

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062122\
 Data File : VU049329.D
 Acq On : 21 Jun 2022 15:54
 Operator : SY/MD
 Sample : N3425-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ2

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/22/2022
 Supervised By :Mahesh Dadoda 06/22/2022

Quant Time: Jun 22 01:49:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061422WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jun 22 01:47:02 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	137236	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	126979	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	68161	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39672	3.308	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.200%
7) Chloroethane-d5	1.912	69	32831	4.044	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.568	65	15438	3.201	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.000%
20) 2-Butanone-d5	4.629	46	171652	53.611	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	5.063	84	80228	4.264	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.703	65	49782	4.824	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.729	84	150338	3.930	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.600%
36) 1,2-Dichloropropane-d6	6.690	67	53931	4.154	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.899	98	129621	3.763	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.200%
43) trans-1,3-Dichloroprop...	8.179	79	20048	3.476	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.600%
46) 2-Hexanone-d5	8.632	63	118283	50.837	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.680%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	50357	4.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	57612	4.405	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	5177	0.671	ug/L #	1
13) Acetone	2.642	43	28582	18.037	ug/L	99
14) Carbon disulfide	2.793	76	10058	0.395	ug/L	95
18) trans-1,2-Dichloroethene	3.356	96	5522	0.646	ug/L	92
19) 1,1-Dichloroethane	3.870	63	9682	0.574	ug/L	98
21) 2-Butanone	4.719	43	14795m	4.896	ug/L	
22) cis-1,2-Dichloroethene	4.668	96	325513	34.043	ug/L	97
25) Chloroform	5.089	83	22442	1.326	ug/L	89
30) Cyclohexane	5.388	56	73021	4.234	ug/L	98
33) Benzene	5.774	78	2442992	64.657	ug/L	100
34) Trichloroethene	6.542	95	408265	42.271	ug/L	99
35) Methylcyclohexane	6.764	83	82199	5.075	ug/L	92
37) 1,2-Dichloropropane	6.790	63	20136	1.940	ug/L #	98
38) Bromodichloromethane	7.108	83	20118	1.585	ug/L	99
42) Toluene	7.970	91	2660490	66.401	ug/L	99
47) Tetrachloroethene	8.555	164	1752350	263.112	ug/L	97
49) Dibromochloromethane	8.809	129	28959m	3.507	ug/L	
52) Ethylbenzene	9.571	91	826190	18.880	ug/L	100
53) m,p-Xylene	9.690	106	451371	27.756	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.098	106	213667	13.252	ug/L	99
55) Styrene	10.111	104	92066	3.409	ug/L #	78
59) Bromoform	10.291	173	20609	4.025	ug/L	99
60) Isopropylbenzene	10.484	105	37972	0.818	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	55464	1.353	ug/L	97
63) 1,2,4-Trimethylbenzene	11.465	105	208563	5.137	ug/L	100

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

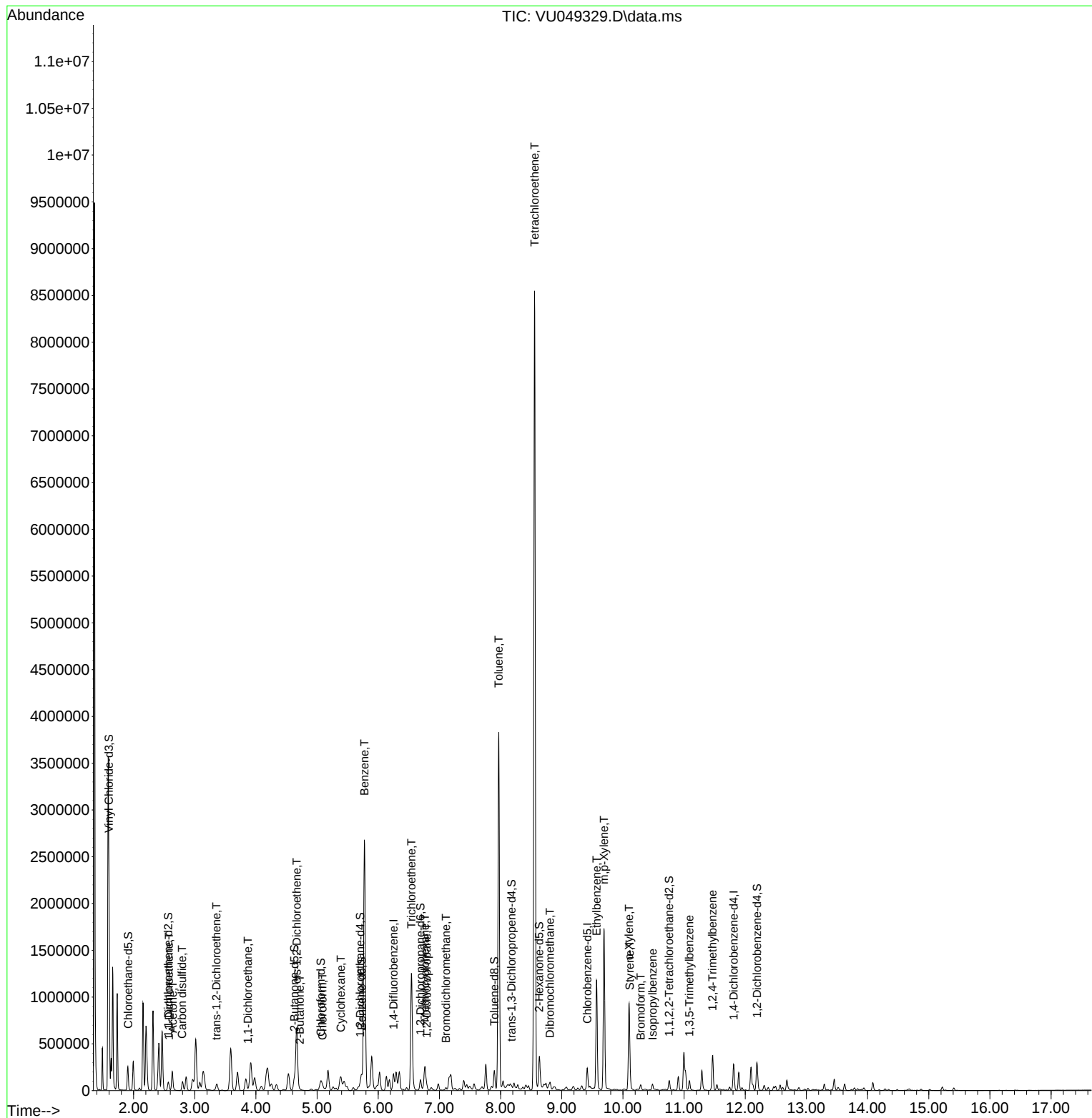
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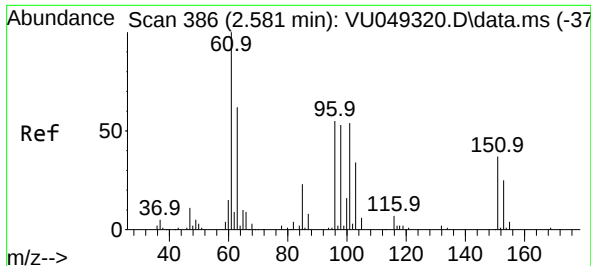
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#12

1,1-Dichloroethene

Concen: 0.671 ug/L

RT: 2.578 min Scan# 385

Delta R.T. -0.003 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2

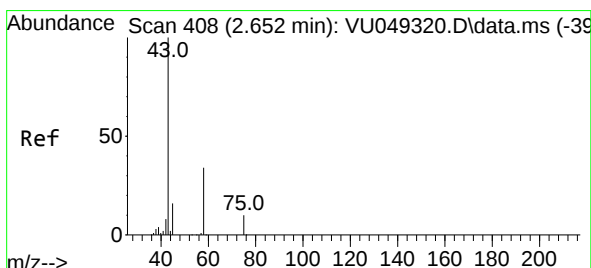
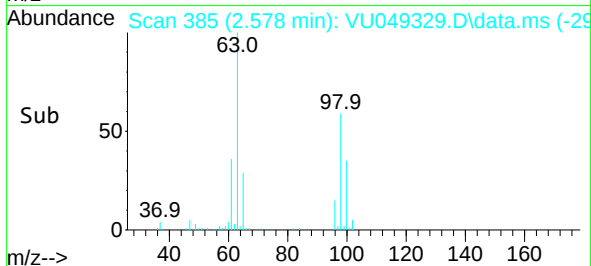
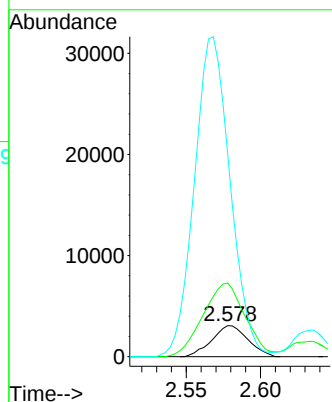
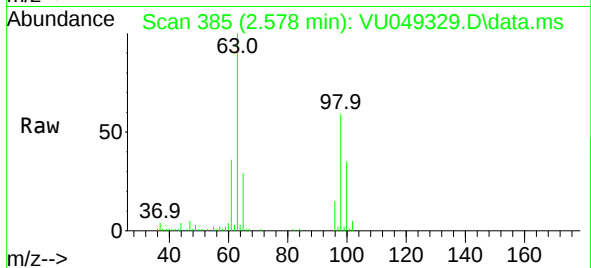
Tgt Ion:	96	Resp:	517
Ion Ratio	Lower	Upper	
96	100		
61	237.4	127.2	236.2
63	653.3	94.7	175.9

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#13

Acetone

Concen: 18.037 ug/L

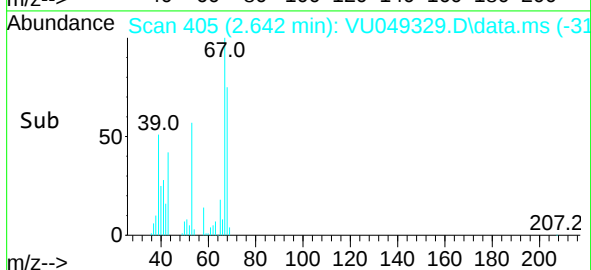
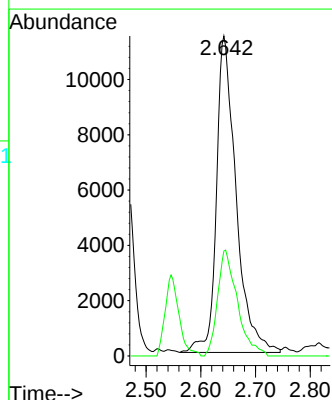
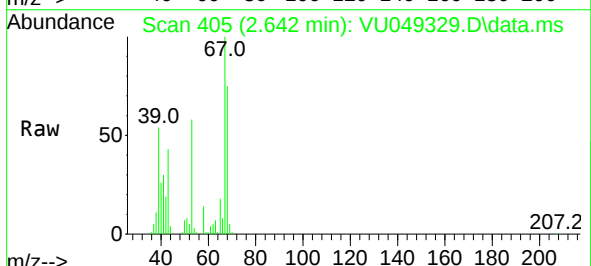
RT: 2.642 min Scan# 405

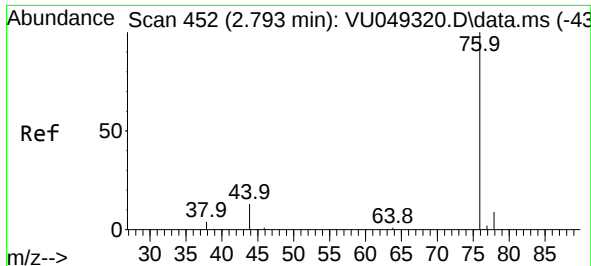
Delta R.T. -0.010 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

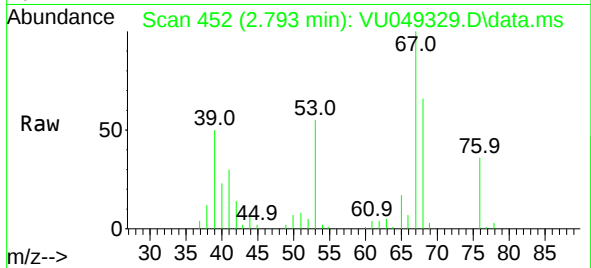
Tgt Ion:	43	Resp:	28582
Ion Ratio	Lower	Upper	
43	100		
58	33.7	0.0	65.8





#14
Carbon disulfide
Concen: 0.395 ug/L
RT: 2.793 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

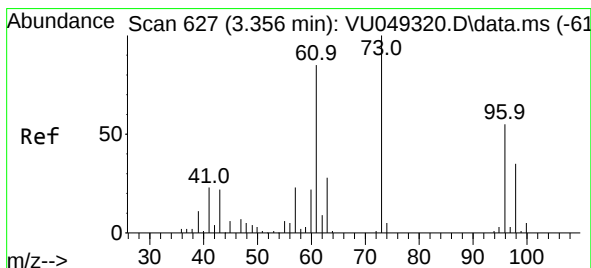
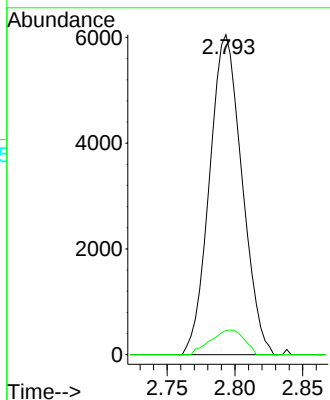
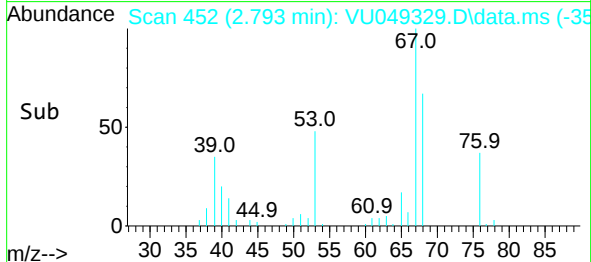
Instrument :
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Tgt Ion: 76 Resp: 1005
Ion Ratio Lower Upper
76 100
78 7.6 7.5 11.3

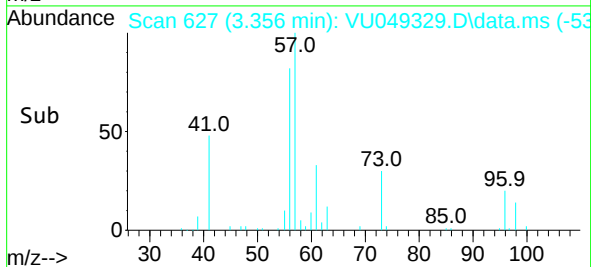
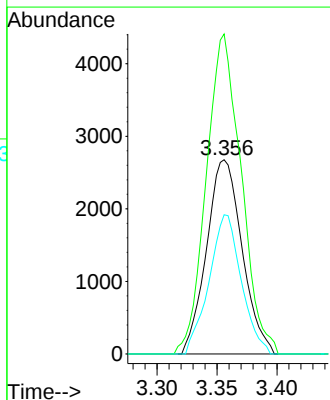
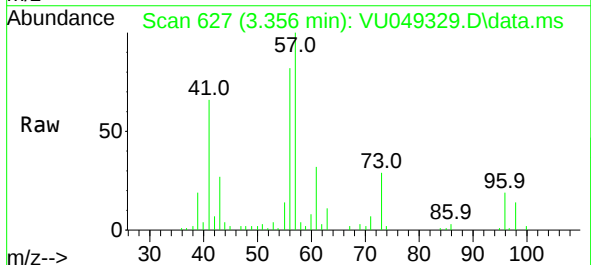
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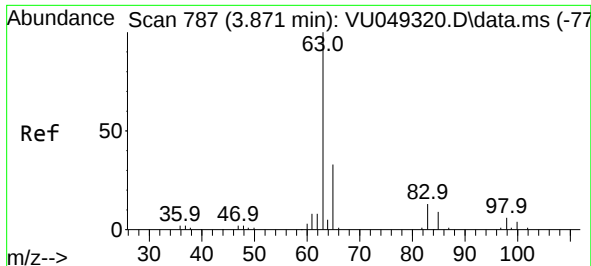
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#18
trans-1,2-Dichloroethene
Concen: 0.646 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

Tgt Ion: 96 Resp: 5522
Ion Ratio Lower Upper
96 100
61 158.3 103.3 191.9
98 68.9 44.0 81.8





#19

1,1-Dichloroethane

Concen: 0.574 ug/L

RT: 3.870 min Scan# 787

Delta R.T. -0.000 min

Lab File: VU049329.D

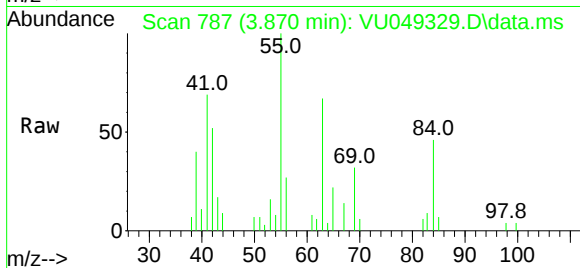
Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2



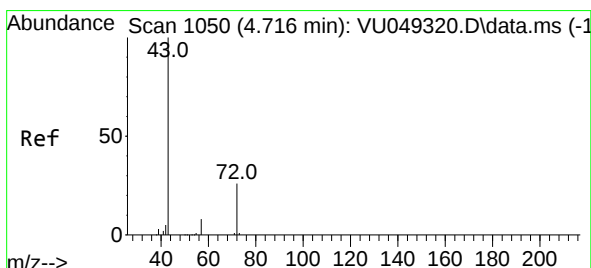
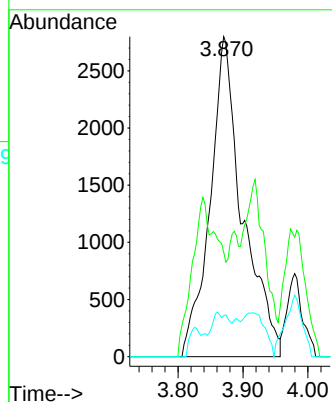
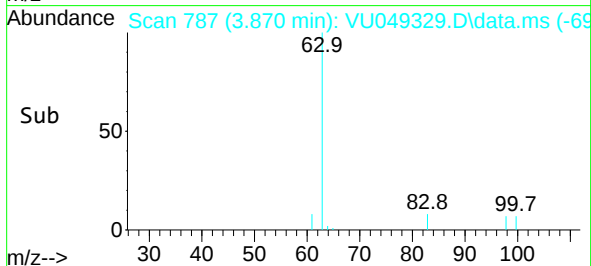
Tgt Ion:	63	Resp:	968
Ion Ratio	Lower	Upper	
63	100		
65	32.7	24.0	44.6
83	12.8	9.1	16.9

Manual Integrations

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#21

2-Butanone

Concen: 4.896 ug/L m

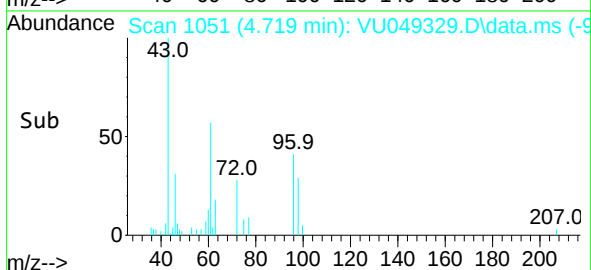
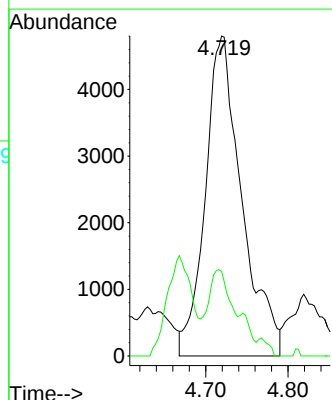
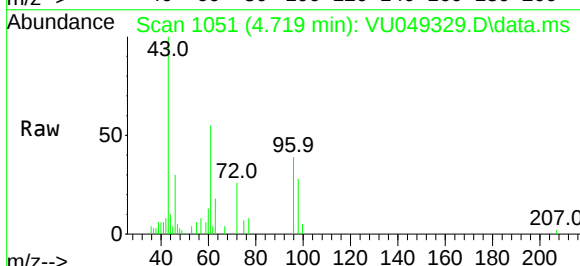
RT: 4.719 min Scan# 1051

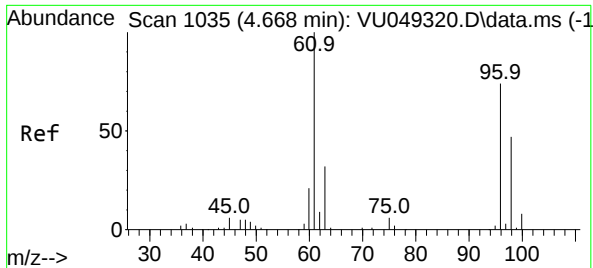
Delta R.T. 0.003 min

Lab File: VU049329.D

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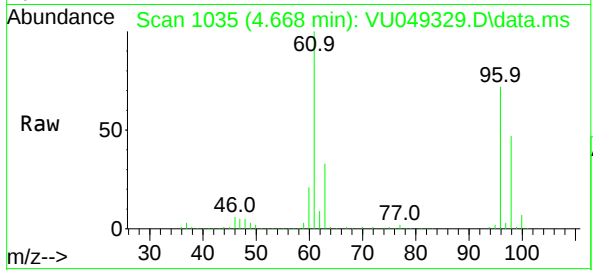
Tgt Ion:	43	Resp:	14795
Ion Ratio	Lower	Upper	
43	100		
72	1.6	12.2	36.6





#22
cis-1,2-Dichloroethene
Concen: 34.043 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

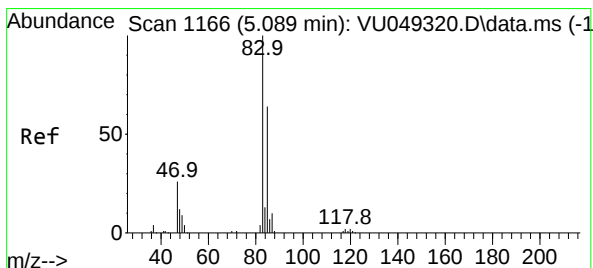
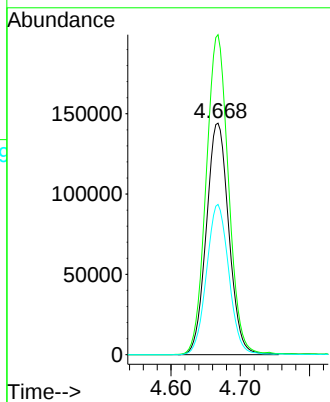
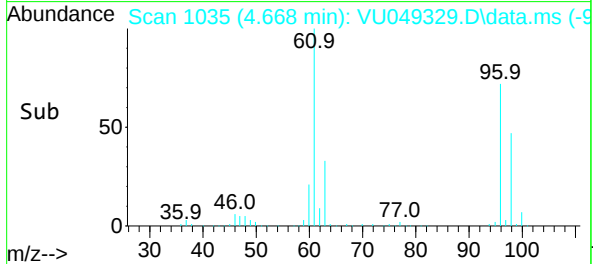
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



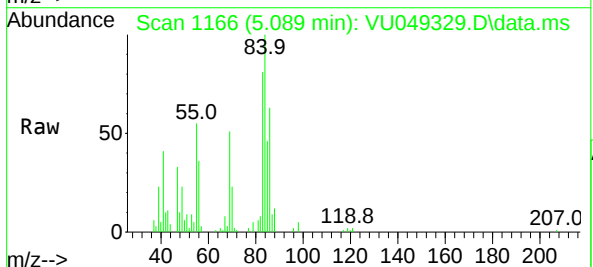
Tgt Ion: 96 Resp: 32551
Ion Ratio Lower Upper
96 100
61 138.2 99.5 184.9
98 64.9 44.8 83.2

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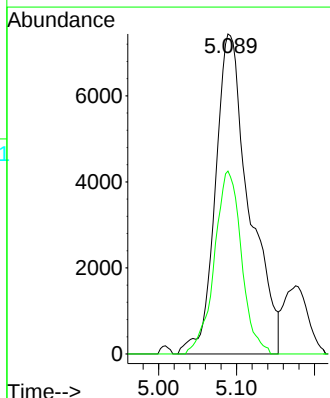
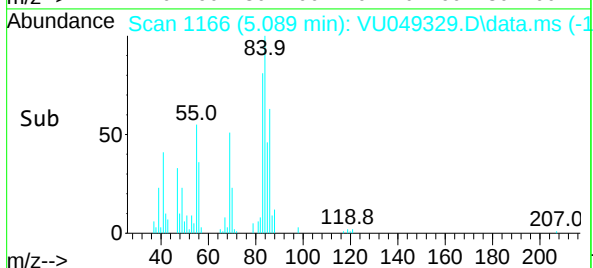
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022

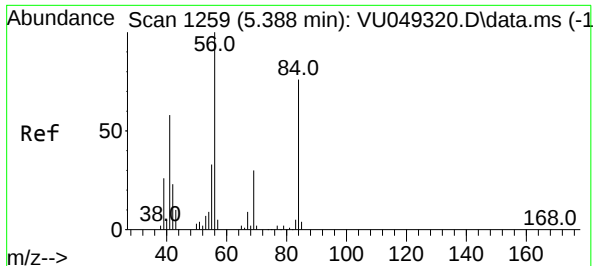


#25
Chloroform
Concen: 1.326 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU049329.D
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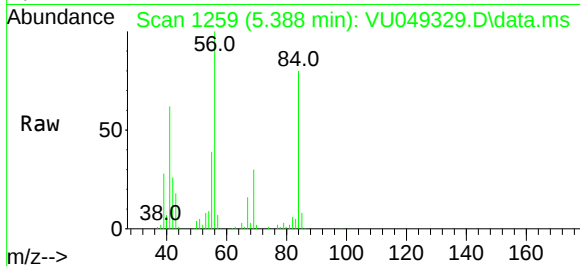
Tgt Ion: 83 Resp: 22442
Ion Ratio Lower Upper
83 100
85 57.1 45.8 85.2





#30
Cyclohexane
Concen: 4.234 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VU049329.D
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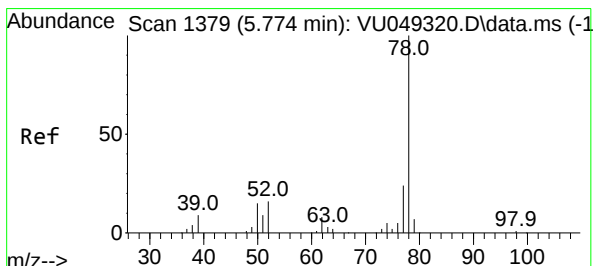
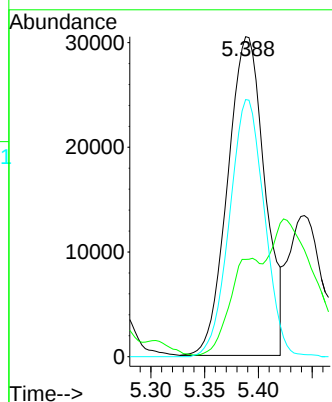
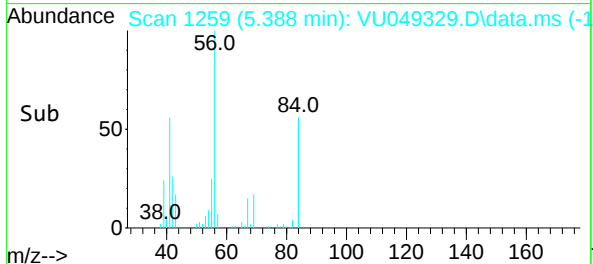
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Tgt Ion: 56 Resp: 7302
Ion Ratio Lower Upper
56 100
69 26.2 23.8 35.6
84 76.0 61.2 91.8

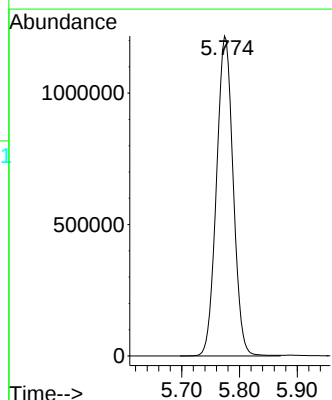
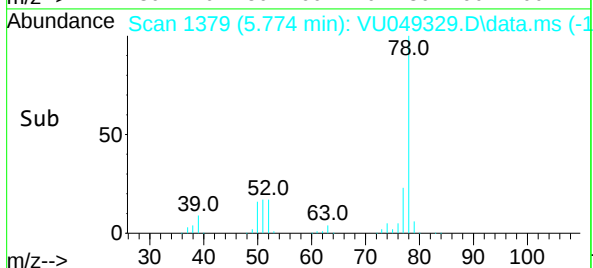
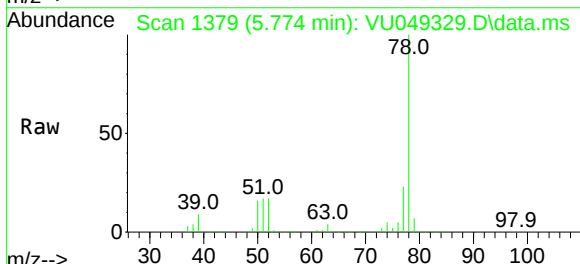
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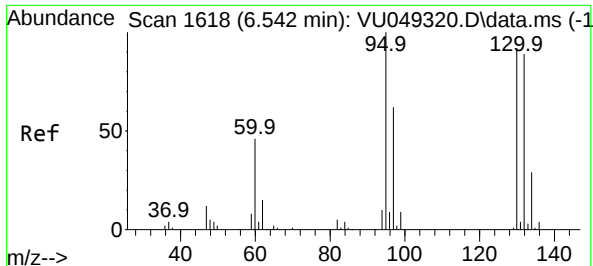
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#33
Benzene
Concen: 64.657 ug/L
RT: 5.774 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

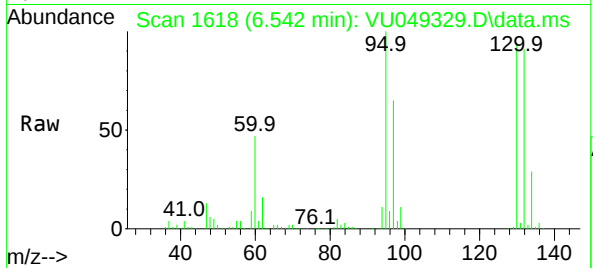
Tgt Ion: 78 Resp: 2442992





#34
Trichloroethene
Concen: 42.271 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
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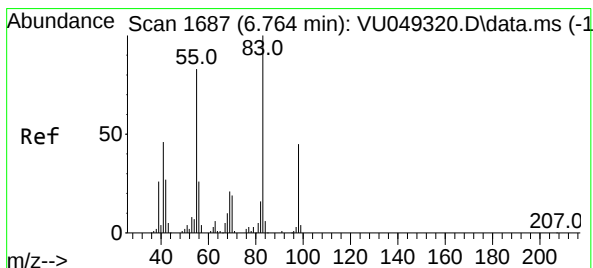
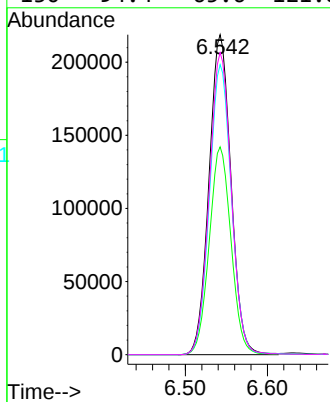
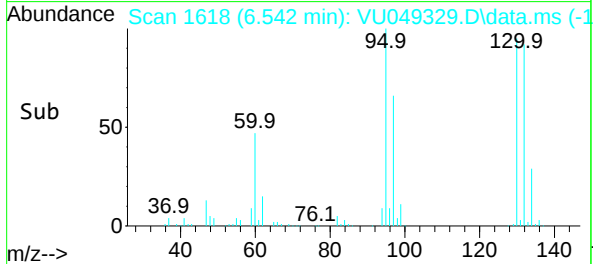
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ClientSampleId :
C0AJ2



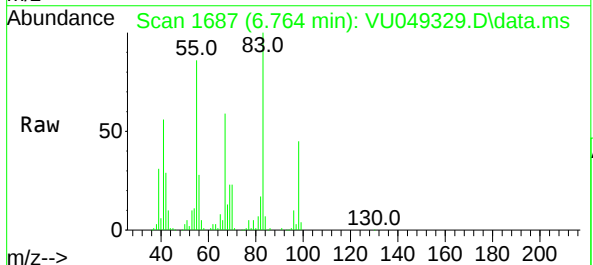
Tgt Ion: 95 Resp: 40826
Ion Ratio Lower Upper
95 100
97 65.0 45.3 84.1
132 90.7 61.5 114.3
130 94.4 65.6 121.8

Manual Integrations
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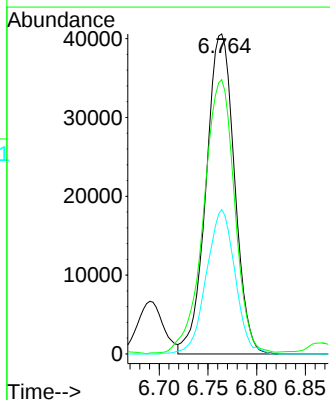
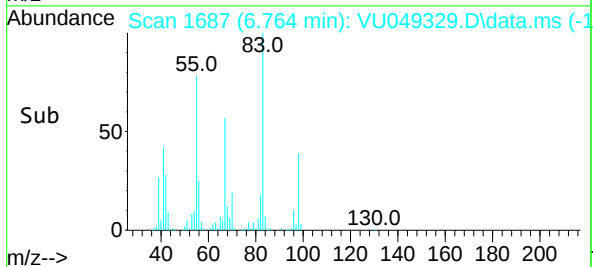
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022

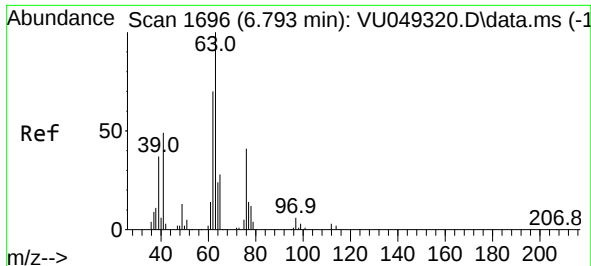


#35
Methylcyclohexane
Concen: 5.075 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54



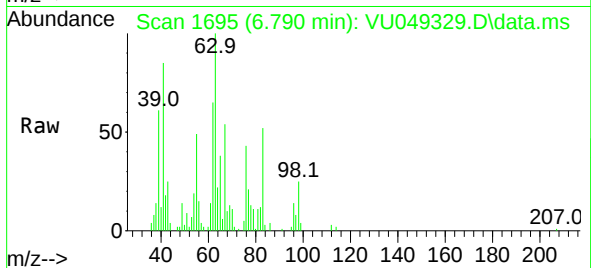
Tgt Ion: 83 Resp: 82199
Ion Ratio Lower Upper
83 100
55 94.0 66.9 100.3
98 45.6 35.5 53.3





#37
1,2-Dichloropropane
Concen: 1.940 ug/L
RT: 6.790 min Scan# 1696
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

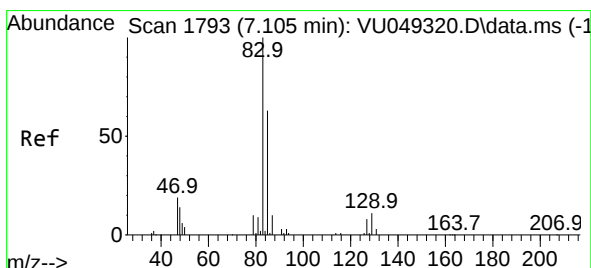
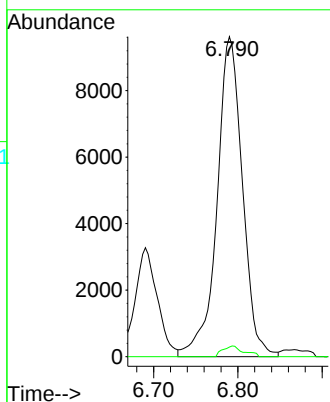
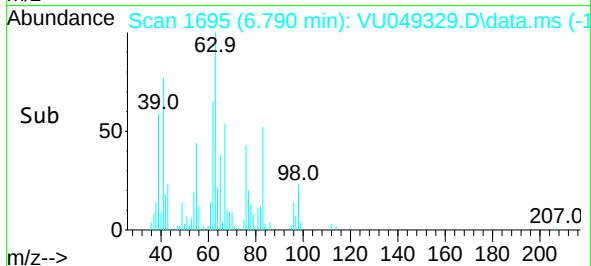
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



Tgt Ion: 63 Resp: 20130
Ion Ratio Lower Upper
63 100
112 2.7 2.8 4.2

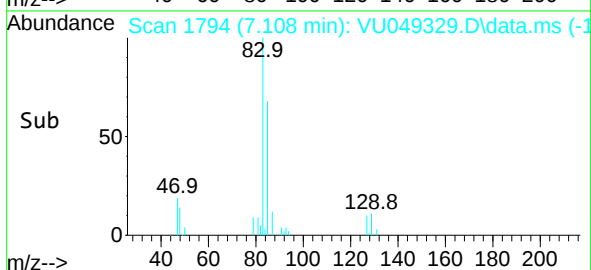
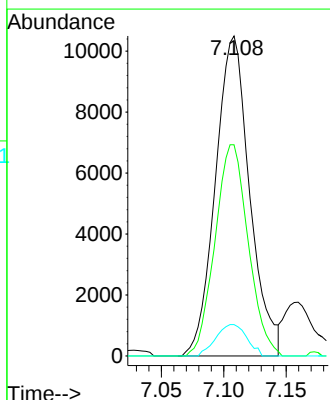
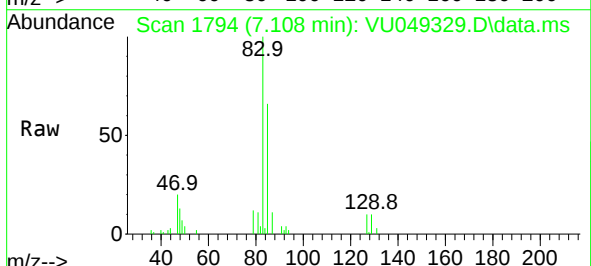
Manual Integrations
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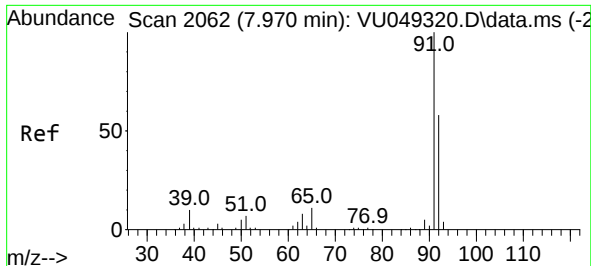
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#38
Bromodichloromethane
Concen: 1.585 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

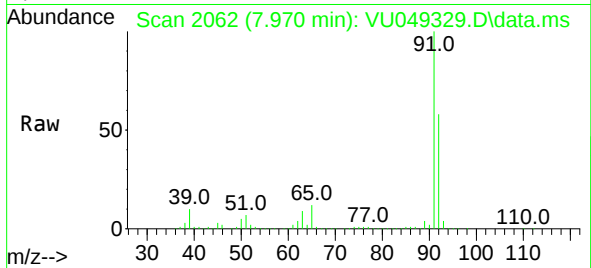
Tgt Ion: 83 Resp: 20118
Ion Ratio Lower Upper
83 100
85 66.0 45.5 84.5
127 9.8 7.1 10.7





#42
Toluene
Concen: 66.401 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

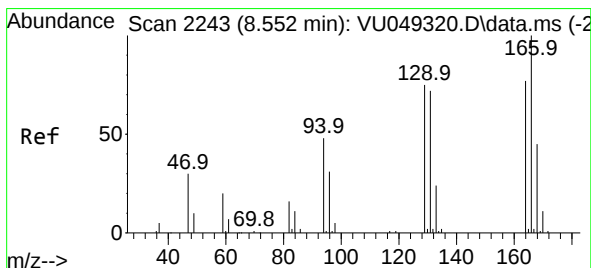
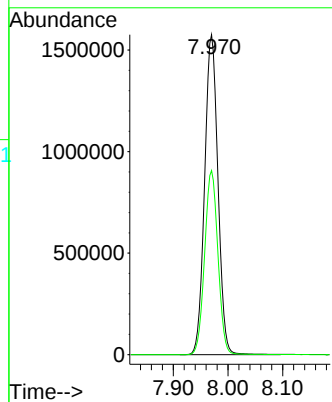
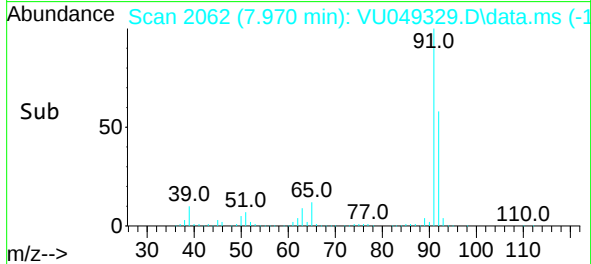
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



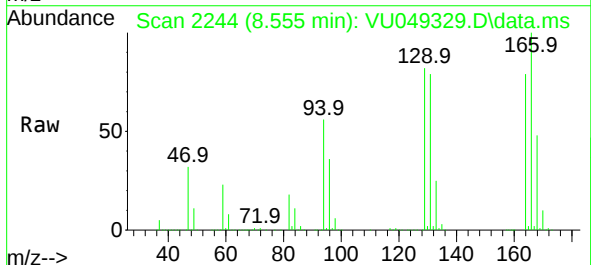
Tgt Ion: 91 Resp: 2660490
Ion Ratio Lower Upper
91 100
92 57.5 40.0 74.2

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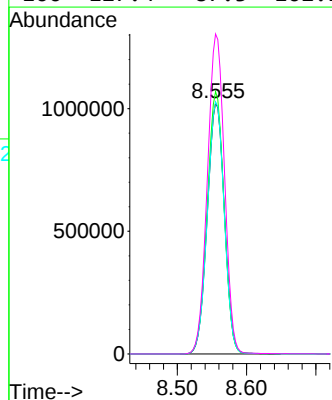
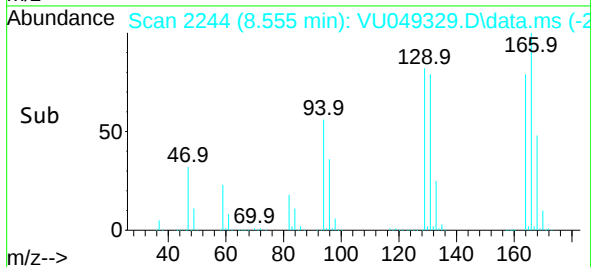
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022

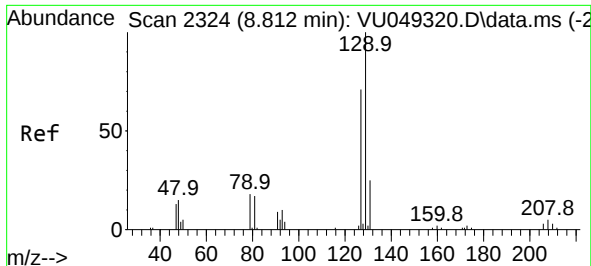


#47
Tetrachloroethene
Concen: 263.112 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54



Tgt Ion:164 Resp: 1752350
Ion Ratio Lower Upper
164 100
129 104.5 69.8 129.6
131 100.4 67.8 125.8
166 127.4 87.3 162.1





#49

Dibromochloromethane

Concen: 3.507 ug/L m

RT: 8.809 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049329.D

Acq: 21 Jun 2022 15:54

Instrument :

MSVOA_U

ClientSampleId :

C0AJ2

Tgt Ion:129 Resp: 2895

Ion Ratio Lower Upper

129 100

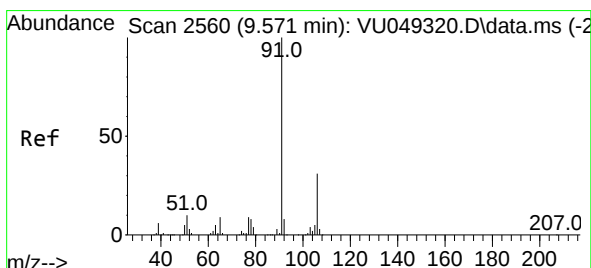
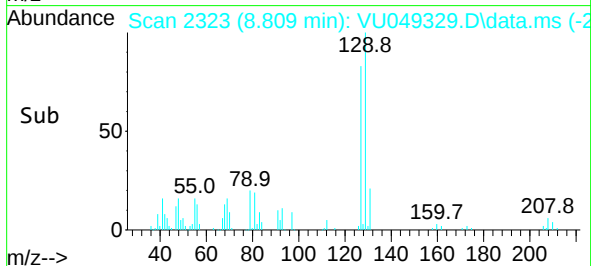
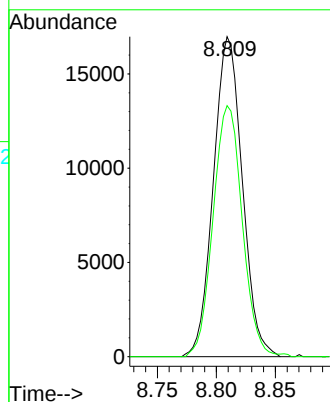
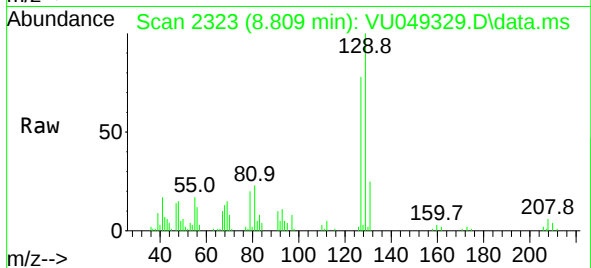
127 78.4 54.9 101.9

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Reviewed By :Krupa Patel 06/22/2022

Supervised By :Mahesh Dadoda 06/22/2022



#52

Ethylbenzene

Concen: 18.880 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU049329.D

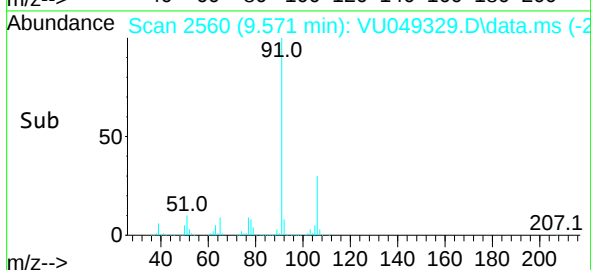
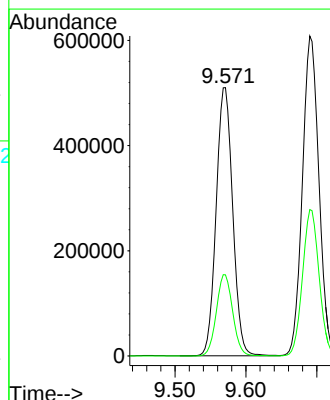
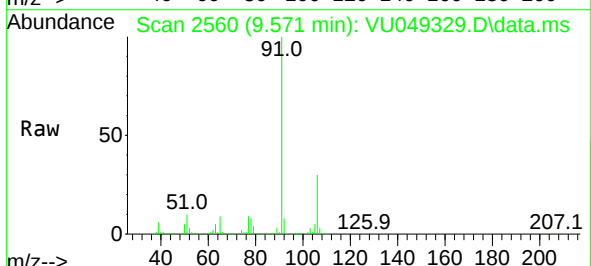
Acq: 21 Jun 2022 15:54

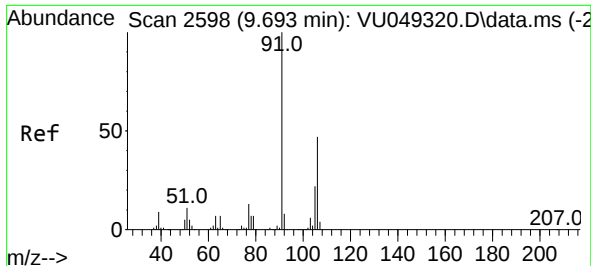
Tgt Ion: 91 Resp: 826190

Ion Ratio Lower Upper

91 100

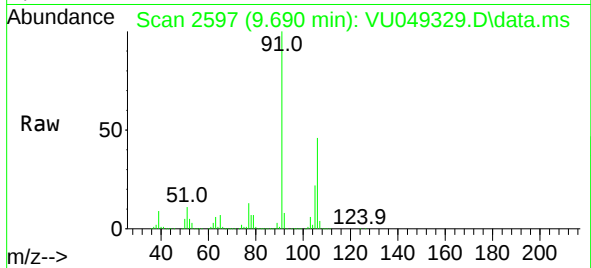
106 30.2 21.2 39.4





#53
m,p-Xylene
Concen: 27.756 ug/L
RT: 9.690 min Scan# 2598
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

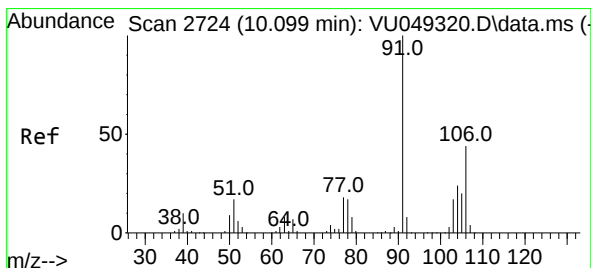
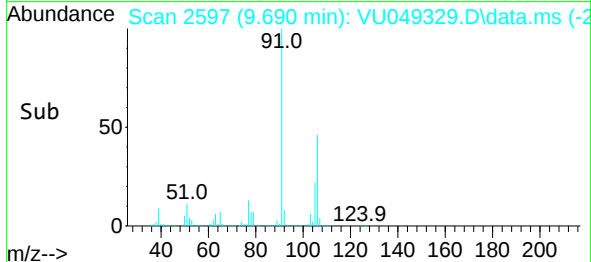
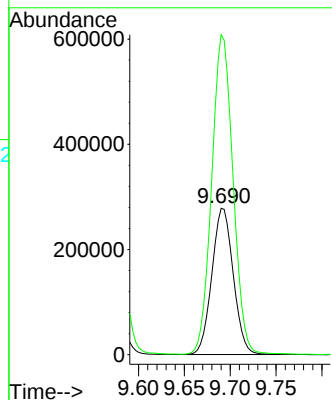
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



Tgt Ion:106 Resp: 45137
Ion Ratio Lower Upper
106 100
91 218.7 148.5 275.7

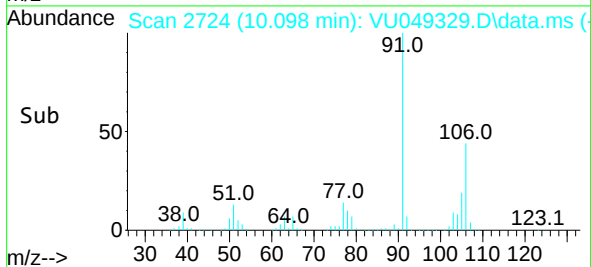
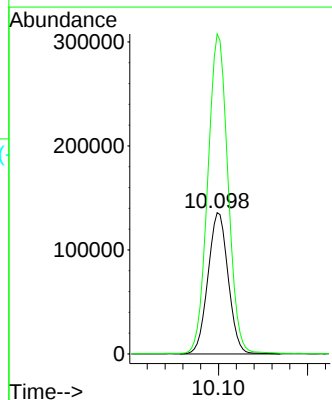
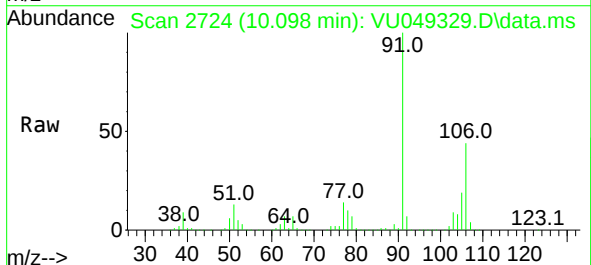
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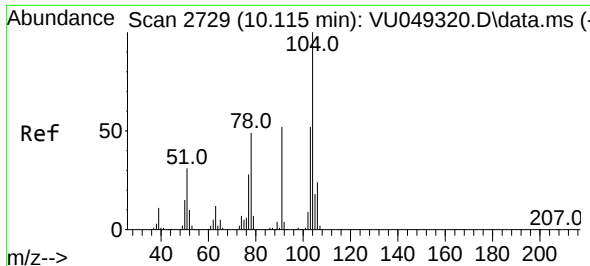
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#54
o-Xylene
Concen: 13.252 ug/L
RT: 10.098 min Scan# 2724
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

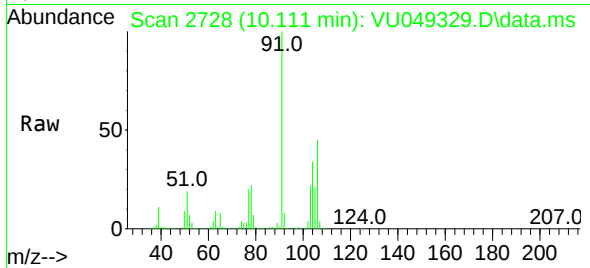
Tgt Ion:106 Resp: 213667
Ion Ratio Lower Upper
106 100
91 226.5 157.5 292.5





#55
Styrene
Concen: 3.409 ug/L
RT: 10.111 min Scan# 2728
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

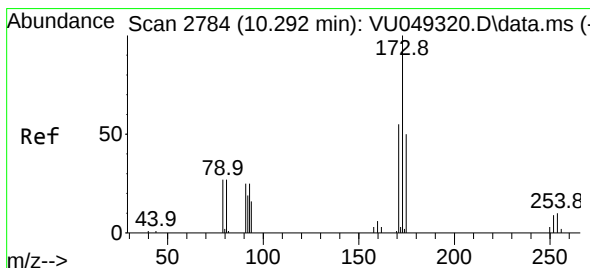
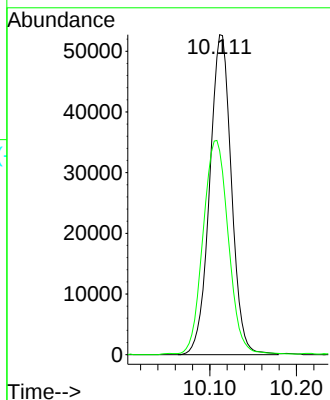
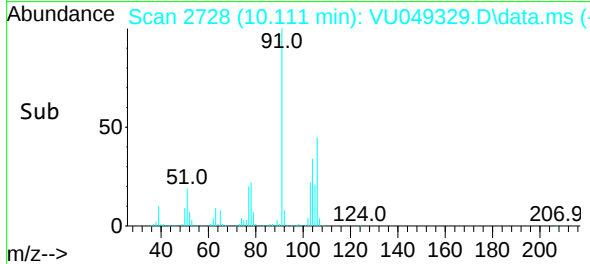
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



Tgt Ion:104 Resp: 92060
Ion Ratio Lower Upper
104 100
78 63.8 34.1 63.3

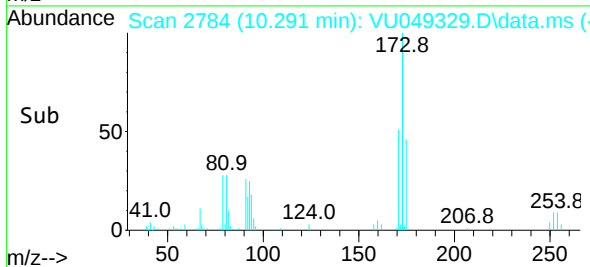
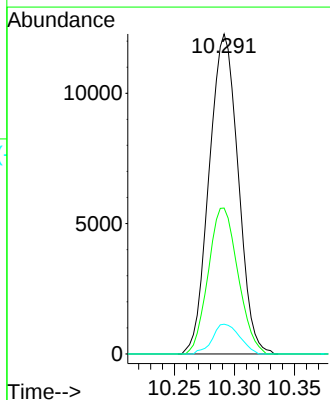
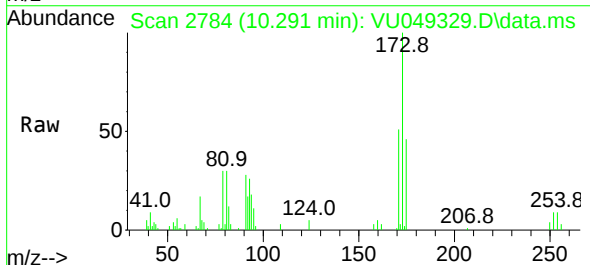
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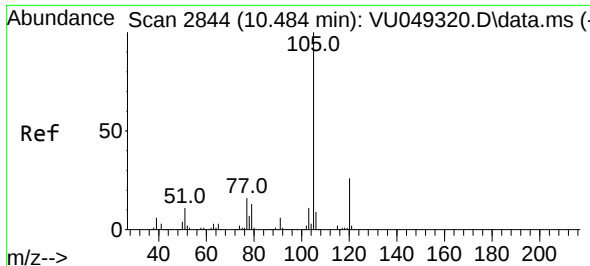
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#59
Bromoform
Concen: 4.025 ug/L
RT: 10.291 min Scan# 2784
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

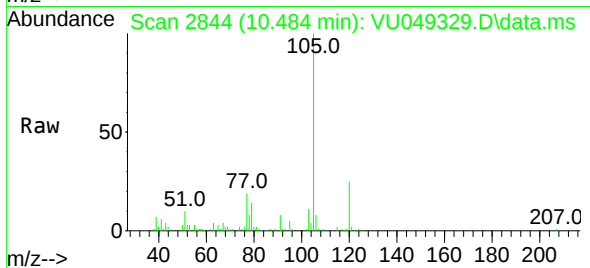
Tgt Ion:173 Resp: 20609
Ion Ratio Lower Upper
173 100
175 46.8 37.9 56.9
254 8.7 6.6 9.8





#60
Isopropylbenzene
Concen: 0.818 ug/L
RT: 10.484 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

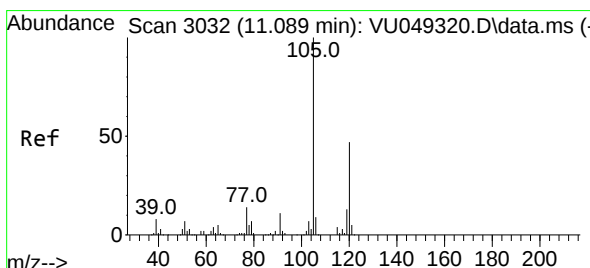
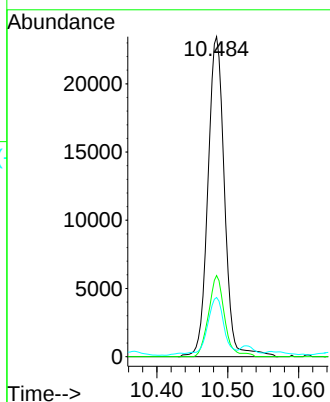
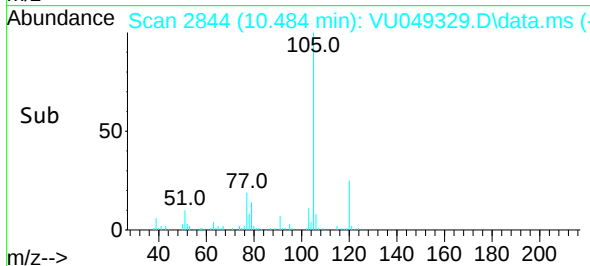
Instrument :
MSVOA_U
ClientSampleId :
C0AJ2



Tgt Ion:105 Resp: 37972
Ion Ratio Lower Upper
105 100
120 24.5 20.3 30.5
77 16.4 13.0 19.6

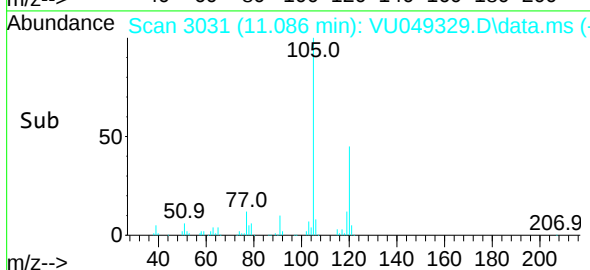
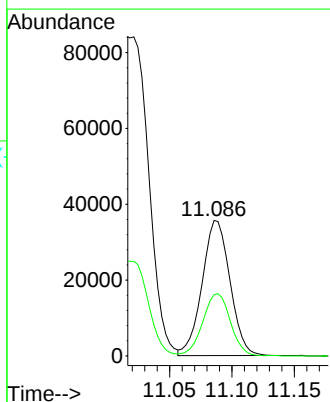
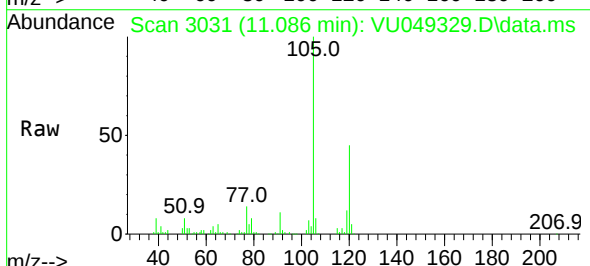
Manual Integrations
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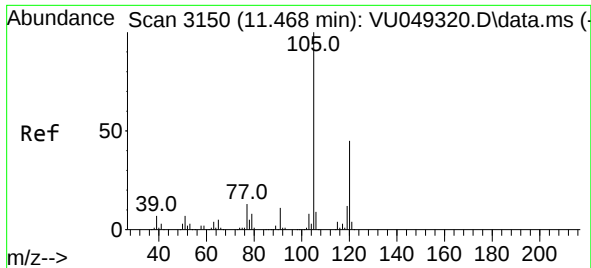
Reviewed By :Krupa Patel 06/22/2022
Supervised By :Mahesh Dadoda 06/22/2022



#62
1,3,5-Trimethylbenzene
Concen: 1.353 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.003 min
Lab File: VU049329.D
Acq: 21 Jun 2022 15:54

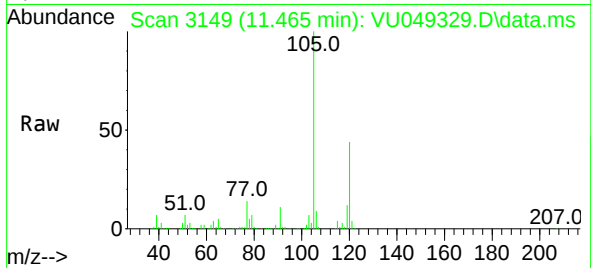
Tgt Ion:105 Resp: 55464
Ion Ratio Lower Upper
105 100
120 45.1 37.8 56.6





#63
 1,2,4-Trimethylbenzene
 Concen: 5.137 ug/L
 RT: 11.465 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU049329.D
 Acq: 21 Jun 2022 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ2



Tgt Ion:105 Resp: 20856
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.6 52.0

Manual Integrations
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Reviewed By :Krupa Patel 06/22/2022
 Supervised By :Mahesh Dadoda 06/22/2022

