

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041124\
 Data File : VX040974.D
 Acq On : 11 Apr 2024 13:13
 Operator : JC/MD
 Sample : P2048-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MC0R51

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2024
 Supervised By : Semsettin Yesilyurt 04/12/2024

Quant Time: Apr 12 01:46:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 05:36:34 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.781	114	294575	50.000	ug/L	0.02
28) Chlorobenzene-d5	10.098	117	195542	50.000	ug/L	# 0.04
58) 1,4-Dichlorobenzene-d4	12.043	152	168730	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	95197	45.435	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	90.880%	
7) Chloroethane-d5	1.666	69	81655	47.785	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	95.580%	
11) 1,1-Dichloroethene-d2	2.307	65	42289	47.275	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	94.540%	
21) 2-Butanone-d5	4.459	46	116244	101.851	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	101.850%	
24) Chloroform-d	5.062	84	215118	55.026	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	110.060%	
26) 1,2-Dichloroethane-d4	6.178	65	129604m	50.966	ug/L	0.23
Spiked Amount 50.000	Range 70	- 125	Recovery	=	101.940%	
32) Benzene-d6	6.086	84	361557	68.107	ug/L	0.11
Spiked Amount 50.000	Range 70	- 125	Recovery	=	136.220%#	
36) 1,2-Dichloropropane-d6	7.318	67	107945	69.720	ug/L	0.01
Spiked Amount 50.000	Range 70	- 120	Recovery	=	139.440%#	
41) Toluene-d8	8.653	98	345653	66.647	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	133.300%#	
43) trans-1,3-Dichloroprop...	8.952	79	49392	63.393	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	126.780%#	
47) 2-Hexanone-d5	9.391	63	91363	139.962	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	139.960%#	
56) 1,1,2,2-Tetrachloroeth...	11.195	84	150575	65.654	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	131.300%#	
66) 1,2-Dichlorobenzene-d4	12.341	152	161724	47.781	ug/L	0.02
Spiked Amount 50.000	Range 80	- 120	Recovery	=	95.560%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.313	96	2121	1.199	ug/L #	1
13) Acetone	2.380	43	4482	3.623	ug/L	97
14) Carbon disulfide	2.514	76	32288	7.261	ug/L	100
16) Methylene chloride	2.788	84	8247	4.472	ug/L	96
25) Chloroform	5.099	83	805356	225.883	ug/L	98
29) Cyclohexane	5.483	56	28869	14.737	ug/L	99
33) Benzene	6.062	78	116389574m	22941.419	ug/L	
34) Trichloroethene	7.141	95	11598	7.969	ug/L	96
35) Methylcyclohexane	7.391	83	4689	2.272	ug/L #	68
42) Toluene	8.726	91	68630	12.215	ug/L	99
46) Tetrachloroethene	9.281	164	9742	7.107	ug/L	96
51) Chlorobenzene	10.092	112	62307047m	15824.402	ug/L	
64) 1,3-Dichlorobenzene	11.976	146	2879172	556.257	ug/L	97
65) 1,4-Dichlorobenzene	12.061	146	27961855m	5262.422	ug/L	
67) 1,2-Dichlorobenzene	12.360	146	22086786	4398.843	ug/L #	68
70) 1,2,4-trichlorobenzene	13.591	180	1151083	306.435	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	71528	19.416	ug/L	99

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Sample : P2048-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Supervised By :Semsettin Yesilyurt 04/12/2024

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Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:36:34 2024
Response via : Initial Calibration

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

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

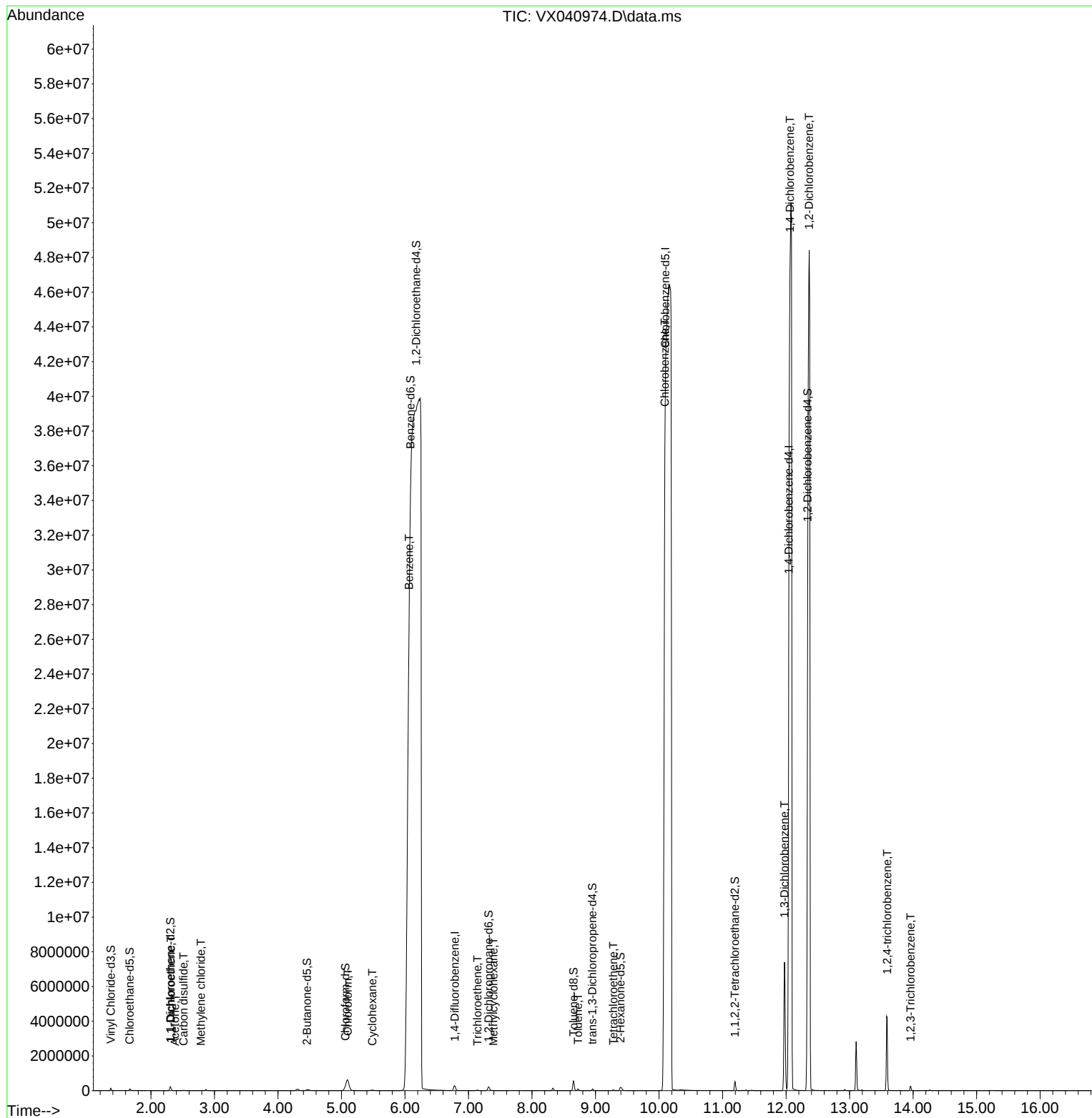
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Sample : P2048-04
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ALS Vial : 11 Sample Multiplier: 1

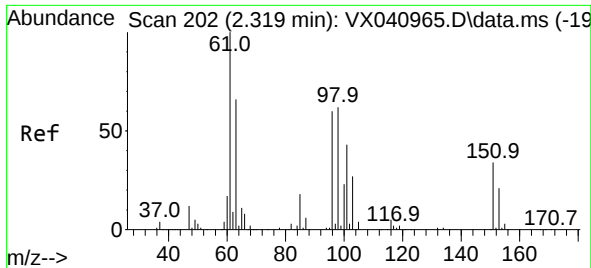
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041024WMA.M
Quant Title : VOC Analysis
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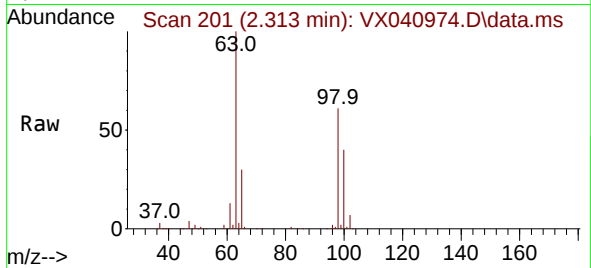
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024





#12
1,1-Dichloroethene
Concen: 1.199 ug/L
RT: 2.313 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

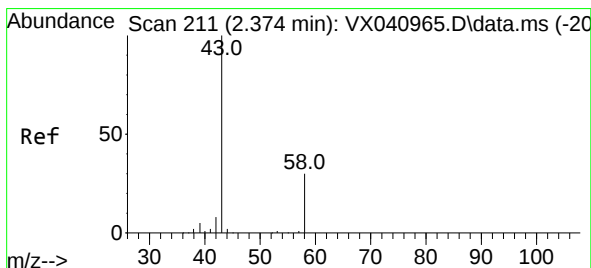
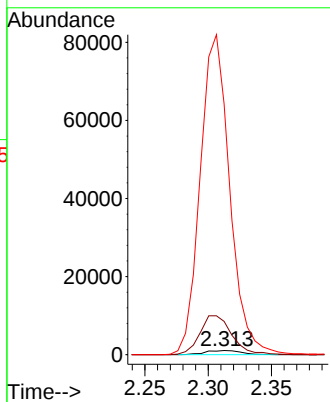
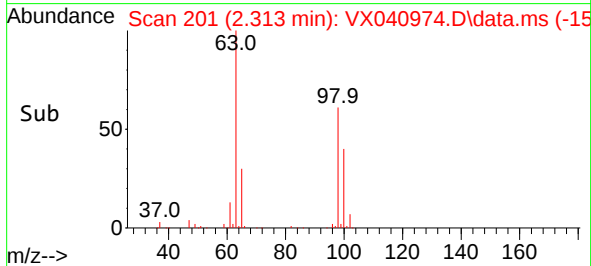
Instrument :
MSVOA_X
ClientSampleId :
MC0R51



Tgt Ion: 96 Resp: 212
Ion Ratio Lower Upper
96 100
61 791.3 113.6 211.0
63 5963.6 89.3 165.9

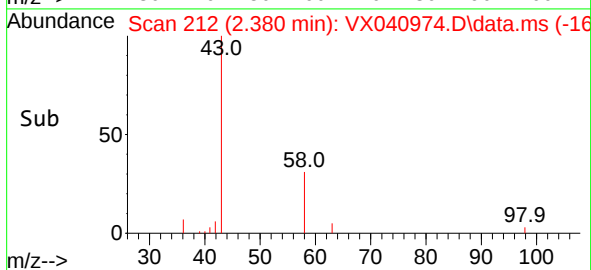
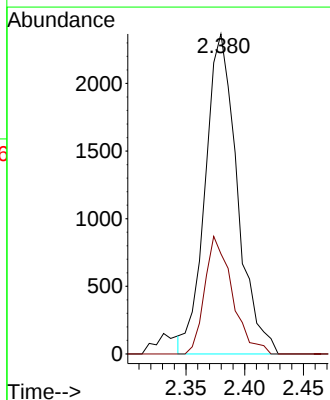
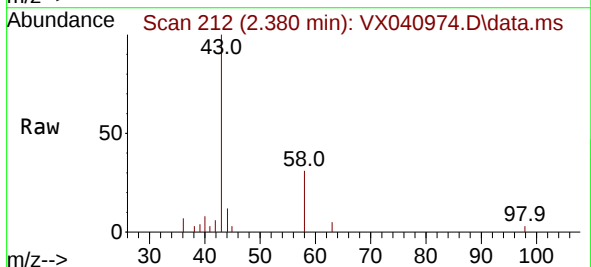
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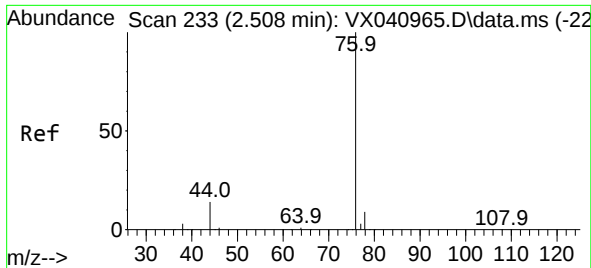
Reviewed By :John Carlone 04/12/2024
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#13
Acetone
Concen: 3.623 ug/L
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

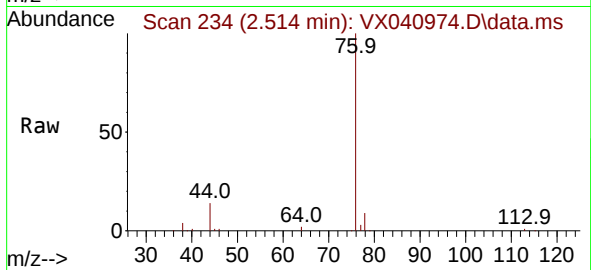
Tgt Ion: 43 Resp: 4482
Ion Ratio Lower Upper
43 100
58 31.1 0.0 59.4





#14
Carbon disulfide
Concen: 7.261 ug/L
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

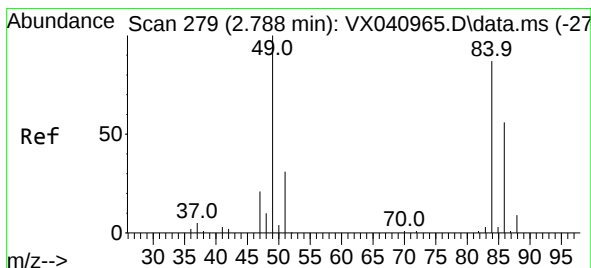
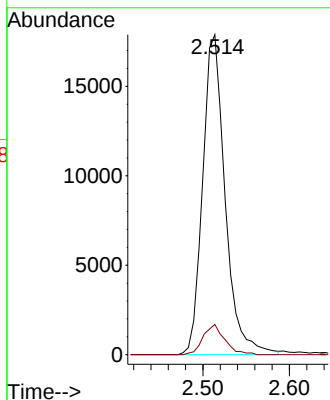
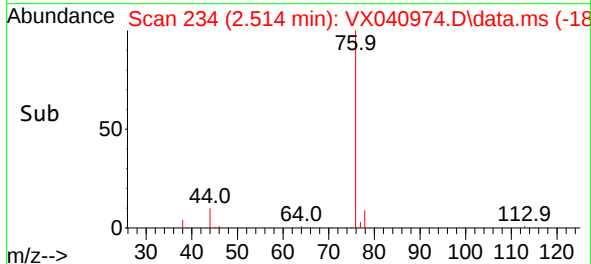
Instrument :
MSVOA_X
ClientSampleId :
MC0R51



Tgt Ion: 76 Resp: 3228
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.2

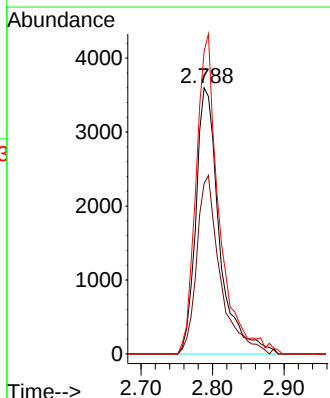
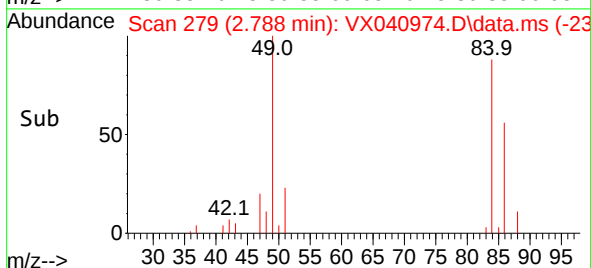
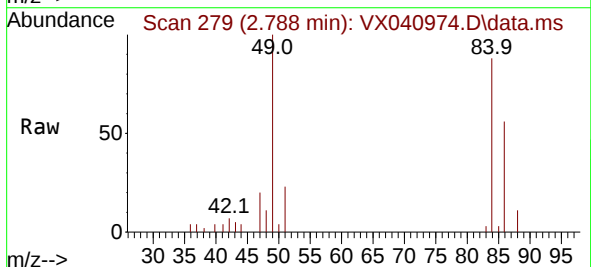
Manual Integrations
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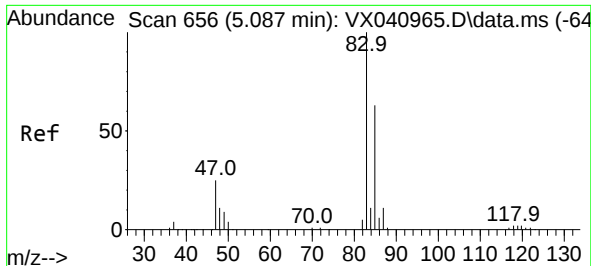
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024



#16
Methylene chloride
Concen: 4.472 ug/L
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

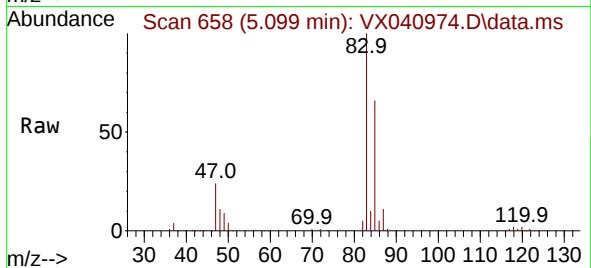
Tgt Ion: 84 Resp: 8247
Ion Ratio Lower Upper
84 100
86 64.1 45.9 85.3
49 113.7 83.1 154.3





#25
Chloroform
Concen: 225.883 ug/L
RT: 5.099 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

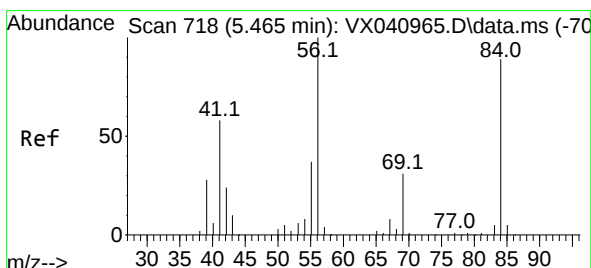
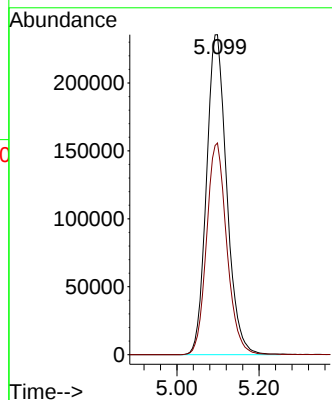
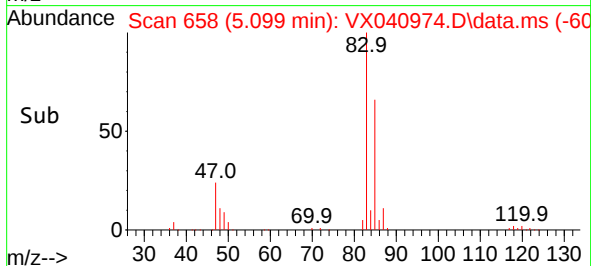
Instrument :
MSVOA_X
ClientSampleId :
MC0R51



Tgt Ion: 83 Resp: 805350
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.4

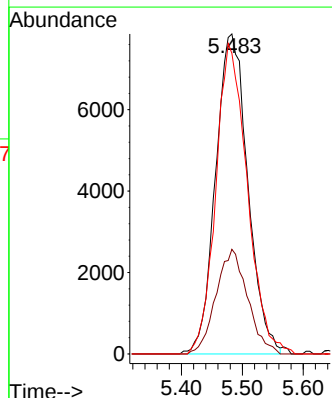
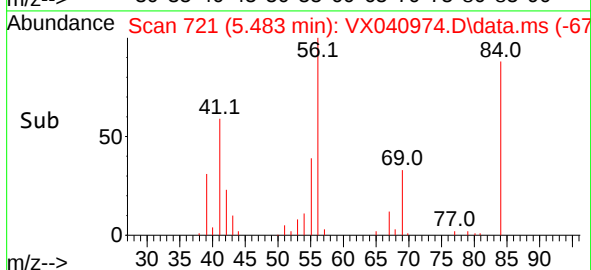
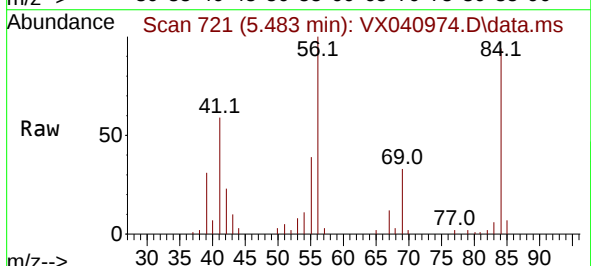
Manual Integrations
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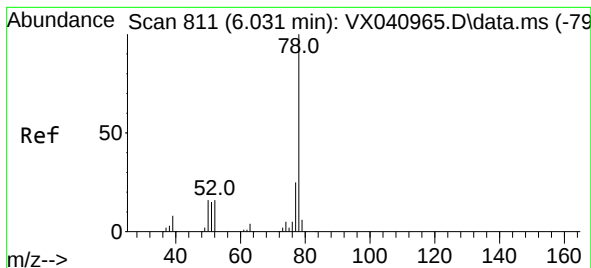
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024



#29
Cyclohexane
Concen: 14.737 ug/L
RT: 5.483 min Scan# 721
Delta R.T. 0.012 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Tgt Ion: 56 Resp: 28869
Ion Ratio Lower Upper
56 100
69 32.1 25.0 37.4
84 94.7 74.9 112.3





#33

Benzene

Concen: 22941.419 ug/L m

RT: 6.062 min Scan# 811

Delta R.T. 0.024 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Instrument :

MSVOA_X

ClientSampleId :

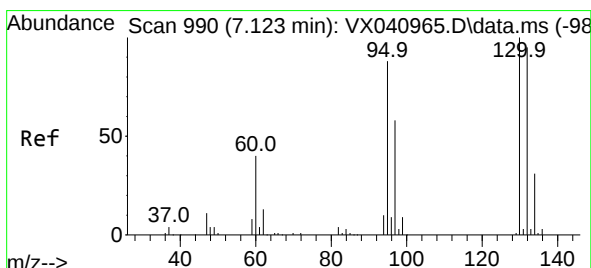
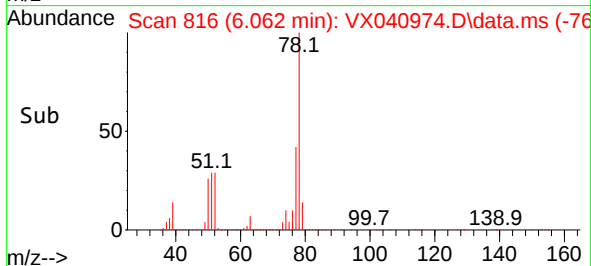
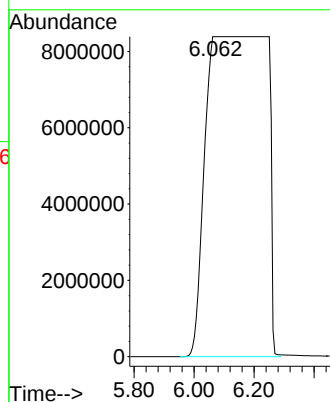
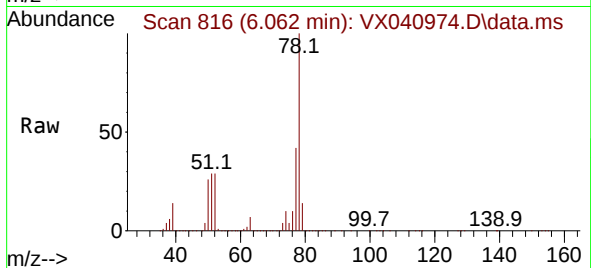
MC0R51

Tgt Ion: 78 Resp:1163895

**Manual Integrations
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Supervised By :Semsettin Yesilyurt 04/12/2024



#34

Trichloroethene

Concen: 7.969 ug/L

RT: 7.141 min Scan# 993

Delta R.T. 0.018 min

Lab File: VX040974.D

Acq: 11 Apr 2024 13:13

Tgt Ion: 95 Resp: 11598

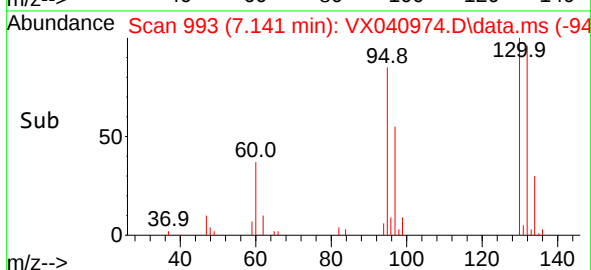
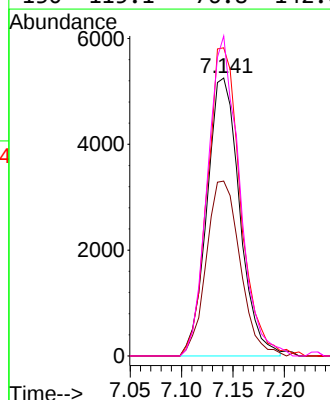
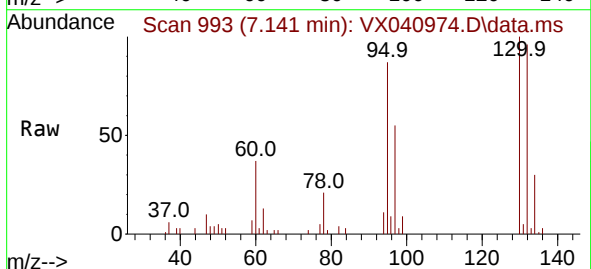
Ion Ratio Lower Upper

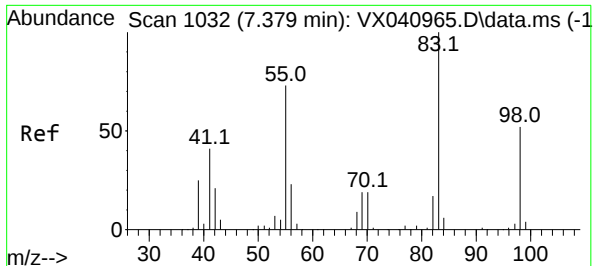
95 100

97 62.9 43.2 80.2

132 110.9 74.3 138.1

130 115.1 76.8 142.6





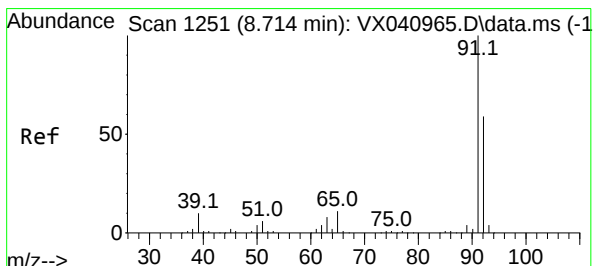
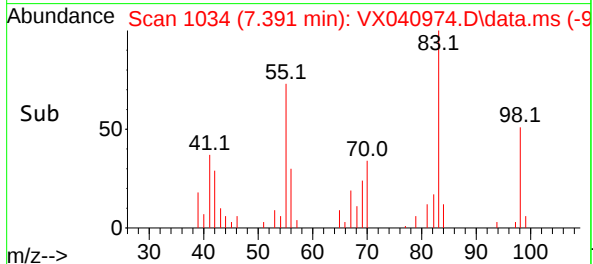
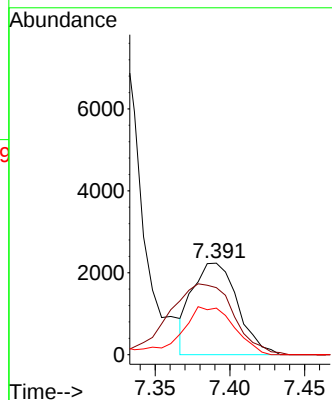
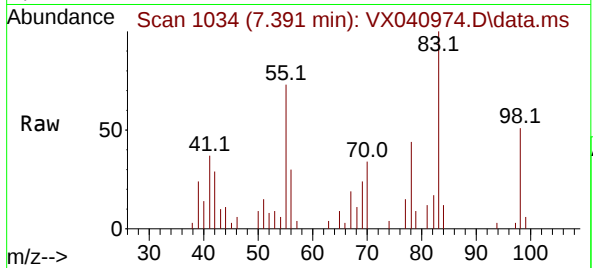
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Methylcyclohexane
Concen: 2.272 ug/L
RT: 7.391 min Scan# 1034
Delta R.T. 0.012 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Instrument :
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ClientSampleId :
MC0R51

Tgt Ion: 83 Resp: 4689
Ion Ratio Lower Upper
83 100
55 111.7 58.9 88.3
98 60.7 40.9 61.3

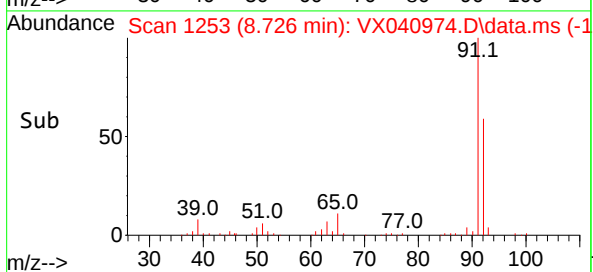
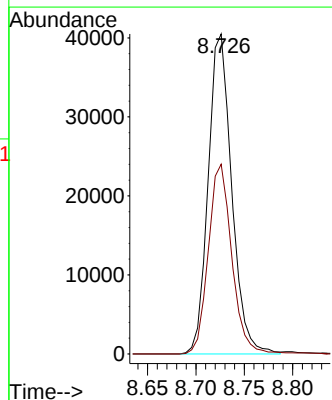
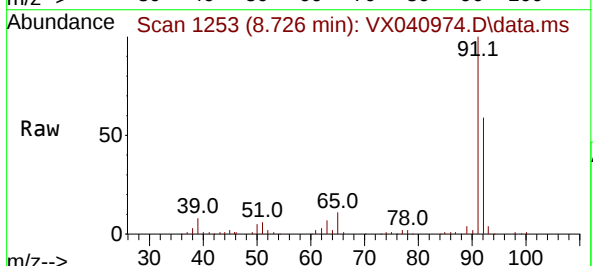
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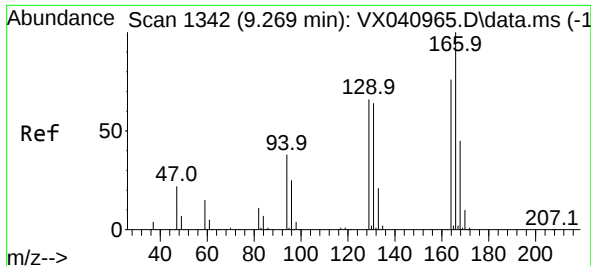
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024



#42
Toluene
Concen: 12.215 ug/L
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Tgt Ion: 91 Resp: 68630
Ion Ratio Lower Upper
91 100
92 59.3 40.9 76.0





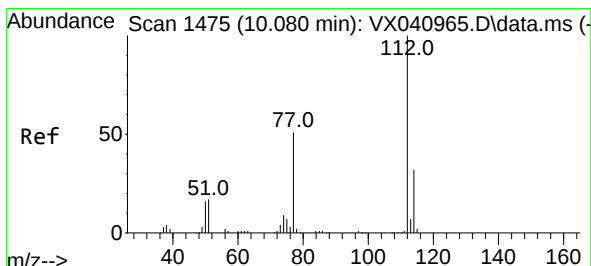
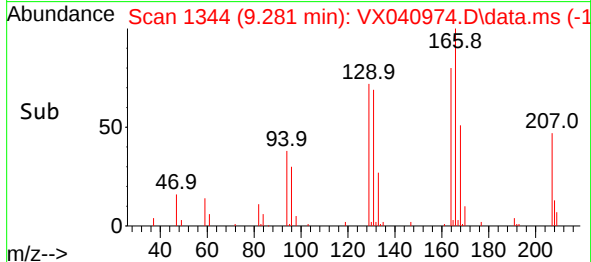
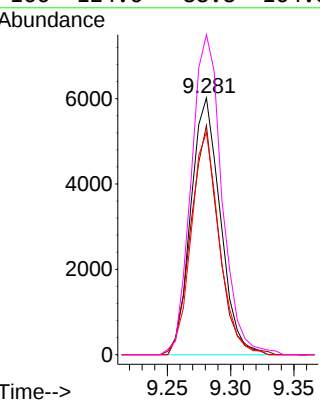
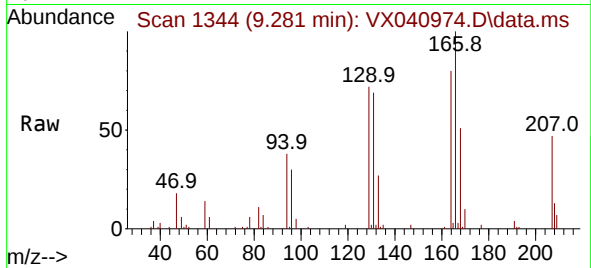
#46
Tetrachloroethene
Concen: 7.107 ug/L
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

Instrument :
MSVOA_X
ClientSampleId :
MC0R51

Tgt Ion:164 Resp: 974
Ion Ratio Lower Upper
164 100
129 89.2 58.9 109.5
131 86.6 56.6 105.2
166 124.6 88.8 164.8

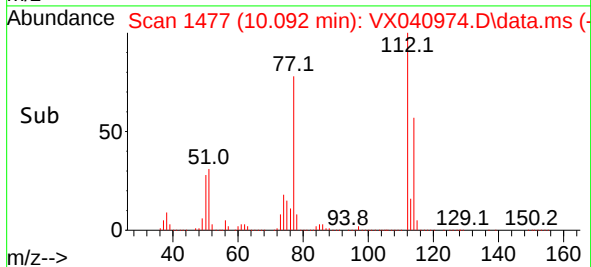
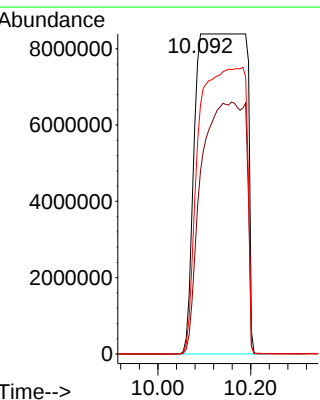
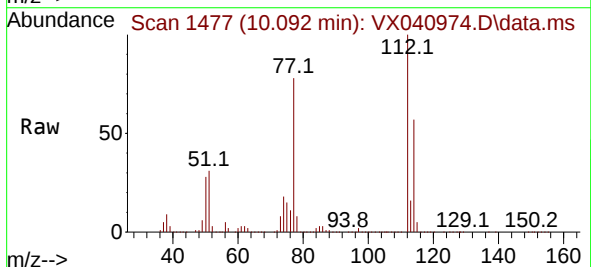
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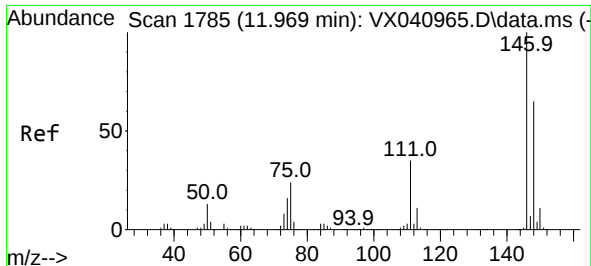
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024



#51
Chlorobenzene
Concen: 15824.402 ug/L m
RT: 10.092 min Scan# 1477
Delta R.T. 0.012 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

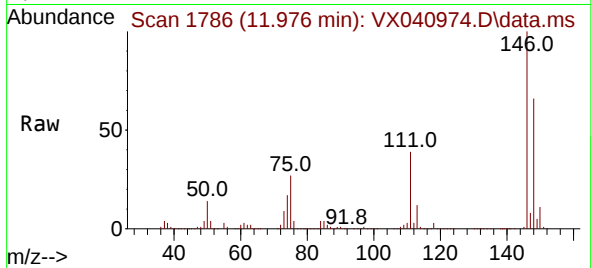
Tgt Ion:112 Resp:62307047
Ion Ratio Lower Upper
112 100
114 57.2 23.0 42.8#
77 77.9 43.4 65.0#





#64
1,3-Dichlorobenzene
Concen: 556.257 ug/L
RT: 11.976 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

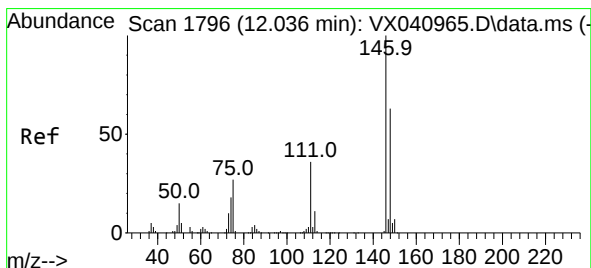
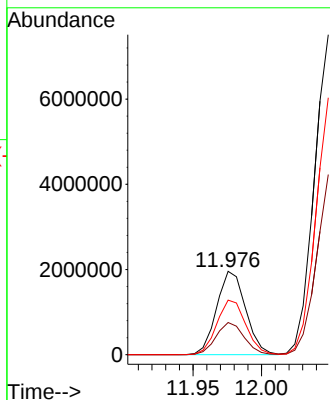
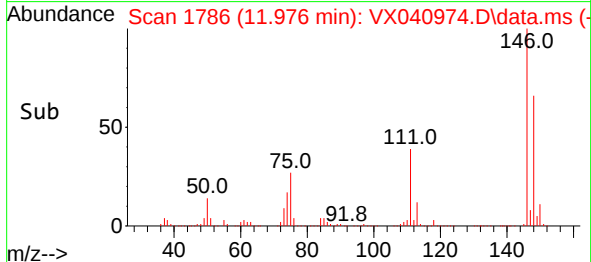
Instrument :
MSVOA_X
ClientSampleId :
MC0R51



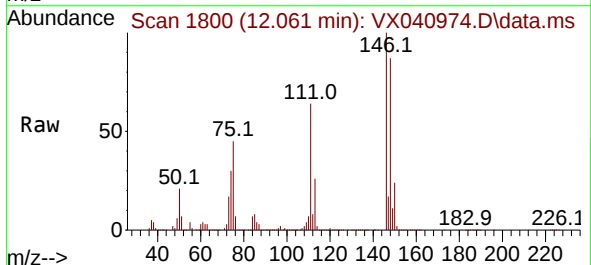
Tgt Ion:146 Resp: 2879172
Ion Ratio Lower Upper
146 100
111 38.7 25.3 47.1
148 65.6 44.7 82.9

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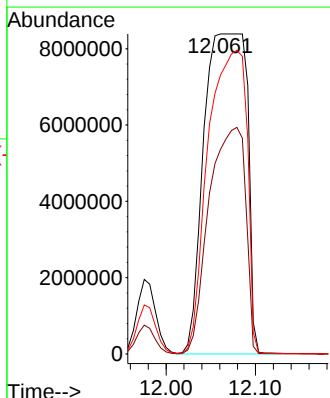
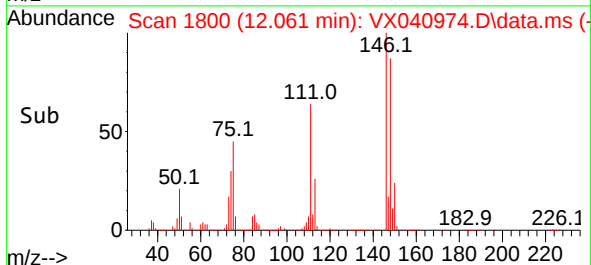
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024

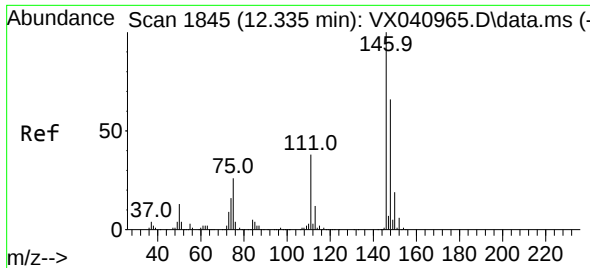


#65
1,4-Dichlorobenzene
Concen: 5262.422 ug/L m
RT: 12.061 min Scan# 1800
Delta R.T. 0.018 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13



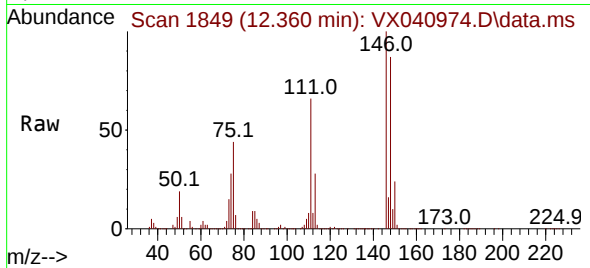
Tgt Ion:146 Resp:27961855
Ion Ratio Lower Upper
146 100
111 63.9 23.4 43.6#
148 87.2 44.2 82.0#





#67
1,2-Dichlorobenzene
Concen: 4398.843 ug/L
RT: 12.360 min Scan# 1845
Delta R.T. 0.024 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

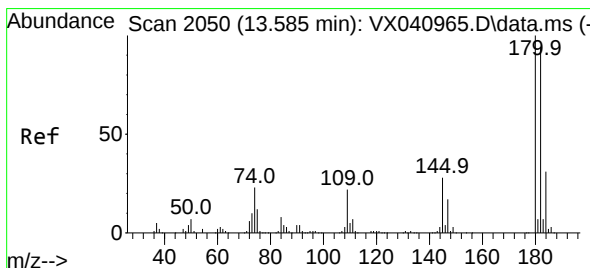
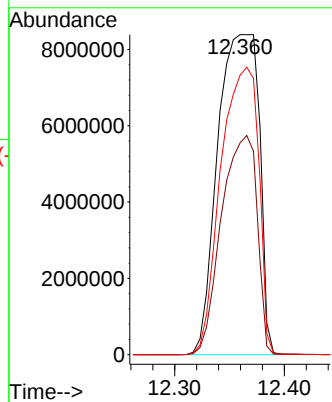
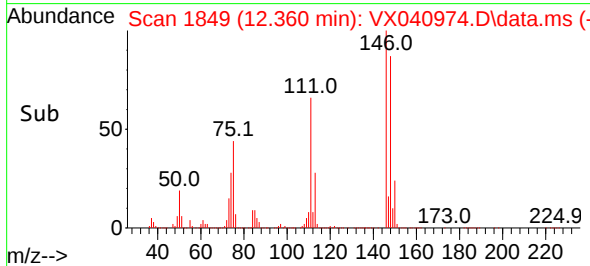
Instrument :
MSVOA_X
ClientSampleId :
MC0R51



Tgt Ion:146 Resp:22086780
Ion Ratio Lower Upper
146 100
111 66.2 31.8 47.8
148 87.3 53.2 79.8

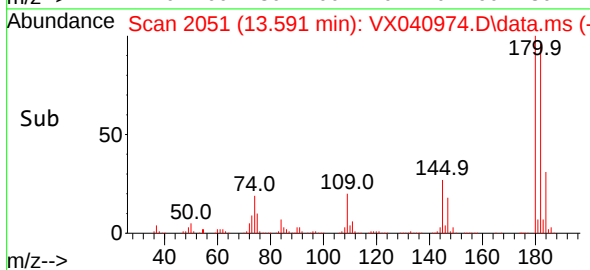
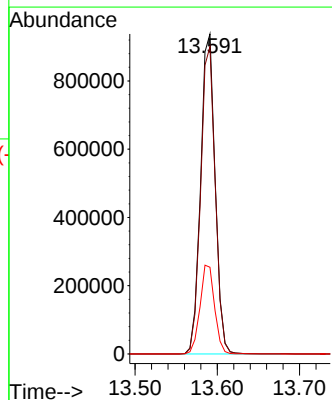
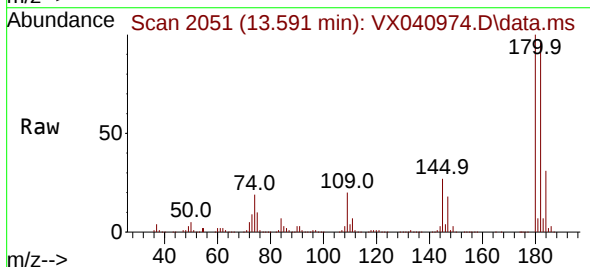
Manual Integrations
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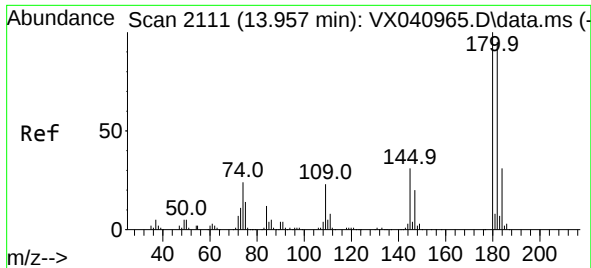
Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024



#70
1,2,4-trichlorobenzene
Concen: 306.435 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040974.D
Acq: 11 Apr 2024 13:13

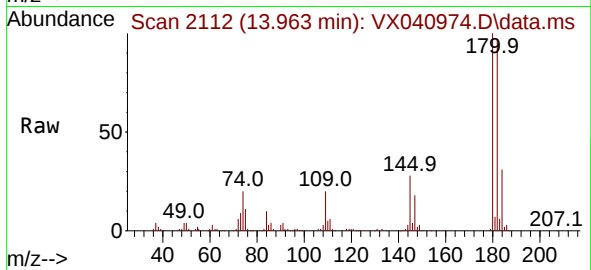
Tgt Ion:180 Resp: 1151083
Ion Ratio Lower Upper
180 100
182 96.1 76.8 115.2
145 27.8 22.3 33.5





#72
 1,2,3-Trichlorobenzene
 Concen: 19.416 ug/L
 RT: 13.963 min Scan# 2111
 Delta R.T. 0.006 min
 Lab File: VX040974.D
 Acq: 11 Apr 2024 13:13

Instrument :
 MSVOA_X
 ClientSampleId :
 MC0R51



Tgt Ion:180 Resp: 71528
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.0 115.6
 145 28.9 23.4 35.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/12/2024
 Supervised By :Semsettin Yesilyurt 04/12/2024

