

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
 Data File : VU049035.D
 Acq On : 11 Jun 2022 06:46
 Operator : SY/MD
 Sample : N3249-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXYX5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/12/2022
 Supervised By :Mahesh Dadoda 06/15/2022

Quant Time: Jun 11 07:58:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 11 04:33:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	224579	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	224070	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	124842	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99870	72.186	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	144.380%#
7) Chloroethane-d5	1.896	69	50688	49.898	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.568	63	163371	62.579	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	125.160%#
21) 2-Butanone-d5	4.636	46	159010	104.828	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.830%
24) Chloroform-d	5.063	84	148184	50.208	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.420%
26) 1,2-Dichloroethane-d4	5.700	65	104636	54.723	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.440%
32) Benzene-d6	5.726	84	277567	49.956	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.920%
36) 1,2-Dichloropropane-d6	6.690	67	96813	51.831	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.660%
41) Toluene-d8	7.896	98	249007	50.817	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.640%
43) trans-1,3-Dichloroprop...	8.179	79	38413	43.714	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.420%
47) 2-Hexanone-d5	8.632	63	97803	100.046	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.050%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	163821	52.512	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.020%
66) 1,2-Dichlorobenzene-d4	12.192	152	117997	54.322	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.640%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	4472662	2258.560	ug/L	99
8) Chloroethane	1.919	64	124958	112.976	ug/L	98
12) 1,1-Dichloroethene	2.575	96	124563	89.943	ug/L	87
13) Acetone	2.626	43	6871	5.756	ug/L	91
16) Methylene chloride	3.041	84	16810	9.321	ug/L	96
17) trans-1,2-Dichloroethene	3.350	96	274618	180.344	ug/L	99
19) 1,1-Dichloroethane	3.867	63	16563810	5049.217	ug/L	99
20) cis-1,2-Dichloroethene	4.665	96	14857484	8019.901	ug/L	98
27) 1,2-Dichloroethane	5.793	62	81079	29.133	ug/L	100
29) Cyclohexane	5.382	56	3000	1.196	ug/L #	46
30) 1,1,1-Trichloroethane	5.314	97	457125	146.288	ug/L	98
31) Carbon tetrachloride	5.530	117	2474m	0.905	ug/L	
33) Benzene	5.771	78	90307	12.440	ug/L	100
34) Trichloroethene	6.539	95	684984	374.340	ug/L	99
35) Methylcyclohexane	6.758	83	3126m	1.224	ug/L	
42) Toluene	7.967	91	149308	19.899	ug/L	99
45) 1,1,2-Trichloroethane	8.398	97	38859	19.590	ug/L	99
46) Tetrachloroethene	8.552	164	20589	14.513	ug/L	95
52) Ethylbenzene	9.568	91	360033	44.132	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.690	106	265955	83.016	ug/L	98
54) o-Xylene	10.099	106	431225	133.599	ug/L	96
61) Isopropylbenzene	10.484	105	144522	17.043	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	569332	78.639	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	2599566	451.004	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	79807	18.487	ug/L	100

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

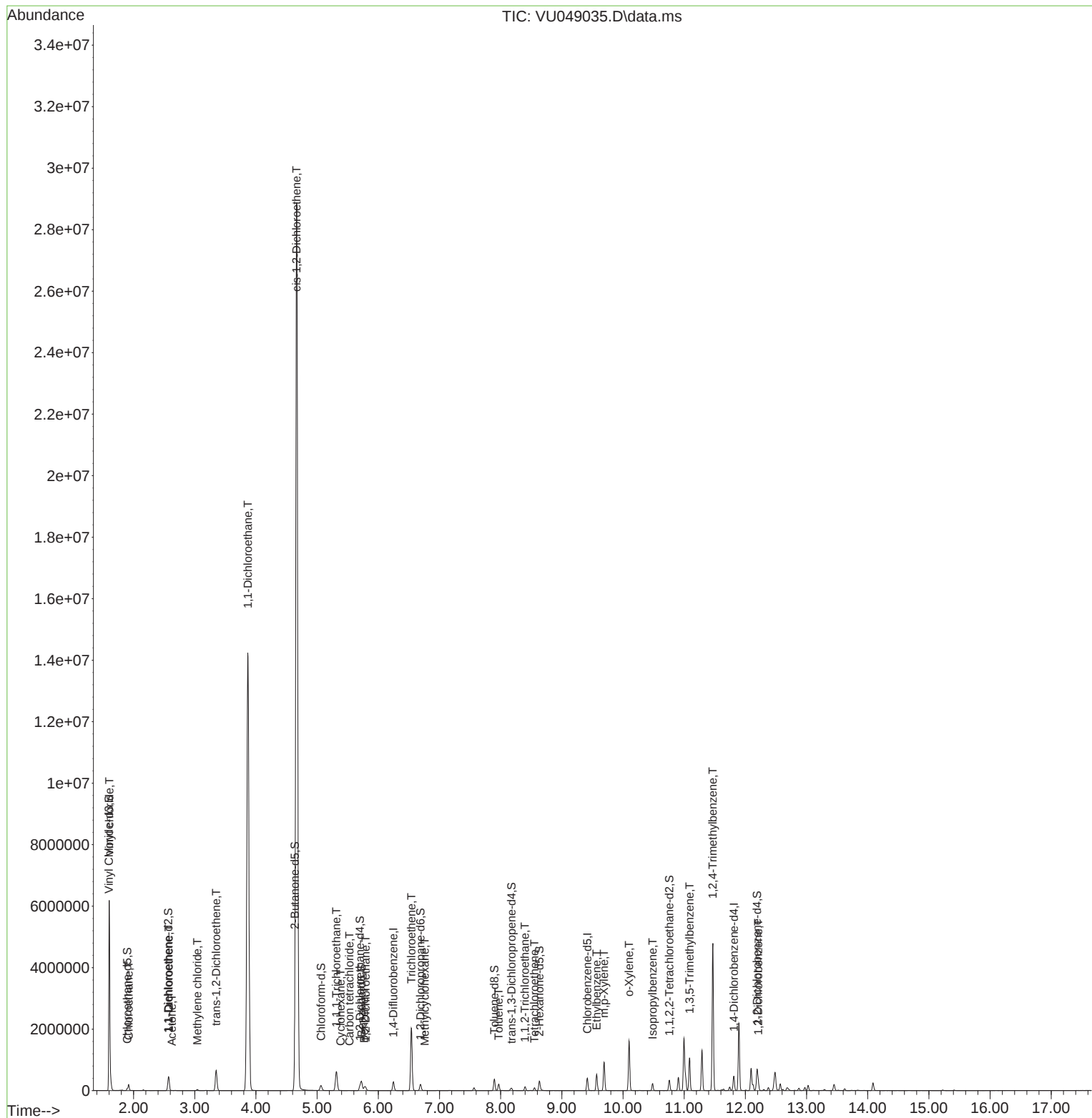
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061022\
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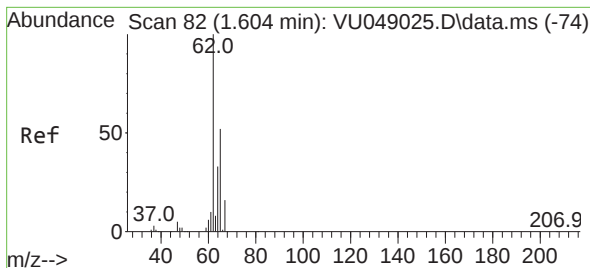
Instrument :
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2258.560 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU049035.D

Acq: 11 Jun 2022 06:46

Instrument :

MSVOA_U

ClientSampleId :

EXYX5

Tgt Ion: 62 Resp: 447266

Ion Ratio Lower Upper

62 100

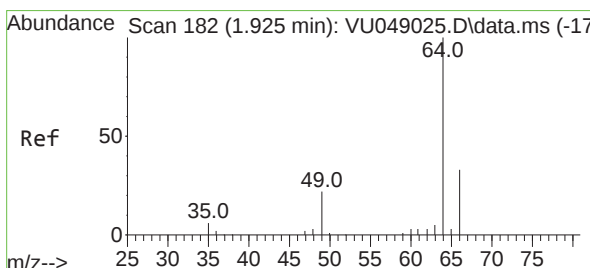
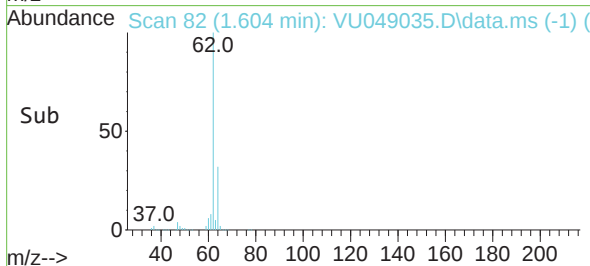
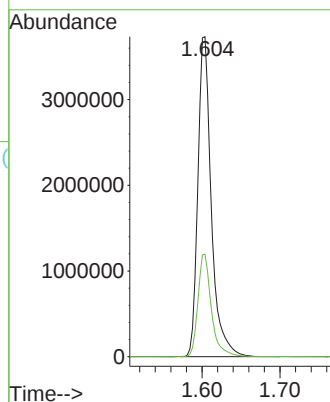
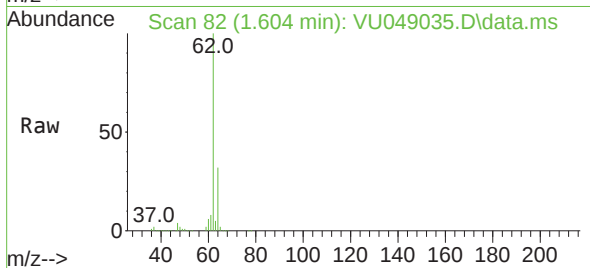
64 32.1 22.7 42.3

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#8

Chloroethane

Concen: 112.976 ug/L

RT: 1.919 min Scan# 180

Delta R.T. -0.006 min

Lab File: VU049035.D

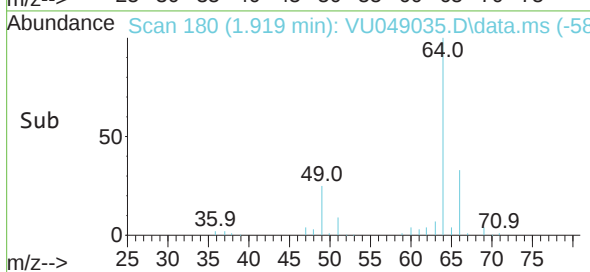
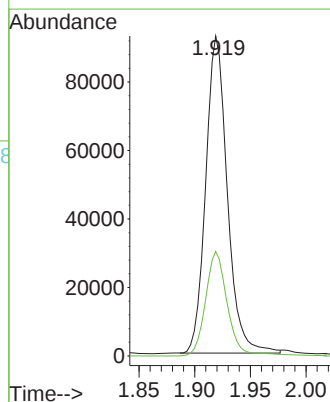
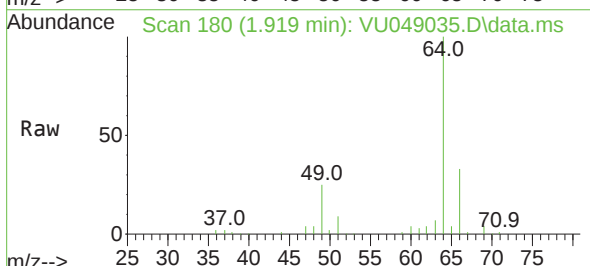
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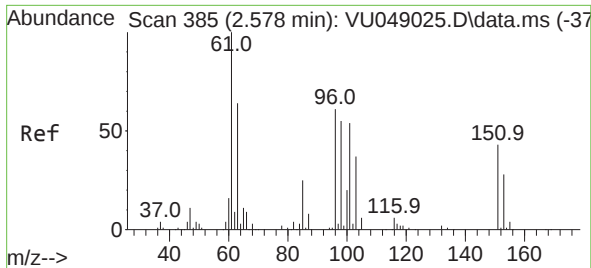
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Ion Ratio Lower Upper

64 100

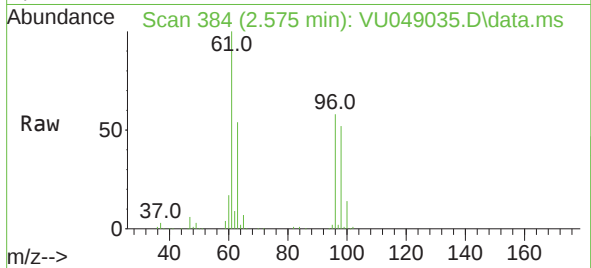
66 32.6 23.7 43.9





#12
1,1-Dichloroethene
Concen: 89.943 ug/L
RT: 2.575 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

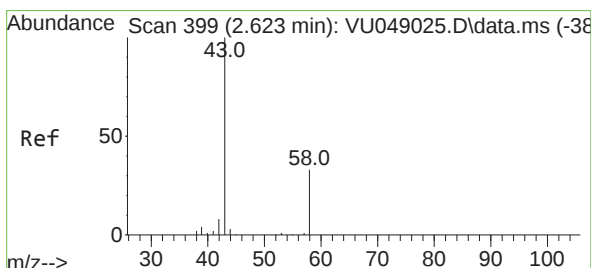
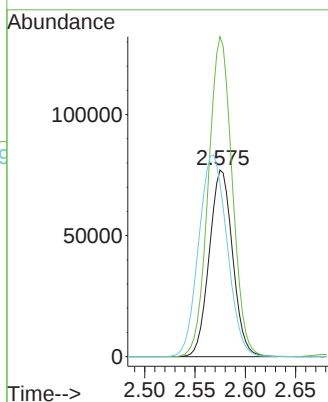
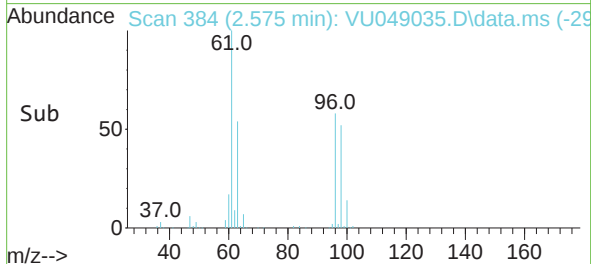
Instrument :
MSVOA_U
ClientSampleId :
EXYX5



Tgt Ion: 96 Resp: 12456
Ion Ratio Lower Upper
96 100
61 171.5 123.5 229.3
63 92.8 86.0 159.8

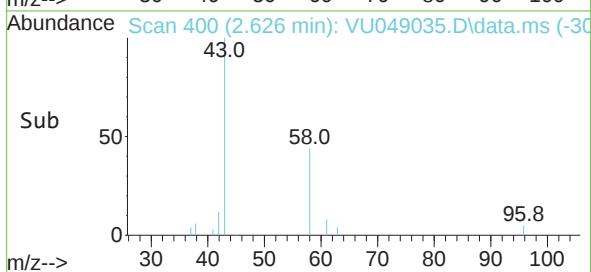
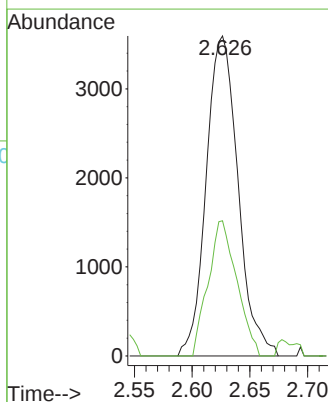
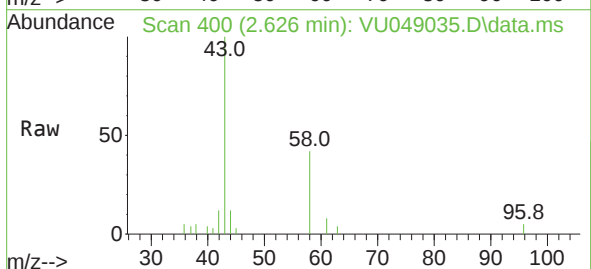
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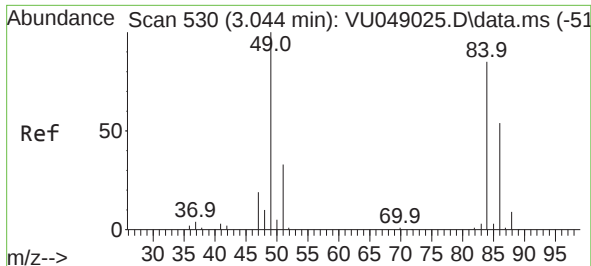
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#13
Acetone
Concen: 5.756 ug/L
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

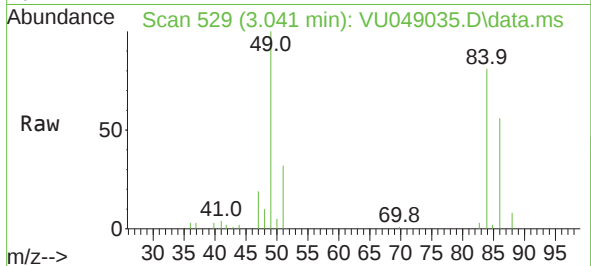
Tgt Ion: 43 Resp: 6871
Ion Ratio Lower Upper
43 100
58 38.1 0.0 66.4





#16
Methylene chloride
Concen: 9.321 ug/L
RT: 3.041 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

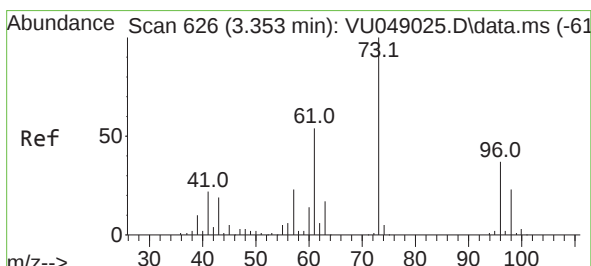
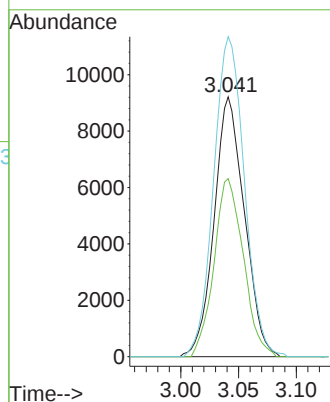
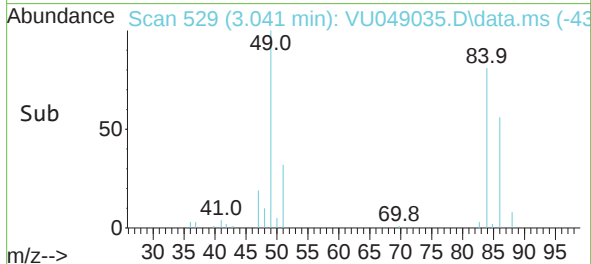
Instrument :
MSVOA_U
ClientSampleId :
EXYX5



Tgt Ion: 84 Resp: 16810
Ion Ratio Lower Upper
84 100
86 68.5 45.8 85.0
49 123.1 83.4 155.0

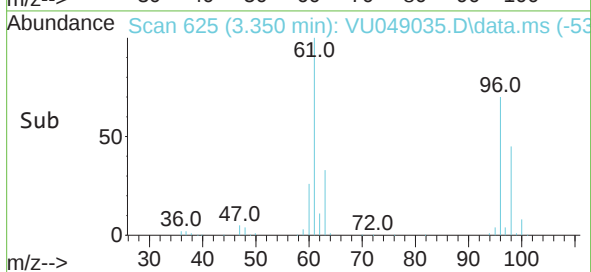
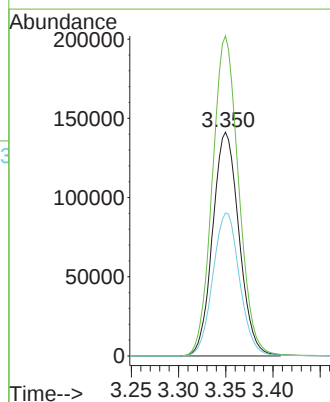
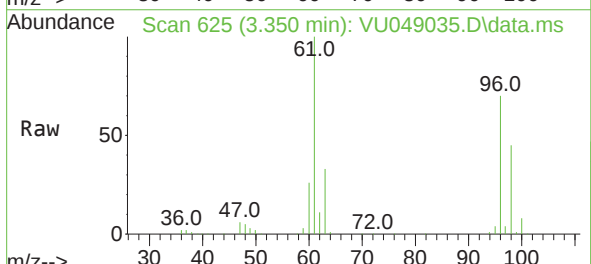
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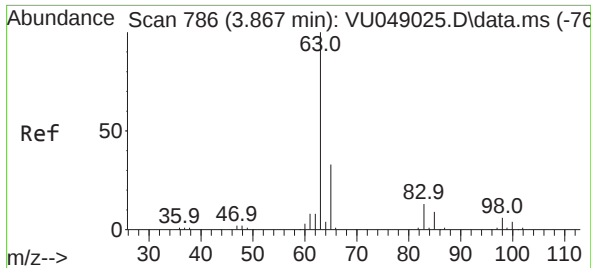
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#17
trans-1,2-Dichloroethene
Concen: 180.344 ug/L
RT: 3.350 min Scan# 625
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

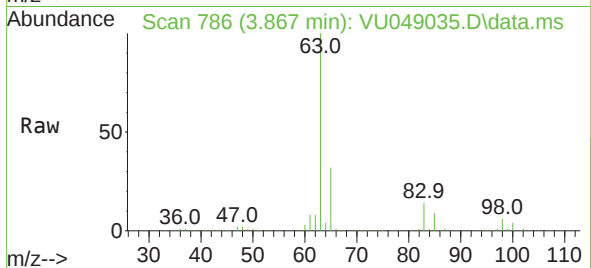
Tgt Ion: 96 Resp: 274618
Ion Ratio Lower Upper
96 100
61 142.9 99.3 184.3
98 63.9 44.7 83.1





#19
1,1-Dichloroethane
Concen: 5049.217 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

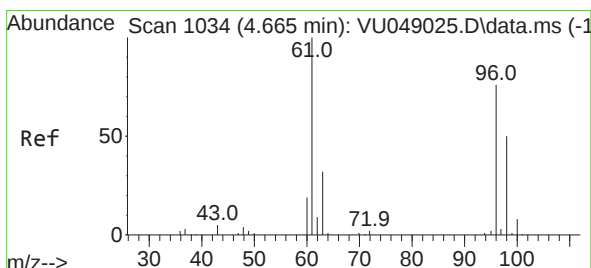
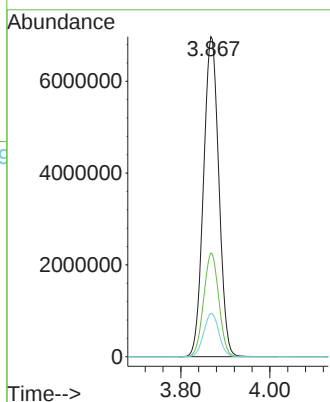
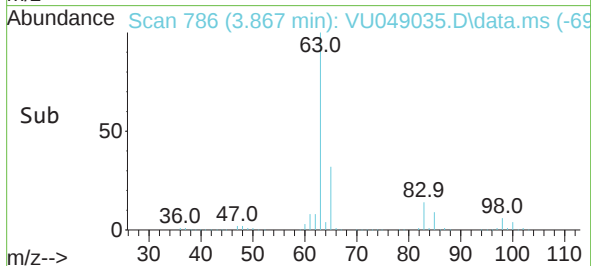
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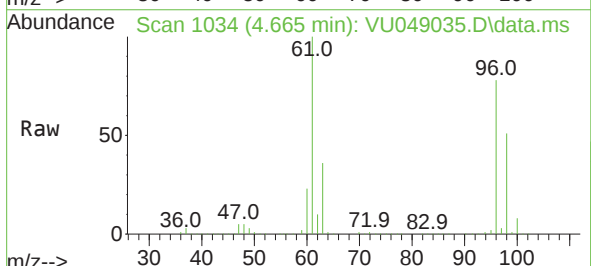
Tgt Ion: 63 Resp:16563810
Ion Ratio Lower Upper
63 100
65 32.4 22.3 41.5
83 13.5 9.5 17.7

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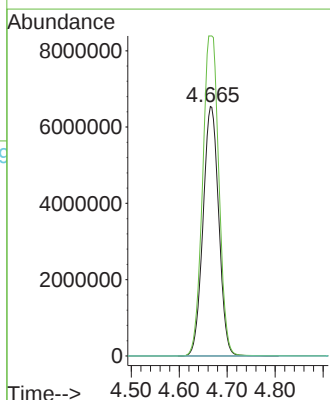
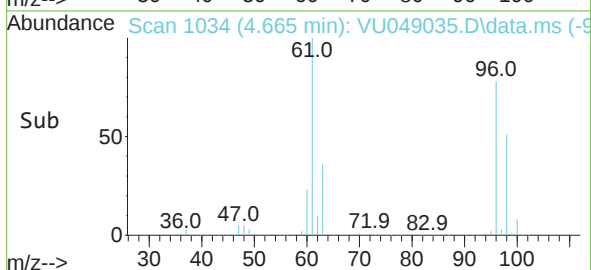
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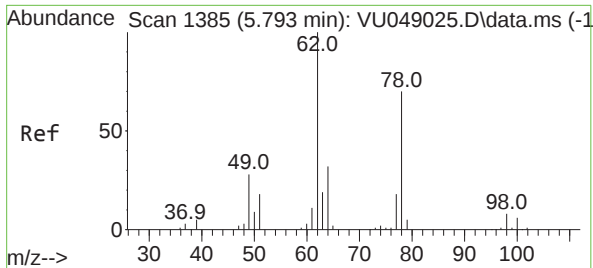


#20
cis-1,2-Dichloroethene
Concen: 8019.901 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46



Tgt Ion: 96 Resp:14857484
Ion Ratio Lower Upper
96 100
61 128.3 91.6 170.2
68 0.0 0.0 0.0





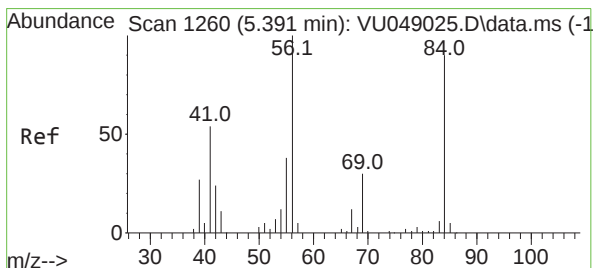
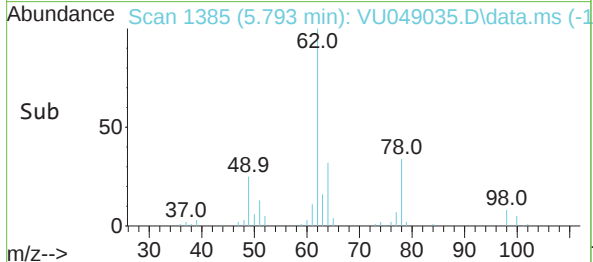
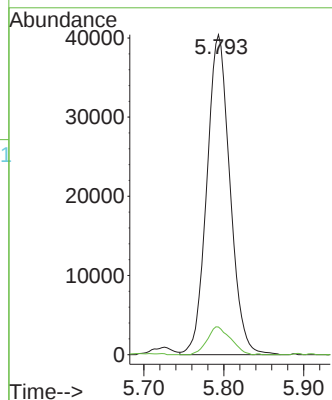
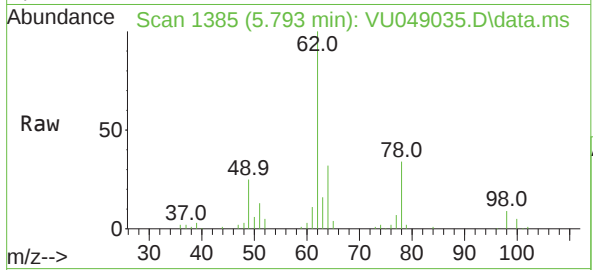
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1,2-Dichloroethane
Concen: 29.133 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

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Tgt Ion: 62 Resp: 81079
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

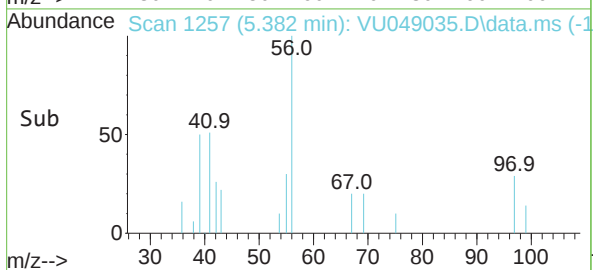
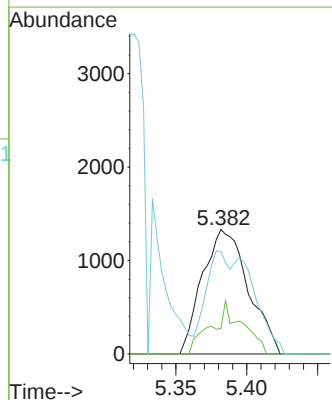
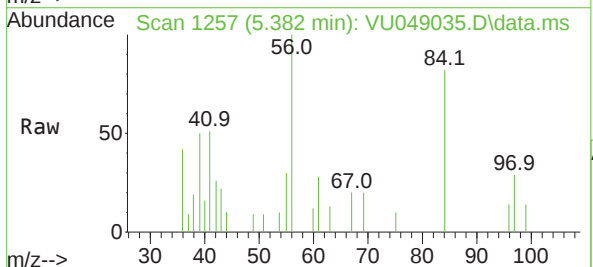
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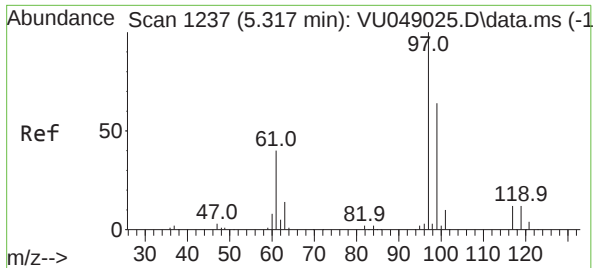
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#29
Cyclohexane
Concen: 1.196 ug/L
RT: 5.382 min Scan# 1257
Delta R.T. -0.010 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Tgt Ion: 56 Resp: 3000
Ion Ratio Lower Upper
56 100
69 7.5 24.6 36.8#
84 32.8 69.7 104.5#





#30

1,1,1-Trichloroethane

Concen: 146.288 ug/L

RT: 5.314 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU049035.D

Acq: 11 Jun 2022 06:46

Instrument :

MSVOA_U

ClientSampleId :

EXYX5

Tgt Ion: 97 Resp: 45712

Ion Ratio Lower Upper

97 100

99 65.9 50.9 76.3

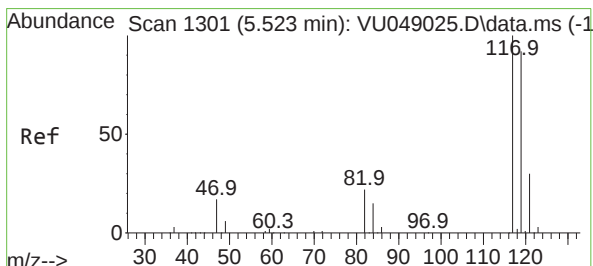
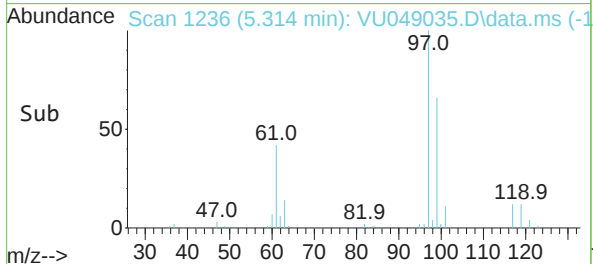
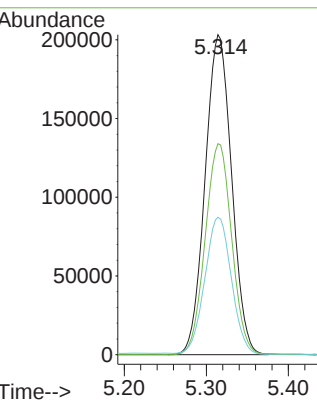
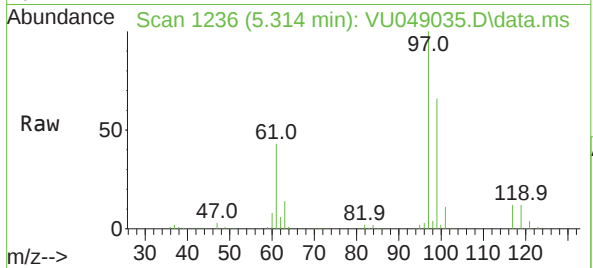
61 42.9 34.2 51.2

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#31

Carbon tetrachloride

Concen: 0.905 ug/L m

RT: 5.530 min Scan# 1303

Delta R.T. 0.007 min

Lab File: VU049035.D

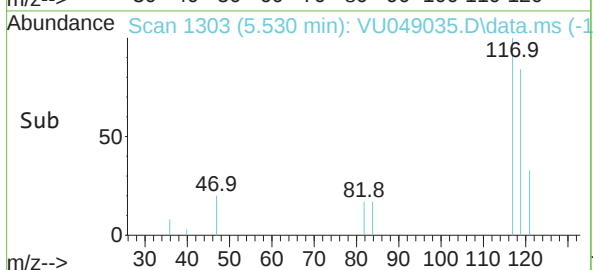
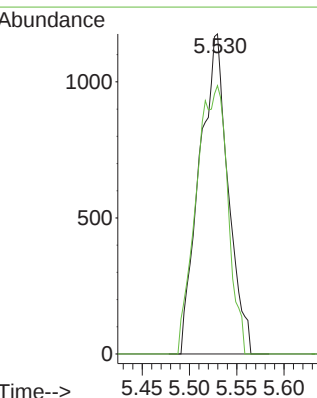
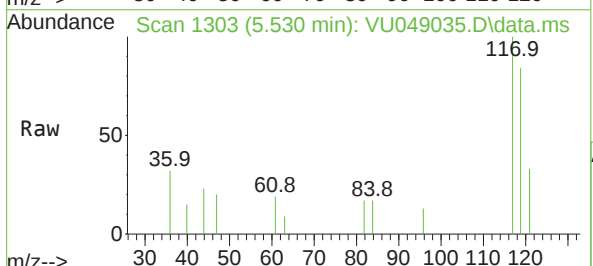
Acq: 11 Jun 2022 06:46

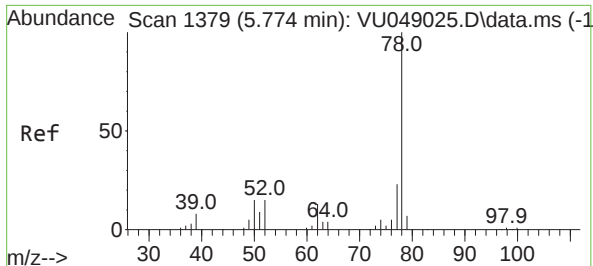
Tgt Ion:117 Resp: 2474

Ion Ratio Lower Upper

117 100

119 2234.2 76.5 114.7#





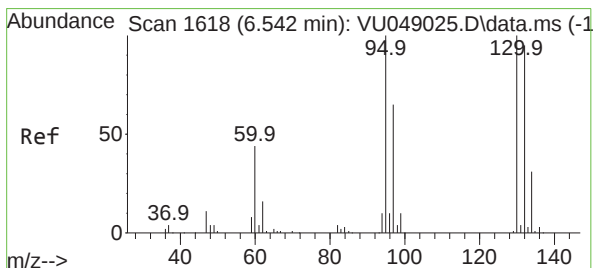
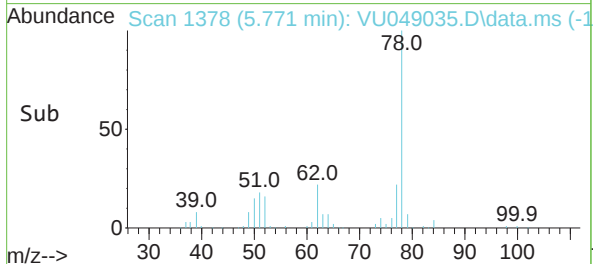
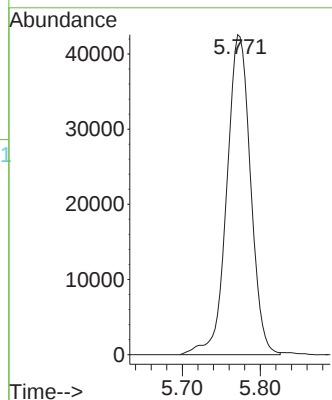
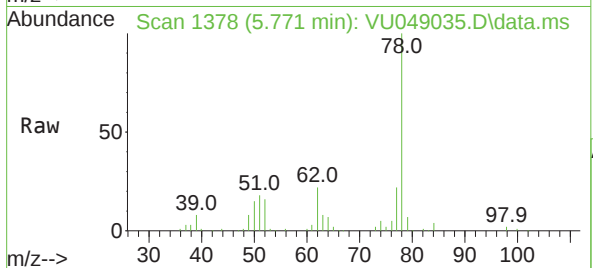
#33
Benzene
Concen: 12.440 ug/L
RT: 5.771 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Instrument :
MSVOA_U
ClientSampleId :
EXYX5

Tgt Ion: 78 Resp: 9030

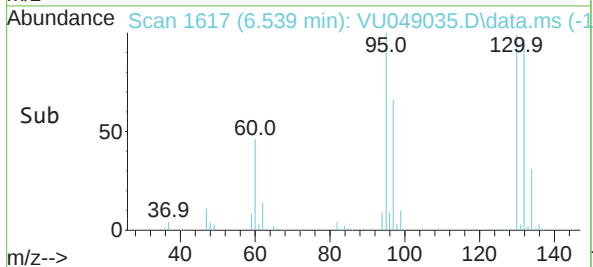
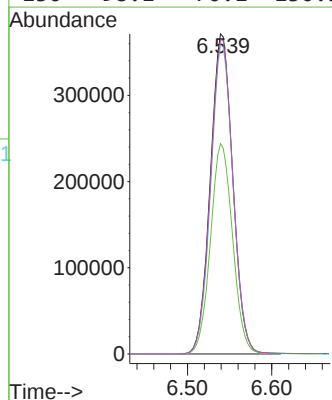
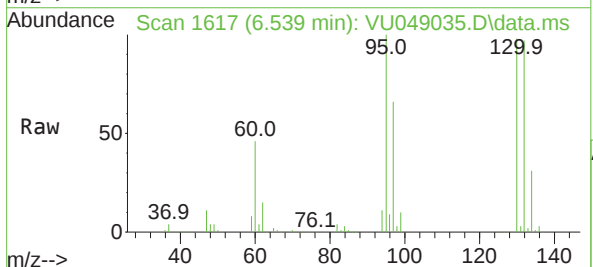
Manual Integrations
APPROVED

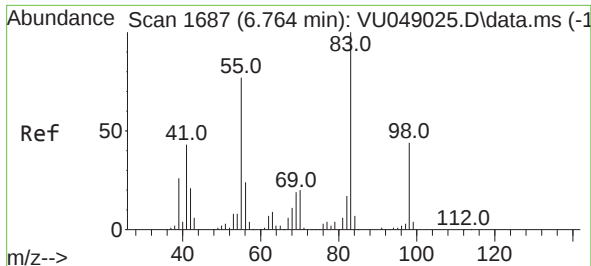
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#34
Trichloroethene
Concen: 374.340 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

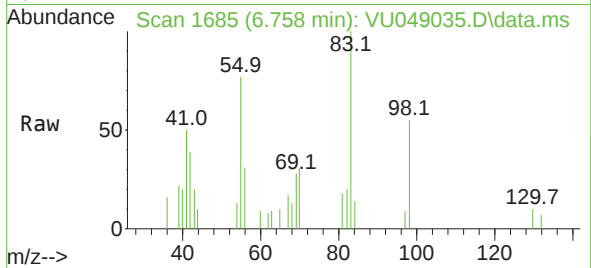
Tgt Ion: 95 Resp: 684984
Ion Ratio Lower Upper
95 100
97 65.7 45.4 84.4
132 96.5 67.6 125.6
130 98.1 70.1 130.3





#35
Methylcyclohexane
Concen: 1.224 ug/L m
RT: 6.758 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

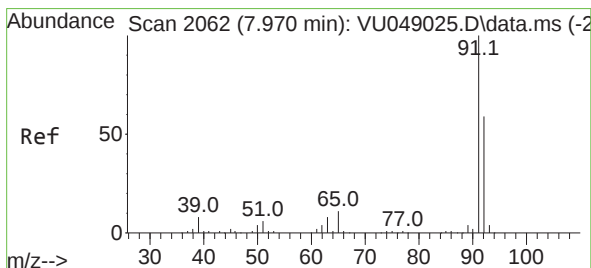
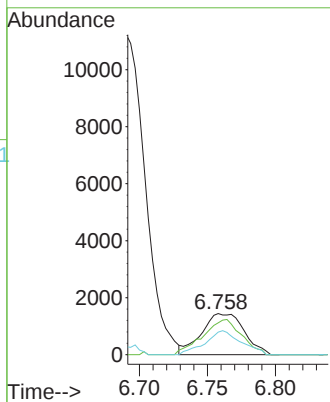
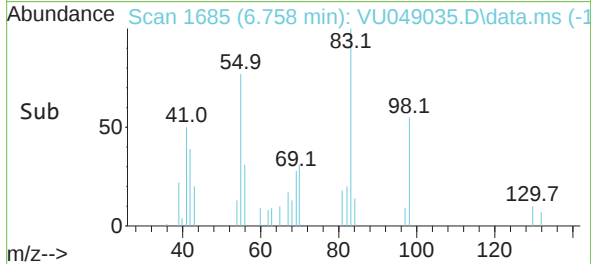
Instrument :
MSVOA_U
ClientSampleId :
EXYX5



Tgt Ion: 83 Resp: 3120
Ion Ratio Lower Upper
83 100
55 78.2 61.0 91.6
98 49.3 36.8 55.2

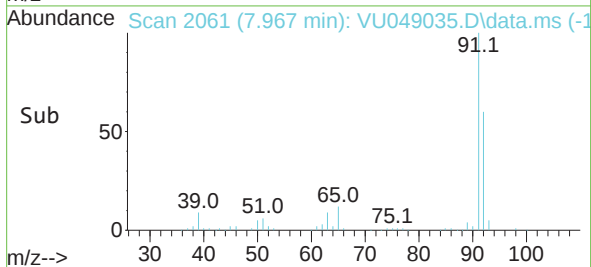
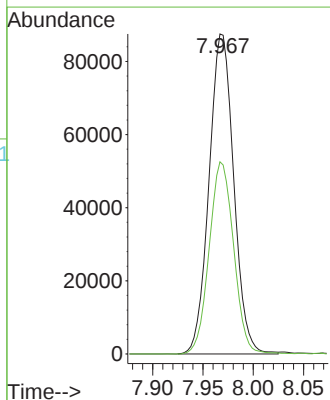
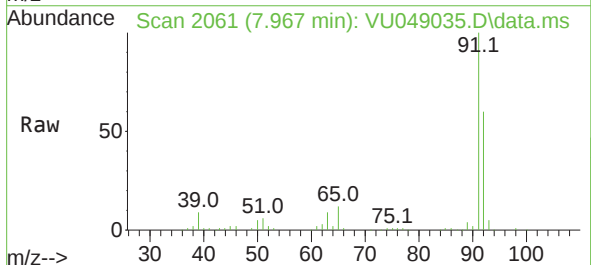
Manual Integrations
APPROVED

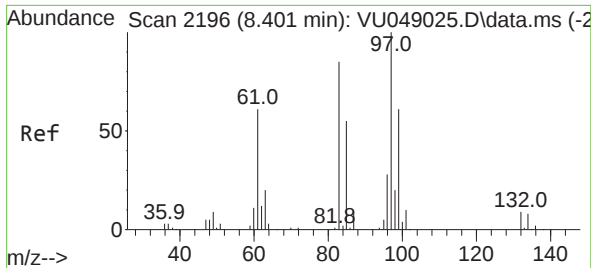
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#42
Toluene
Concen: 19.899 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

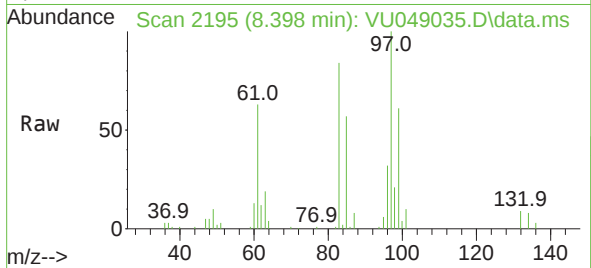
Tgt Ion: 91 Resp: 149308
Ion Ratio Lower Upper
91 100
92 60.0 41.6 77.3





#45
1,1,2-Trichloroethane
Concen: 19.590 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

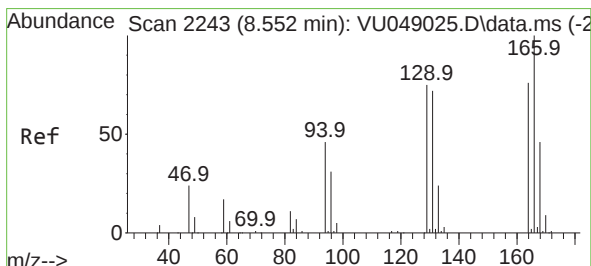
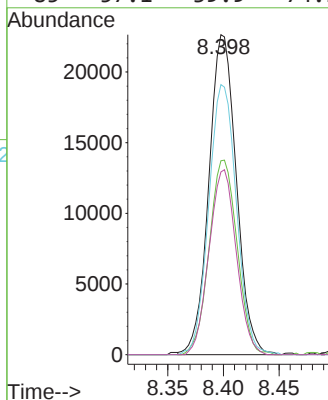
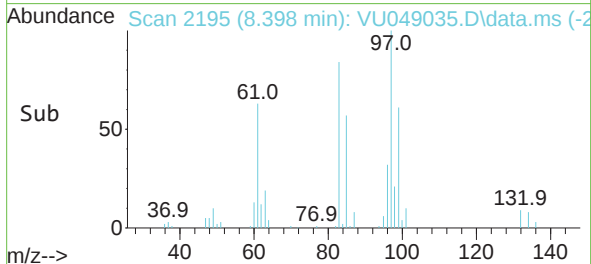
Instrument :
MSVOA_U
ClientSampleId :
EXYX5



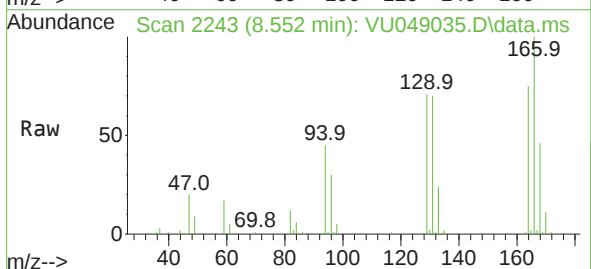
Tgt Ion:	97	Resp:	3885
Ion	Ratio	Lower	Upper
97	100		
99	60.6	43.5	80.9
83	84.4	60.3	112.1
85	57.1	39.9	74.1

Manual Integrations
APPROVED

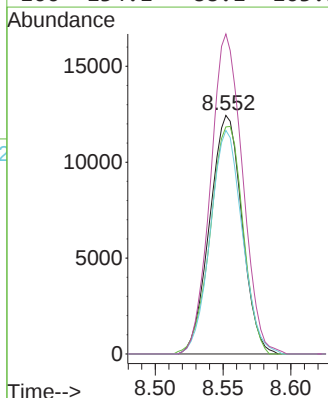
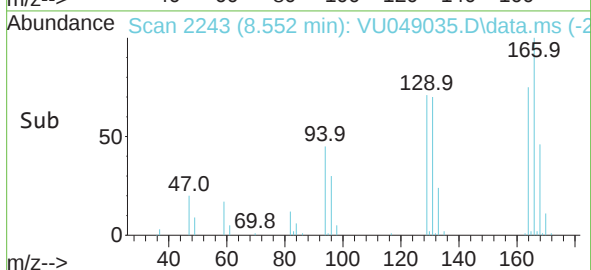
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022

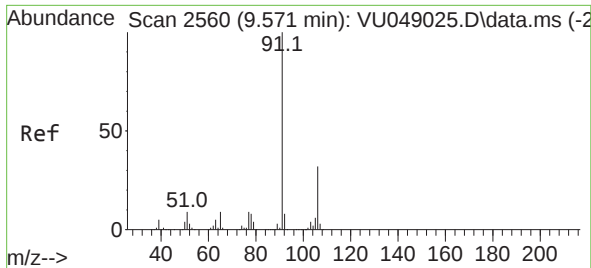


#46
Tetrachloroethene
Concen: 14.513 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46



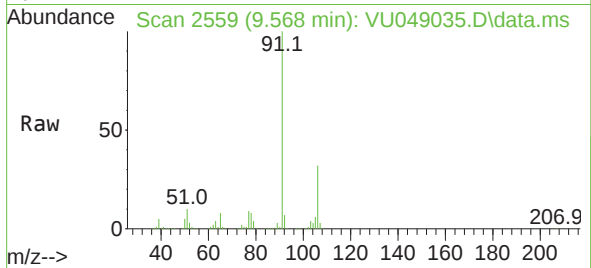
Tgt Ion:	164	Resp:	20589
Ion	Ratio	Lower	Upper
164	100		
129	95.2	70.9	131.7
131	93.7	66.2	123.0
166	134.1	88.1	163.5





#52
Ethylbenzene
Concen: 44.132 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

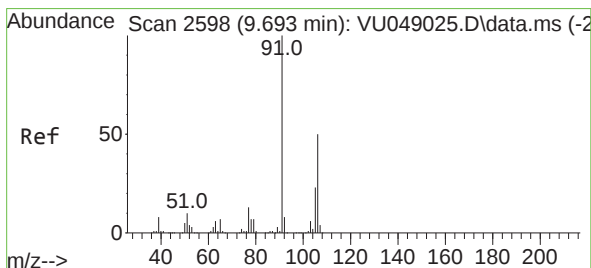
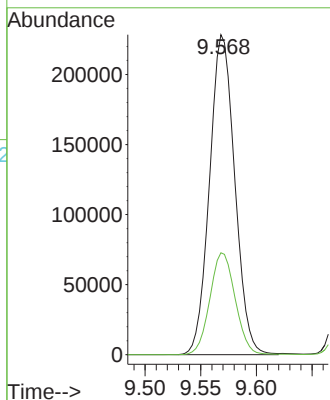
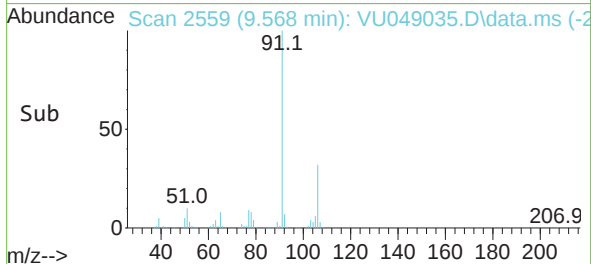
Instrument :
MSVOA_U
ClientSampleId :
EXYX5



Tgt Ion: 91 Resp: 36003
Ion Ratio Lower Upper
91 100
106 31.9 21.6 40.2

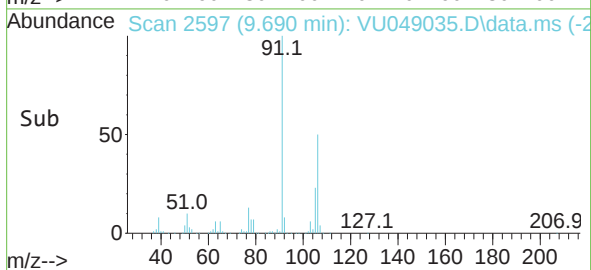
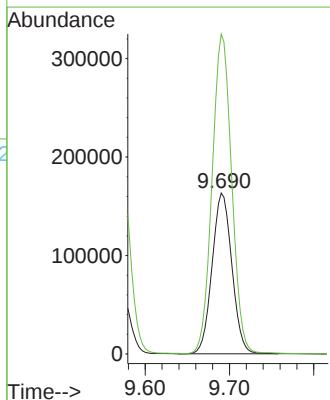
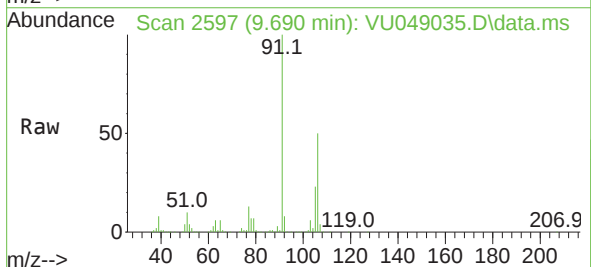
Manual Integrations
APPROVED

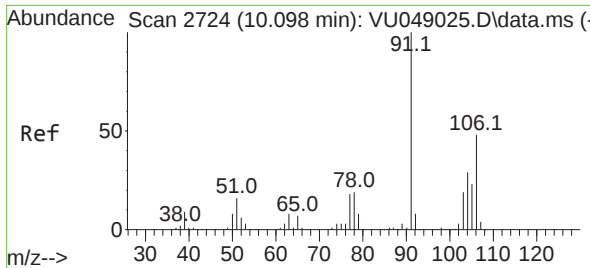
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#53
m,p-Xylene
Concen: 83.016 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. -0.003 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Tgt Ion:106 Resp: 265955
Ion Ratio Lower Upper
106 100
91 198.7 137.4 255.2





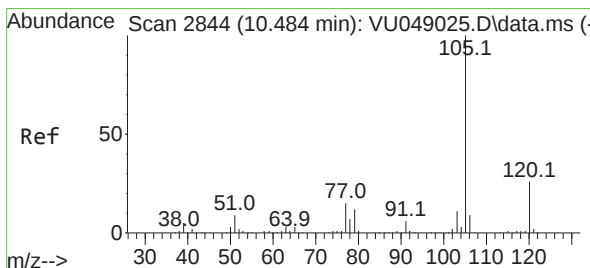
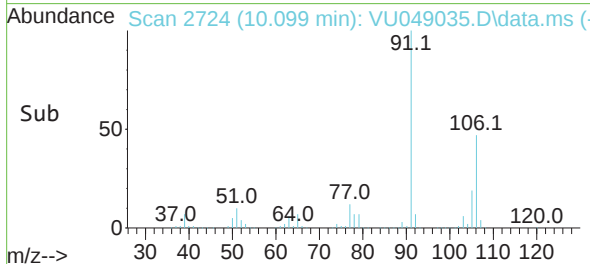
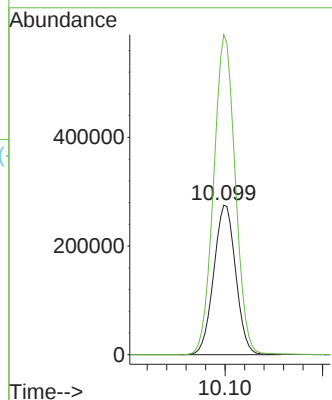
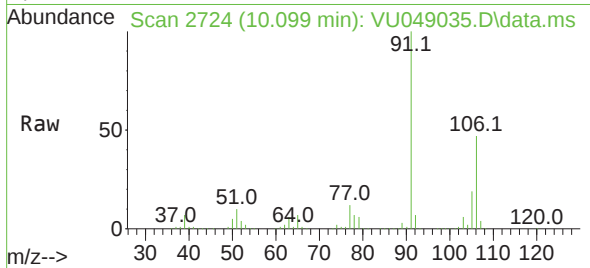
#54
o-Xylene
Concen: 133.599 ug/L
RT: 10.099 min Scan# 2724
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Instrument :
MSVOA_U
ClientSampleId :
EXYX5

Tgt Ion:106 Resp: 431225
Ion Ratio Lower Upper
106 100
91 214.1 145.2 269.6

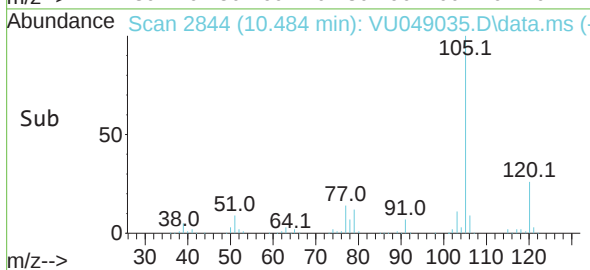
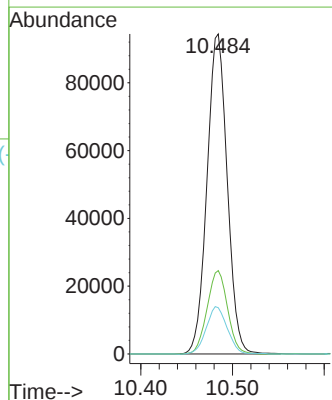
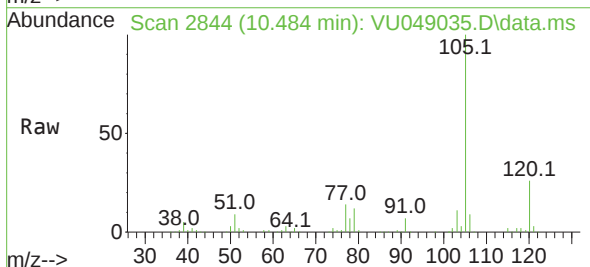
Manual Integrations
APPROVED

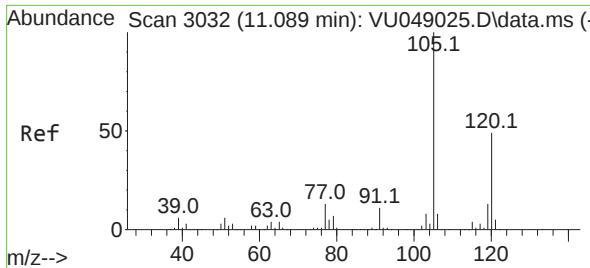
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#61
Isopropylbenzene
Concen: 17.043 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Tgt Ion:105 Resp: 144522
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.3 12.7 19.1





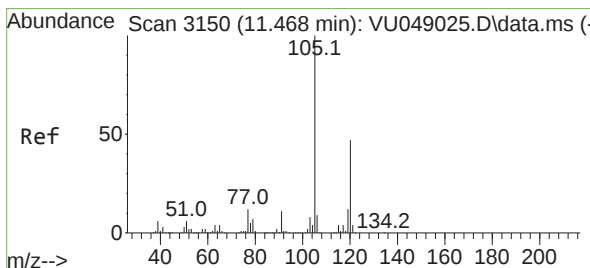
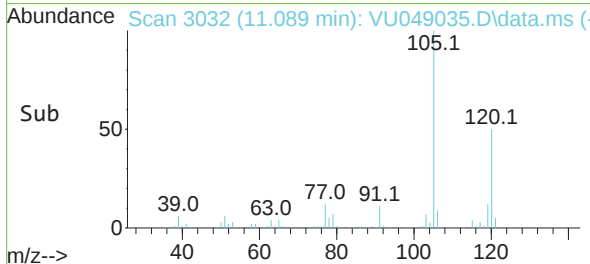
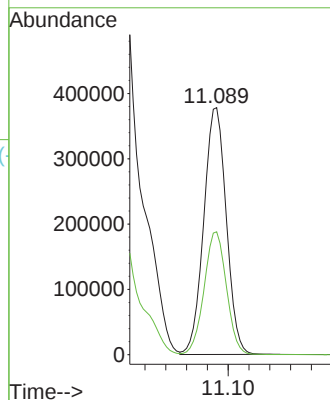
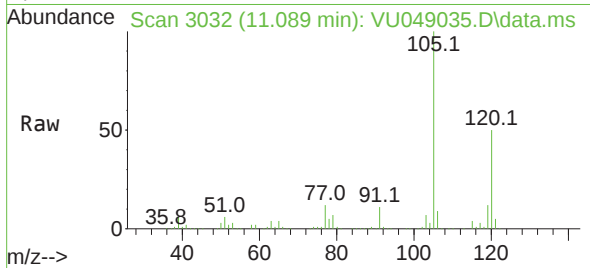
#62
1,3,5-Trimethylbenzene
Concen: 78.639 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Instrument :
MSVOA_U
ClientSampleId :
EXYX5

Tgt Ion:105 Resp: 569332
Ion Ratio Lower Upper
105 100
120 49.3 39.1 58.7

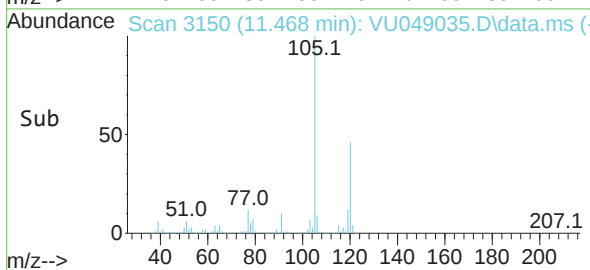
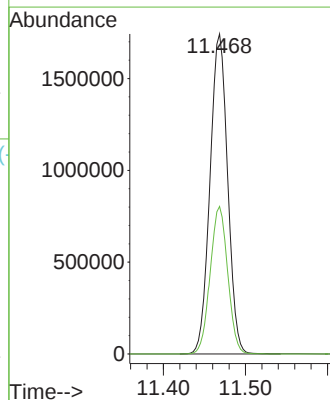
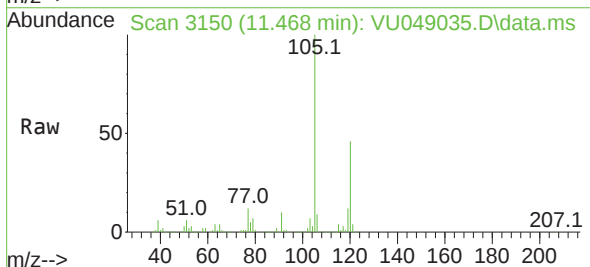
Manual Integrations
APPROVED

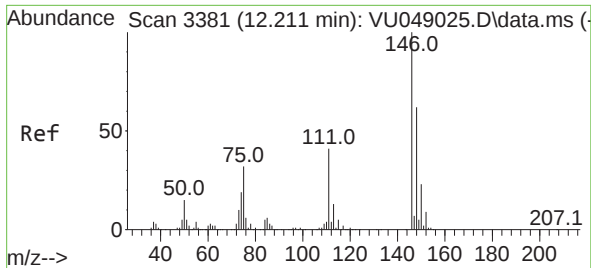
Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022



#63
1,2,4-Trimethylbenzene
Concen: 451.004 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

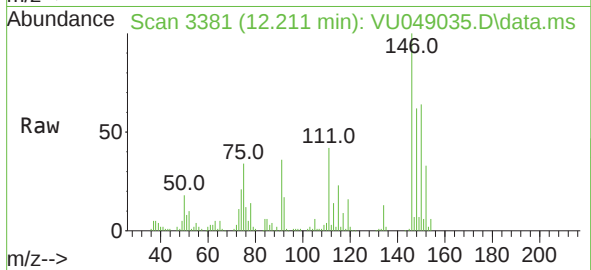
Tgt Ion:105 Resp: 2599566
Ion Ratio Lower Upper
105 100
120 45.9 36.3 54.5





#67
1,2-Dichlorobenzene
Concen: 18.487 ug/L
RT: 12.211 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049035.D
Acq: 11 Jun 2022 06:46

Instrument :
MSVOA_U
ClientSampleId :
EXYX5



Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	33.9	50.9
148	62.4	50.2	75.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 06/12/2022
Supervised By :Mahesh Dadoda 06/15/2022

