

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046543.D
 Acq On : 21 Dec 2021 23:21
 Operator : SY/MD
 Sample : M5170-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AN8

Quant Time: Dec 22 05:48:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 12/24/2021
 Supervised By :Mahesh Dadoda 12/28/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	85444	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	83892	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	43760	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	32689	4.857	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.200%
7) Chloroethane-d5	1.922	69	25455	4.803	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.000%
11) 1,1-Dichloroethene-d2	2.575	65	12859	4.531	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.600%
20) 2-Butanone-d5	4.684	46	81167	41.577	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.160%
24) Chloroform-d	5.073	84	57350	4.650	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
26) 1,2-Dichloroethane-d4	5.707	65	35548	5.042	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
32) Benzene-d6	5.732	84	115417	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
36) 1,2-Dichloropropane-d6	6.694	67	35834	5.099	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.899	98	104419	4.920	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
43) trans-1,3-Dichloroprop...	8.182	79	16013	4.927	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.600%
46) 2-Hexanone-d5	8.636	63	103891	54.445	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.900%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	35327	4.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	42214	5.237	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.610	62	20173	1.820	ug/L	98
12) 1,1-Dichloroethene	2.591	96	87611	11.656	ug/L #	71
13) Acetone	2.671	43	17013m	9.295	ug/L	
18) trans-1,2-Dichloroethene	3.366	96	334789	41.753	ug/L	94
19) 1,1-Dichloroethane	3.880	63	4089	0.277	ug/L	99
22) cis-1,2-Dichloroethene	4.681	96	27173520	3100.491	ug/L	83
33) Benzene	5.781	78	3657	0.110	ug/L	100
34) Trichloroethene	6.546	95	957771	108.999	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	13493	2.114	ug/L	98
42) Toluene	7.970	91	19499	0.570	ug/L	99
47) Tetrachloroethene	8.559	164	939528	151.103	ug/L	97
51) Chlorobenzene	9.449	112	1616	0.074	ug/L	93
52) Ethylbenzene	9.571	91	15556	0.439	ug/L	99
53) m,p-Xylene	9.694	106	14097	1.039	ug/L	100
54) o-Xylene	10.102	106	3636	0.279	ug/L	91
60) Isopropylbenzene	10.484	105	3274m	0.097	ug/L	
62) 1,3,5-Trimethylbenzene	11.089	105	13213	0.471	ug/L	98
63) 1,2,4-Trimethylbenzene	11.468	105	75817	2.682	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
 Data File : VU046543.D
 Acq On : 21 Dec 2021 23:21
 Operator : SY/MD
 Sample : M5170-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0AN8

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/24/2021
 Supervised By :Mahesh Dadoda 12/28/2021

Quant Time: Dec 22 05:48:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 21 14:35:13 2021
 Response via : Initial Calibration

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

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

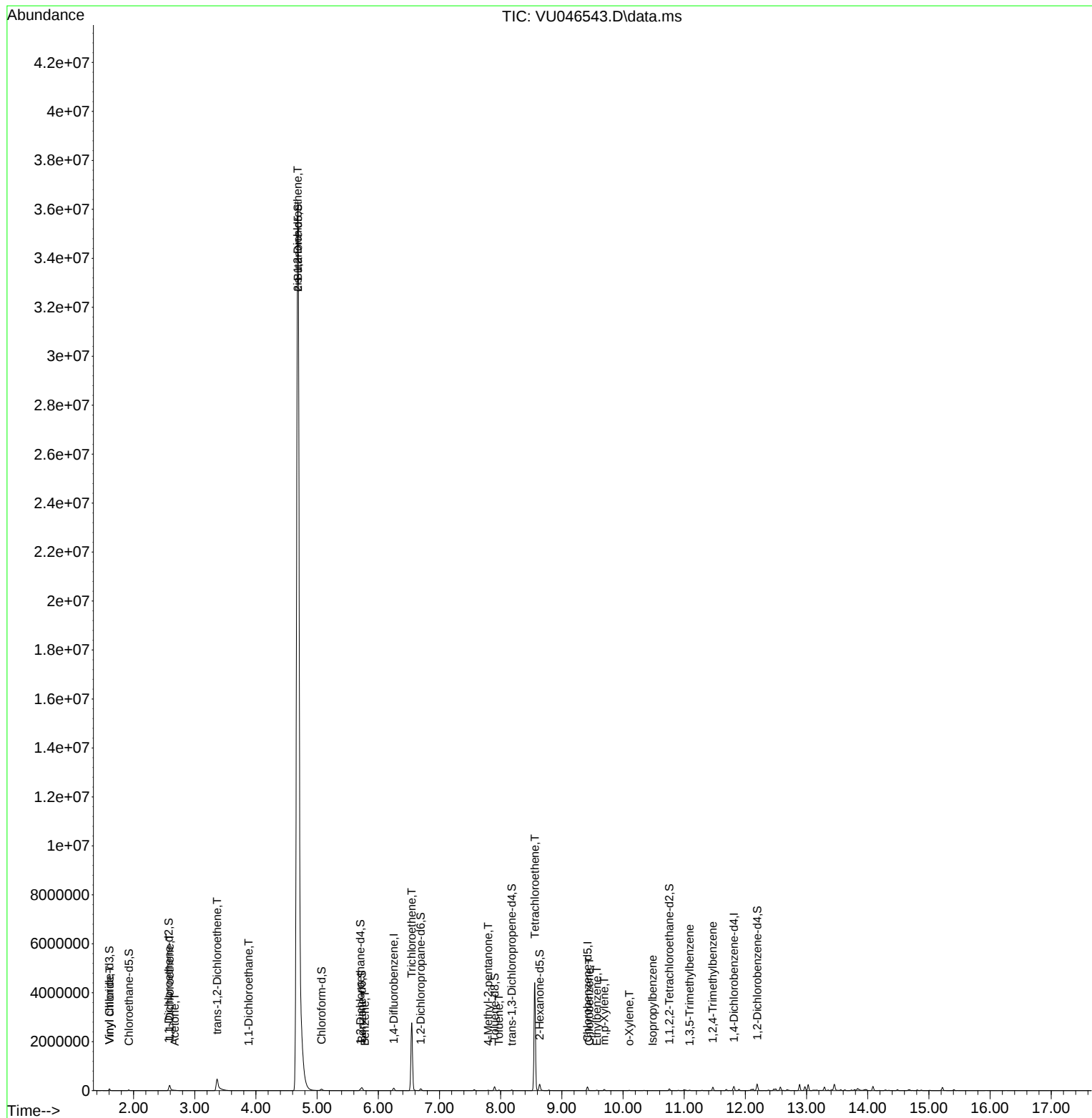
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122121\
Data File : VU046543.D
Acq On : 21 Dec 2021 23:21
Operator : SY/MD
Sample : M5170-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

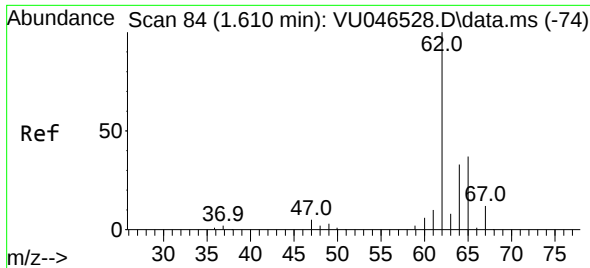
Instrument :
MSVOA_U
ClientSampleId :
H0AN8

Manual Integrations
APPROVED

Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021

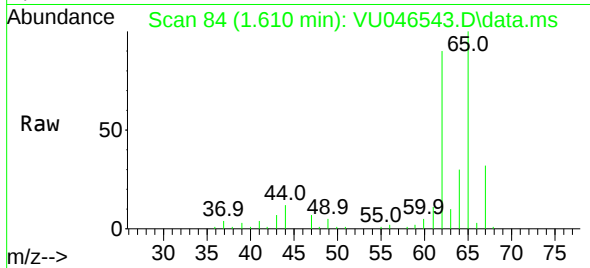
Quant Time: Dec 22 05:48:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122121WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Dec 21 14:35:13 2021
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 1.820 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.013 min
 Lab File: VU046543.D
 Acq: 21 Dec 2021 23:21

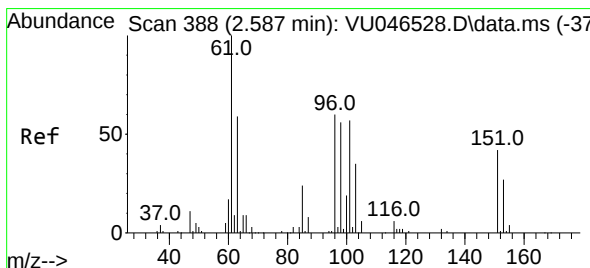
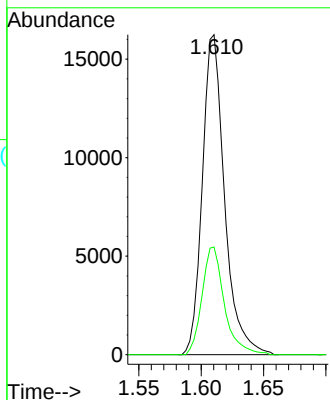
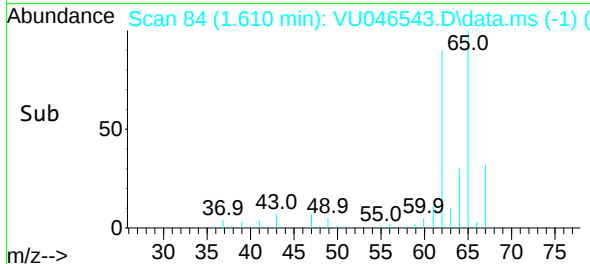
Instrument :
 MSVOA_U
 ClientSampleId :
 H0AN8



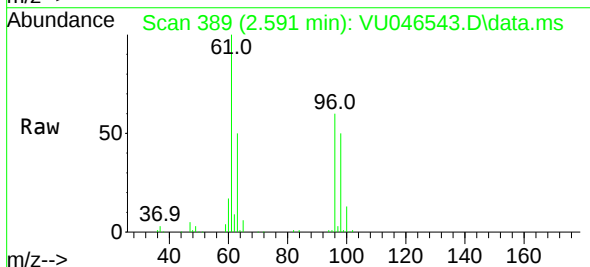
Tgt Ion: 62 Resp: 2017
 Ion Ratio Lower Upper
 62 100
 64 33.6 22.9 42.5

Manual Integrations
 APPROVED

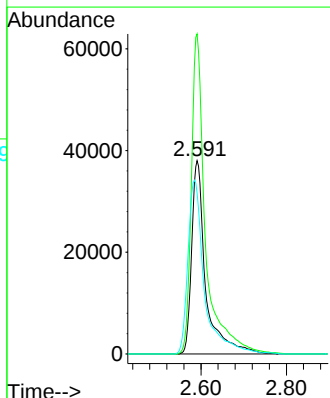
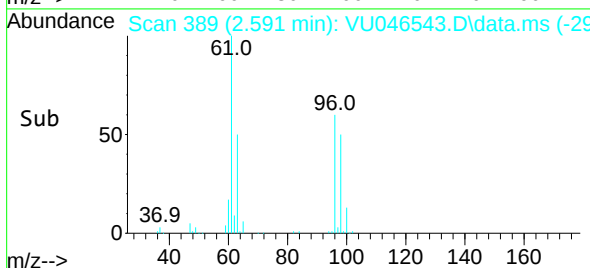
Reviewed By :Amit Patel 12/24/2021
 Supervised By :Mahesh Dadoda 12/28/2021

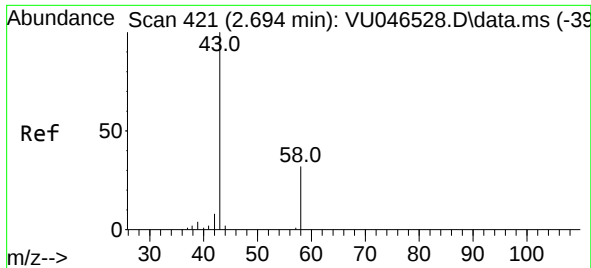


#12
 1,1-Dichloroethene
 Concen: 11.656 ug/L
 RT: 2.591 min Scan# 389
 Delta R.T. 0.016 min
 Lab File: VU046543.D
 Acq: 21 Dec 2021 23:21



Tgt Ion: 96 Resp: 87611
 Ion Ratio Lower Upper
 96 100
 61 165.6 124.7 231.5
 63 83.4 105.2 195.4#





#13

Acetone

Concen: 9.295 ug/L m

RT: 2.671 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Instrument :

MSVOA_U

ClientSampleId :

H0AN8

Tgt Ion: 43 Resp: 1701

Ion Ratio Lower Upper

43 100

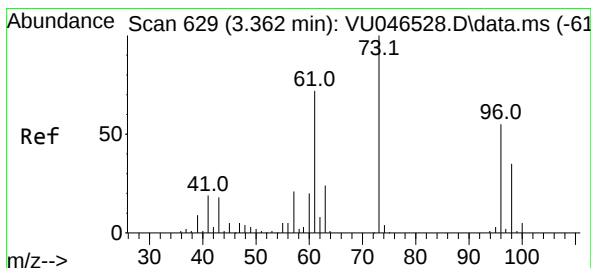
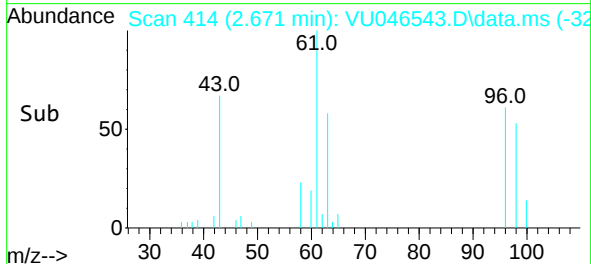
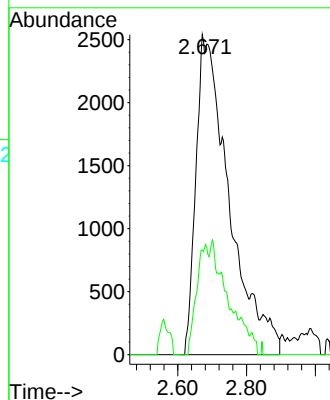
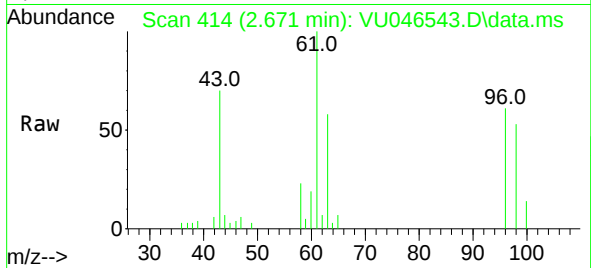
58 12.6 0.0 71.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Mahesh Dadoda 12/28/2021



#18

trans-1,2-Dichloroethene

Concen: 41.753 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.016 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

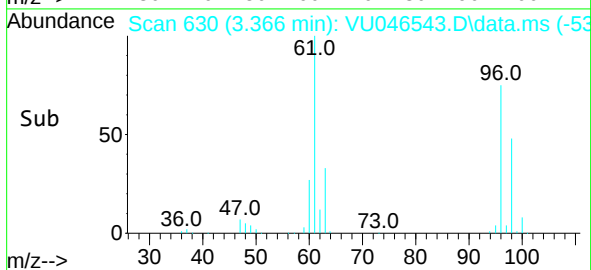
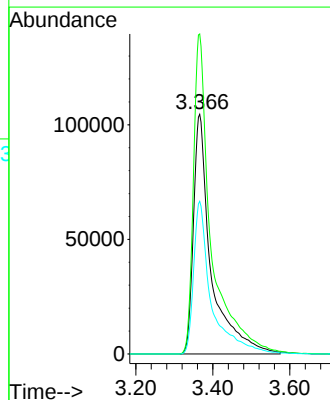
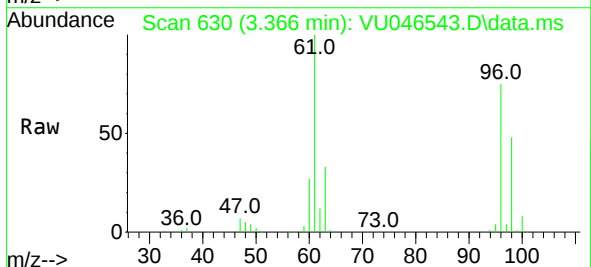
Tgt Ion: 96 Resp: 334789

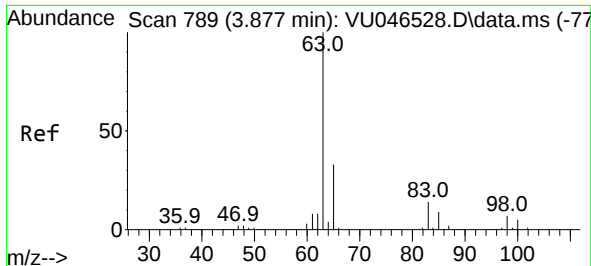
Ion Ratio Lower Upper

96 100

61 133.5 100.8 187.2

98 63.7 45.1 83.7





#19

1,1-Dichloroethane

Concen: 0.277 ug/L

RT: 3.880 min Scan# 79

Delta R.T. 0.016 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Instrument :

MSVOA_U

ClientSampleId :

H0AN8

Tgt Ion: 63 Resp: 4089

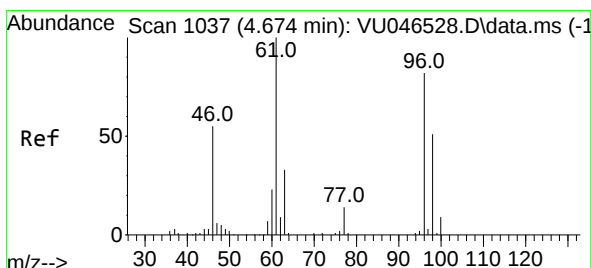
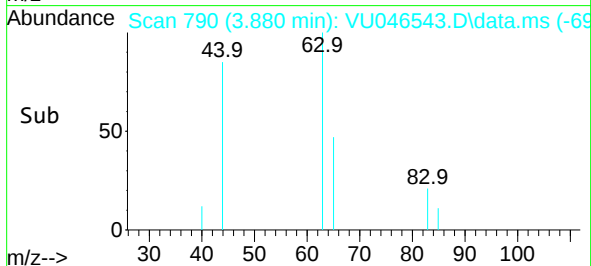
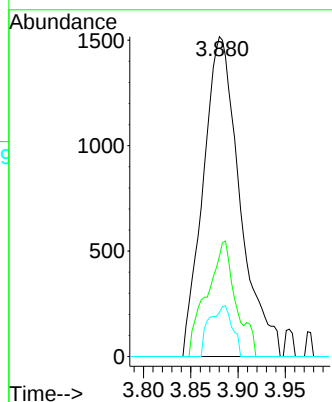
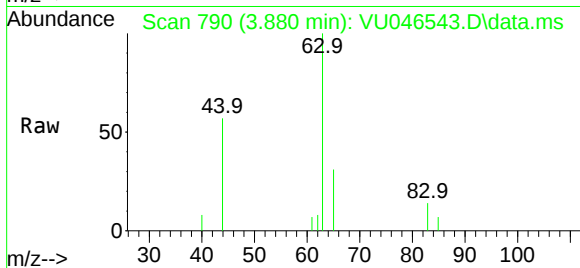
Ion	Ratio	Lower	Upper
63	100		
65	31.3	22.3	41.5
83	13.8	9.6	17.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Mahesh Dadoda 12/28/2021



#22

cis-1,2-Dichloroethene

Concen: 3100.491 ug/L

RT: 4.681 min Scan# 1039

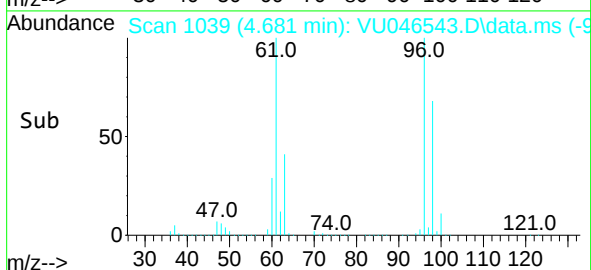
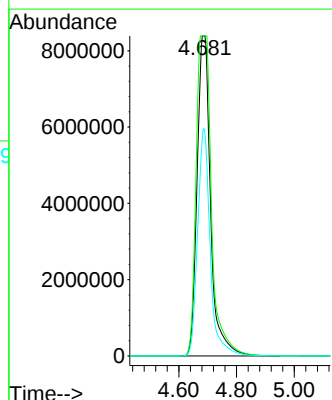
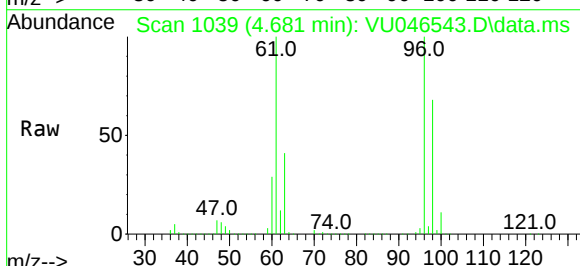
Delta R.T. 0.016 min

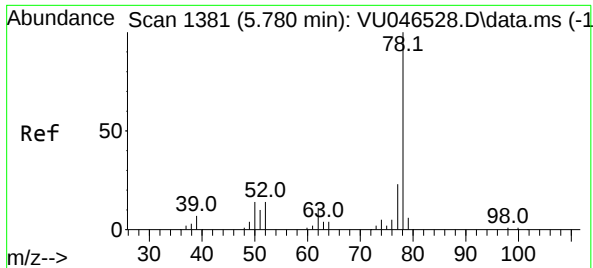
Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Tgt Ion: 96 Resp:27173520

Ion	Ratio	Lower	Upper
96	100		
61	100.0	88.5	164.3
98	68.1	44.4	82.5





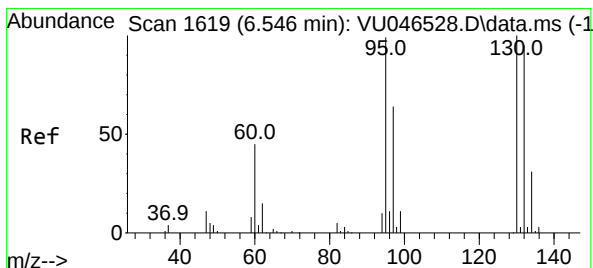
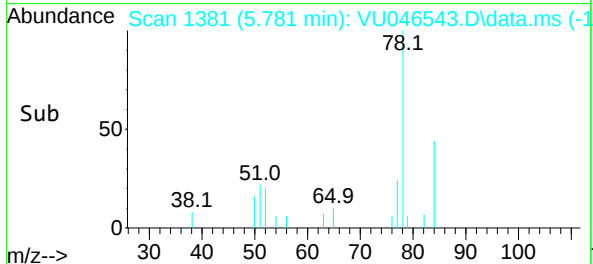
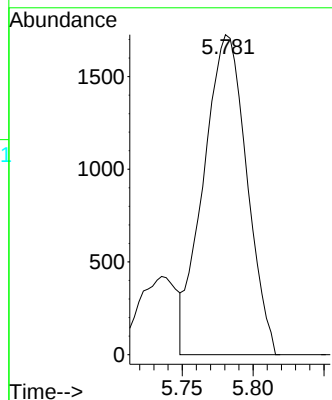
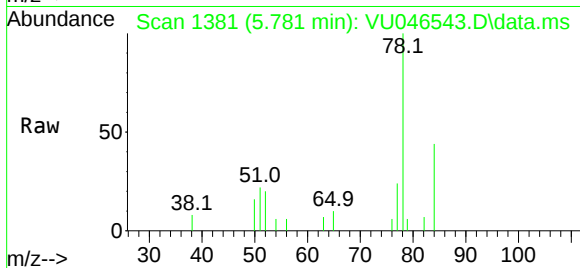
#33
Benzene
Concen: 0.110 ug/L
RT: 5.781 min Scan# 1381
Delta R.T. 0.006 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Instrument :
MSVOA_U
ClientSampleId :
H0AN8

Tgt Ion: 78 Resp: 365

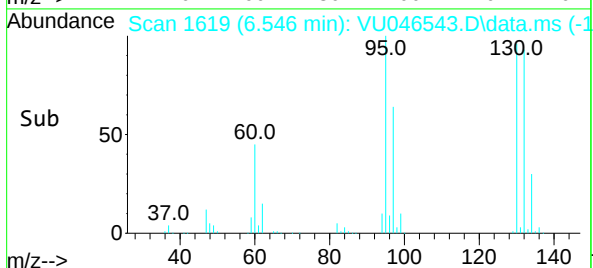
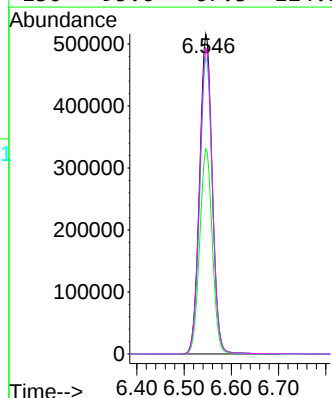
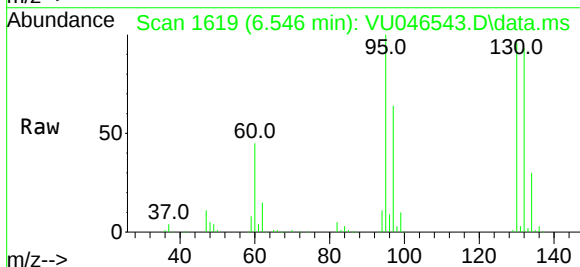
Manual Integrations
APPROVED

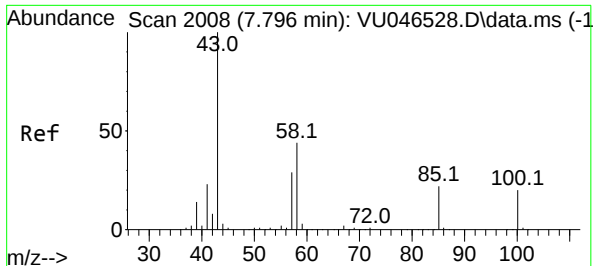
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#34
Trichloroethene
Concen: 108.999 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.003 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Tgt Ion: 95 Resp: 957771
Ion Ratio Lower Upper
95 100
97 64.0 46.5 86.5
132 92.6 65.1 120.9
130 95.6 67.3 124.9





#40

4-Methyl-2-pentanone

Concen: 2.114 ug/L

RT: 7.796 min Scan# 2008

Delta R.T. 0.000 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Instrument :

MSVOA_U

ClientSampleId :

H0AN8

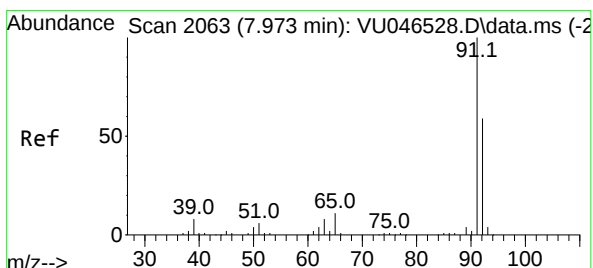
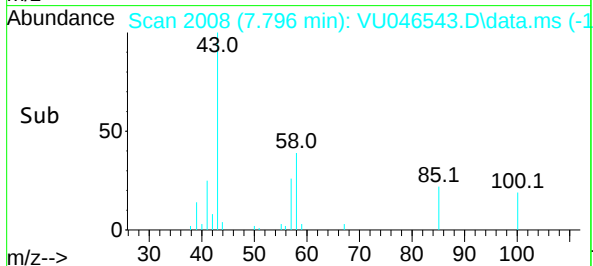
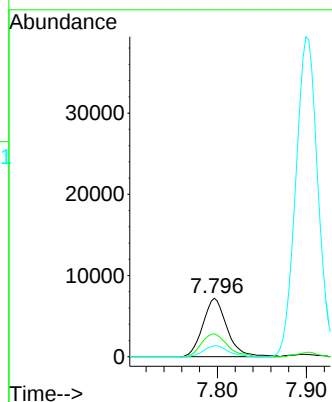
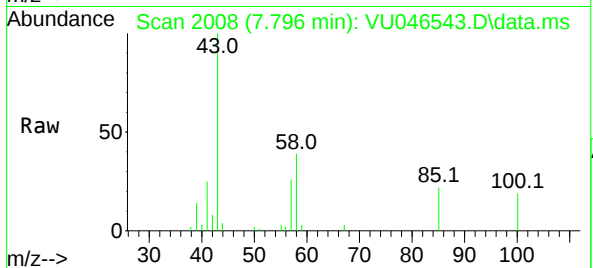
Tgt Ion: 43 Resp: 1349
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.1 49.7
 100 18.8 13.2 19.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Mahesh Dadoda 12/28/2021



#42

Toluene

Concen: 0.570 ug/L

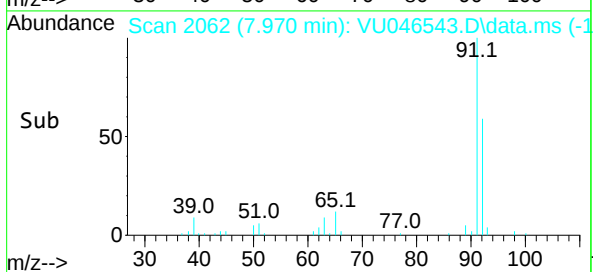
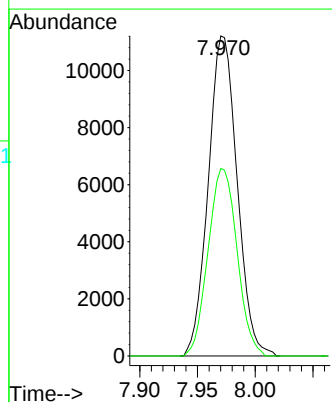
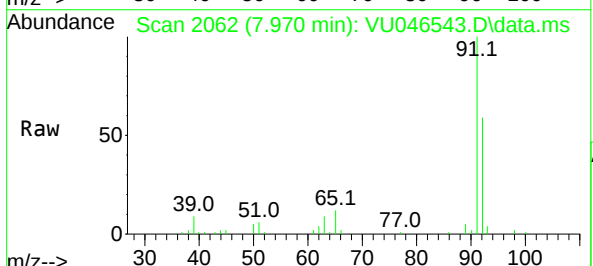
RT: 7.970 min Scan# 2062

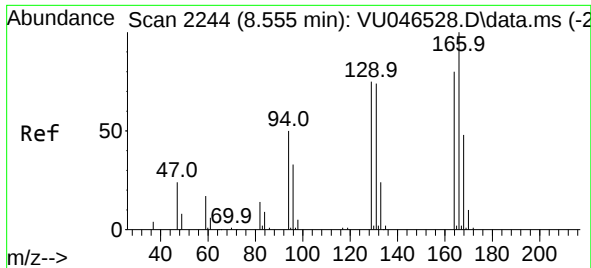
Delta R.T. 0.000 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

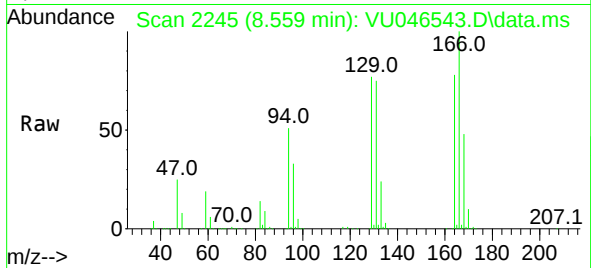
Tgt Ion: 91 Resp: 19499
 Ion Ratio Lower Upper
 91 100
 92 58.6 41.3 76.7





#47
Tetrachloroethene
Concen: 151.103 ug/L
RT: 8.559 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

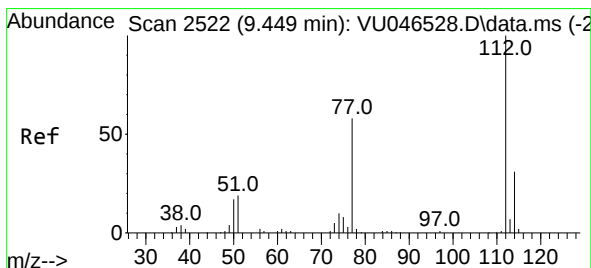
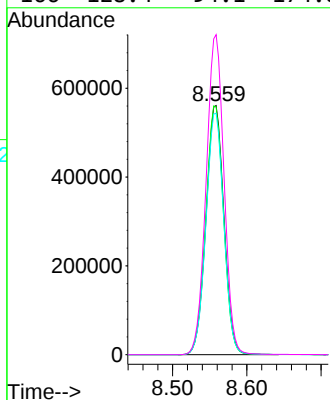
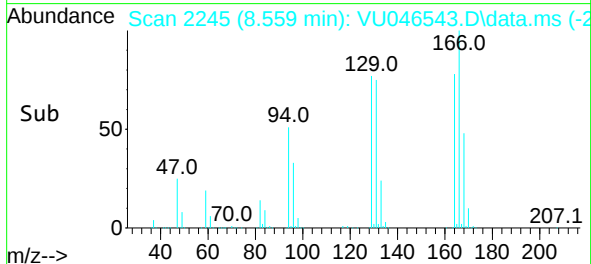
Instrument :
MSVOA_U
ClientSampleId :
H0AN8



Tgt Ion:164 Resp: 939528
Ion Ratio Lower Upper
164 100
129 99.5 71.8 133.4
131 96.9 68.5 127.3
166 128.4 94.1 174.8

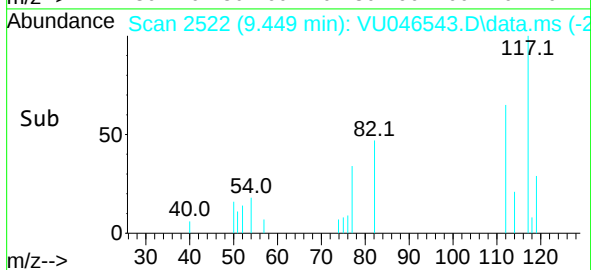
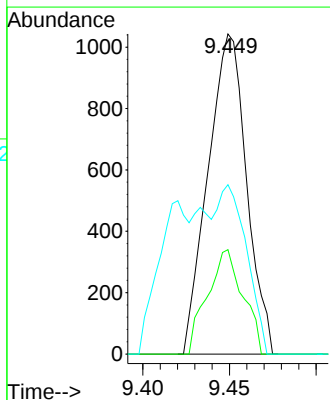
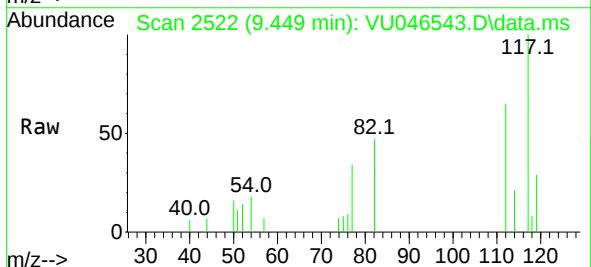
Manual Integrations
APPROVED

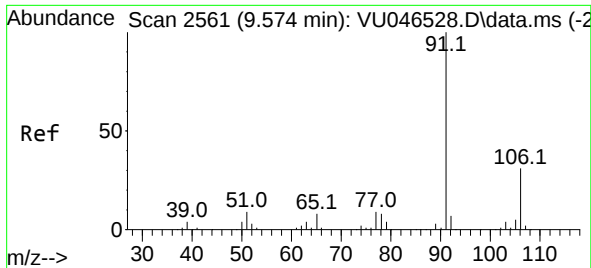
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#51
Chlorobenzene
Concen: 0.074 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Tgt Ion:112 Resp: 1616
Ion Ratio Lower Upper
112 100
114 32.6 22.1 41.1
77 52.9 48.3 72.5





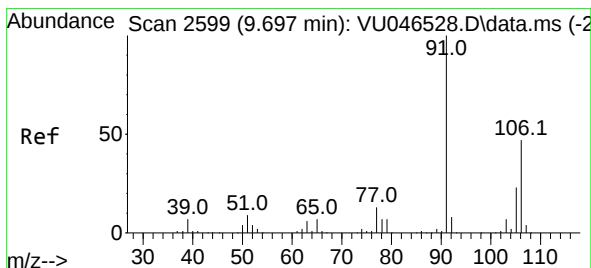
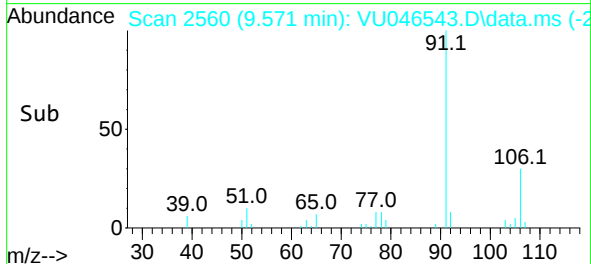
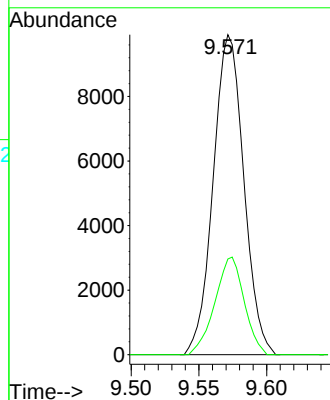
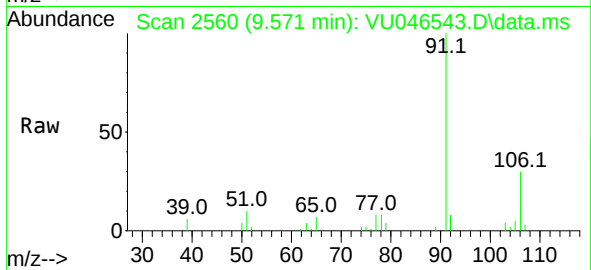
#52
Ethylbenzene
Concen: 0.439 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Instrument :
MSVOA_U
ClientSampleId :
H0AN8

Tgt Ion: 91 Resp: 1555
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9

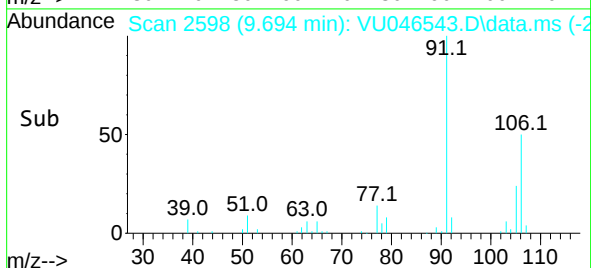
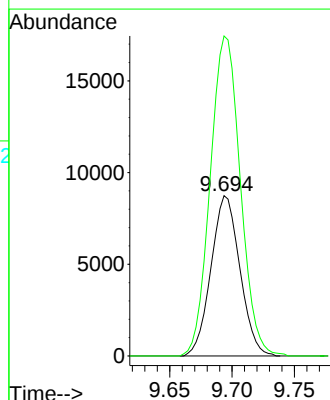
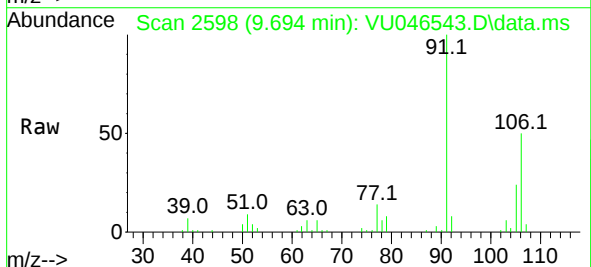
Manual Integrations
APPROVED

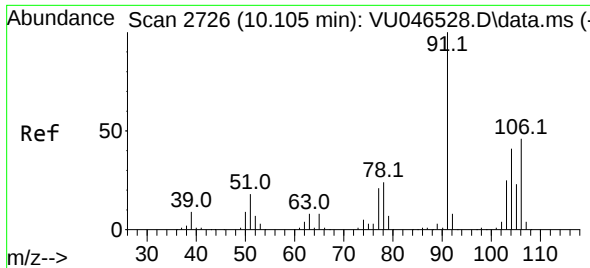
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#53
m,p-Xylene
Concen: 1.039 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Tgt Ion:106 Resp: 14097
Ion Ratio Lower Upper
106 100
91 199.5 139.4 259.0





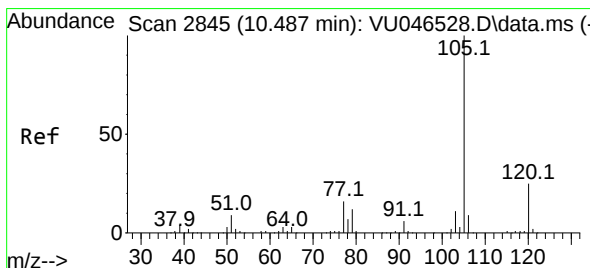
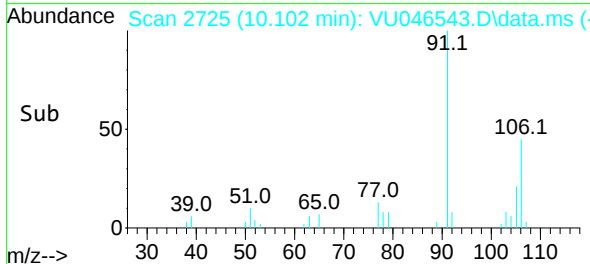
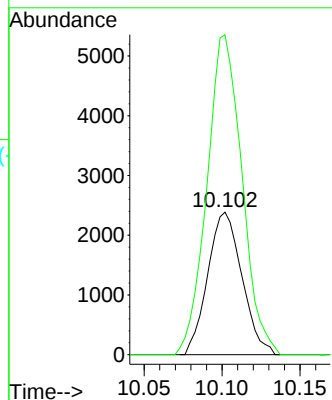
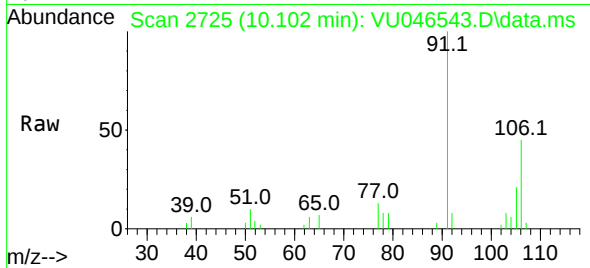
#54
o-Xylene
Concen: 0.279 ug/L
RT: 10.102 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Instrument :
MSVOA_U
ClientSampleId :
H0AN8

Tgt Ion:106 Resp: 3630
Ion Ratio Lower Upper
106 100
91 224.5 147.5 273.9

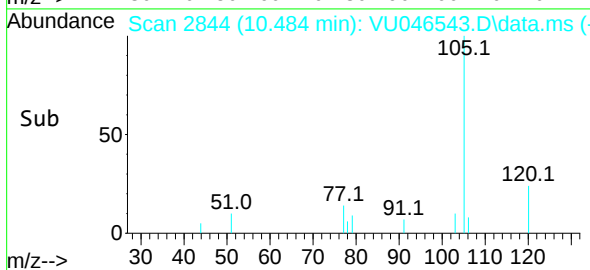
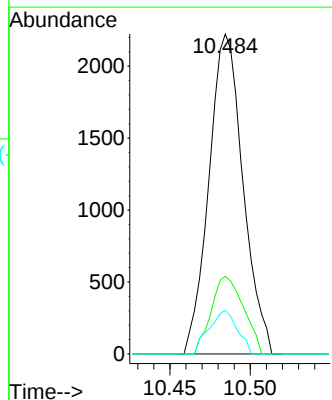
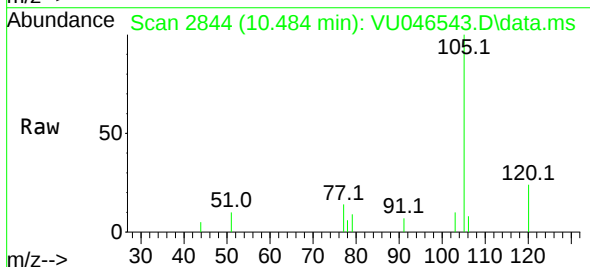
Manual Integrations
APPROVED

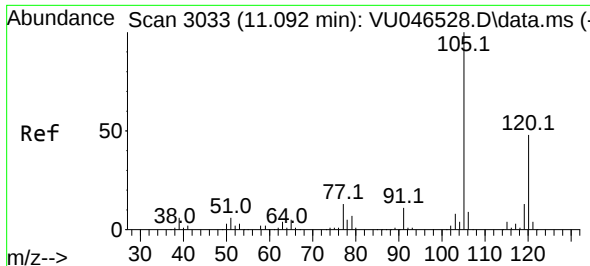
Reviewed By :Amit Patel 12/24/2021
Supervised By :Mahesh Dadoda 12/28/2021



#60
Isopropylbenzene
Concen: 0.097 ug/L m
RT: 10.484 min Scan# 2844
Delta R.T. -0.003 min
Lab File: VU046543.D
Acq: 21 Dec 2021 23:21

Tgt Ion:105 Resp: 3274
Ion Ratio Lower Upper
105 100
120 76.2 20.7 31.1#
77 34.7 12.6 19.0#





#62

1,3,5-Trimethylbenzene

Concen: 0.471 ug/L

RT: 11.089 min Scan# 3033

Delta R.T. -0.003 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Instrument :

MSVOA_U

ClientSampleId :

H0AN8

Tgt Ion:105 Resp: 1321

Ion Ratio Lower Upper

105 100

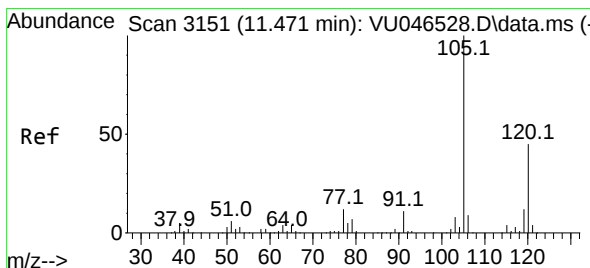
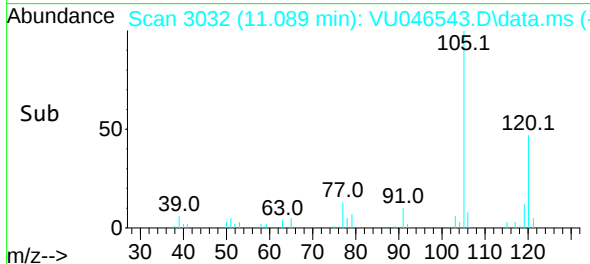
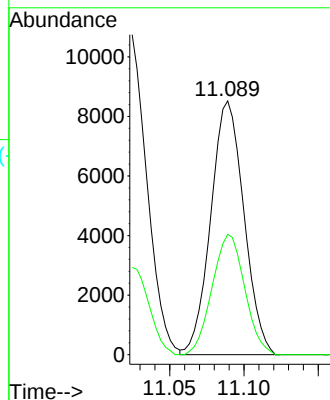
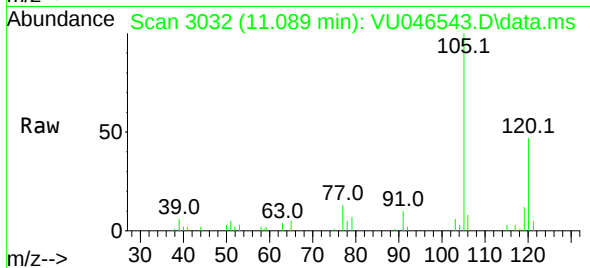
120 46.5 38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 12/24/2021

Supervised By :Mahesh Dadoda 12/28/2021



#63

1,2,4-Trimethylbenzene

Concen: 2.682 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.003 min

Lab File: VU046543.D

Acq: 21 Dec 2021 23:21

Tgt Ion:105 Resp: 75817

Ion Ratio Lower Upper

105 100

120 43.9 35.8 53.8

