

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035196.D
 Acq On : 20 Apr 2023 01:53
 Operator : JC/MD
 Sample : 02378-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMK7

Manual Integrations
 APPROVED

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

Quant Time: Apr 20 05:10:24 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	433423	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.092	117	302335	50.000	ug/L	# 0.04
58) 1,4-Dichlorobenzene-d4	12.043	152	168336	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	121502	43.476	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.960%		
7) Chloroethane-d5	1.673	69	95637	47.358	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.720%		
11) 1,1-Dichloroethene-d2	2.307	65	64392	48.154	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.300%		
21) 2-Butanone-d5	4.459	46	217294	116.675	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.670%		
24) Chloroform-d	5.056	84	305869	58.117	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	116.240%		
26) 1,2-Dichloroethane-d4	5.971	65	185771	54.966	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	109.940%		
32) Benzene-d6	5.989	84	582253	67.042	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	134.080%#		
36) 1,2-Dichloropropane-d6	7.306	67	181386	68.372	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	136.740%#		
41) Toluene-d8	8.653	98	514528	64.823	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	129.640%#		
43) trans-1,3-Dichloroprop...	8.952	79	73054	63.011	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	126.020%#		
47) 2-Hexanone-d5	9.391	63	154447	144.973	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	144.970%#		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	219673	67.613	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	135.220%#		
66) 1,2-Dichlorobenzene-d4	12.341	152	159239	48.814	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.620%		
Target Compounds						Qvalue
13) Acetone	2.392	43	39650	28.705	ug/L	99
25) Chloroform	5.093	83	645803	123.922	ug/L	100
29) Cyclohexane	5.471	56	38583	10.562	ug/L	99
31) Carbon tetrachloride	5.678	117	411545	136.872	ug/L	100
33) Benzene	6.056	78	39211765m	4282.711	ug/L	
35) Methylcyclohexane	7.385	83	13540	4.128	ug/L #	75
38) Bromodichloromethane	7.830	83	6665	2.340	ug/L	97
42) Toluene	8.720	91	23981	2.525	ug/L	99
46) Tetrachloroethene	9.275	164	4497	2.479	ug/L	98
49) Dibromochloromethane	9.525	129	3204	1.474	ug/L	87
51) Chlorobenzene	10.092	112	45011556m	7192.352	ug/L	
64) 1,3-Dichlorobenzene	11.982	146	9688843	1855.946	ug/L	86
65) 1,4-Dichlorobenzene	12.061	146	28131040m	5266.113	ug/L	
67) 1,2-Dichlorobenzene	12.360	146	27874943m	5266.093	ug/L	
70) 1,2,4-trichlorobenzene	13.603	180	12425856	4111.840	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.969	180	4903187	1643.537	ug/L	97

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

Instrument :

MSVOA_X

ClientSampleId :

C0MK7

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/20/2023

Supervised By :Mahesh Dadoda 04/21/2023

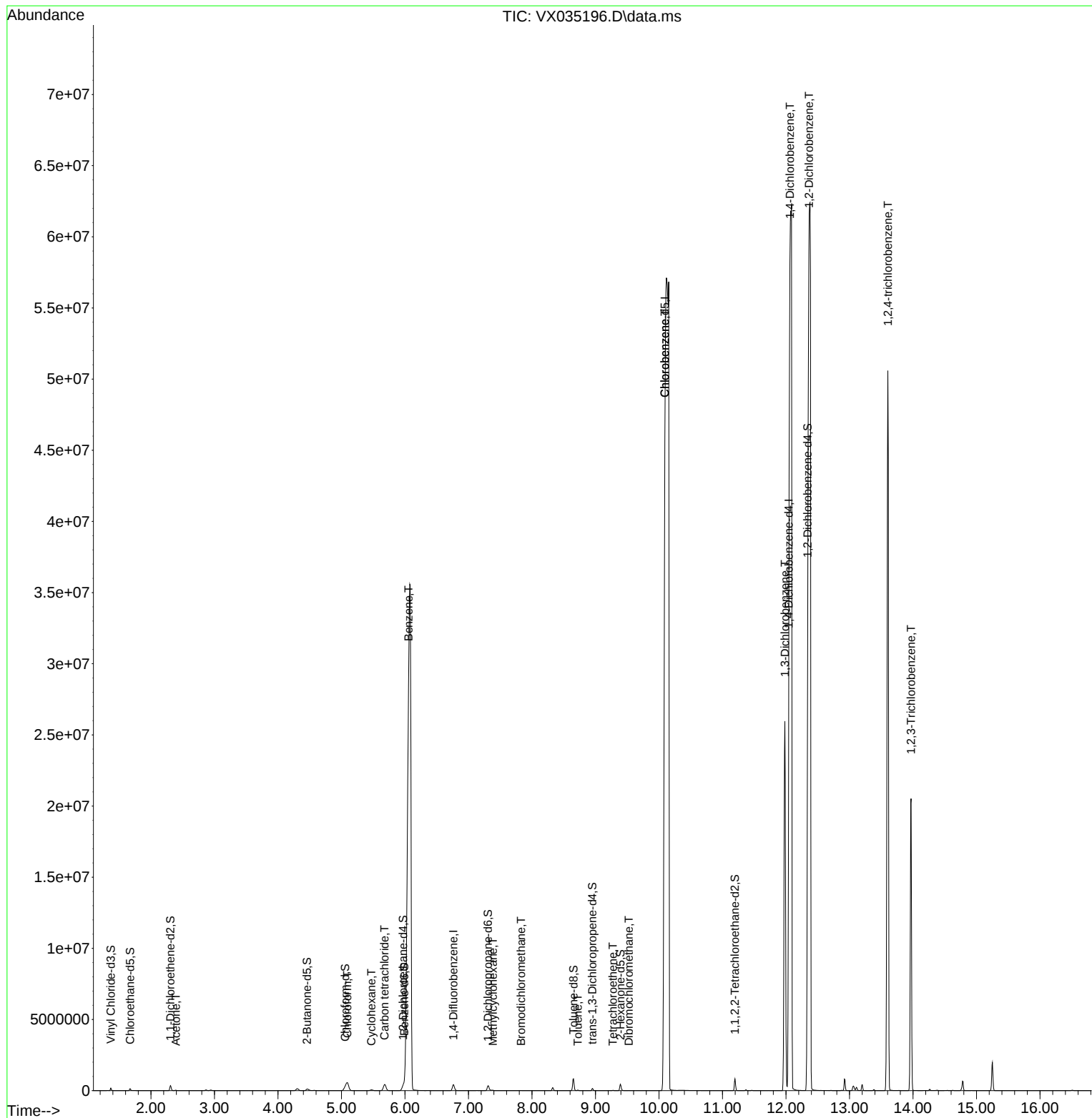
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
Data File : VX035196.D
Acq On : 20 Apr 2023 01:53
Operator : JC/MD
Sample : 02378-14
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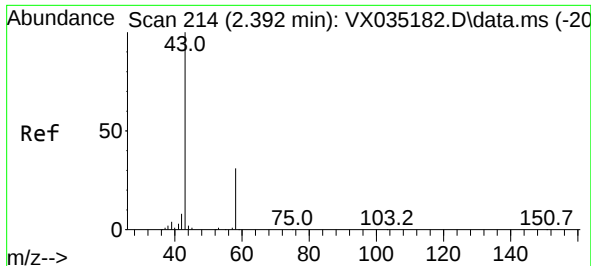
Instrument :
MSVOA_X
ClientSampleId :
COMK7

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

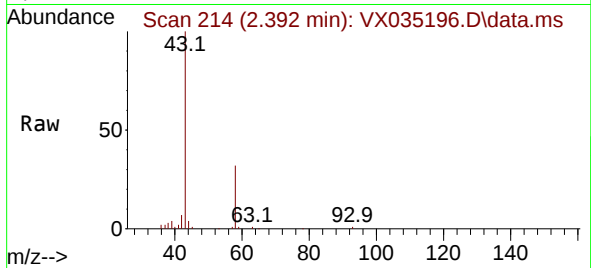
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 20 04:51:49 2023
Response via : Initial Calibration





#13
Acetone
Concen: 28.705 ug/L
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

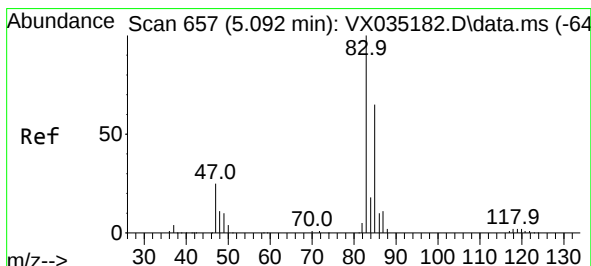
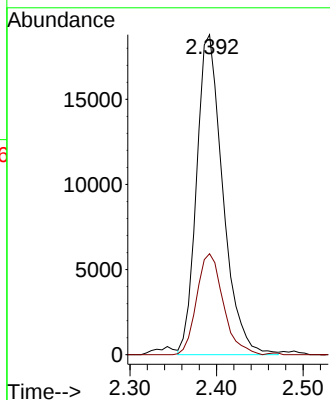
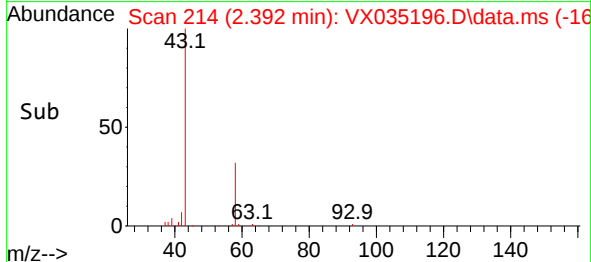
Instrument :
MSVOA_X
ClientSampleId :
COMK7



Tgt Ion: 43 Resp: 39650
Ion Ratio Lower Upper
43 100
58 31.8 0.0 62.0

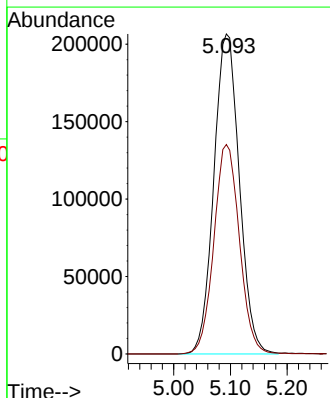
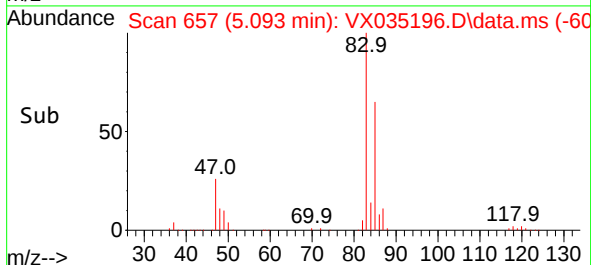
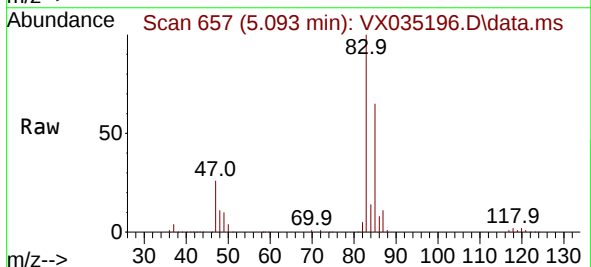
Manual Integrations
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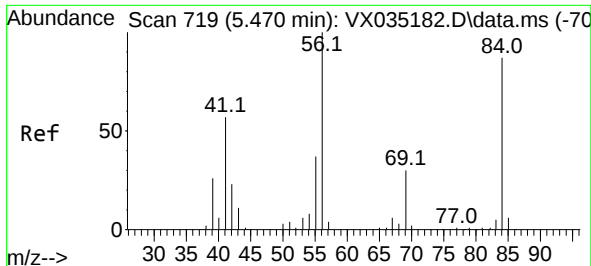
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#25
Chloroform
Concen: 123.922 ug/L
RT: 5.093 min Scan# 657
Delta R.T. 0.000 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

Tgt Ion: 83 Resp: 645803
Ion Ratio Lower Upper
83 100
85 65.5 46.0 85.4





#29

Cyclohexane

Concen: 10.562 ug/L

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX035196.D

Acq: 20 Apr 2023 01:53

Instrument :

MSVOA_X

ClientSampleId :

COMK7

Tgt Ion: 56 Resp: 3858

Ion Ratio Lower Upper

56 100

69 32.5 25.1 37.7

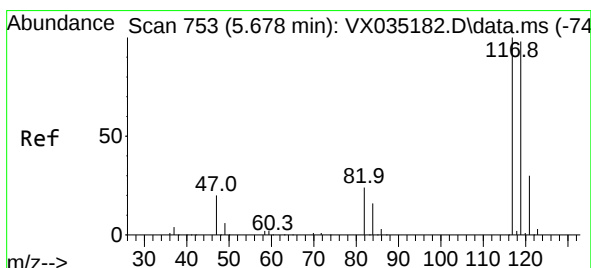
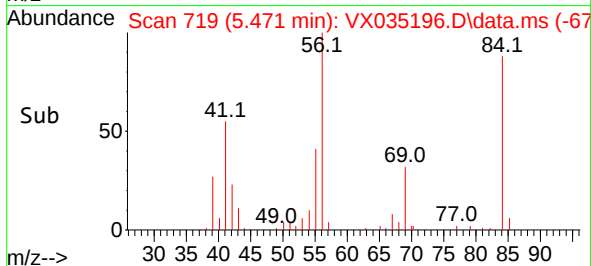
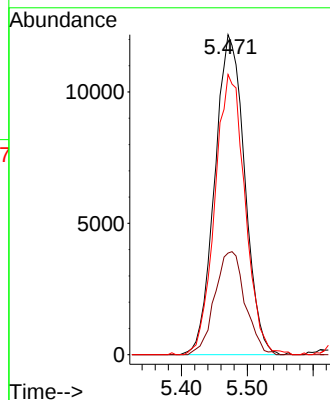
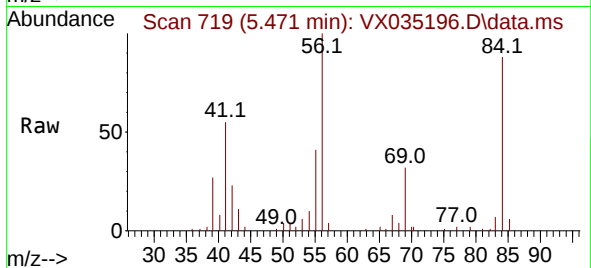
84 87.8 70.1 105.1

Manual Integrations

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Reviewed By :John Carlone 04/20/2023

Supervised By :Mahesh Dadoda 04/21/2023



#31

Carbon tetrachloride

Concen: 136.872 ug/L

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX035196.D

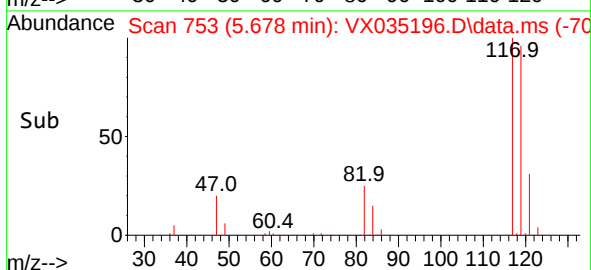
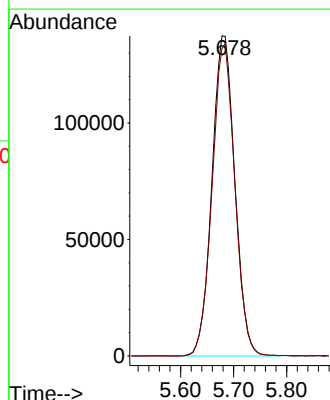
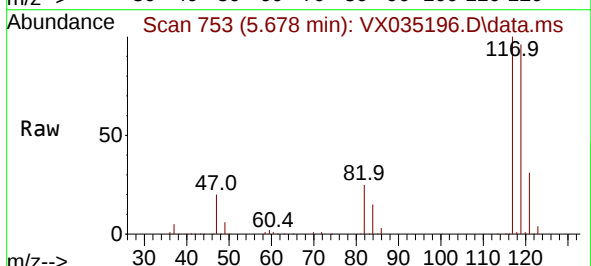
Acq: 20 Apr 2023 01:53

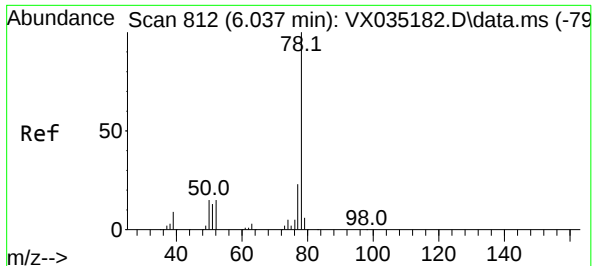
Tgt Ion:117 Resp: 411545

Ion Ratio Lower Upper

117 100

119 96.6 77.1 115.7





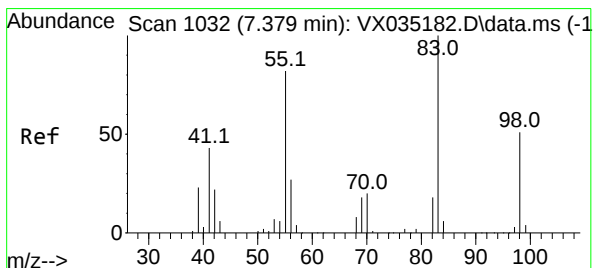
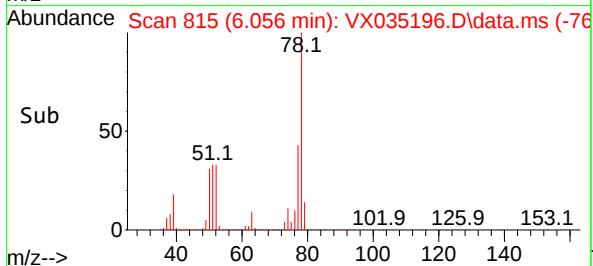
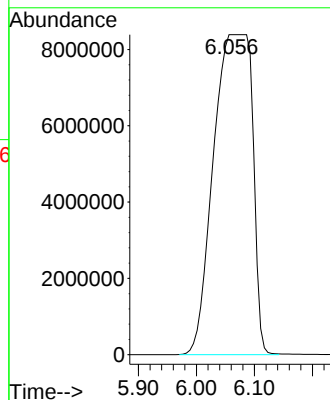
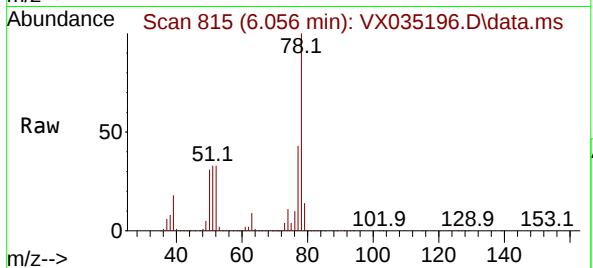
#33
Benzene
Concen: 4282.711 ug/L m
RT: 6.056 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

Instrument :
MSVOA_X
ClientSampleId :
COMK7

Tgt Ion: 78 Resp:3921176

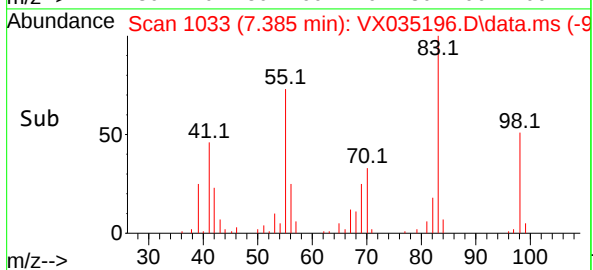
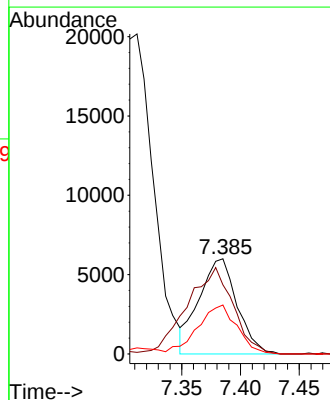
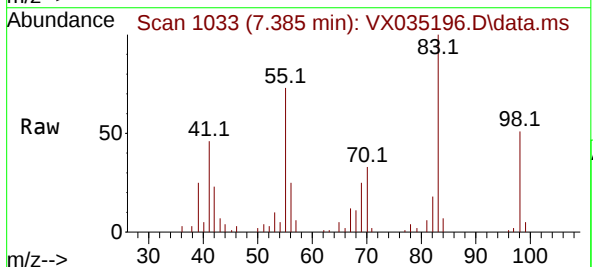
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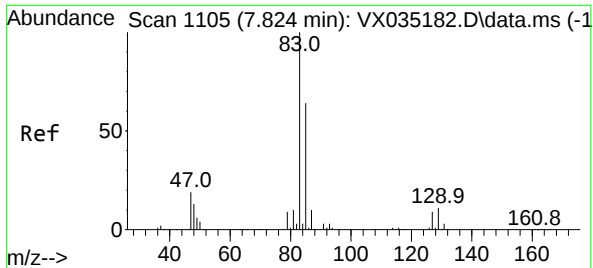
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#35
Methylcyclohexane
Concen: 4.128 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.006 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

Tgt Ion: 83 Resp: 13540
Ion Ratio Lower Upper
83 100
55 110.0 62.2 93.2#
98 52.9 39.3 58.9





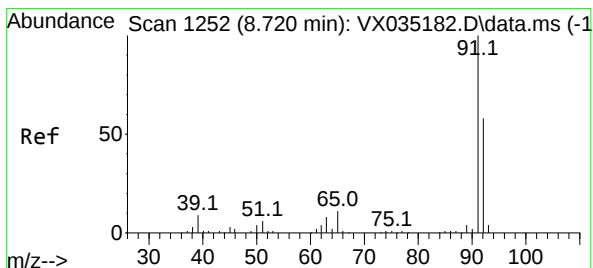
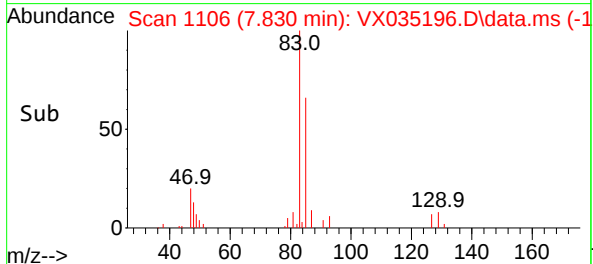
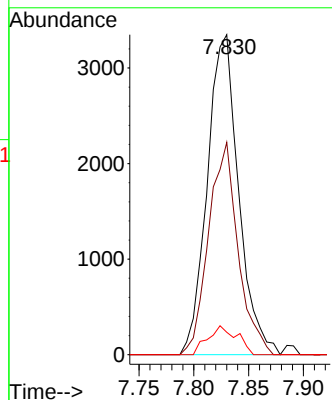
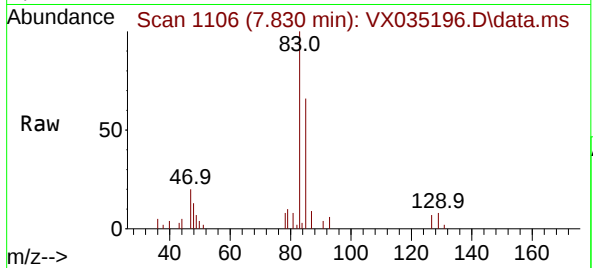
#38
Bromodichloromethane
Concen: 2.340 ug/L
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

Instrument :
MSVOA_X
ClientSampleId :
COMK7

Tgt Ion: 83 Resp: 666
Ion Ratio Lower Upper
83 100
85 66.4 44.7 82.9
127 7.0 6.9 10.3

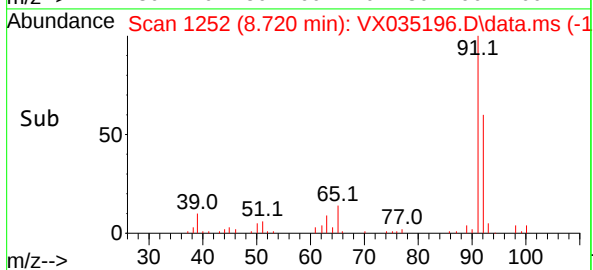
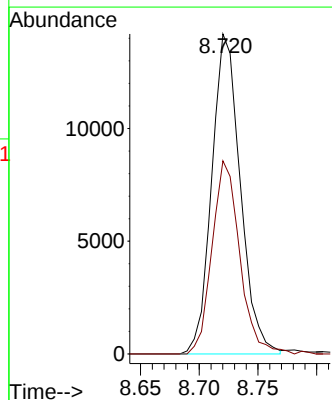
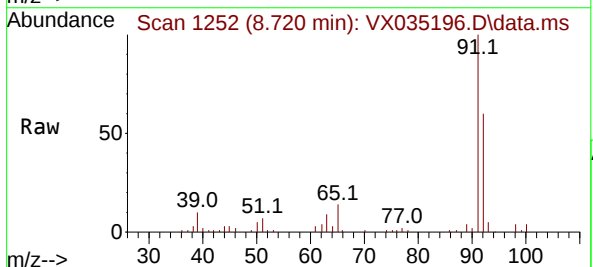
Manual Integrations
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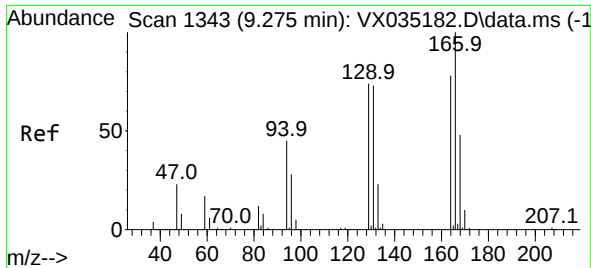
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#42
Toluene
Concen: 2.525 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

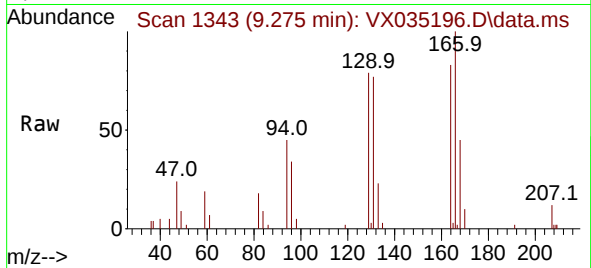
Tgt Ion: 91 Resp: 23981
Ion Ratio Lower Upper
91 100
92 60.4 41.7 77.5





#46
Tetrachloroethene
Concen: 2.479 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

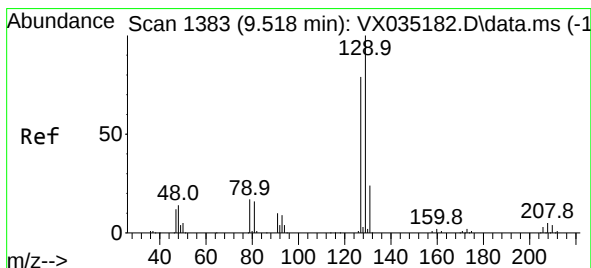
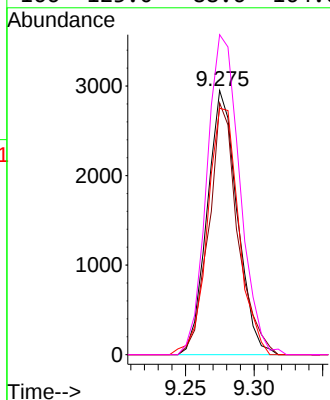
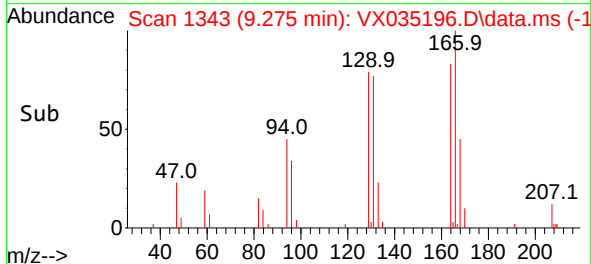
Instrument :
MSVOA_X
ClientSampleId :
COMK7



Tgt Ion:164 Resp: 449
Ion Ratio Lower Upper
164 100
129 95.3 66.1 122.8
131 93.3 65.0 120.8
166 123.0 88.6 164.6

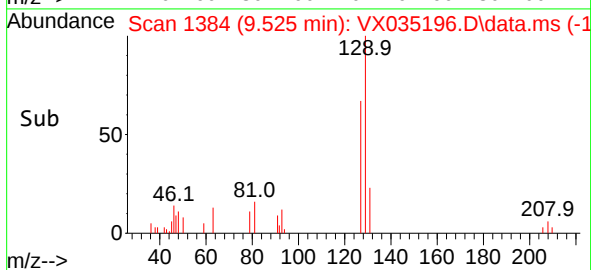
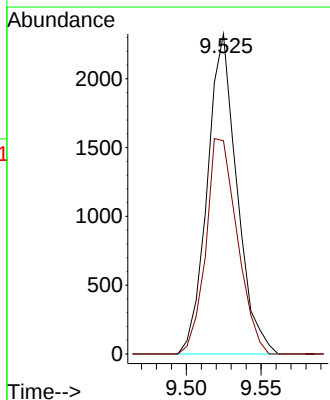
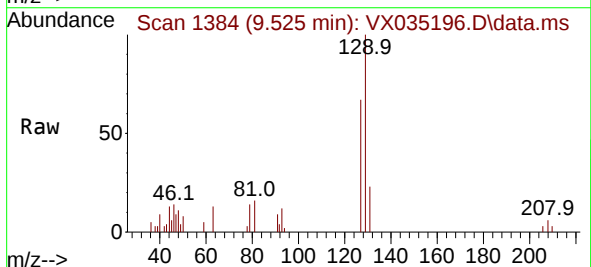
Manual Integrations
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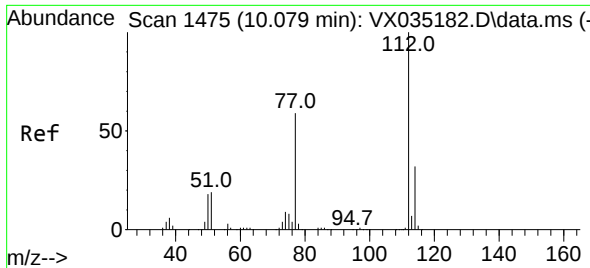
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#49
Dibromochloromethane
Concen: 1.474 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

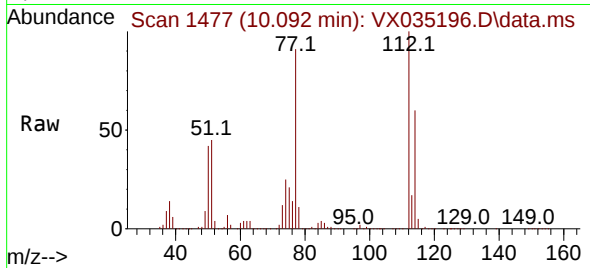
Tgt Ion:129 Resp: 3204
Ion Ratio Lower Upper
129 100
127 66.7 54.8 101.8





#51
Chlorobenzene
Concen: 7192.352 ug/L m
RT: 10.092 min Scan# 1475
Delta R.T. 0.012 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

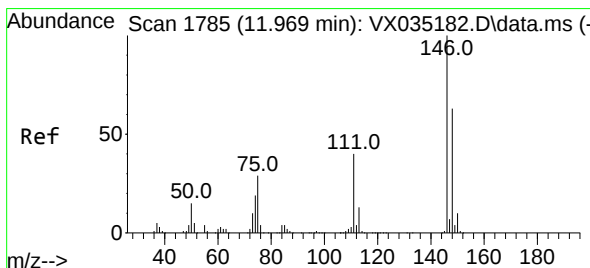
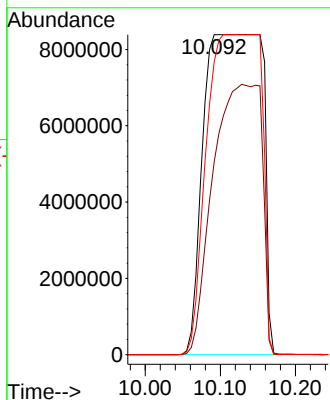
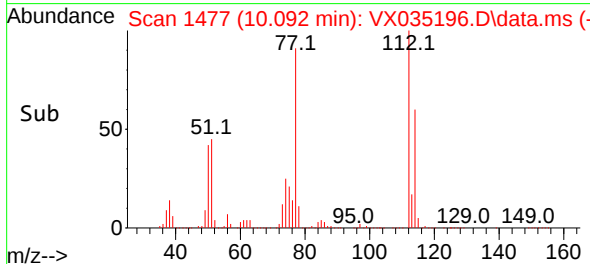
Instrument :
MSVOA_X
ClientSampleId :
COMK7



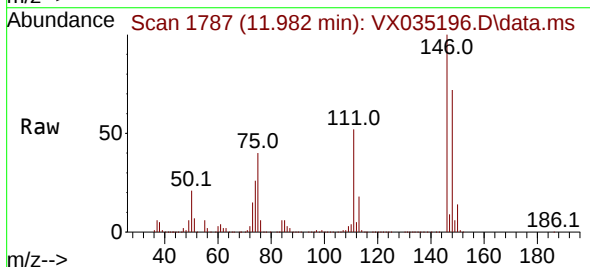
Tgt Ion:112 Resp:4501155
Ion Ratio Lower Upper
112 100
114 60.3 22.4 41.6
77 91.5 47.0 70.6

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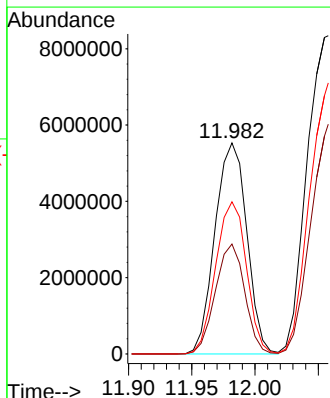
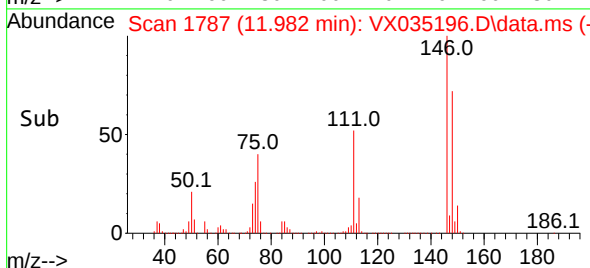
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023

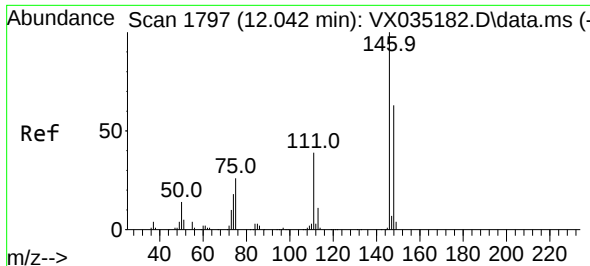


#64
1,3-Dichlorobenzene
Concen: 1855.946 ug/L
RT: 11.982 min Scan# 1787
Delta R.T. 0.012 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53



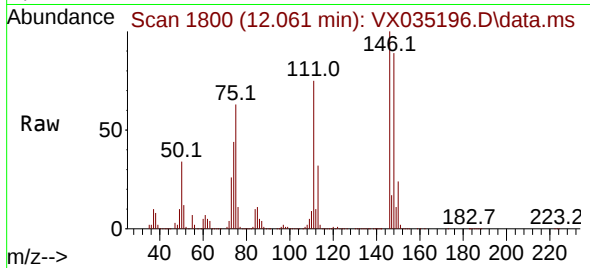
Tgt Ion:146 Resp: 9688843
Ion Ratio Lower Upper
146 100
111 52.1 28.9 53.7
148 72.0 44.3 82.3





#65
1,4-Dichlorobenzene
Concen: 5266.113 ug/L m
RT: 12.061 min Scan# 1800
Delta R.T. 0.019 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

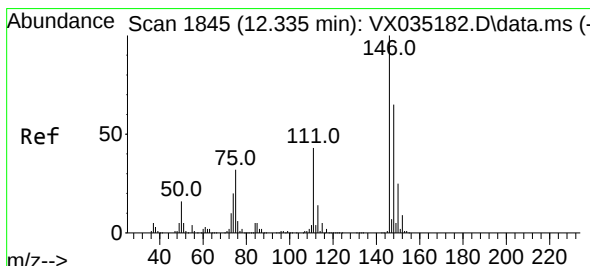
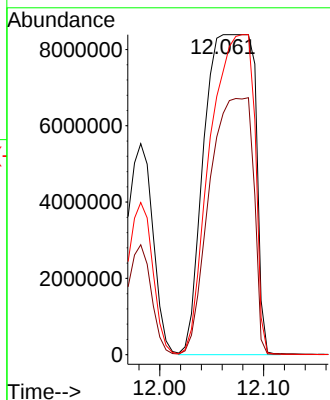
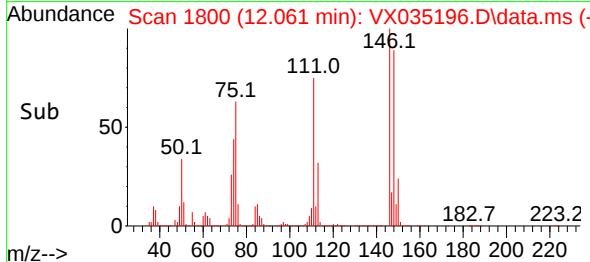
Instrument :
MSVOA_X
ClientSampleId :
COMK7



Tgt Ion:146 Resp:28131040
Ion Ratio Lower Upper
146 100
111 75.4 27.9 51.7
148 88.5 45.9 85.3

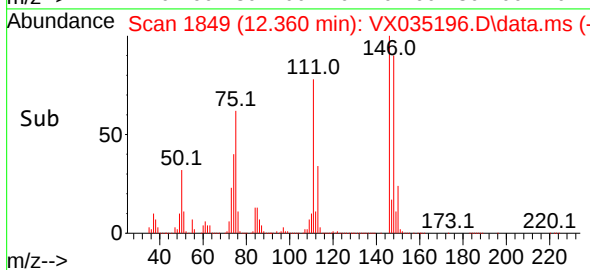
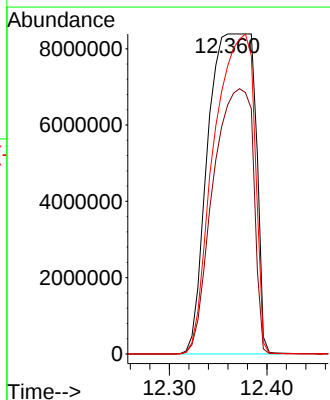
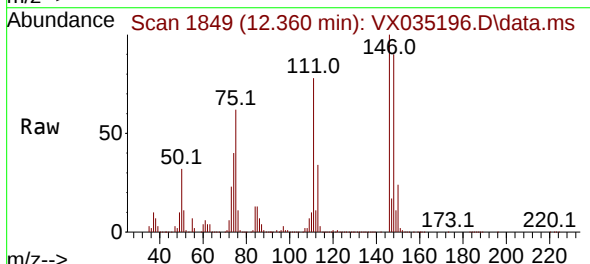
Manual Integrations
APPROVED

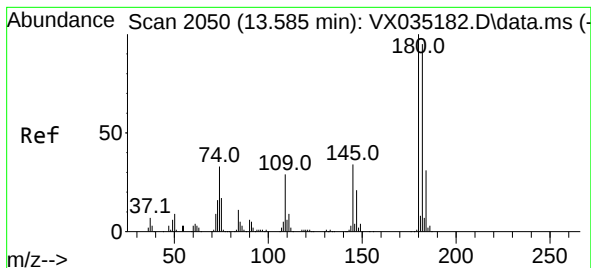
Reviewed By :John Carlone 04/20/2023
Supervised By :Mahesh Dadoda 04/21/2023



#67
1,2-Dichlorobenzene
Concen: 5266.093 ug/L m
RT: 12.360 min Scan# 1849
Delta R.T. 0.025 min
Lab File: VX035196.D
Acq: 20 Apr 2023 01:53

Tgt Ion:146 Resp:27874943
Ion Ratio Lower Upper
146 100
111 77.8 34.7 52.1#
148 89.9 52.1 78.1#





#70

1,2,4-trichlorobenzene

Concen: 4111.840 ug/L

RT: 13.603 min Scan# 2050

Delta R.T. 0.019 min

Lab File: VX035196.D

Acq: 20 Apr 2023 01:53

Instrument :

MSVOA_X

ClientSampleId :

COMK7

Tgt Ion:180 Resp:1242585

Ion Ratio Lower Upper

180 100

182 97.1 76.6 114.8

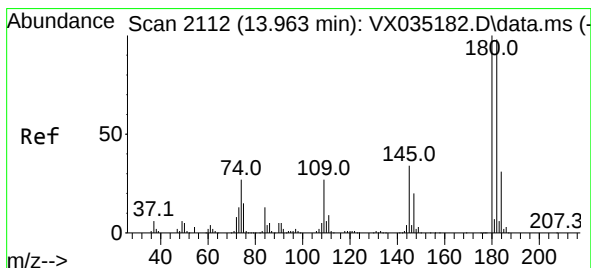
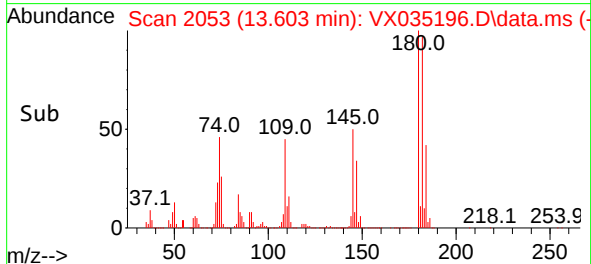
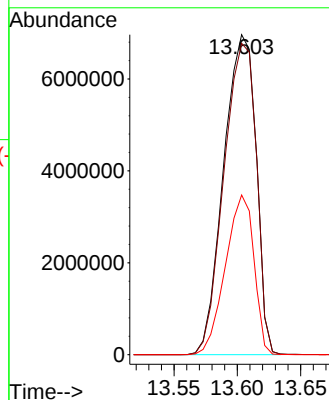
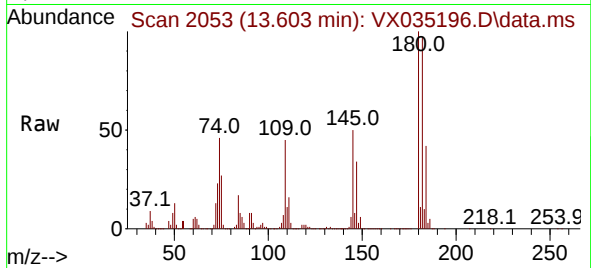
145 43.9 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/20/2023

Supervised By :Mahesh Dadoda 04/21/2023



#72

1,2,3-Trichlorobenzene

Concen: 1643.537 ug/L

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX035196.D

Acq: 20 Apr 2023 01:53

Tgt Ion:180 Resp: 4903187

Ion Ratio Lower Upper

180 100

182 95.1 75.0 112.6

145 37.4 27.1 40.7

