

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040922\
 Data File : VU047888.D
 Acq On : 08 Apr 2022 23:33
 Operator : SY/MD
 Sample : N2343-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J71

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 09 02:09:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 09 01:58:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	358026	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.439	117	391296	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.841	152	269632	50.000	ug/L	# 0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	118361	45.589	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.180%
7) Chloroethane-d5	1.916	69	101850	49.752	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.500%
11) 1,1-Dichloroethene-d2	2.568	63	166546	35.061	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.120%
21) 2-Butanone-d5	4.620	46	193681	86.913	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.910%
24) Chloroform-d	5.070	84	343991	72.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	144.820%#
26) 1,2-Dichloroethane-d4	5.713	65	137446	47.174	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.340%
32) Benzene-d6	5.739	84	449173	45.619	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.240%
36) 1,2-Dichloropropane-d6	6.694	67	138563	45.824	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.640%
41) Toluene-d8	7.899	98	400500	41.749	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.500%
43) trans-1,3-Dichloroprop...	8.179	79	61814	40.350	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.700%
47) 2-Hexanone-d5	8.636	63	148104	83.667	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.670%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	232833	44.867	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.740%
66) 1,2-Dichlorobenzene-d4	12.224	152	225621	47.034	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.060%
Target Compounds						
						Qvalue
12) 1,1-Dichloroethene	2.581	96	34663	14.114	ug/L #	49
13) Acetone	2.623	43	10488	5.057	ug/L	96
16) Methylene chloride	3.051	84	5650	2.005	ug/L	98
22) 2-Butanone	4.713	43	4032m	1.509	ug/L	
25) Chloroform	5.089	83	3339263	678.912	ug/L	99
29) Cyclohexane	5.395	56	18524	4.665	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	2840	0.640	ug/L #	89
31) Carbon tetrachloride	5.526	117	2158	0.539	ug/L	94
33) Benzene	5.764	78	39836896m	3517.244	ug/L	
34) Trichloroethene	6.546	95	20209	6.806	ug/L	97
35) Methylcyclohexane	6.764	83	10545	2.334	ug/L #	77
38) Bromodichloromethane	7.108	83	19740	4.993	ug/L	97
42) Toluene	7.973	91	22709	1.827	ug/L	98
46) Tetrachloroethene	8.555	164	9594	3.595	ug/L	96
49) Dibromochloromethane	8.812	129	7324	2.071	ug/L	99
51) Chlorobenzene	9.443	112	38887788m	4608.569	ug/L	
59) Bromoform	10.295	173	15717	4.559	ug/L	98
64) 1,3-Dichlorobenzene	11.748	146	22366158m	2761.404	ug/L	
65) 1,4-Dichlorobenzene	11.838	146	36348222m	4332.590	ug/L	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040922\
 Data File : VU047888.D
 Acq On : 08 Apr 2022 23:33
 Operator : SY/MD
 Sample : N2343-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J71

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 09 02:09:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 09 01:58:44 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.214	146	38694961m	4774.579	ug/L	
69) 1,3,5-Trichlorobenzene	13.224	180	16480	2.505	ug/L #	66
70) 1,2,4-trichlorobenzene	13.844	180	19720044m	3422.601	ug/L	
72) 1,2,3-Trichlorobenzene	14.340	180	10279173	1779.637	ug/L	99

04/14/2022
 Supervised By :Mahesh
 Dadoda

(#) = qualifier out of range (m) = manual integration (+) = signals summed 04/14/2022

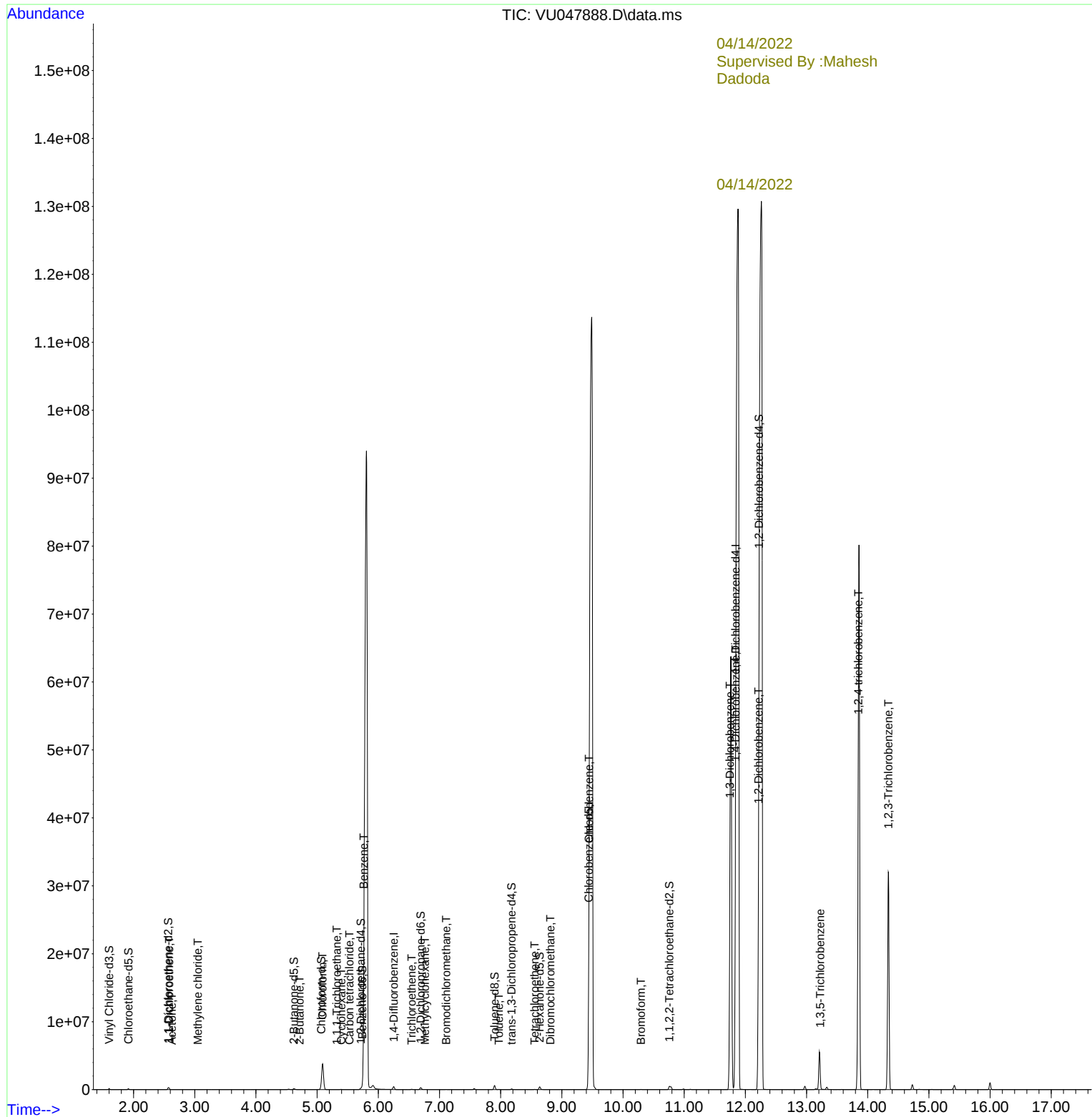
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040922\
Data File : VU047888.D
Acq On : 08 Apr 2022 23:33
Operator : SY/MD
Sample : N2343-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

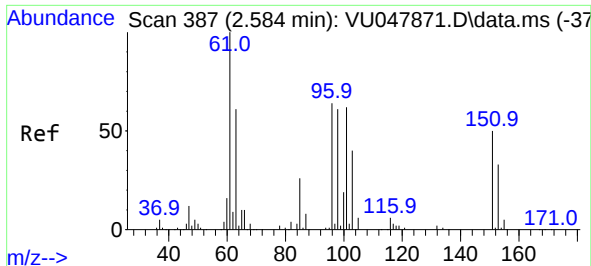
Instrument :
MSVOA_U
ClientSampleId :
C0J71

Manual Integrations
APPROVED

Reviewed By :John
Carlone

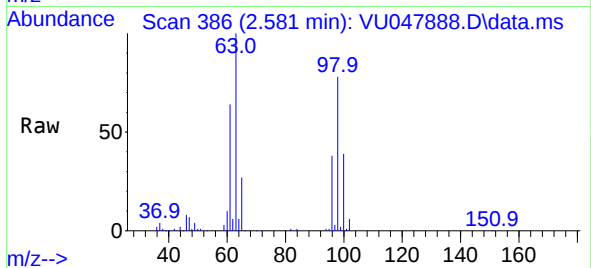
Quant Time: Apr 09 02:09:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 09 01:58:44 2022
Response via : Initial Calibration





#12
1,1-Dichloroethene
Concen: 14.114 ug/L
RT: 2.581 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

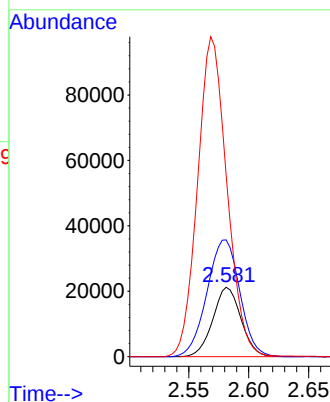
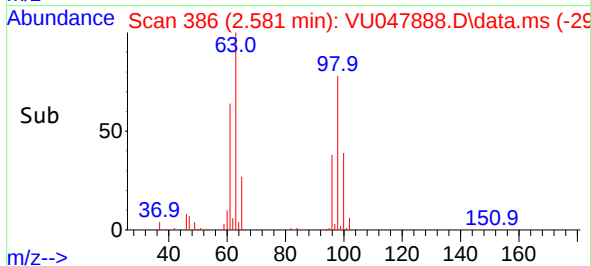
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion: 96 Resp: 3466
Ion Ratio Lower Upper
96 100
61 167.9 113.1 210.1
63 261.4 94.8 176.0

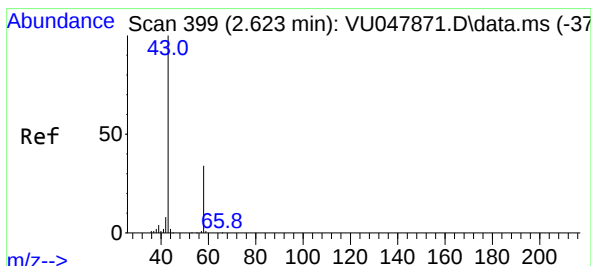
Manual Integrations
APPROVED

Reviewed By :John
Carlone



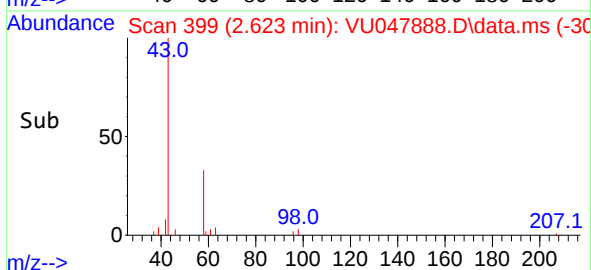
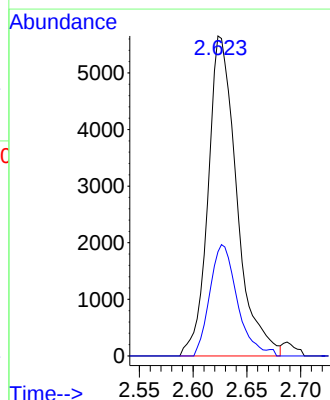
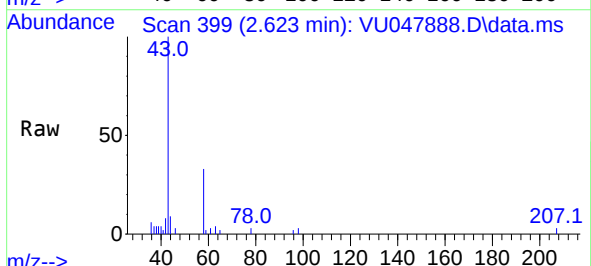
04/14/2022
Supervised By :Mahesh
Dadoda

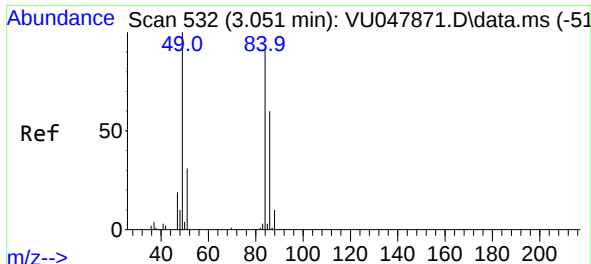
04/14/2022



#13
Acetone
Concen: 5.057 ug/L
RT: 2.623 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

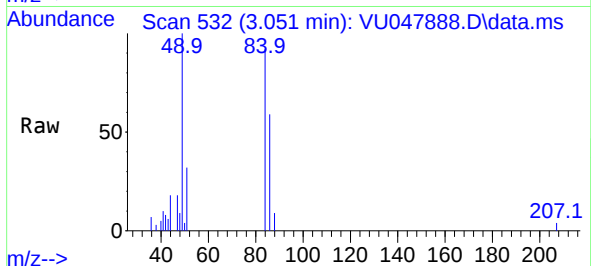
Tgt Ion: 43 Resp: 10488
Ion Ratio Lower Upper
43 100
58 33.0 0.0 70.0





#16
Methylene chloride
Concen: 2.005 ug/L
RT: 3.051 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

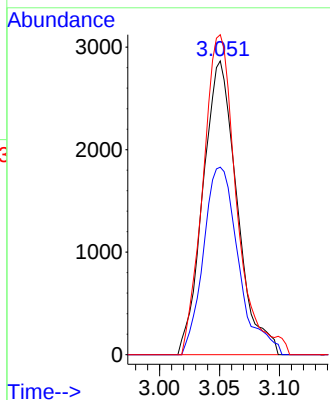
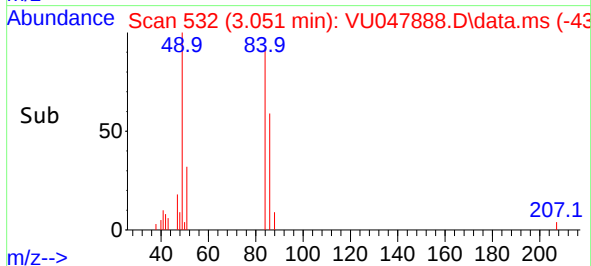
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion: 84 Resp: 5650
Ion Ratio Lower Upper
84 100
86 63.9 46.0 85.4
49 108.9 75.3 139.8

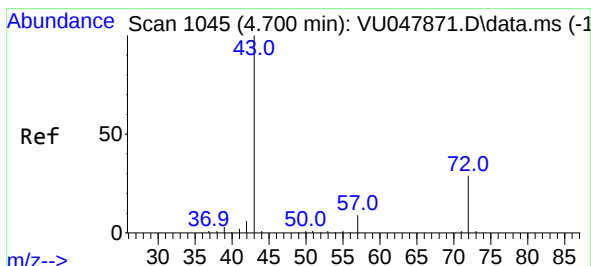
Manual Integrations
APPROVED

Reviewed By :John
Carlone

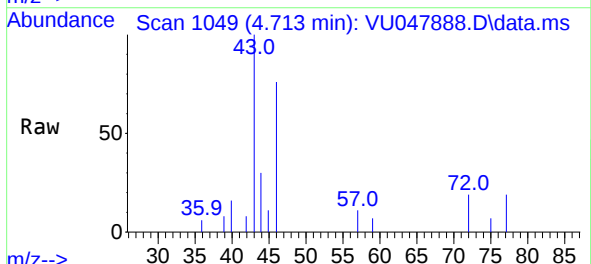


04/14/2022
Supervised By :Mahesh
Dadoda

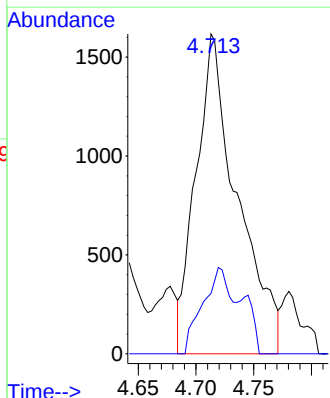
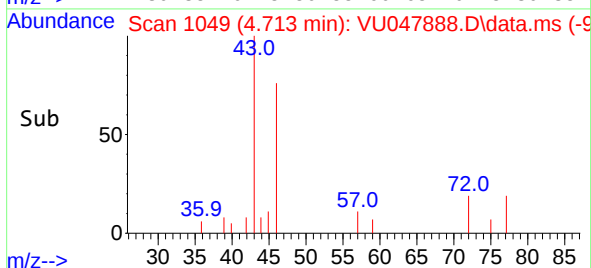
04/14/2022

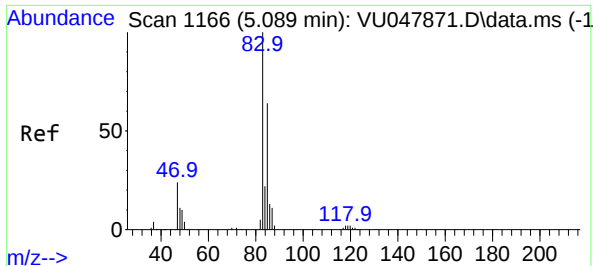


#22
2-Butanone
Concen: 1.509 ug/L m
RT: 4.713 min Scan# 1049
Delta R.T. 0.013 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33



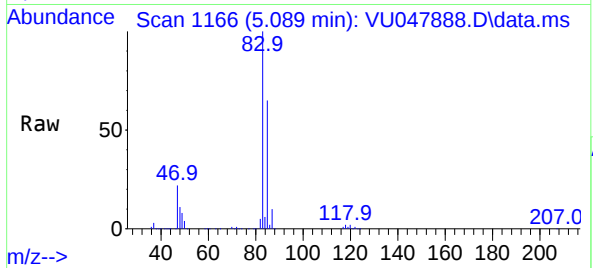
Tgt Ion: 43 Resp: 4032
Ion Ratio Lower Upper
43 100
72 18.9 16.0 47.9





#25
Chloroform
Concen: 678.912 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

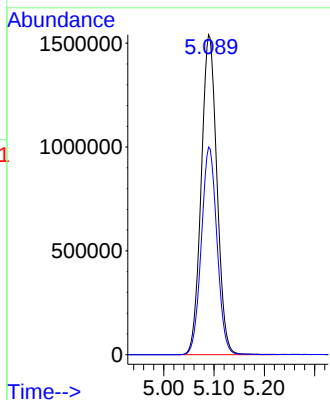
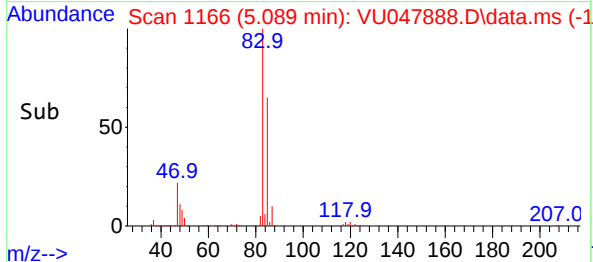
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion: 83 Resp: 333926
Ion Ratio Lower Upper
83 100
85 64.9 46.2 85.8

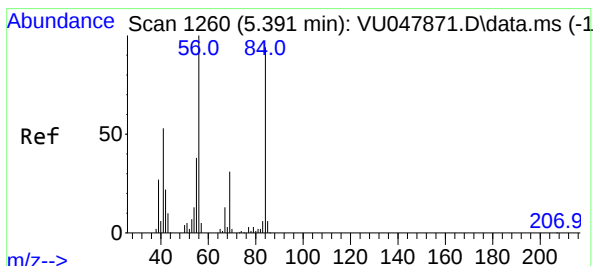
Manual Integrations
APPROVED

Reviewed By :John
Carlone

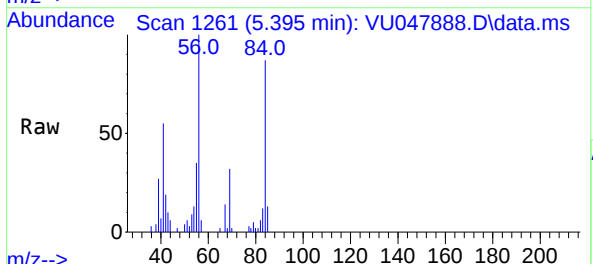


04/14/2022
Supervised By :Mahesh
Dadoda

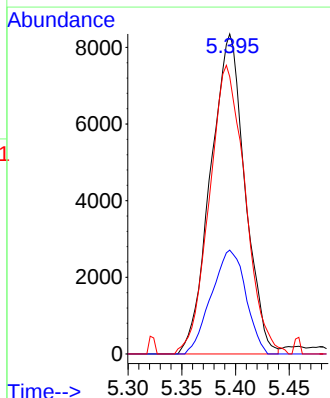
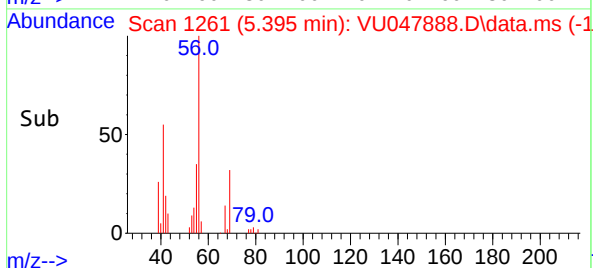
04/14/2022

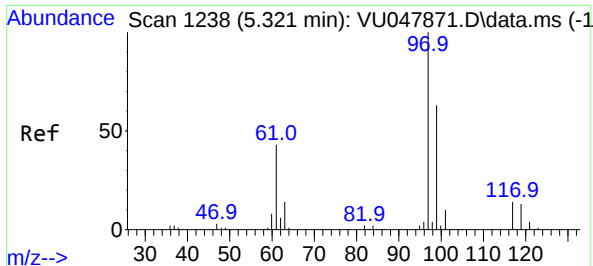


#29
Cyclohexane
Concen: 4.665 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33



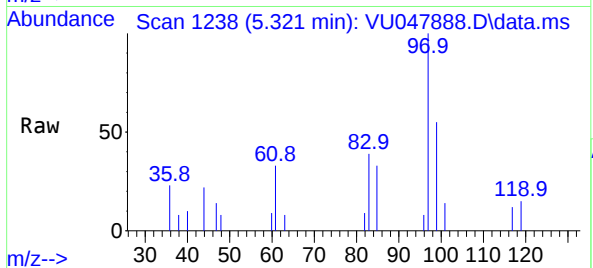
Tgt Ion: 56 Resp: 18524
Ion Ratio Lower Upper
56 100
69 32.5 25.4 38.2
84 94.0 77.0 115.6





#30
1,1,1-Trichloroethane
Concen: 0.640 ug/L
RT: 5.321 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

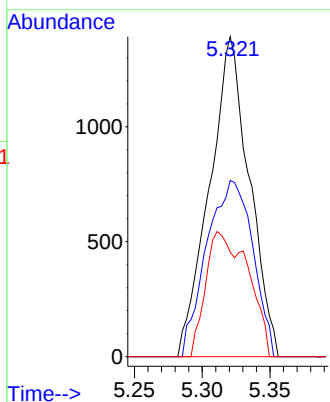
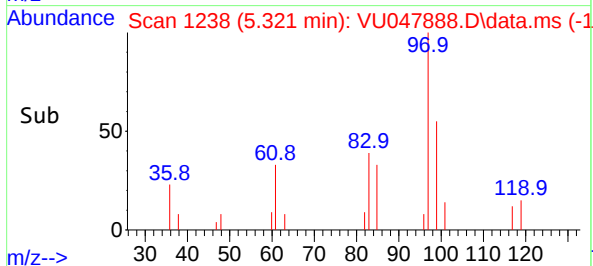
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion: 97 Resp: 2840
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 26.5 34.2 51.4

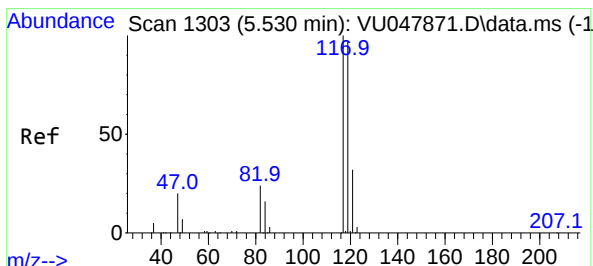
Manual Integrations
APPROVED

Reviewed By :John
Carlone

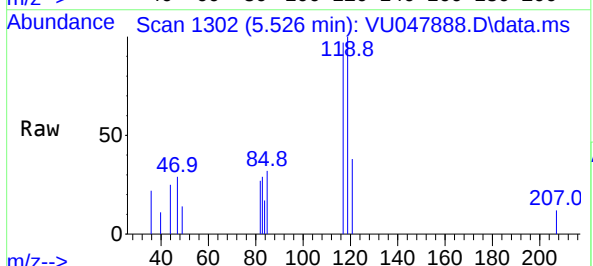


04/14/2022
Supervised By :Mahesh
Dadoda

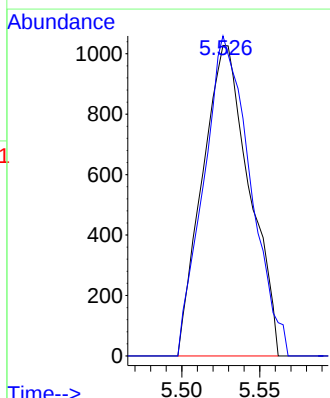
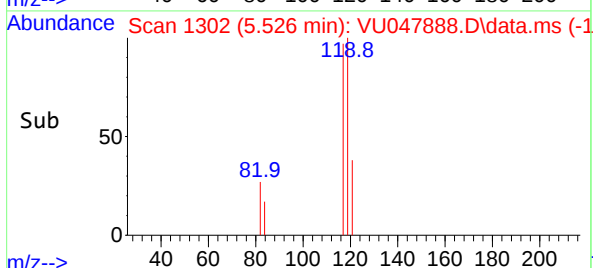
04/14/2022

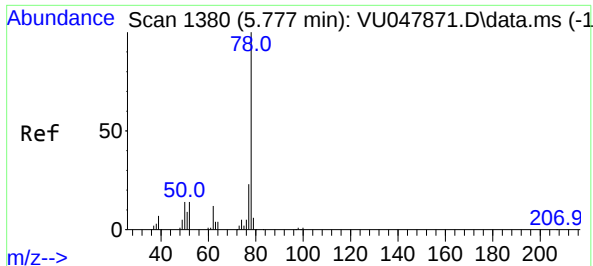


#31
Carbon tetrachloride
Concen: 0.539 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33



Tgt Ion:117 Resp: 2158
Ion Ratio Lower Upper
117 100
119 101.9 77.2 115.8





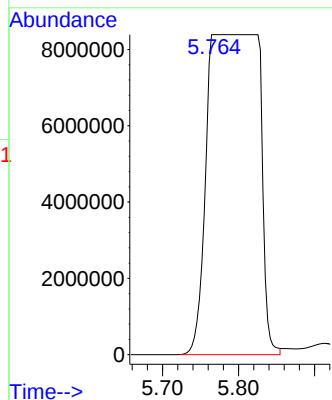
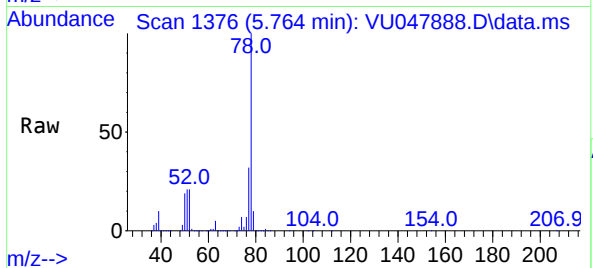
#33
Benzene
Concen: 3517.244 ug/L m
RT: 5.764 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

Instrument :
MSVOA_U
ClientSampleId :
C0J71

Tgt Ion: 78 Resp: 3983689

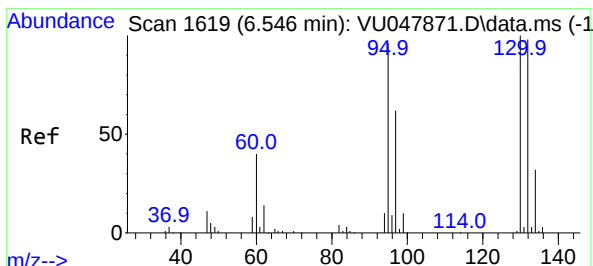
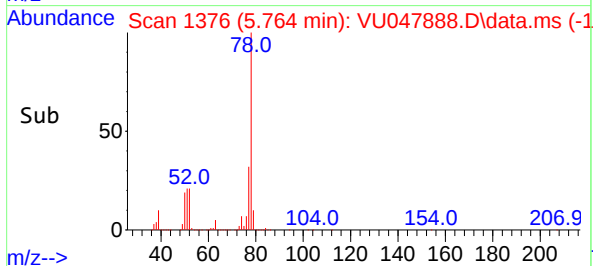
Manual Integrations
APPROVED

Reviewed By :John
Carlone



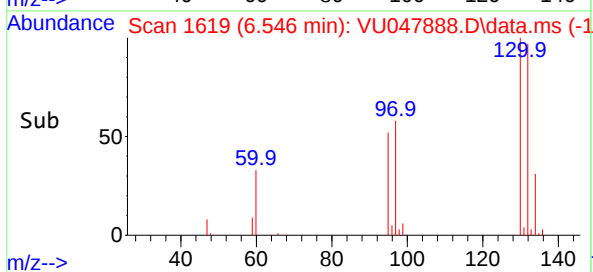
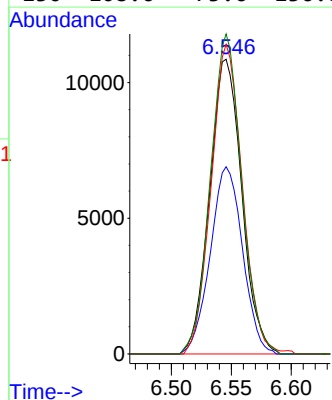
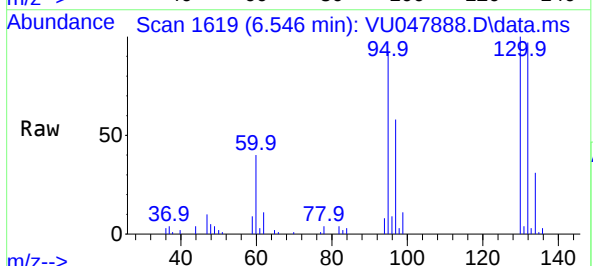
04/14/2022
Supervised By :Mahesh
Dadoda

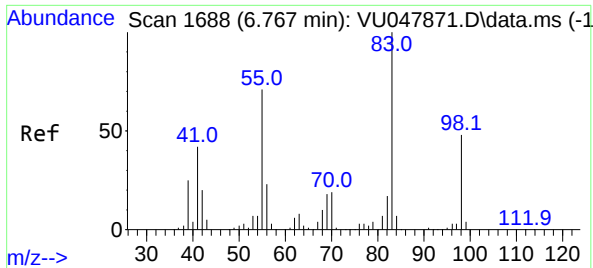
04/14/2022



#34
Trichloroethene
Concen: 6.806 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

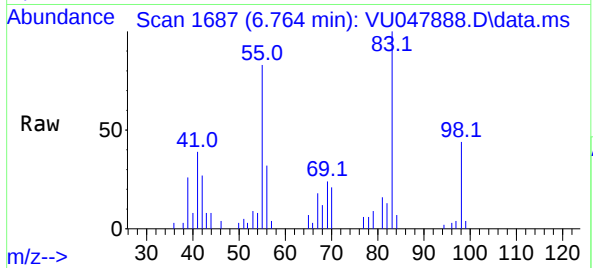
Tgt Ion: 95 Resp: 20209
Ion Ratio Lower Upper
95 100
97 63.5 44.7 82.9
132 105.1 70.4 130.8
130 108.6 73.6 136.8





#35
Methylcyclohexane
Concen: 2.334 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. -0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

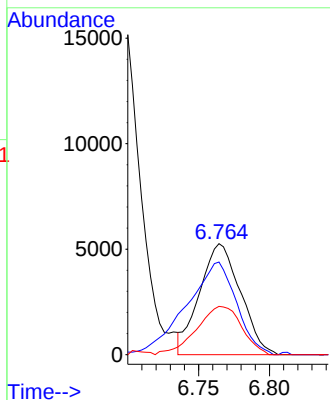
Instrument : MSVOA_U
ClientSampleId : C0J71



Tgt Ion: 83 Resp: 10549
Ion Ratio Lower Upper
83 100
55 102.6 56.8 85.2
98 48.0 38.1 57.1

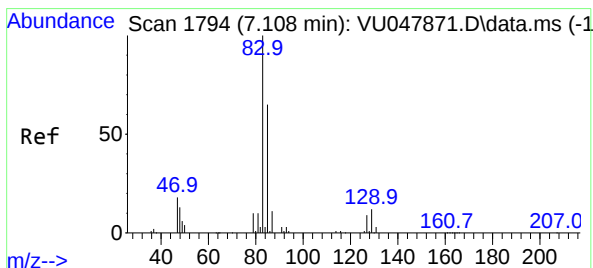
Manual Integrations
APPROVED

Reviewed By :John
Carlone



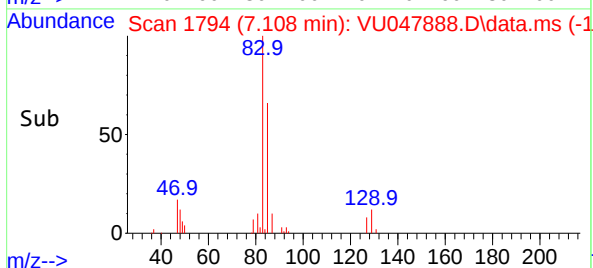
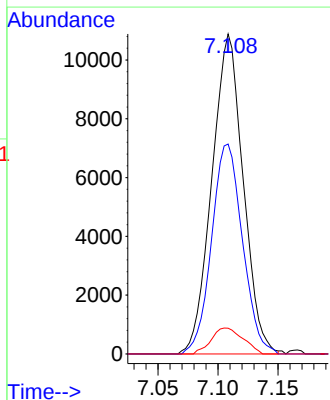
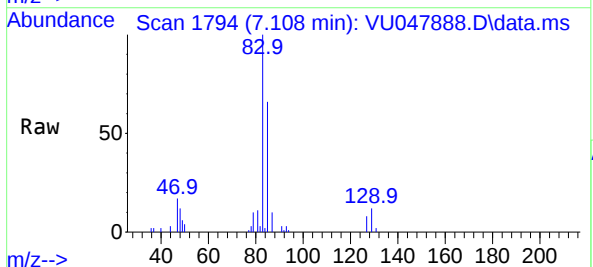
04/14/2022
Supervised By :Mahesh
Dadoda

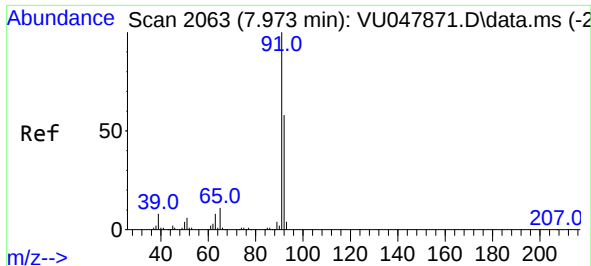
04/14/2022



#38
Bromodichloromethane
Concen: 4.993 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

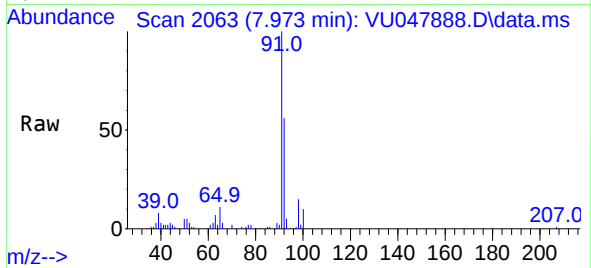
Tgt Ion: 83 Resp: 19740
Ion Ratio Lower Upper
83 100
85 65.6 44.4 82.4
127 8.1 7.2 10.8





#42
Toluene
Concen: 1.827 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

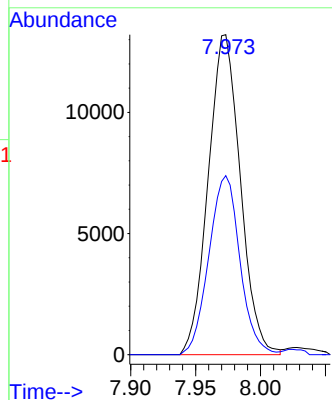
Instrument :
MSVOA_U
Client SampleId :
C0J71



Tgt Ion: 91 Resp: 22709
Ion Ratio Lower Upper
91 100
92 55.9 40.4 75.0

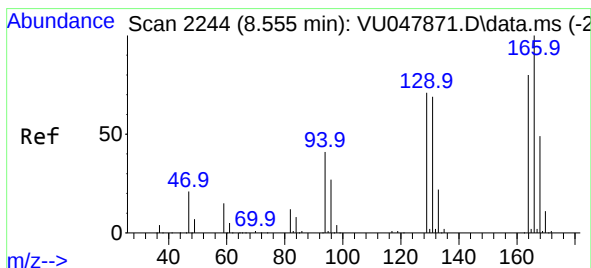
Manual Integrations
APPROVED

Reviewed By :John
Carlone



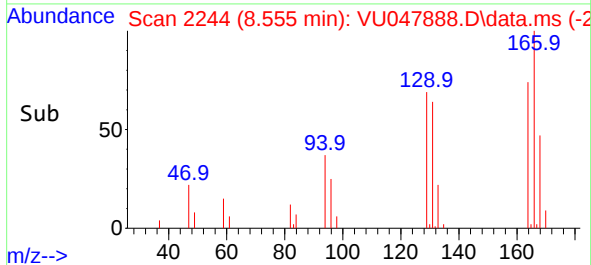
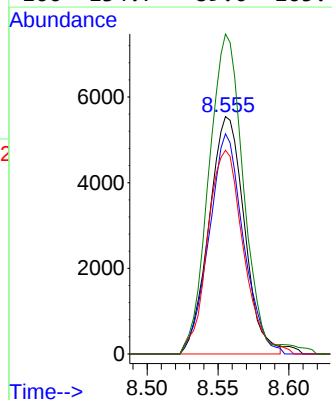
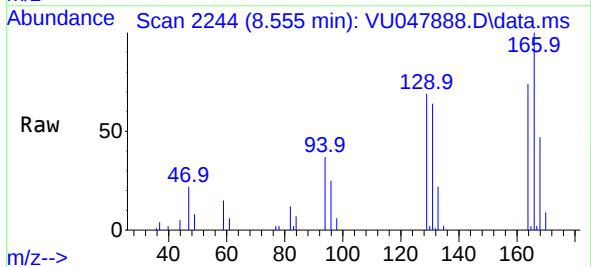
04/14/2022
Supervised By :Mahesh
Dadoda

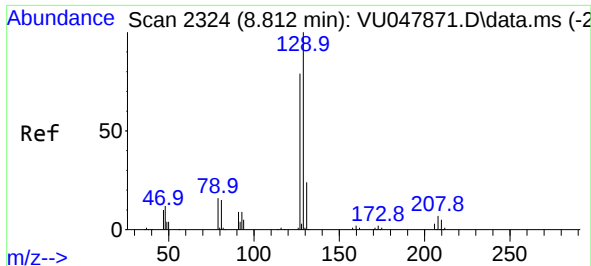
04/14/2022



#46
Tetrachloroethene
Concen: 3.595 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

Tgt Ion:164 Resp: 9594
Ion Ratio Lower Upper
164 100
129 92.7 62.4 116.0
131 85.8 60.7 112.7
166 134.7 89.0 165.4





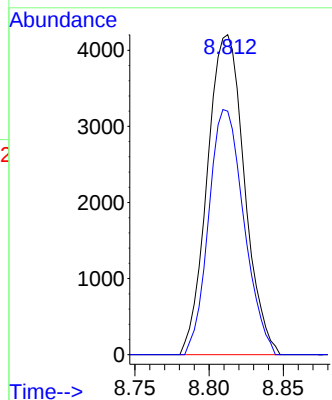
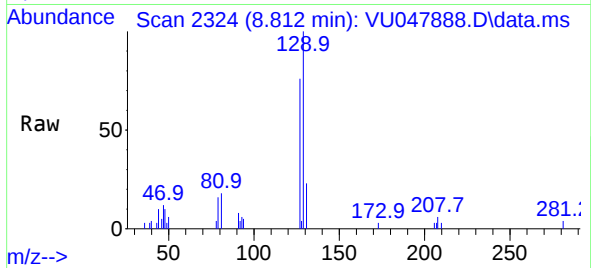
#49
Dibromochloromethane
Concen: 2.071 ug/L
RT: 8.812 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

Instrument :
MSVOA_U
ClientSampleId :
C0J71

Tgt Ion:129 Resp: 7324
Ion Ratio Lower Upper
129 100
127 76.1 54.2 100.6

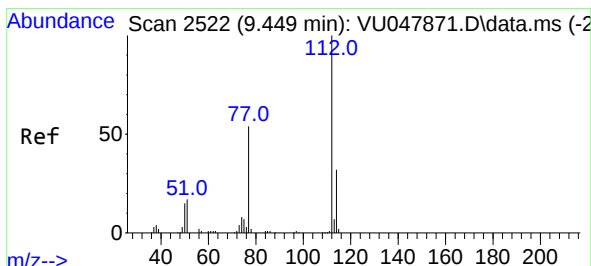
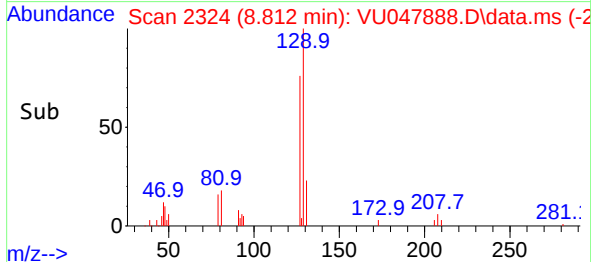
Manual Integrations
APPROVED

Reviewed By :John
Carlone



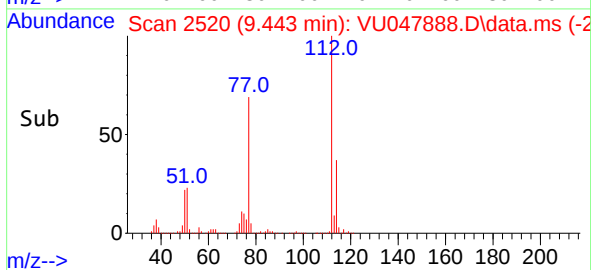
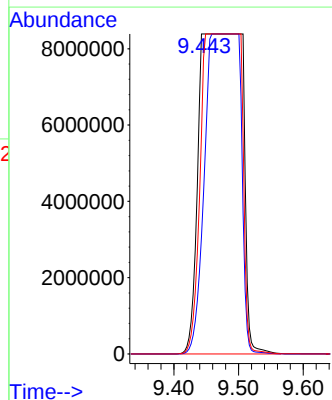
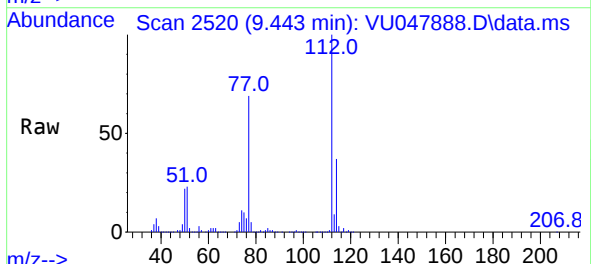
04/14/2022
Supervised By :Mahesh
Dadoda

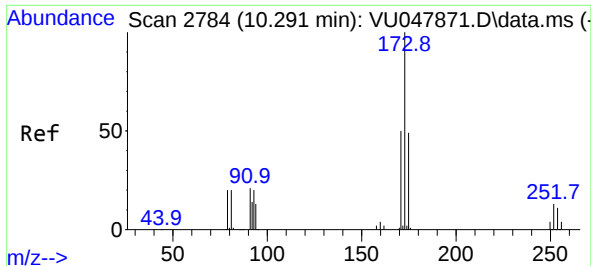
04/14/2022



#51
Chlorobenzene
Concen: 4608.569 ug/L m
RT: 9.443 min Scan# 2520
Delta R.T. -0.006 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

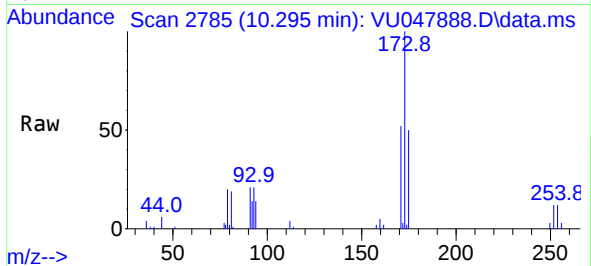
Tgt Ion:112 Resp:38887788
Ion Ratio Lower Upper
112 100
114 36.7 22.1 41.1
77 68.6 43.4 65.0#





#59
Bromoform
Concen: 4.559 ug/L
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

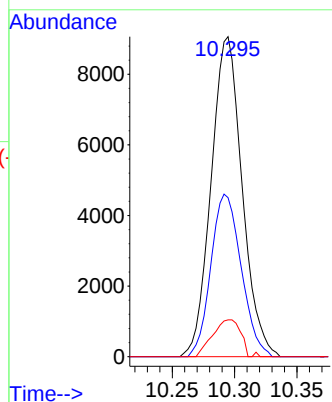
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion:173 Resp: 1571
Ion Ratio Lower Upper
173 100
175 49.6 38.7 58.1
254 10.3 9.6 14.4

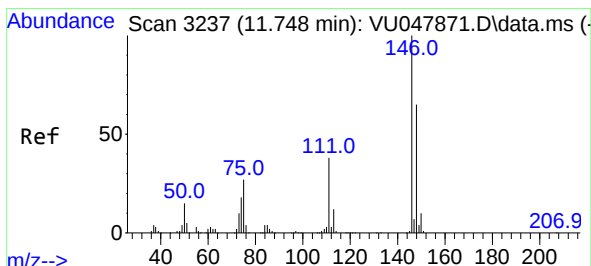
Manual Integrations
APPROVED

Reviewed By :John
Carlone

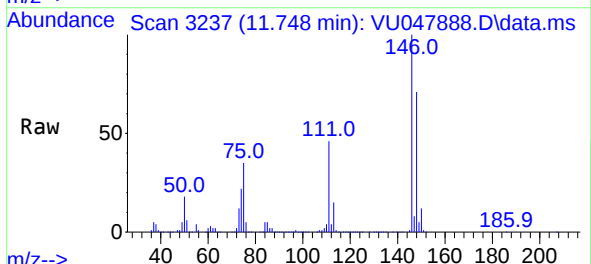


04/14/2022
Supervised By :Mahesh
Dadoda

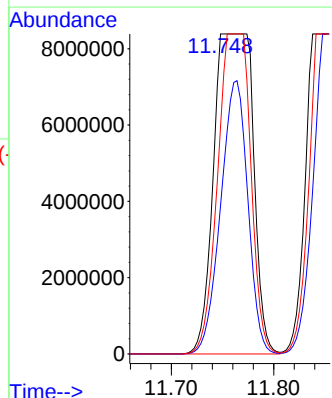
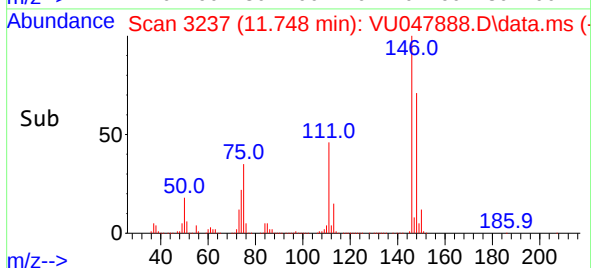
04/14/2022

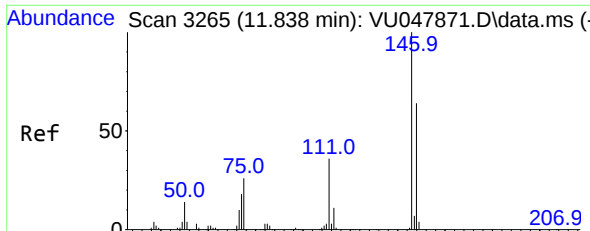


#64
1,3-Dichlorobenzene
Concen: 2761.404 ug/L m
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33



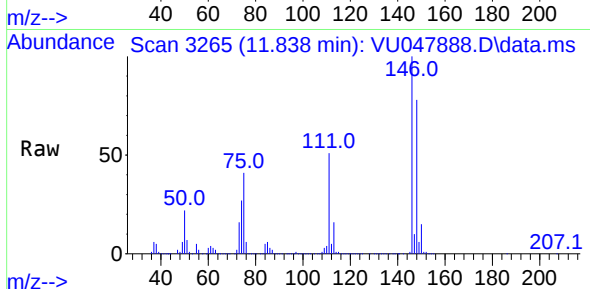
Tgt Ion:146 Resp:22366158
Ion Ratio Lower Upper
146 100
111 46.3 26.7 49.7
148 70.9 44.4 82.5





#65
1,4-Dichlorobenzene
Concen: 4332.590 ug/L m
RT: 11.838 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

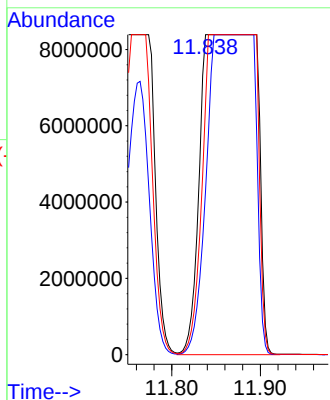
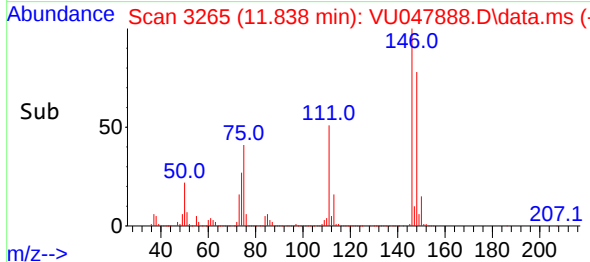
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion:146 Resp:3634822
Ion Ratio Lower Upper
146 100
111 51.3 25.3 47.1
148 78.4 44.5 82.7

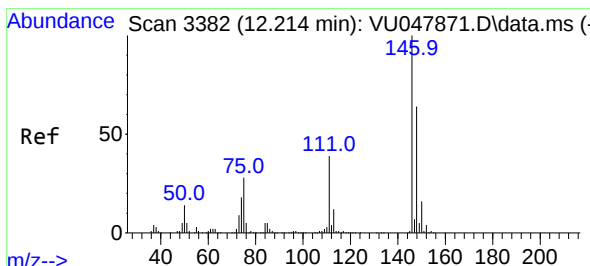
Manual Integrations
APPROVED

Reviewed By :John
Carlone



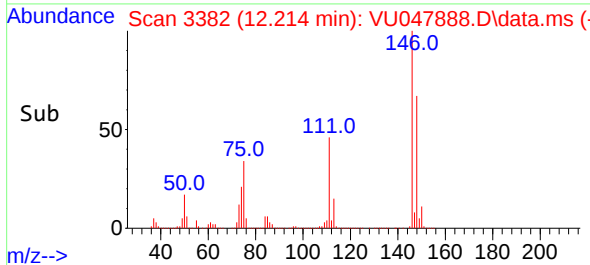
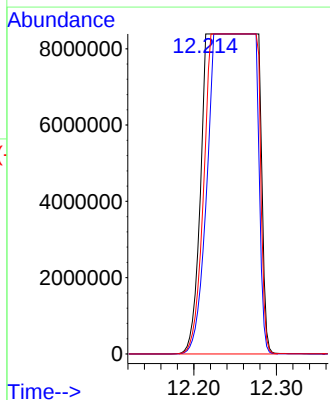
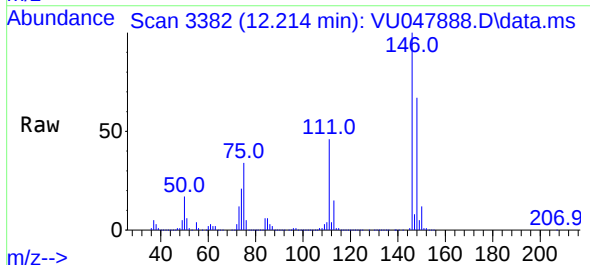
04/14/2022
Supervised By :Mahesh
Dadoda

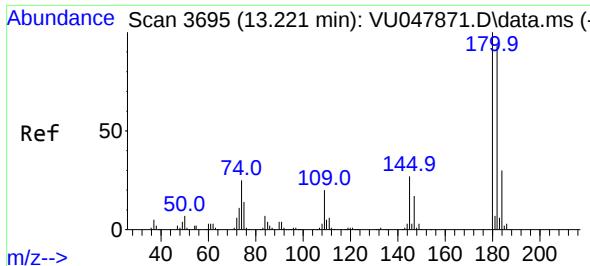
04/14/2022



#67
1,2-Dichlorobenzene
Concen: 4774.579 ug/L m
RT: 12.214 min Scan# 3382
Delta R.T. 0.000 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

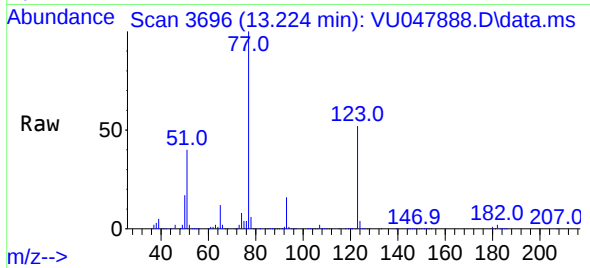
Tgt Ion:146 Resp:38694961
Ion Ratio Lower Upper
146 100
111 45.9 31.7 47.5
148 66.7 51.4 77.2





#69
1,3,5-Trichlorobenzene
Concen: 2.505 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. 0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

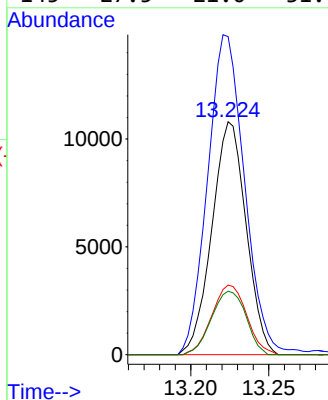
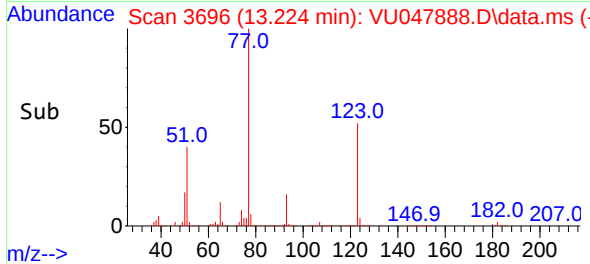
Instrument :
MSVOA_U
ClientSampleId :
C0J71



Tgt Ion:180 Resp: 16480
Ion Ratio Lower Upper
180 100
182 148.4 77.0 115.6
184 30.5 24.5 36.7
145 27.5 21.0 31.6

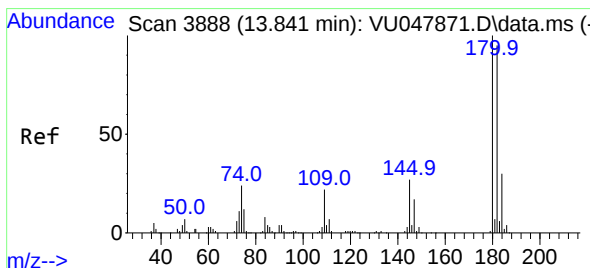
Manual Integrations
APPROVED

Reviewed By :John
Carlone

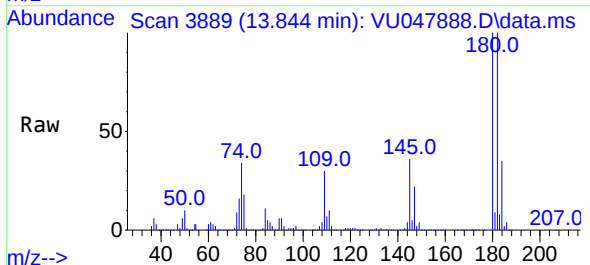


04/14/2022
Supervised By :Mahesh
Dadoda

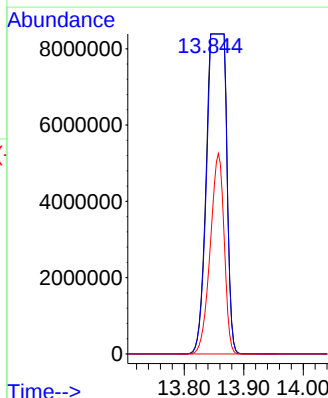
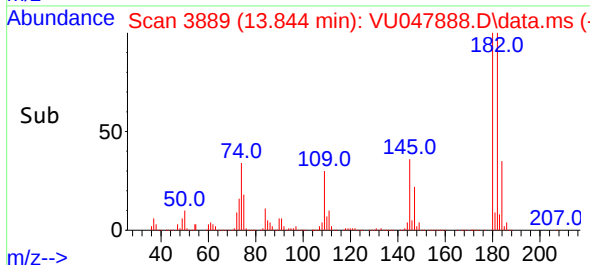
04/14/2022

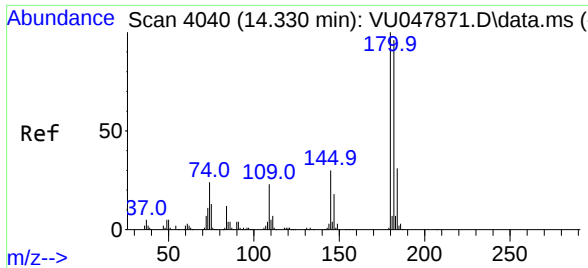


#70
1,2,4-trichlorobenzene
Concen: 3422.601 ug/L m
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33



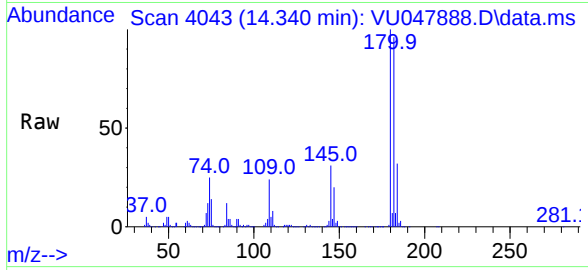
Tgt Ion:180 Resp:19720044
Ion Ratio Lower Upper
180 100
182 0.0 76.2 114.2#
145 0.0 21.8 32.8#





#72
1,2,3-Trichlorobenzene
Concen: 1779.637 ug/L
RT: 14.340 min Scan# 4043
Delta R.T. 0.010 min
Lab File: VU047888.D
Acq: 08 Apr 2022 23:33

Instrument :
MSVOA_U
ClientSampleId :
C0J71

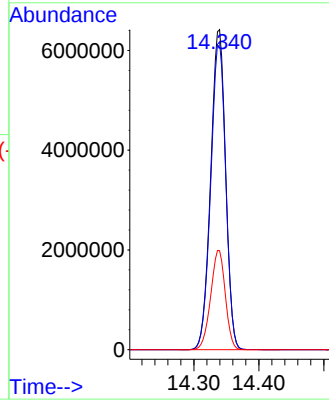
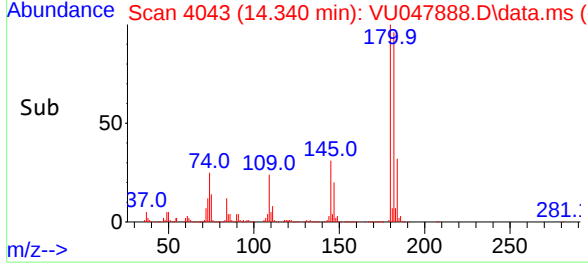


Tgt Ion:180 Resp:1027917

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.0
145	30.4	22.8	34.2

Manual Integrations
APPROVED

Reviewed By :John
Carlone



04/14/2022
Supervised By :Mahesh
Dadoda

04/14/2022