

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035199.D
 Acq On : 20 Apr 2023 03:02
 Operator : JC/MD
 Sample : 02378-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMLO

Manual Integrations
 APPROVED

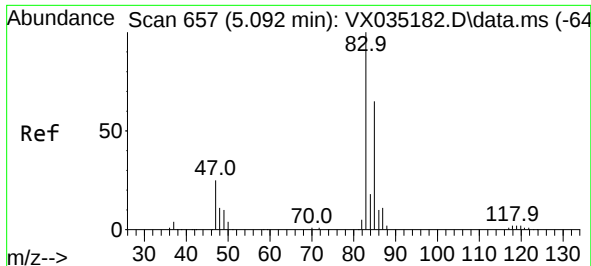
Reviewed By : John Carlone 04/20/2023
 Supervised By : Mahesh Dadoda 04/21/2023

Quant Time: Apr 20 05:11:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 04:51:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	474026	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.067	117	399901	50.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	12.030	152	206455	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	116640	38.161	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.320%		
7) Chloroethane-d5	1.672	69	92051	41.678	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	83.360%		
11) 1,1-Dichloroethene-d2	2.306	65	60037	41.051	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.100%		
21) 2-Butanone-d5	4.464	46	209466	102.838	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.840%		
24) Chloroform-d	5.056	84	277039	48.130	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.260%		
26) 1,2-Dichloroethane-d4	5.958	65	178949	48.412	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.820%		
32) Benzene-d6	5.976	84	558919	48.654	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.300%		
36) 1,2-Dichloropropane-d6	7.305	67	171337	48.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.660%		
41) Toluene-d8	8.647	98	495513	47.197	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.400%		
43) trans-1,3-Dichloroprop...	8.951	79	70054	45.682	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.360%		
47) 2-Hexanone-d5	9.390	63	151211	107.307	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.310%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	220203	51.240	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.480%		
66) 1,2-Dichlorobenzene-d4	12.329	152	175989	43.988	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.980%		
Target Compounds						Qvalue
25) Chloroform	5.092	83	261238	45.835	ug/L	97
29) Cyclohexane	5.483	56	12636	2.615	ug/L	98
31) Carbon tetrachloride	5.678	117	99993	25.142	ug/L	99
33) Benzene	6.056	78	24498716	2022.933	ug/L	100
35) Methylcyclohexane	7.379	83	5949	1.371	ug/L #	83
46) Tetrachloroethene	9.275	164	2780	1.158	ug/L	86
51) Chlorobenzene	10.092	112	29142794m	3520.579	ug/L	
64) 1,3-Dichlorobenzene	11.975	146	3757929	586.940	ug/L	95
65) 1,4-Dichlorobenzene	12.055	146	16901954	2579.841	ug/L #	70
67) 1,2-Dichlorobenzene	12.353	146	16369858	2521.570	ug/L #	71
70) 1,2,4-trichlorobenzene	13.597	180	9186688	2478.680	ug/L #	96
72) 1,2,3-Trichlorobenzene	13.963	180	3145536	859.701	ug/L	98

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



#25

Chloroform

Concen: 45.835 ug/L

RT: 5.092 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX035199.D

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Instrument :

MSVOA_X

ClientSampleId :

COMLO

Tgt Ion: 83 Resp: 261238

Ion Ratio Lower Upper

83 100

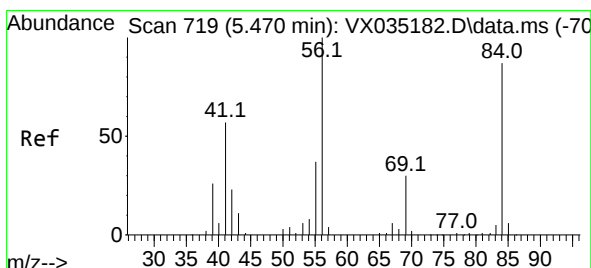
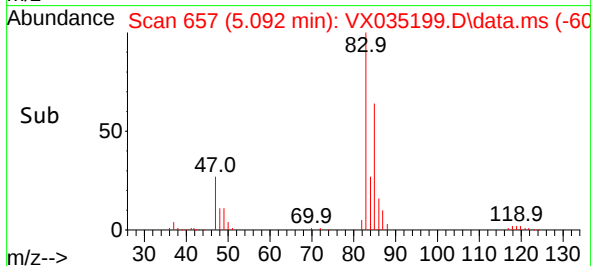
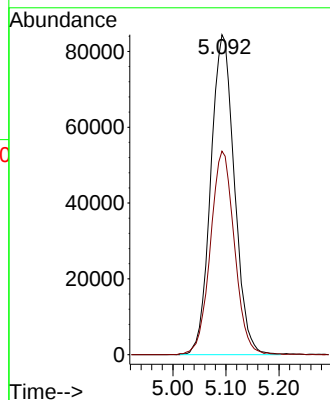
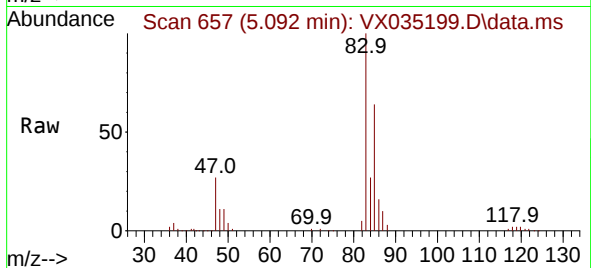
85 63.6 46.0 85.4

Manual Integrations

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Reviewed By :John Carlone 04/20/2023

Supervised By :Mahesh Dadoda 04/21/2023



#29

Cyclohexane

Concen: 2.615 ug/L

RT: 5.483 min Scan# 721

Delta R.T. 0.012 min

Lab File: VX035199.D

Acq: 20 Apr 2023 03:02

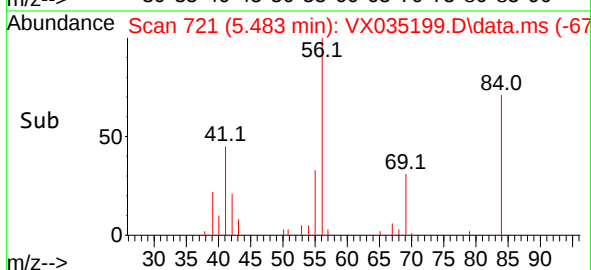
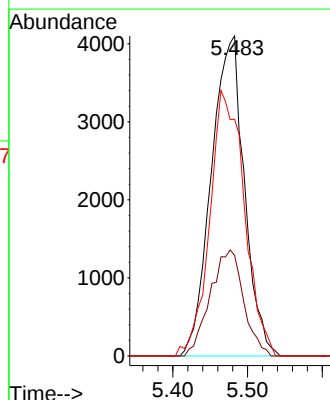
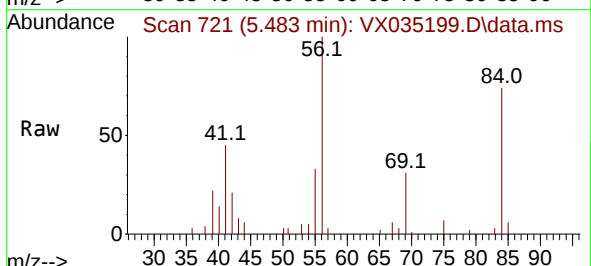
Tgt Ion: 56 Resp: 12636

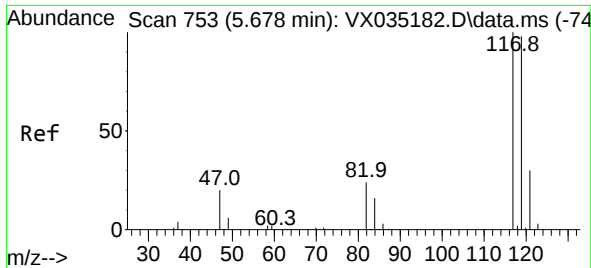
Ion Ratio Lower Upper

56 100

69 33.4 25.1 37.7

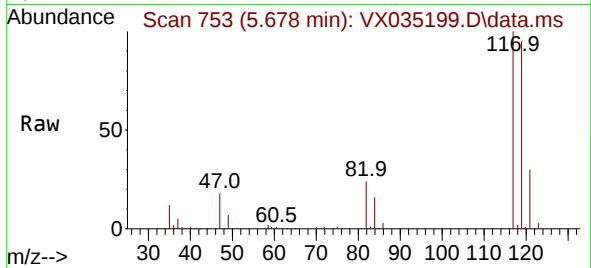
84 86.6 70.1 105.1





#31
Carbon tetrachloride
Concen: 25.142 ug/L
RT: 5.678 min Scan# 711
Delta R.T. -0.000 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

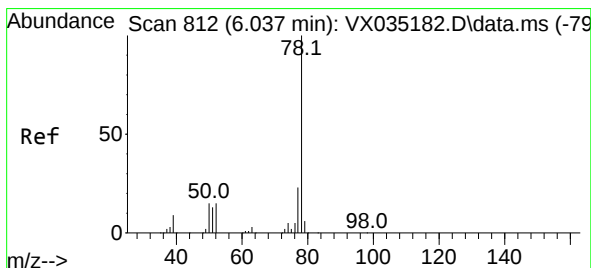
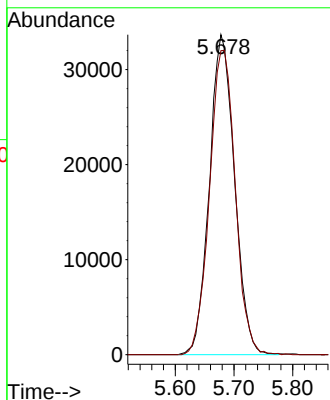
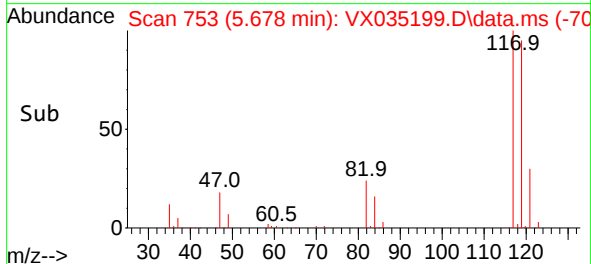
Instrument :
MSVOA_X
ClientSampleId :
COMLO



Tgt Ion:117 Resp: 9999
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7

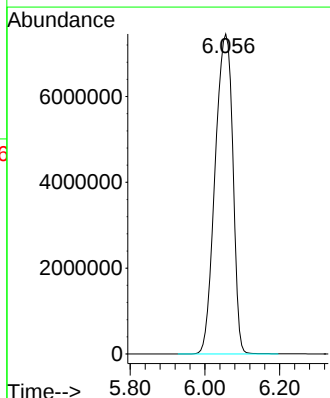
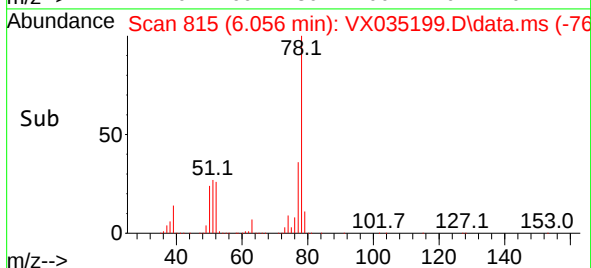
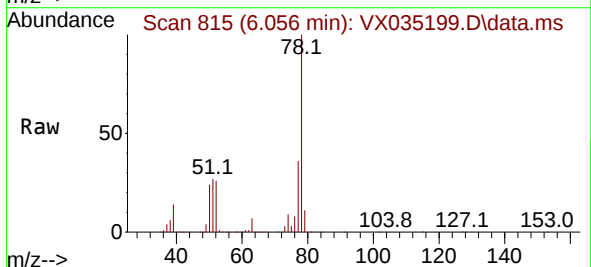
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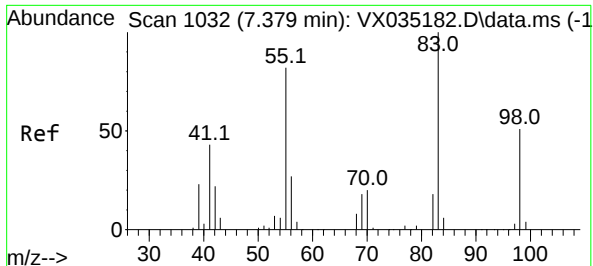
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#33
Benzene
Concen: 2022.933 ug/L
RT: 6.056 min Scan# 815
Delta R.T. 0.018 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

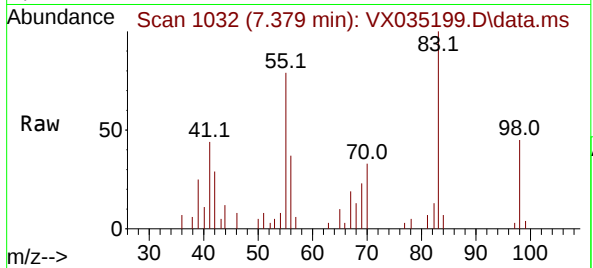
Tgt Ion: 78 Resp:24498716





#35
Methylcyclohexane
Concen: 1.371 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

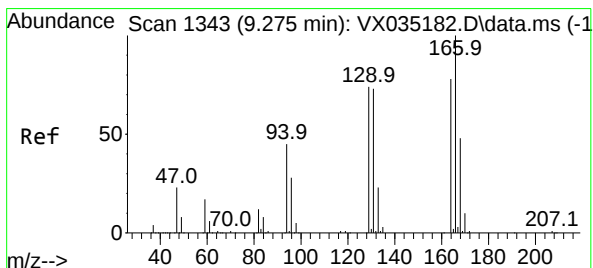
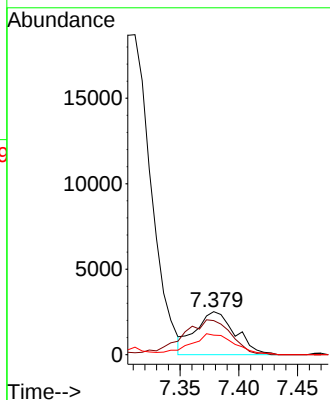
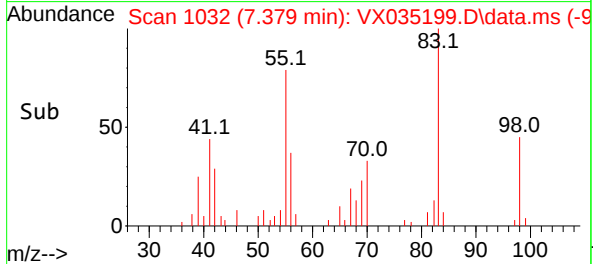
Instrument :
MSVOA_X
ClientSampleId :
COMLO



Tgt Ion: 83 Resp: 5949
Ion Ratio Lower Upper
83 100
55 99.3 62.2 93.2
98 53.1 39.3 58.9

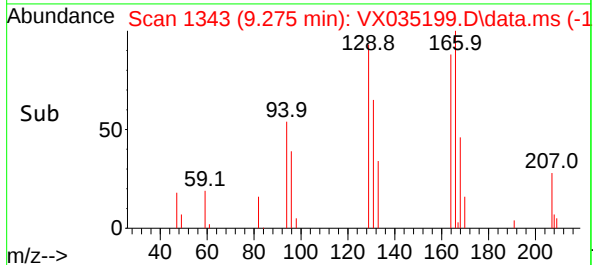
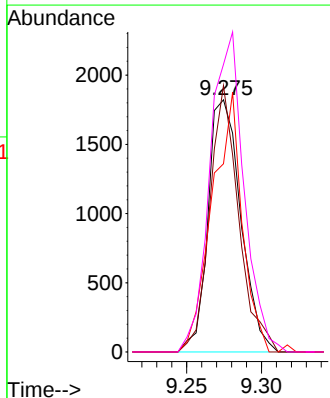
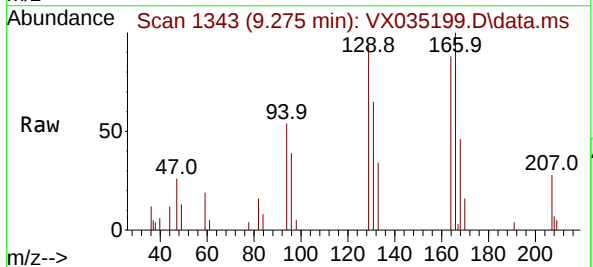
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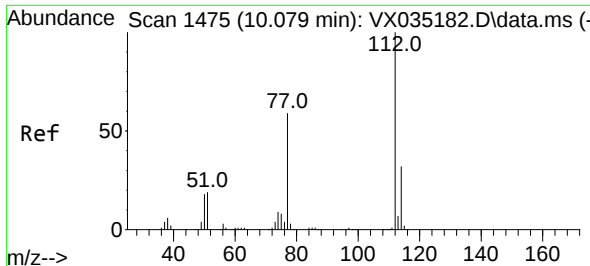
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#46
Tetrachloroethene
Concen: 1.158 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

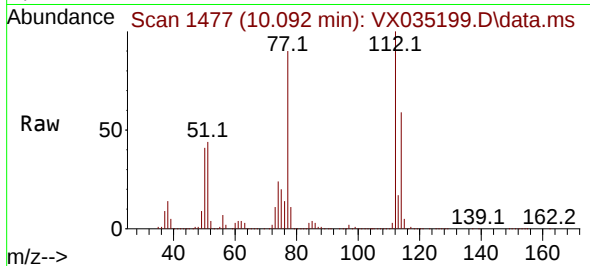
Tgt Ion:164 Resp: 2780
Ion Ratio Lower Upper
164 100
129 105.7 66.1 122.8
131 74.6 65.0 120.8
166 114.0 88.6 164.6





#51
Chlorobenzene
Concen: 3520.579 ug/L m
RT: 10.092 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

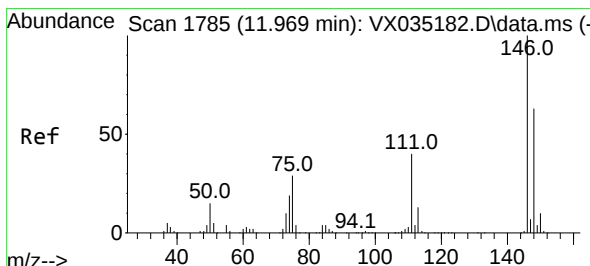
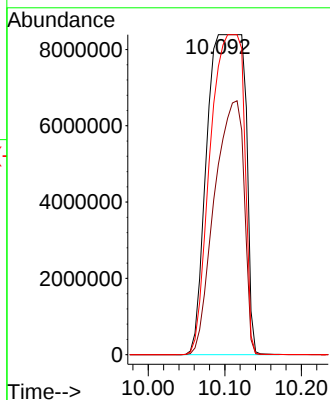
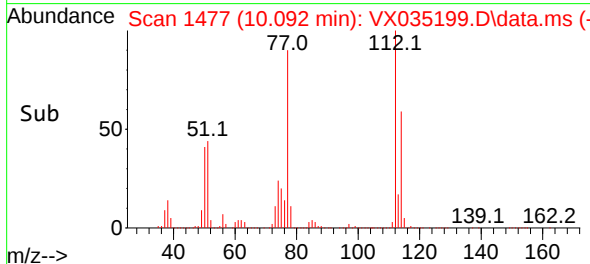
Instrument :
MSVOA_X
ClientSampleId :
COMLO



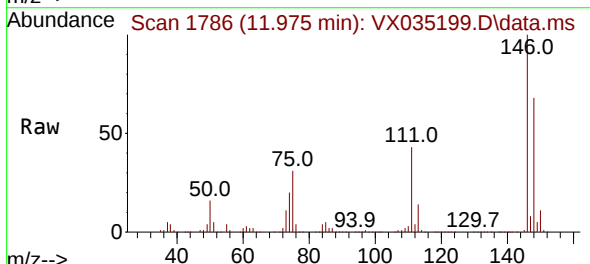
Tgt Ion:112 Resp:29142794
Ion Ratio Lower Upper
112 100
114 59.5 22.4 41.6
77 90.0 47.0 70.6

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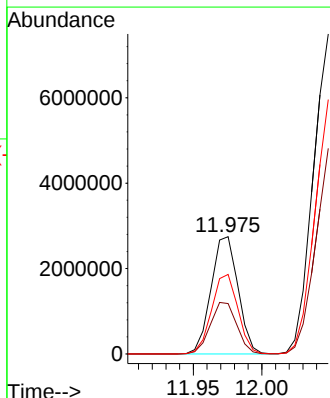
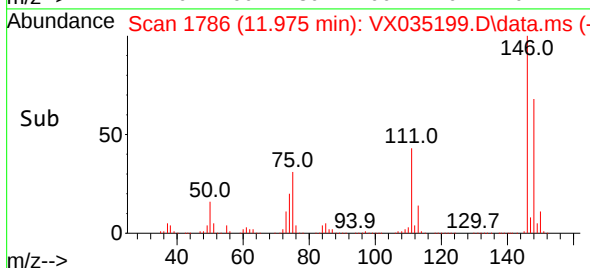
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023

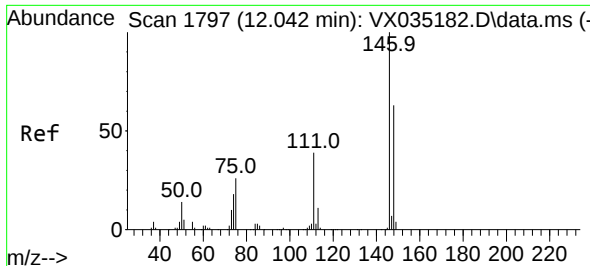


#64
1,3-Dichlorobenzene
Concen: 586.940 ug/L
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02



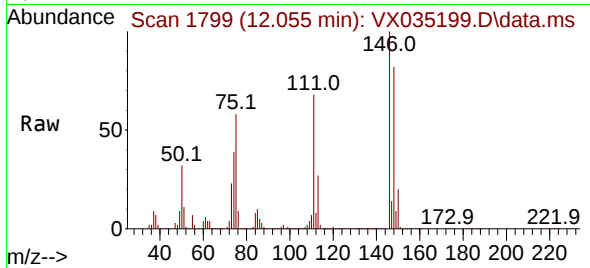
Tgt Ion:146 Resp: 3757929
Ion Ratio Lower Upper
146 100
111 43.1 28.9 53.7
148 67.8 44.3 82.3





#65
1,4-Dichlorobenzene
Concen: 2579.841 ug/L
RT: 12.055 min Scan# 1797
Delta R.T. 0.012 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02

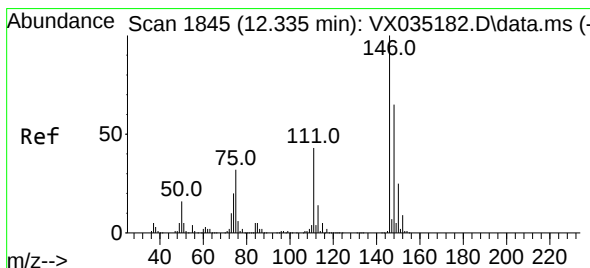
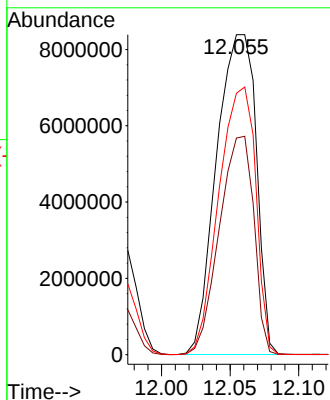
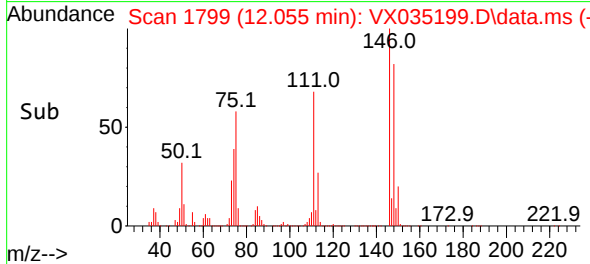
Instrument :
MSVOA_X
ClientSampleId :
COMLO



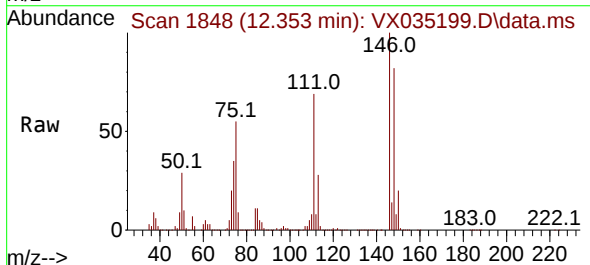
Tgt Ion:146 Resp:16901954
Ion Ratio Lower Upper
146 100
111 67.7 27.9 51.7
148 81.7 45.9 85.3

Manual Integrations
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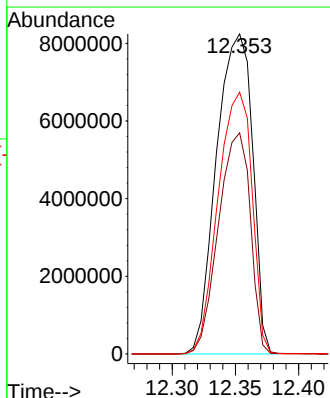
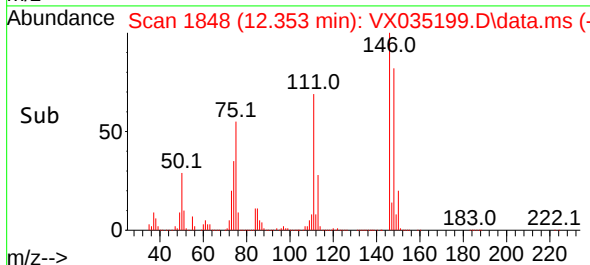
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023

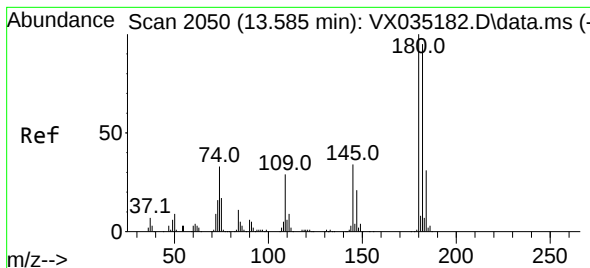


#67
1,2-Dichlorobenzene
Concen: 2521.570 ug/L
RT: 12.353 min Scan# 1848
Delta R.T. 0.018 min
Lab File: VX035199.D
Acq: 20 Apr 2023 03:02



Tgt Ion:146 Resp:16369858
Ion Ratio Lower Upper
146 100
111 69.1 34.7 52.1#
148 81.8 52.1 78.1#





#70

1,2,4-trichlorobenzene

Concen: 2478.680 ug/L

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX035199.D

Acq: 20 Apr 2023 03:02

Instrument :

MSVOA_X

ClientSampleId :

COMLO

Tgt Ion:180 Resp: 918668

Ion Ratio Lower Upper

180 100

182 97.0 76.6 114.8

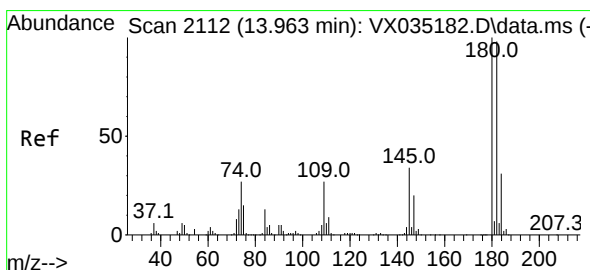
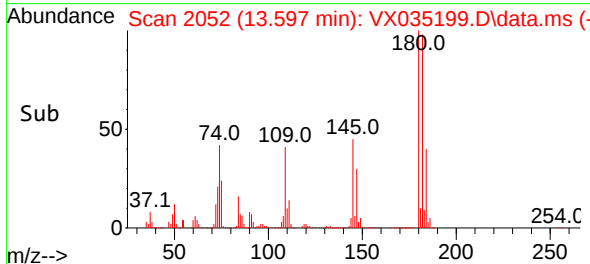
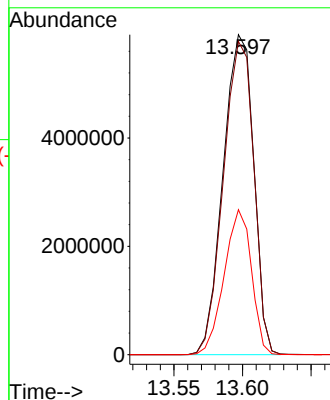
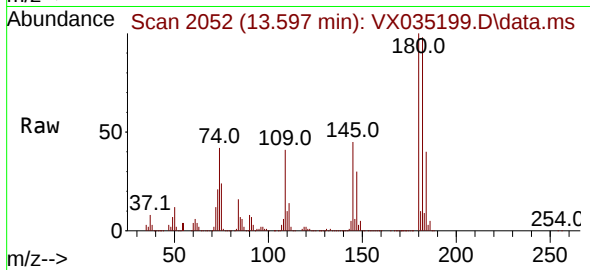
145 40.5 26.2 39.4

Manual Integrations

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Reviewed By :John Carlone 04/20/2023

Supervised By :Mahesh Dadoda 04/21/2023



#72

1,2,3-Trichlorobenzene

Concen: 859.701 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035199.D

Acq: 20 Apr 2023 03:02

Tgt Ion:180 Resp: 3145536

Ion Ratio Lower Upper

180 100

182 95.6 75.0 112.6

145 35.9 27.1 40.7

