

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048149.D
 Acq On : 20 Apr 2022 17:41
 Operator : SY/MD
 Sample : N2485-14
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J21

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

Quant Time: Apr 21 02:43:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	362272	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	390355	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.832	152	275772	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	108842	41.431	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	82.860%	
7) Chloroethane-d5	1.916	69	92966	44.880	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	89.760%	
11) 1,1-Dichloroethene-d2	2.568	63	145825	30.339	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	60.680%	
21) 2-Butanone-d5	4.626	46	191530	84.941	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	84.940%	
24) Chloroform-d	5.067	84	226087	47.034	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	94.060%	
26) 1,2-Dichloroethane-d4	5.703	65	129122	43.798	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	87.600%	
32) Benzene-d6	5.732	84	420412	42.801	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	85.600%	
36) 1,2-Dichloropropane-d6	6.694	67	135563	44.940	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	89.880%	
41) Toluene-d8	7.899	98	361808	37.807	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	75.620%#	
43) trans-1,3-Dichloroprop...	8.179	79	57952	37.921	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	75.840%	
47) 2-Hexanone-d5	8.636	63	137569	77.903	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	77.900%	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	225847	43.626	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	87.260%	
66) 1,2-Dichlorobenzene-d4	12.221	152	221913	45.231	ug/L	0.03
Spiked Amount 50.000	Range 80	- 120	Recovery	=	90.460%	
Target Compounds						Qvalue
13) Acetone	2.639	43	10031	4.780	ug/L	93
25) Chloroform	5.089	83	454354	91.293	ug/L	97
29) Cyclohexane	5.391	56	9948	2.511	ug/L	98
31) Carbon tetrachloride	5.527	117	168498	42.157	ug/L	99
33) Benzene	5.771	78	20668983m	1829.287	ug/L	
35) Methylcyclohexane	6.768	83	7533	1.672	ug/L	# 86
38) Bromodichloromethane	7.108	83	2181	0.553	ug/L	# 94
42) Toluene	7.970	91	18025	1.454	ug/L	98
46) Tetrachloroethene	8.555	164	3441	1.293	ug/L	93
51) Chlorobenzene	9.443	112	29834032m	3544.136	ug/L	
64) 1,3-Dichlorobenzene	11.745	146	20620394m	2489.183	ug/L	
65) 1,4-Dichlorobenzene	11.835	146	31348957m	3653.497	ug/L	
67) 1,2-Dichlorobenzene	12.214	146	35395514m	4270.219	ug/L	
69) 1,3,5-Trichlorobenzene	13.221	180	17450	2.594	ug/L	99
70) 1,2,4-trichlorobenzene	13.845	180	19705068m	3343.856	ug/L	
72) 1,2,3-Trichlorobenzene	14.336	180	11150320	1887.478	ug/L	98

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

Instrument :

MSVOA_U

ClientSampleId :

C0J21

Manual Integrations

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Reviewed By :John Carlone 04/21/2022

Supervised By :Mahesh Dadoda 04/21/2022

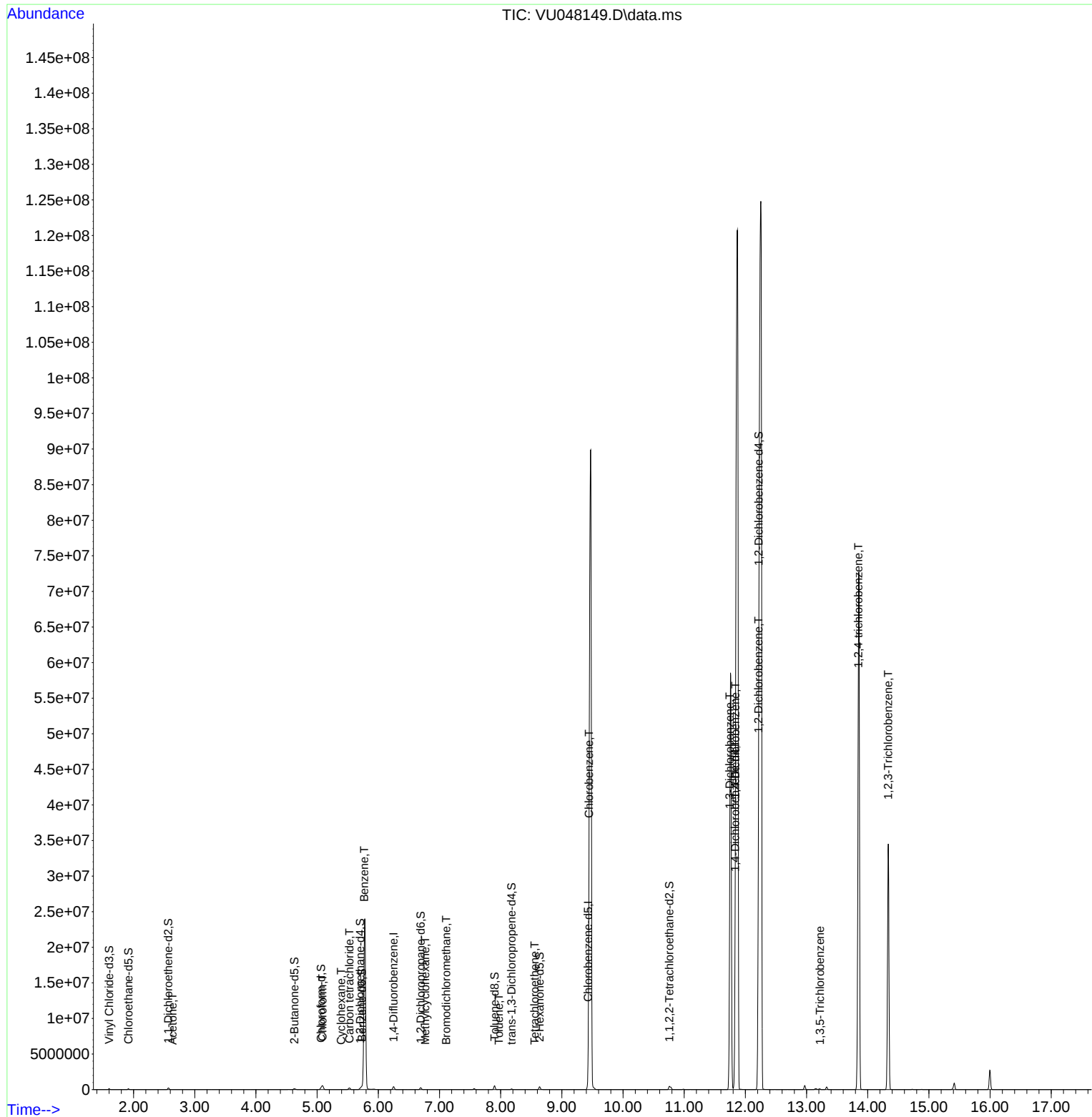
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
Data File : VU048149.D
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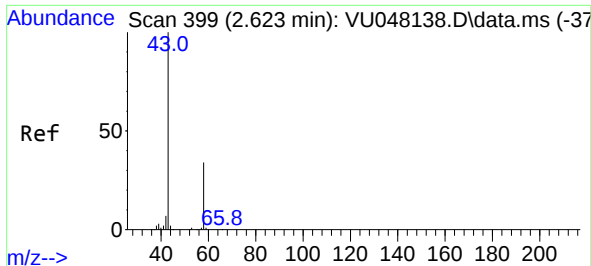
Instrument :
MSVOA_U
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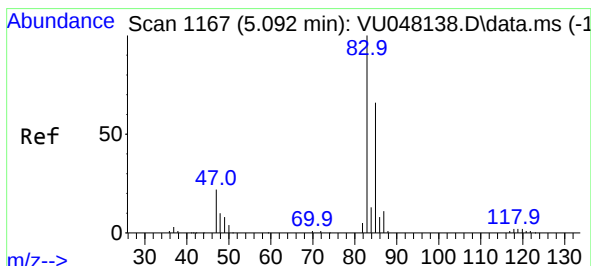
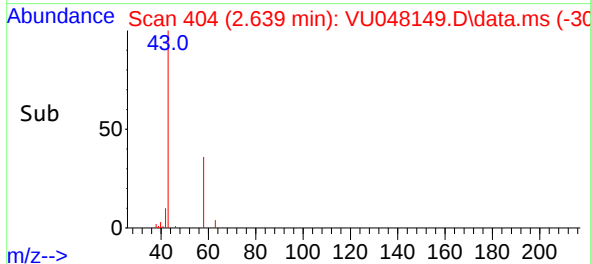
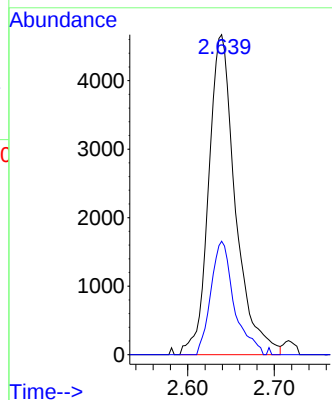
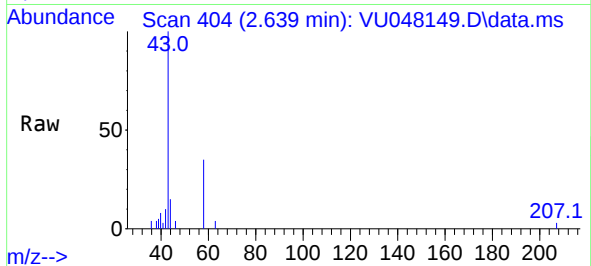
#13
Acetone
Concen: 4.780 ug/L
RT: 2.639 min Scan# 404
Delta R.T. 0.016 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Instrument :
MSVOA_U
ClientSampleId :
C0J21

Tgt Ion: 43 Resp: 1003
Ion Ratio Lower Upper
43 100
58 30.8 0.0 70.0

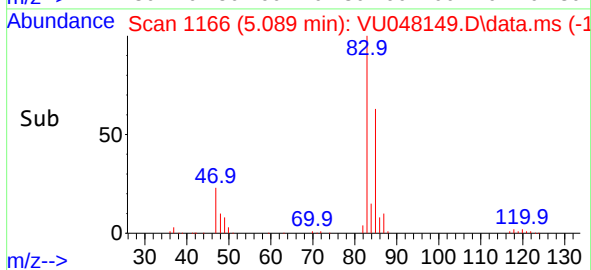
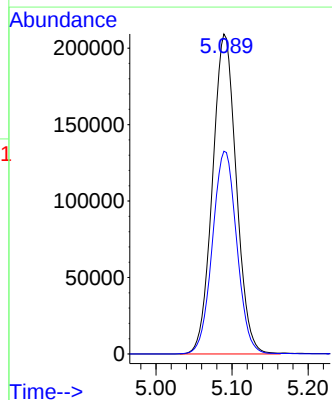
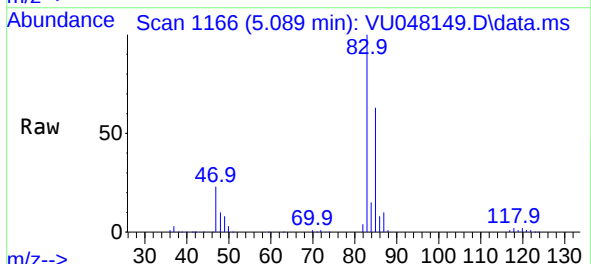
Manual Integrations
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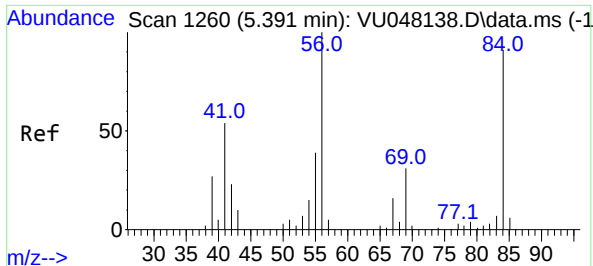
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#25
Chloroform
Concen: 91.293 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Tgt Ion: 83 Resp: 454354
Ion Ratio Lower Upper
83 100
85 63.4 46.2 85.8





#29

Cyclohexane

Concen: 2.511 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

Instrument :

MSVOA_U

ClientSampleId :

C0J21

Tgt Ion: 56 Resp: 994

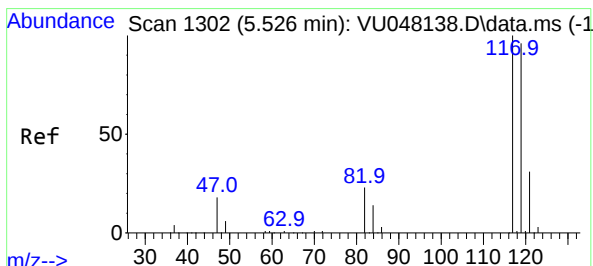
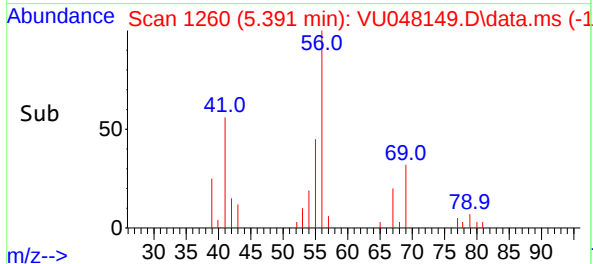
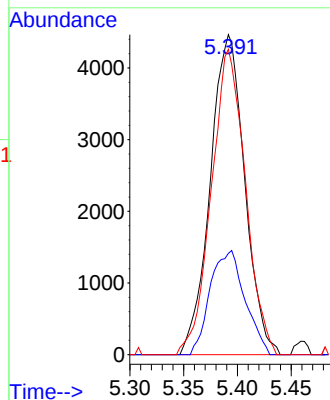
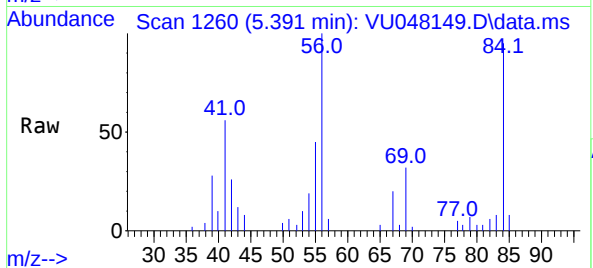
Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.4	38.2
84	94.3	77.0	115.6

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#31

Carbon tetrachloride

Concen: 42.157 ug/L

RT: 5.527 min Scan# 1302

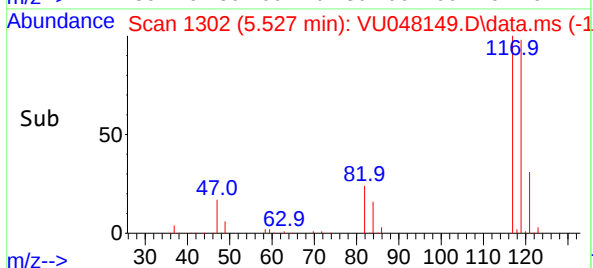
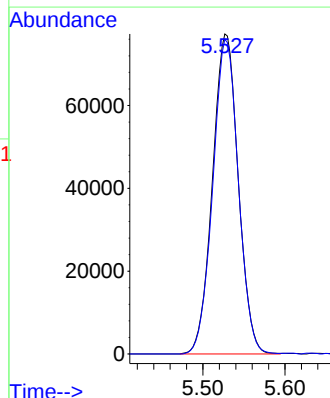
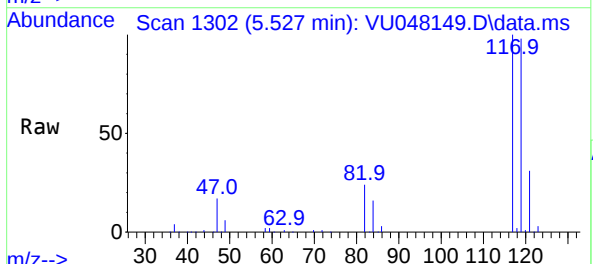
Delta R.T. 0.000 min

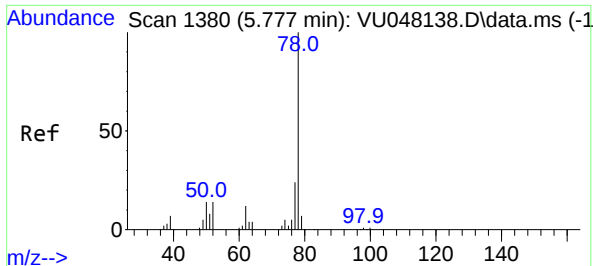
Lab File: VU048149.D

Acq: 20 Apr 2022 17:41

Tgt Ion:117 Resp: 168498

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.2	115.8





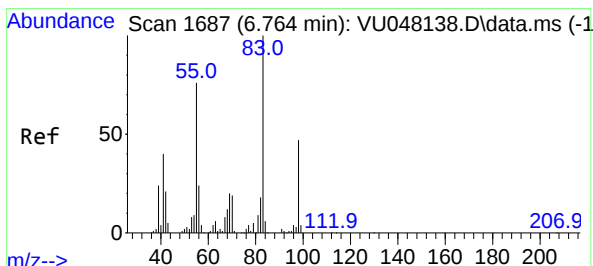
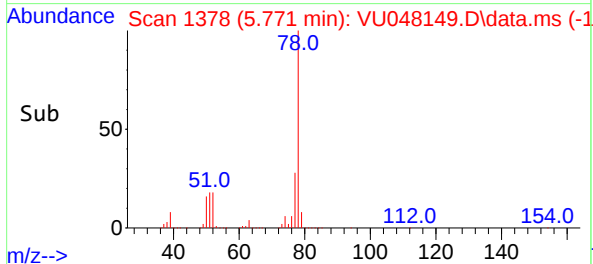
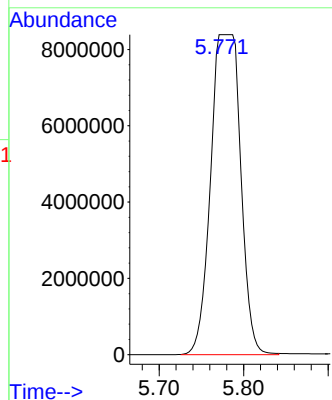
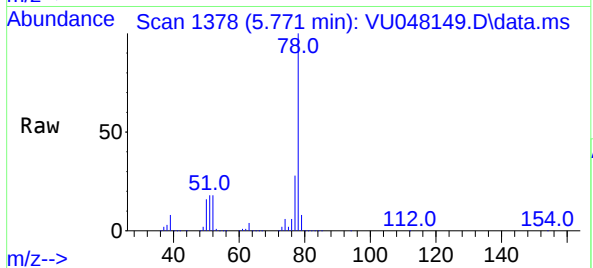
#33
Benzene
Concen: 1829.287 ug/L m
RT: 5.771 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

Instrument :
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Tgt Ion: 78 Resp:2066898

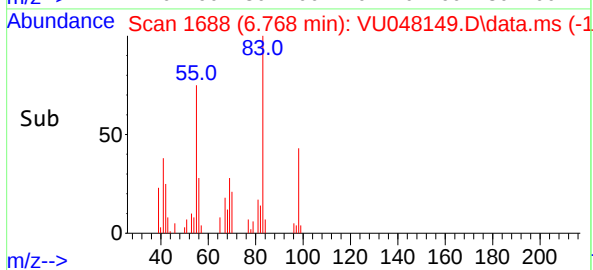
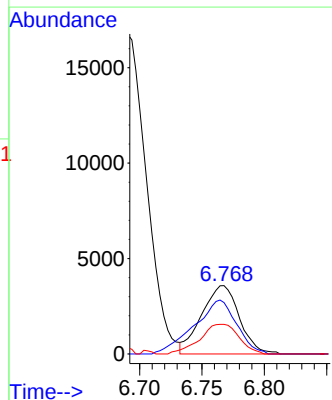
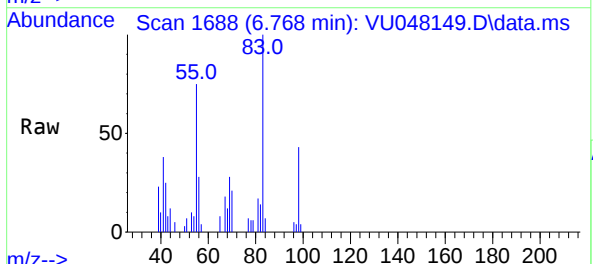
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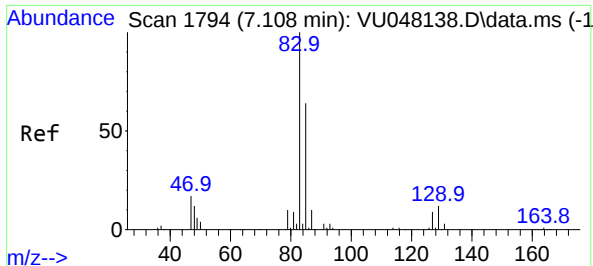
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#35
Methylcyclohexane
Concen: 1.672 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

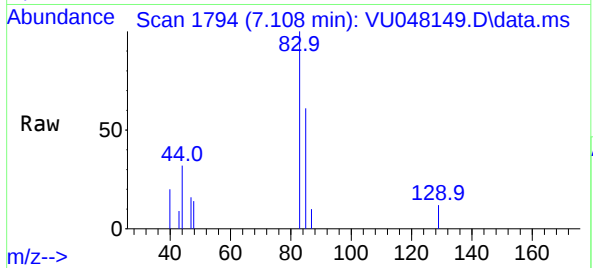
Tgt Ion: 83 Resp: 7533
Ion Ratio Lower Upper
83 100
55 88.6 56.8 85.2#
98 45.0 38.1 57.1





#38
Bromodichloromethane
Concen: 0.553 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

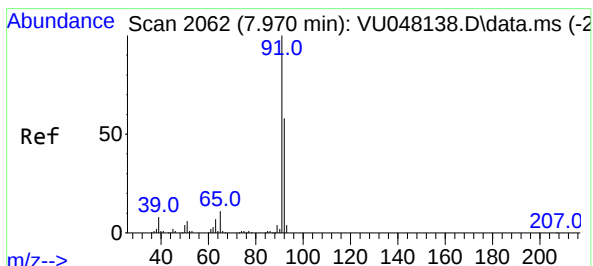
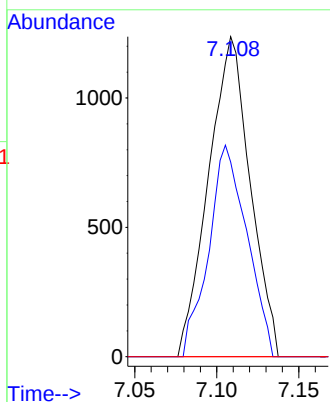
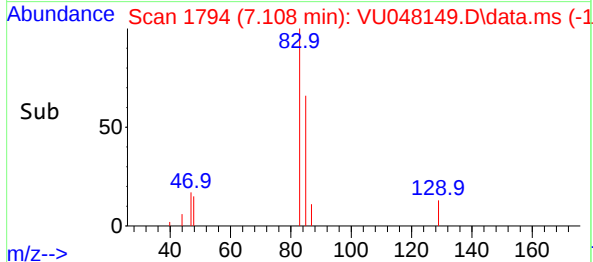
Instrument :
MSVOA_U
ClientSampleId :
C0J21



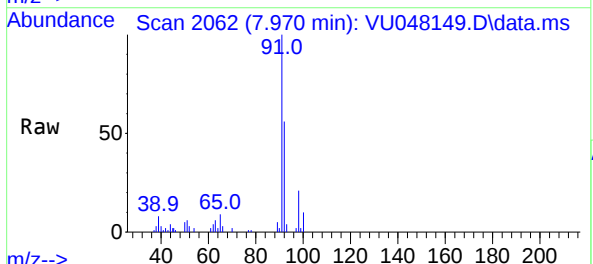
Tgt Ion: 83 Resp: 218
Ion Ratio Lower Upper
83 100
85 60.8 44.4 82.4
127 0.0 7.2 10.8

Manual Integrations
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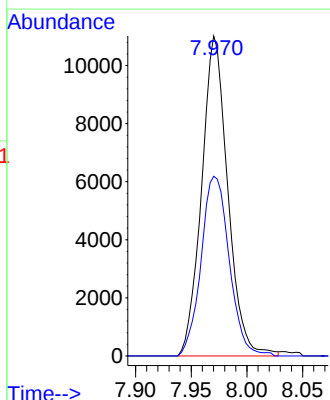
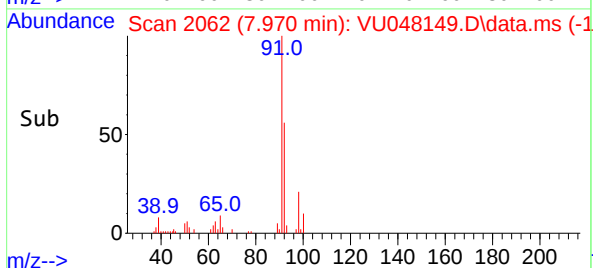
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

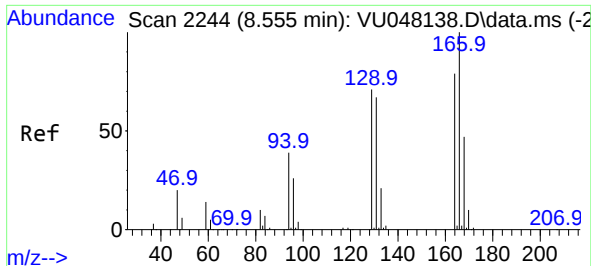


#42
Toluene
Concen: 1.454 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41



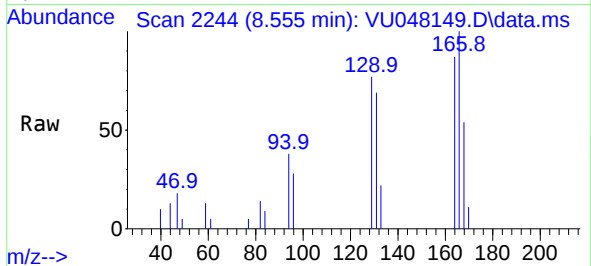
Tgt Ion: 91 Resp: 18025
Ion Ratio Lower Upper
91 100
92 56.2 40.4 75.0





#46
Tetrachloroethene
Concen: 1.293 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

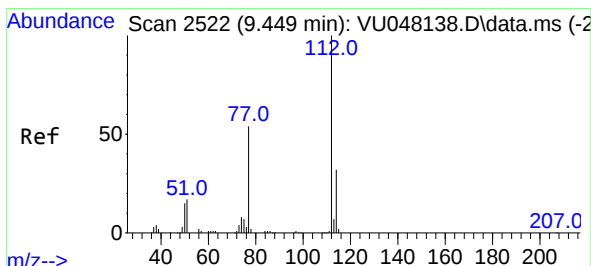
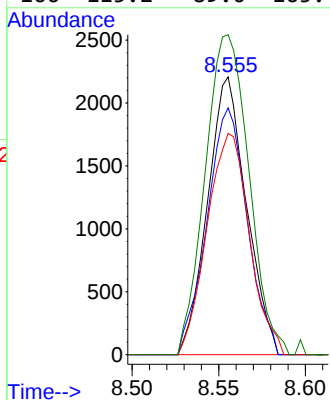
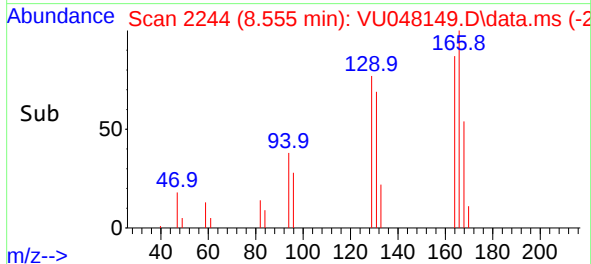
Instrument :
MSVOA_U
ClientSampleId :
C0J21



Tgt Ion:164 Resp: 344
Ion Ratio Lower Upper
164 100
129 88.9 62.4 116.0
131 79.7 60.7 112.7
166 115.2 89.0 165.4

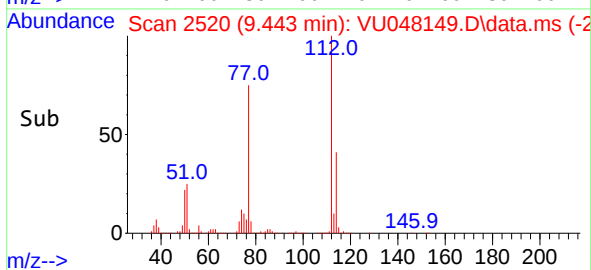
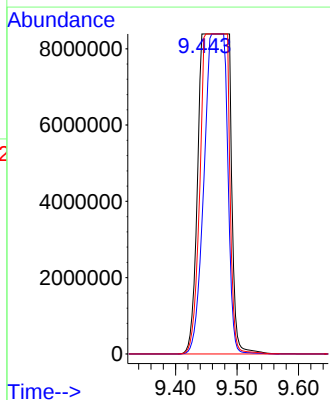
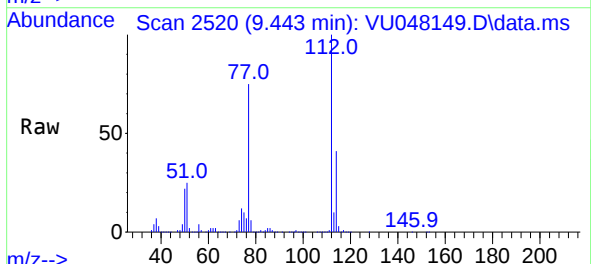
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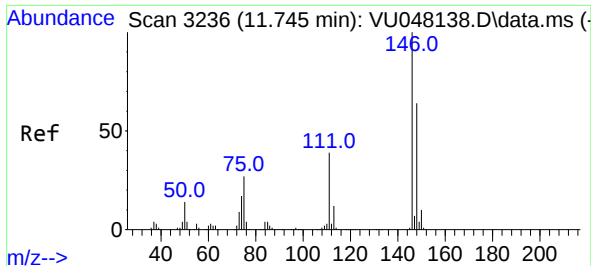
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#51
Chlorobenzene
Concen: 3544.136 ug/L m
RT: 9.443 min Scan# 2520
Delta R.T. -0.006 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

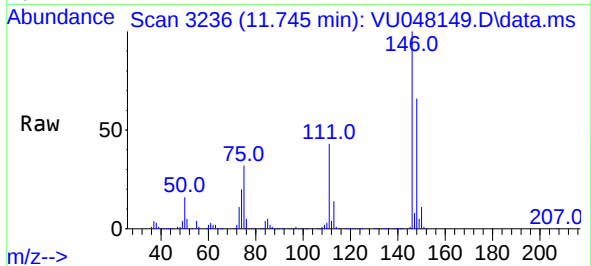
Tgt Ion:112 Resp:29834032
Ion Ratio Lower Upper
112 100
114 40.6 22.1 41.1
77 74.7 43.4 65.0#





#64
1,3-Dichlorobenzene
Concen: 2489.183 ug/L m
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

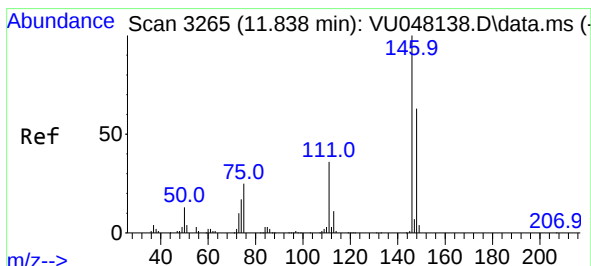
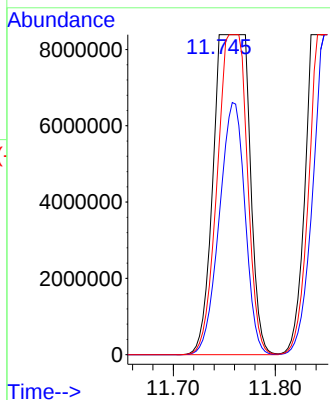
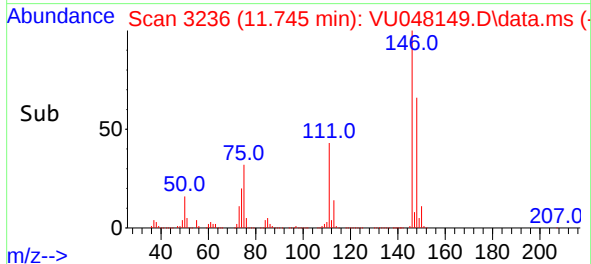
Instrument :
MSVOA_U
ClientSampleId :
C0J21



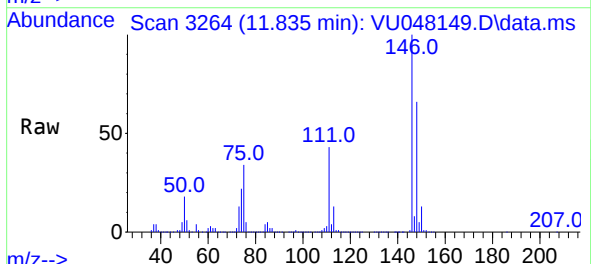
Tgt Ion:146 Resp:20620394
Ion Ratio Lower Upper
146 100
111 42.9 26.7 49.7
148 65.6 44.4 82.5

Manual Integrations
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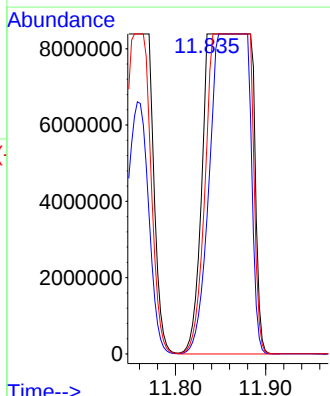
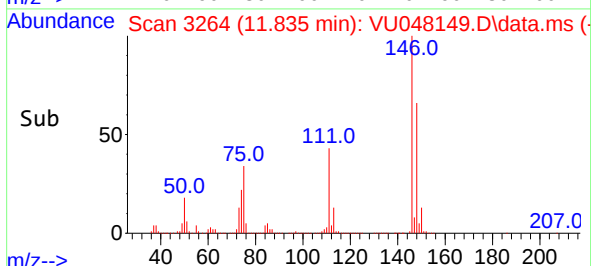
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

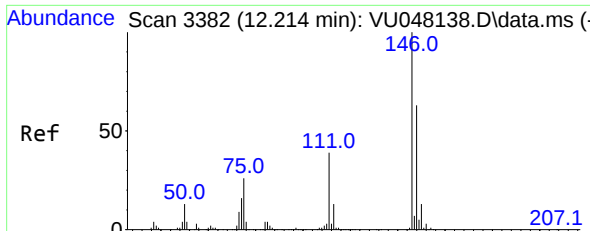


#65
1,4-Dichlorobenzene
Concen: 3653.497 ug/L m
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41



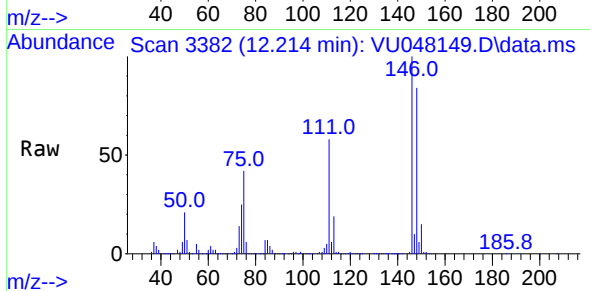
Tgt Ion:146 Resp:31348957
Ion Ratio Lower Upper
146 100
111 42.6 25.3 47.1
148 66.0 44.5 82.7





#67
1,2-Dichlorobenzene
Concen: 4270.219 ug/L m
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

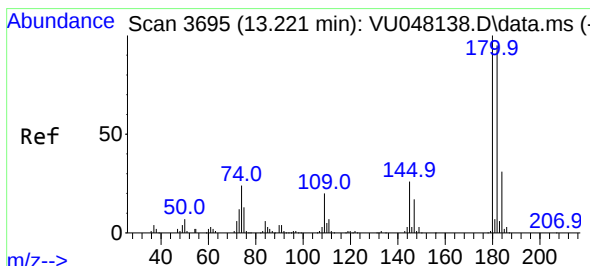
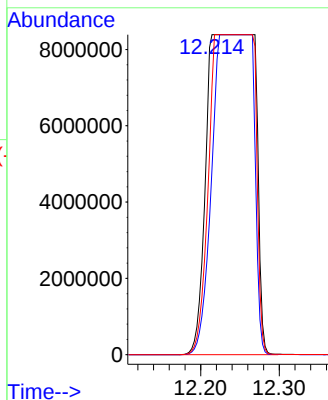
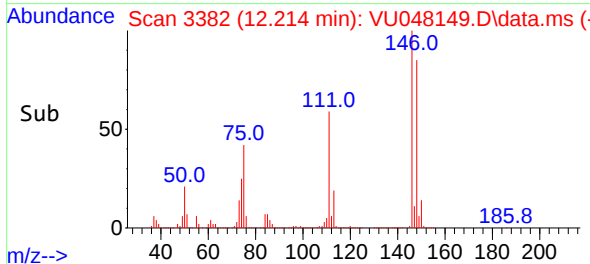
Instrument :
MSVOA_U
ClientSampleId :
C0J21



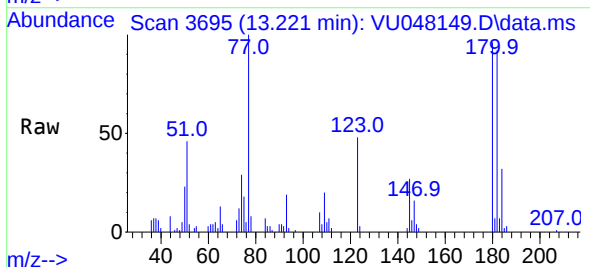
Tgt Ion:146 Resp:35395514
Ion Ratio Lower Upper
146 100
111 57.8 31.7 47.5
148 83.6 51.4 77.2

Manual Integrations
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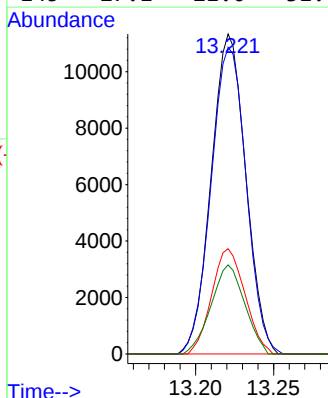
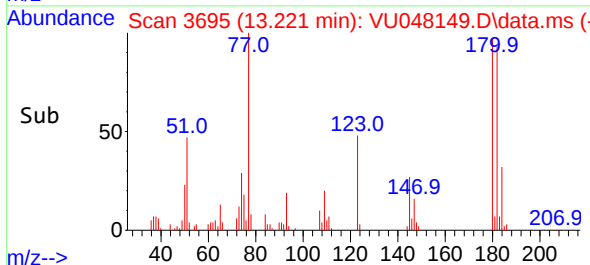
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

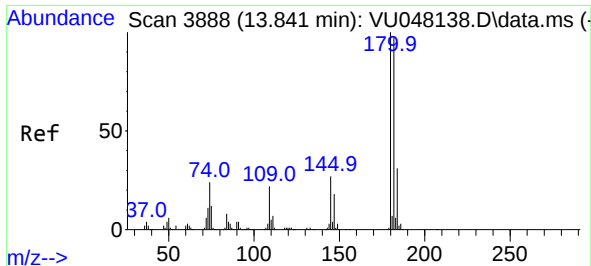


#69
1,3,5-Trichlorobenzene
Concen: 2.594 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41



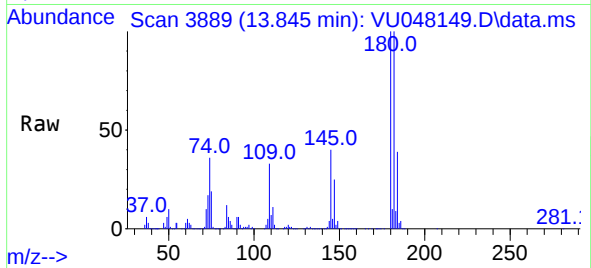
Tgt Ion:180 Resp: 17450
Ion Ratio Lower Upper
180 100
182 97.5 77.0 115.6
184 31.7 24.5 36.7
145 27.1 21.0 31.6





#70
1,2,4-trichlorobenzene
Concen: 3343.856 ug/L m
RT: 13.845 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41

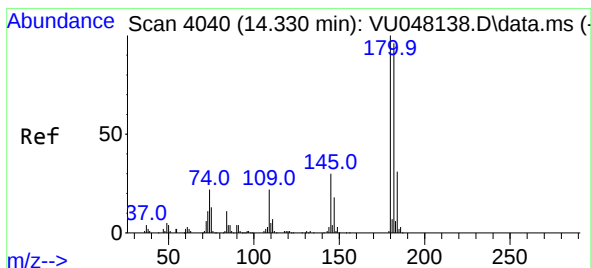
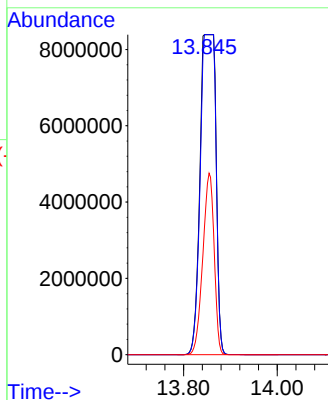
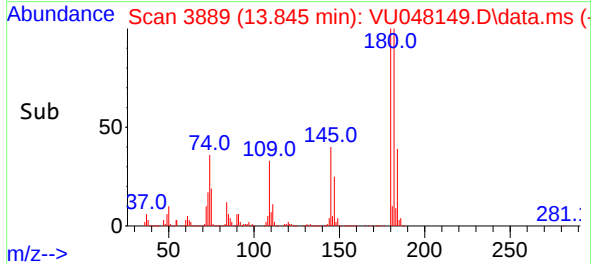
Instrument :
MSVOA_U
ClientSampleId :
C0J21



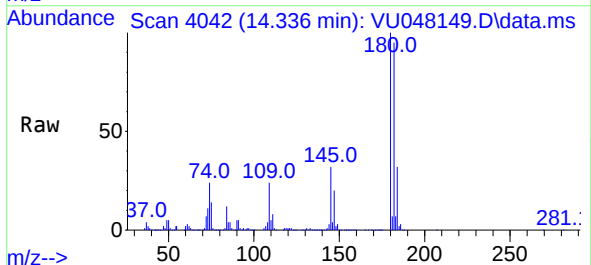
Tgt Ion:180 Resp:1970506
Ion Ratio Lower Upper
180 100
182 0.0 76.2 114.2
145 0.0 21.8 32.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#72
1,2,3-Trichlorobenzene
Concen: 1887.478 ug/L
RT: 14.336 min Scan# 4042
Delta R.T. 0.006 min
Lab File: VU048149.D
Acq: 20 Apr 2022 17:41



Tgt Ion:180 Resp:11150320
Ion Ratio Lower Upper
180 100
182 95.6 77.4 116.0
145 30.9 22.8 34.2

