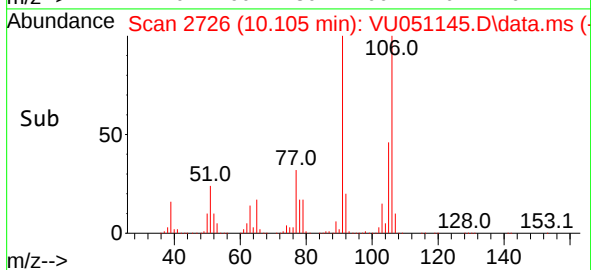
Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022

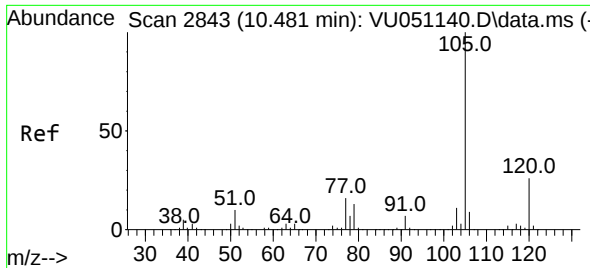


#54
o-Xylene
Concen: 3393.390 ug/L m
RT: 10.105 min Scan# 2726
Delta R.T. 0.006 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06



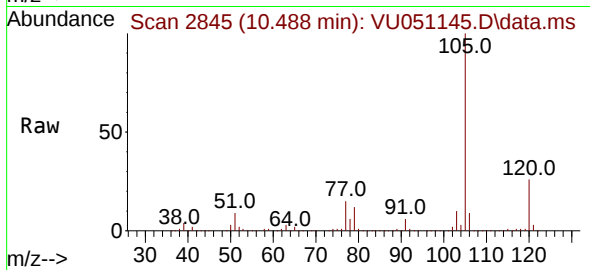
Tgt Ion:106 Resp:24150749
Ion Ratio Lower Upper
106 100
91 100.0 152.4 283.0#





#61
Isopropylbenzene
Concen: 92.769 ug/L
RT: 10.488 min Scan# 2843
Delta R.T. 0.006 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

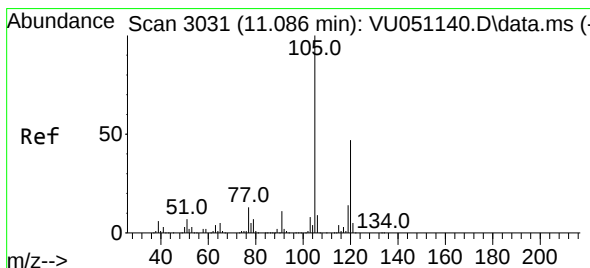
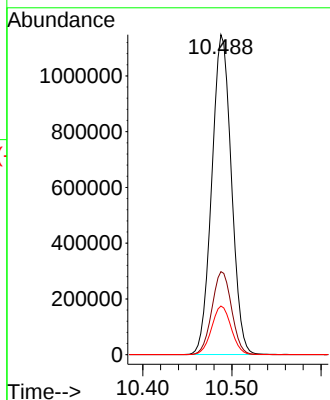
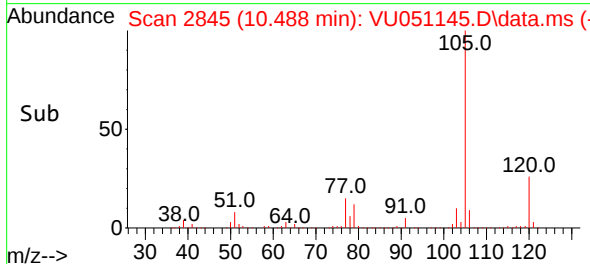
Instrument :
MSVOA_U
ClientSampleId :
EXZ62



Tgt Ion:105 Resp: 175044
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 15.2 12.8 19.2

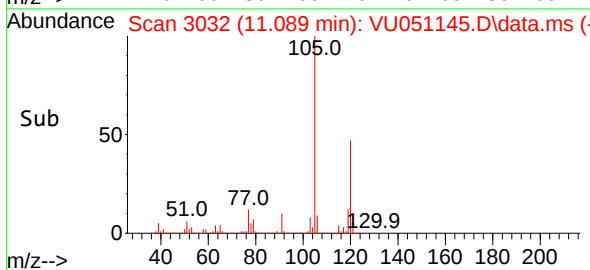
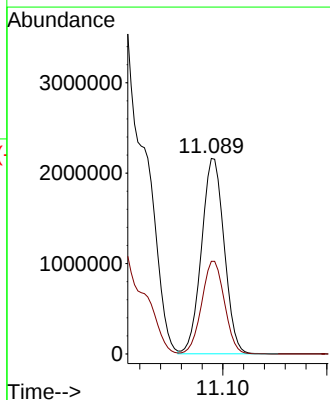
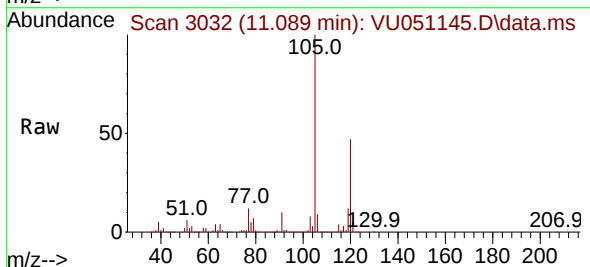
Manual Integrations
APPROVED

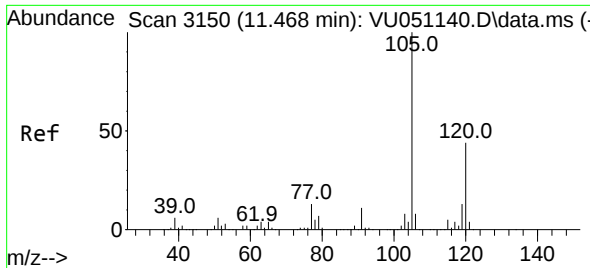
Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022



#62
1,3,5-Trimethylbenzene
Concen: 212.366 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.003 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Tgt Ion:105 Resp: 3276641
Ion Ratio Lower Upper
105 100
120 47.6 37.8 56.8





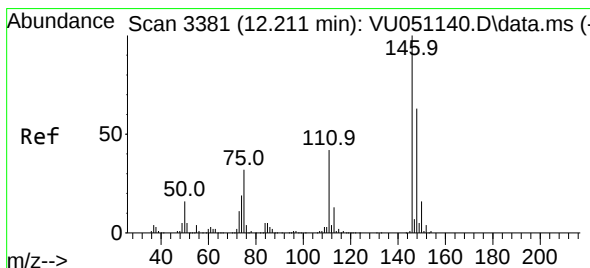
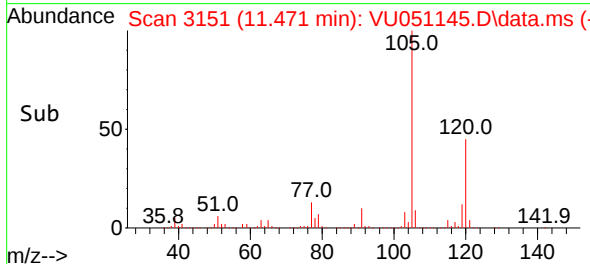
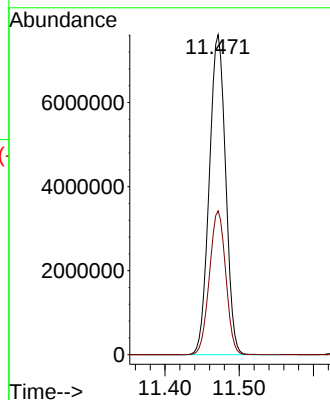
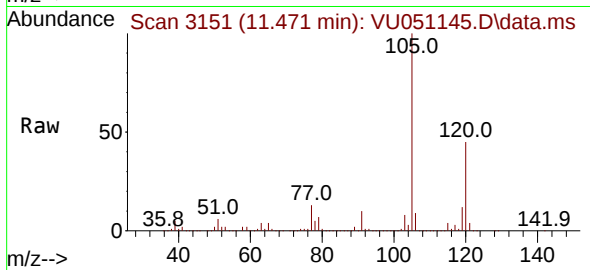
#63
1,2,4-Trimethylbenzene
Concen: 752.385 ug/L
RT: 11.471 min Scan# 3150
Delta R.T. 0.003 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Instrument :
MSVOA_U
ClientSampleId :
EXZ62

Tgt Ion:105 Resp:1163494
Ion Ratio Lower Upper
105 100
120 44.8 35.5 53.3

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/06/2022
Supervised By :Mahesh Dadoda 10/08/2022



#67
1,2-Dichlorobenzene
Concen: 1.532 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. 0.003 min
Lab File: VU051145.D
Acq: 05 Oct 2022 23:06

Tgt Ion:146 Resp: 15308
Ion Ratio Lower Upper
146 100
111 48.5 33.7 50.5
148 62.4 50.8 76.2

