

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041823\
 Data File : VX035150.D
 Acq On : 19 Apr 2023 02:06
 Operator : JC/MD
 Sample : 02397-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMM6

Manual Integrations
 APPROVED

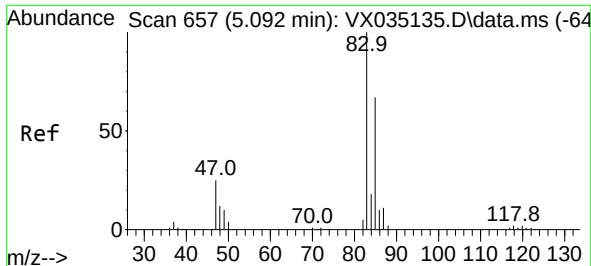
Reviewed By : John Carlone 04/19/2023
 Supervised By : Mahesh Dadoda 04/19/2023

Quant Time: Apr 19 02:48:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 19 01:27:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	513653	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	451163	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	226647	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	168534	50.886	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.780%			
7) Chloroethane-d5	1.672	69	126262	52.758	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.520%			
11) 1,1-Dichloroethene-d2	2.306	65	82828	52.266	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.540%			
21) 2-Butanone-d5	4.458	46	230216	104.306	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.310%			
24) Chloroform-d	5.056	84	325915	52.253	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.500%			
26) 1,2-Dichloroethane-d4	5.958	65	216594	54.076	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.160%			
32) Benzene-d6	5.976	84	703036	54.246	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.500%			
36) 1,2-Dichloropropane-d6	7.305	67	211317	53.378	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.760%			
41) Toluene-d8	8.647	98	640015	54.034	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.060%			
43) trans-1,3-Dichloroprop...	8.951	79	86202	49.825	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.660%			
47) 2-Hexanone-d5	9.384	63	169391	106.550	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 106.550%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	251575	51.889	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 103.780%			
66) 1,2-Dichlorobenzene-d4	12.323	152	228439	52.011	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.020%			
Target Compounds					Qvalue	
25) Chloroform	5.092	83	15060	2.438	ug/L	92
29) Cyclohexane	5.476	56	6140	1.126	ug/L	# 90
31) Carbon tetrachloride	5.678	117	30195	6.730	ug/L	95
33) Benzene	6.043	78	14690037	1075.178	ug/L	100
46) Tetrachloroethene	9.275	164	2142	0.791	ug/L	84
51) Chlorobenzene	10.092	112	18651101m	1997.130	ug/L	
64) 1,3-Dichlorobenzene	11.969	146	1307906	186.079	ug/L	98
65) 1,4-Dichlorobenzene	12.049	146	12637990	1757.152	ug/L	# 77
67) 1,2-Dichlorobenzene	12.341	146	9910427	1390.574	ug/L	# 83
70) 1,2,4-trichlorobenzene	13.591	180	5500515	1351.887	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	1572412	391.466	ug/L	99

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



#25

Chloroform

Concen: 2.438 ug/L

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX035150.D

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Instrument :

MSVOA_X

ClientSampleId :

COMM6

Tgt Ion: 83 Resp: 1506

Ion Ratio Lower Upper

83 100

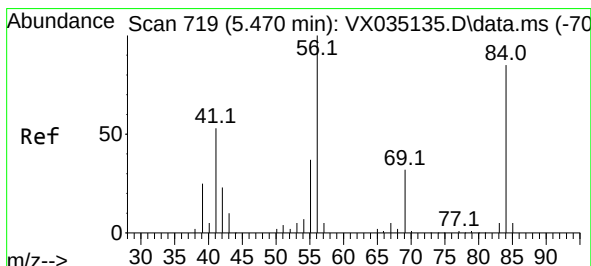
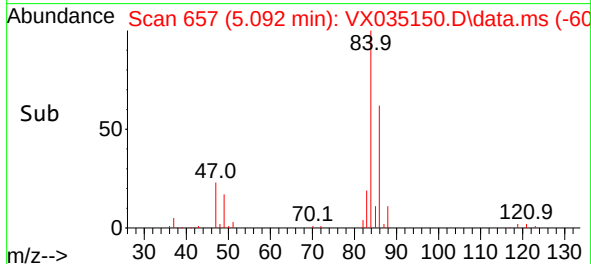
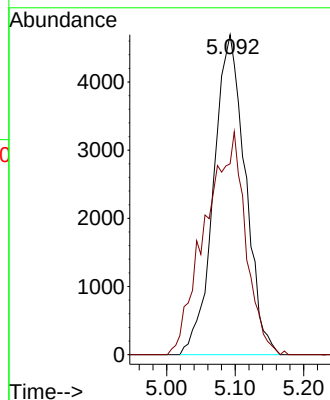
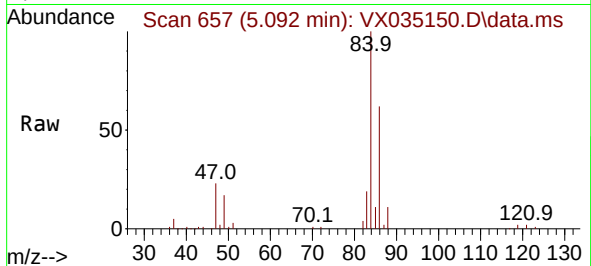
85 59.6 46.0 85.4

Manual Integrations

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Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/19/2023



#29

Cyclohexane

Concen: 1.126 ug/L

RT: 5.476 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX035150.D

Acq: 19 Apr 2023 02:06

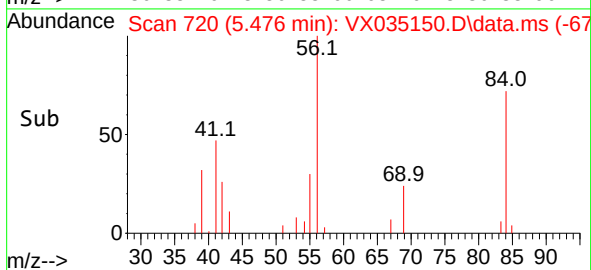
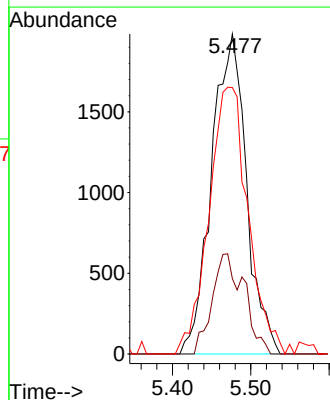
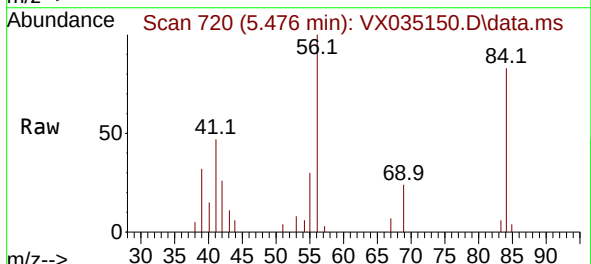
Tgt Ion: 56 Resp: 6140

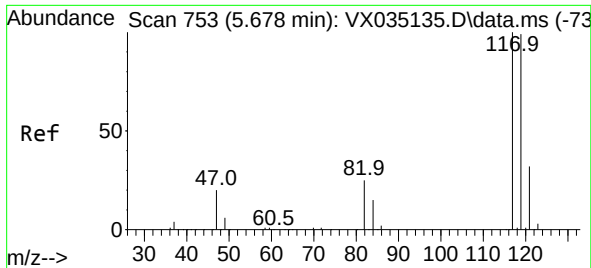
Ion Ratio Lower Upper

56 100

69 20.6 25.1 37.7#

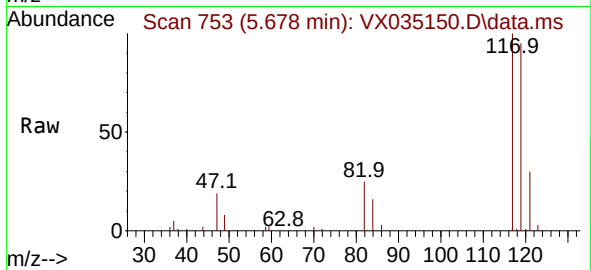
84 93.2 70.1 105.1





#31
Carbon tetrachloride
Concen: 6.730 ug/L
RT: 5.678 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

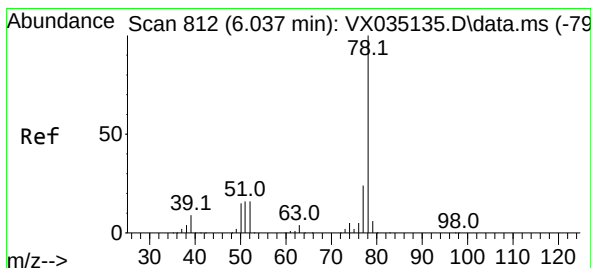
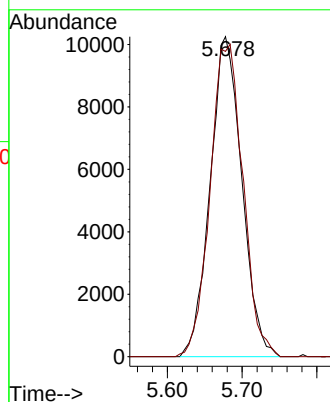
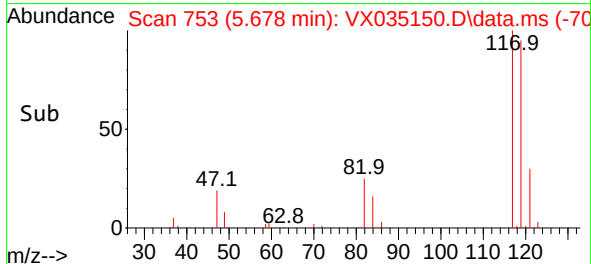
Instrument :
MSVOA_X
ClientSampleId :
COMM6



Tgt Ion:117 Resp: 3019
Ion Ratio Lower Upper
117 100
119 101.2 77.1 115.7

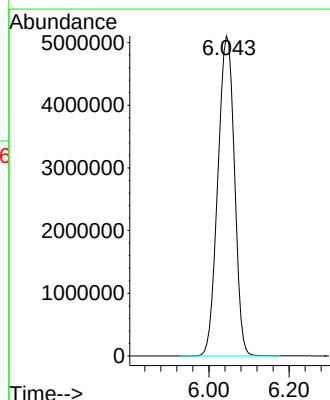
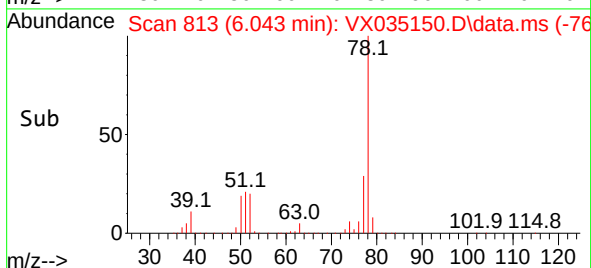
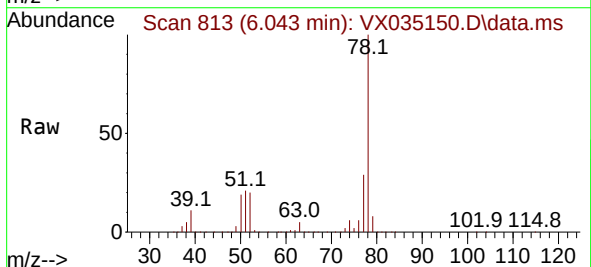
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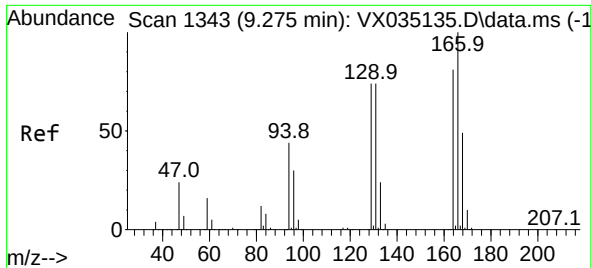
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/19/2023



#33
Benzene
Concen: 1075.178 ug/L
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

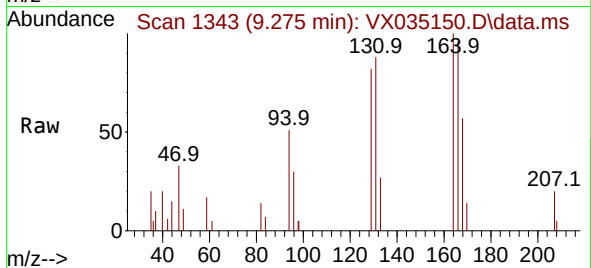
Tgt Ion: 78 Resp:14690037





#46
Tetrachloroethene
Concen: 0.791 ug/L
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

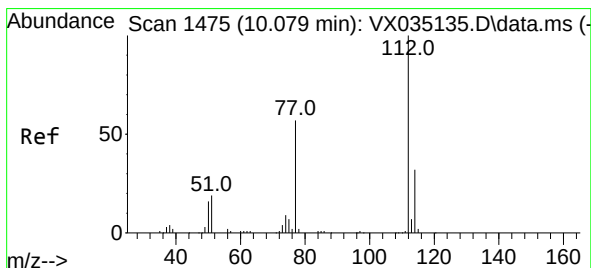
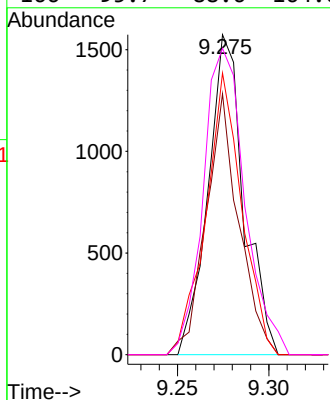
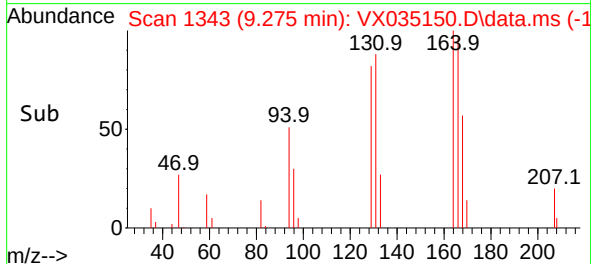
Instrument :
MSVOA_X
ClientSampleId :
COMM6



Tgt Ion:164 Resp: 214
Ion Ratio Lower Upper
164 100
129 81.5 66.1 122.8
131 88.0 65.0 120.8
166 95.7 88.6 164.6

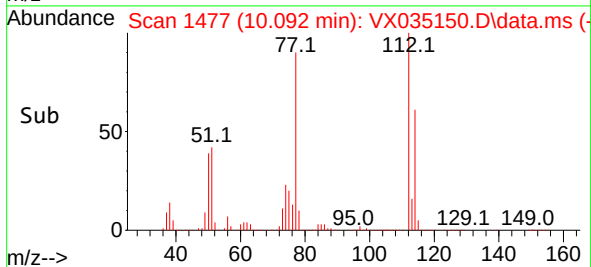
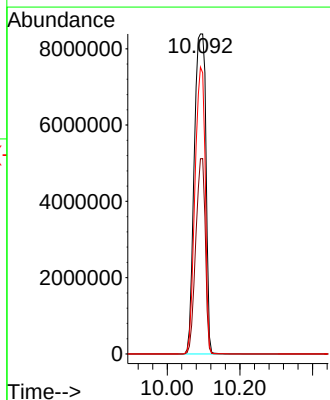
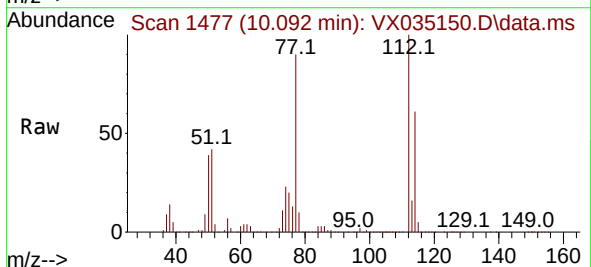
Manual Integrations
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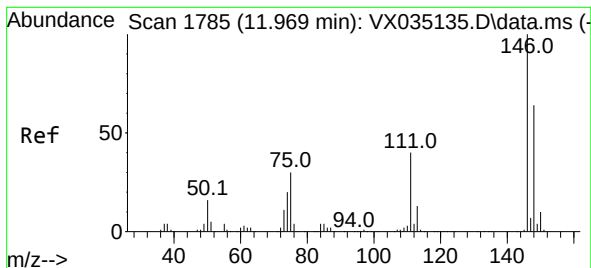
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/19/2023



#51
Chlorobenzene
Concen: 1997.130 ug/L m
RT: 10.092 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

Tgt Ion:112 Resp:18651101
Ion Ratio Lower Upper
112 100
114 61.0 22.4 41.6#
77 89.6 47.0 70.6#





#64

1,3-Dichlorobenzene

Concen: 186.079 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035150.D

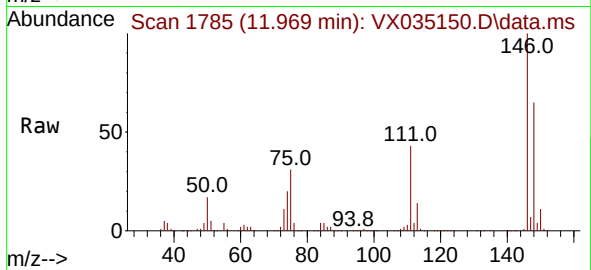
Acq: 19 Apr 2023 02:06

Instrument :

MSVOA_X

ClientSampleId :

COMM6



Tgt Ion:146 Resp: 1307900

Ion Ratio Lower Upper

146 100

111 42.9 28.9 53.7

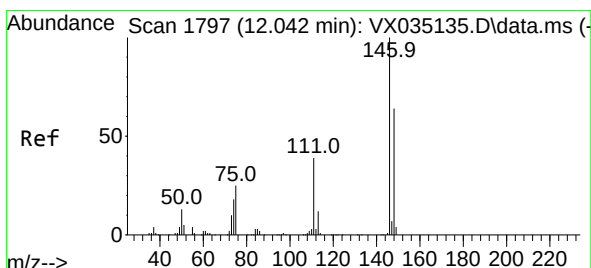
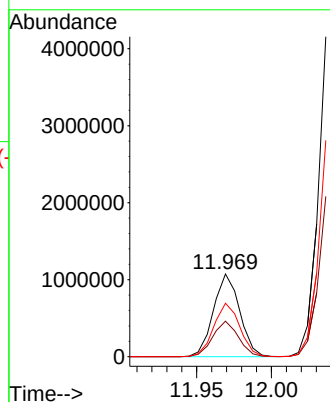
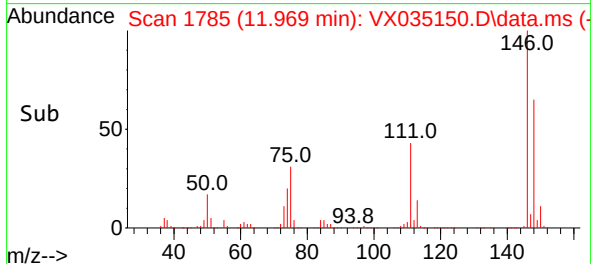
148 64.5 44.3 82.3

Manual Integrations

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Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/19/2023



#65

1,4-Dichlorobenzene

Concen: 1757.152 ug/L

RT: 12.049 min Scan# 1798

Delta R.T. 0.006 min

Lab File: VX035150.D

Acq: 19 Apr 2023 02:06

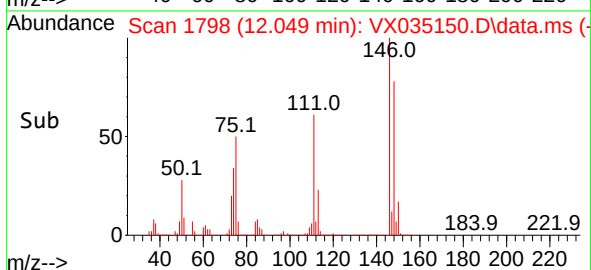
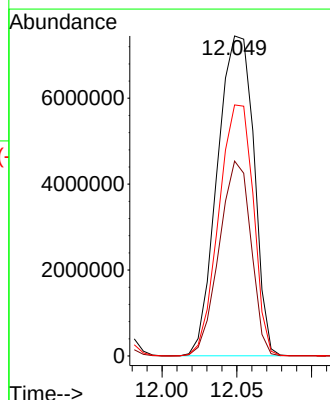
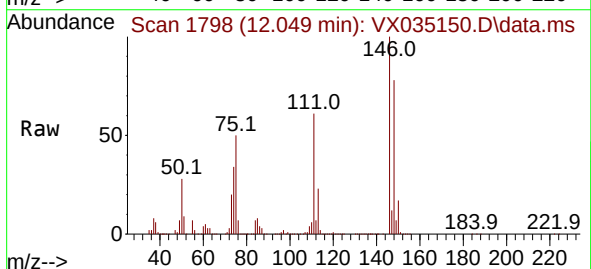
Tgt Ion:146 Resp:12637990

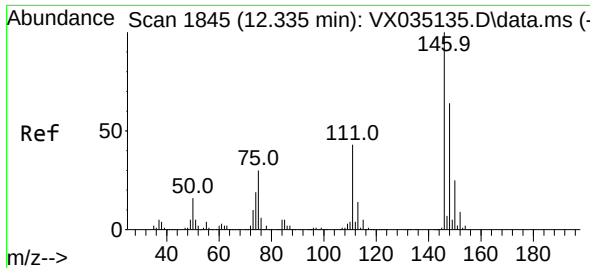
Ion Ratio Lower Upper

146 100

111 60.9 27.9 51.7#

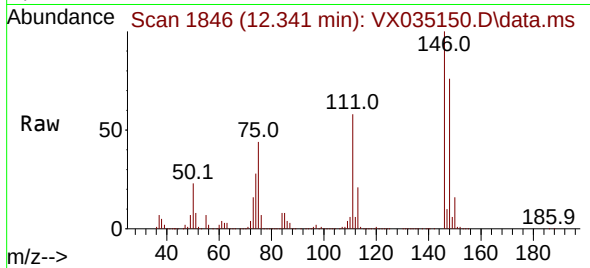
148 78.5 45.9 85.3





#67
1,2-Dichlorobenzene
Concen: 1390.574 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

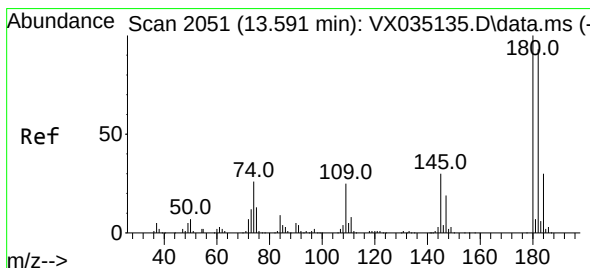
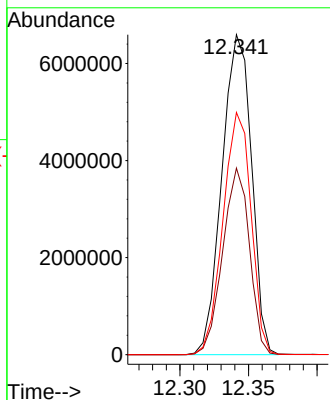
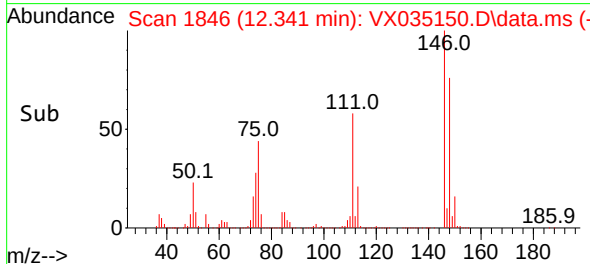
Instrument :
MSVOA_X
ClientSampleId :
COMM6



Tgt Ion:146 Resp: 991042
Ion Ratio Lower Upper
146 100
111 58.3 34.7 52.1
148 75.7 52.1 78.1

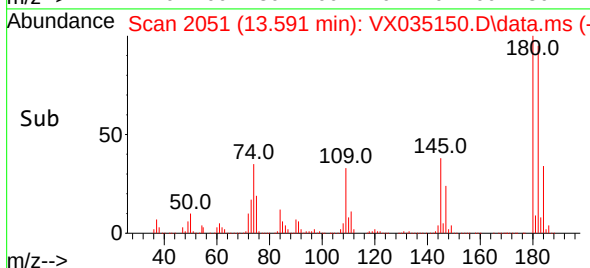
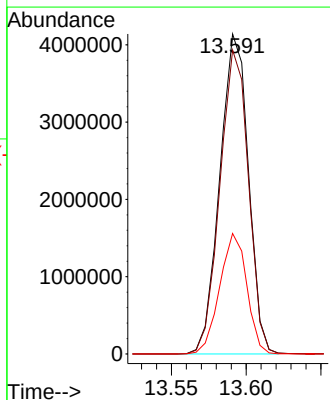
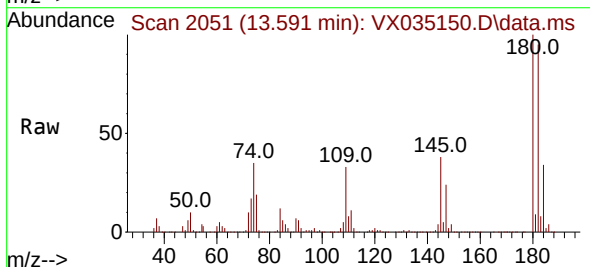
Manual Integrations
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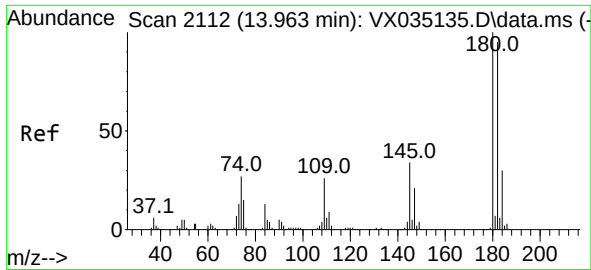
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/19/2023



#70
1,2,4-trichlorobenzene
Concen: 1351.887 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX035150.D
Acq: 19 Apr 2023 02:06

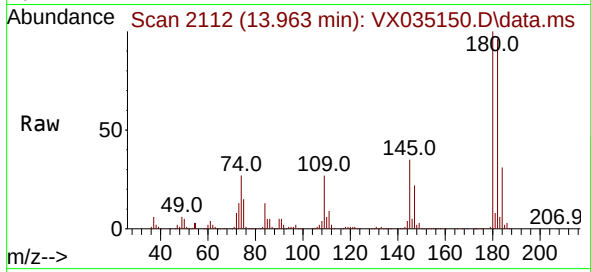
Tgt Ion:180 Resp: 5500515
Ion Ratio Lower Upper
180 100
182 94.8 76.6 114.8
145 35.7 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 391.466 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. -0.000 min
 Lab File: VX035150.D
 Acq: 19 Apr 2023 02:06

Instrument :
 MSVOA_X
 ClientSampleId :
 COMM6



Tgt Ion:180 Resp: 1572412

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.0	112.6
145	34.6	27.1	40.7

Manual Integrations
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 Supervised By :Mahesh Dadoda 04/19/2023

