

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
 Data File : VX027030.D
 Acq On : 15 Feb 2022 14:48
 Operator : JC/MD
 Sample : N1486-06
 Misc : 5.00g/5.00mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 X3946

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/17/2022
 Supervised By :Semsettin Yesilyurt 02/17/2022

Quant Time: Feb 16 01:36:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 16 01:34:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	127722	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.061	117	119285	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	64553	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	38538	33.993	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.980%		
7) Chloroethane-d5	1.666	69	16674	22.921	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	45.840%#		
11) 1,1-Dichloroethene-d2	2.294	63	62339	28.677	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	57.360%#		
21) 2-Butanone-d5	4.483	46	61817	78.498	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.500%		
24) Chloroform-d	5.062	84	84680	39.774	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	79.540%		
26) 1,2-Dichloroethane-d4	5.958	65	56080	40.643	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.280%		
32) Benzene-d6	5.971	84	174094	40.514	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.020%		
36) 1,2-Dichloropropane-d6	7.306	67	52981	41.507	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.020%		
41) Toluene-d8	8.653	98	155308	39.502	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.000%#		
43) trans-1,3-Dichloroprop...	8.958	79	19800	34.021	ug/L	0.01
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.040%		
47) 2-Hexanone-d5	9.415	63	45954	83.274	ug/L	0.03
Spiked Amount 100.000	Range 45 - 130		Recovery =	83.270%		
56) 1,1,2,2-Tetrachloroeth...	11.201	84	63835	42.317	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.640%		
66) 1,2-Dichlorobenzene-d4	12.323	152	62260	42.460	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.920%		
Target Compounds						
					Qvalue	
13) Acetone	2.410	43	136858	206.501	ug/L	99
16) Methylene chloride	2.788	84	166612	170.211	ug/L	98
19) 1,1-Dichloroethane	3.605	63	224993	133.405	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	52788	50.875	ug/L	97
23) Bromochloromethane	4.904	128	74396	140.407	ug/L	98
25) Chloroform	5.099	83	45595	25.273	ug/L	96
27) 1,2-Dichloroethane	6.086	62	150655	107.963	ug/L	99
30) 1,1,1-Trichloroethane	5.379	97	87648	56.465	ug/L	99
31) Carbon tetrachloride	5.672	117	90069	65.411	ug/L	99
34) Trichloroethene	7.123	95	62101	56.327	ug/L	99
37) 1,2-Dichloropropane	7.434	63	62158	64.122	ug/L	100
40) 4-Methyl-2-pentanone	8.592	43	305445m	221.670	ug/L	
45) 1,1,2-Trichloroethane	9.159	97	120053	126.663	ug/L	98
46) Tetrachloroethene	9.275	164	96152	117.789	ug/L	96
49) Dibromochloromethane	9.525	129	136987	131.789	ug/L	100
50) 1,2-Dibromoethane	9.610	107	91027	91.484	ug/L	99
55) Styrene	10.665	104	142933	50.275	ug/L	93
60) Isopropylbenzene	10.964	105	180746	38.754	ug/L	100
64) 1,3-Dichlorobenzene	11.976	146	75487	36.384	ug/L	97

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	12.043	146	133071	63.737	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	20827	70.047	ug/L	92
70) 1,2,4-trichlorobenzene	13.591	180	67130	53.331	ug/L	98

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

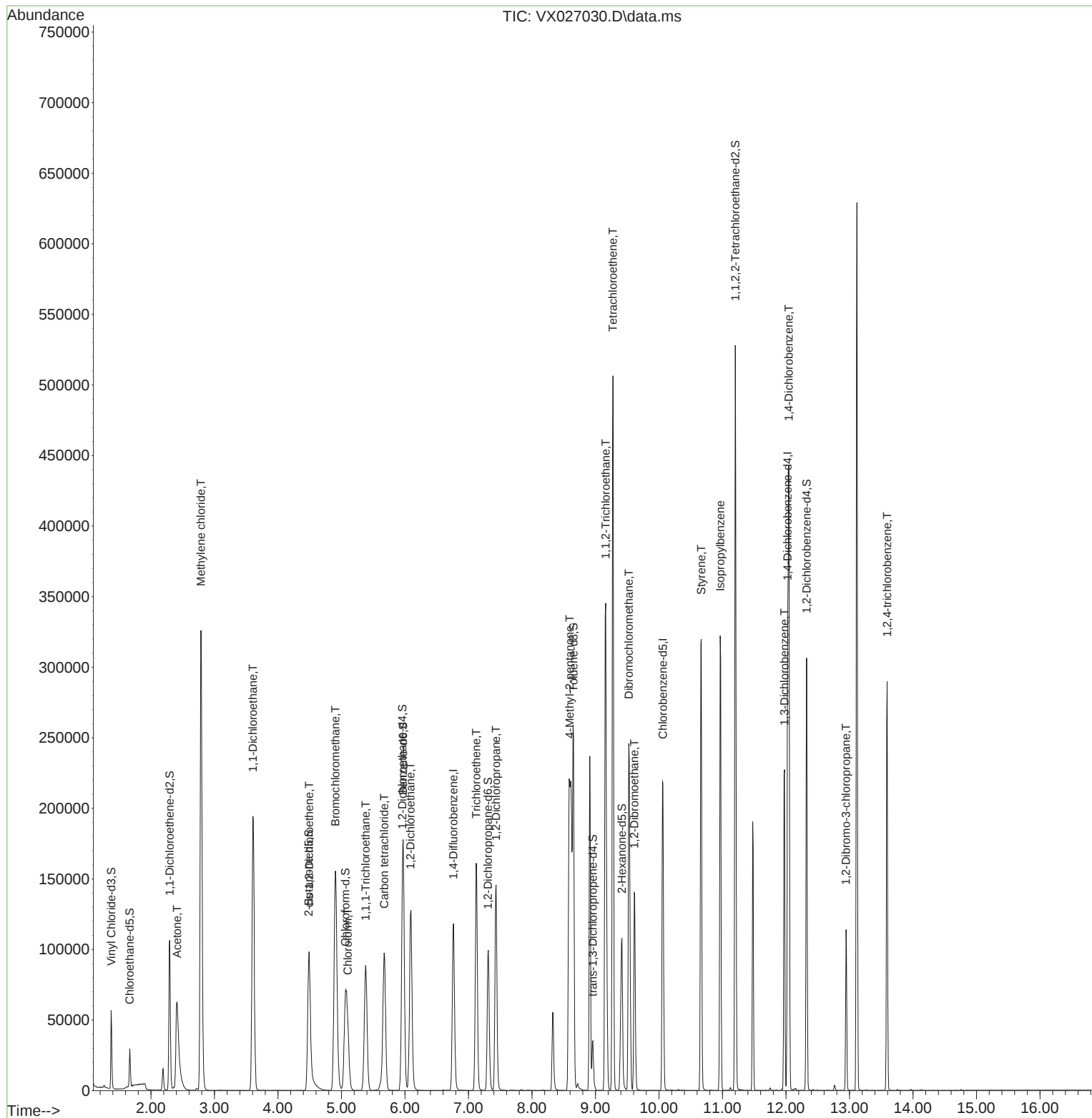
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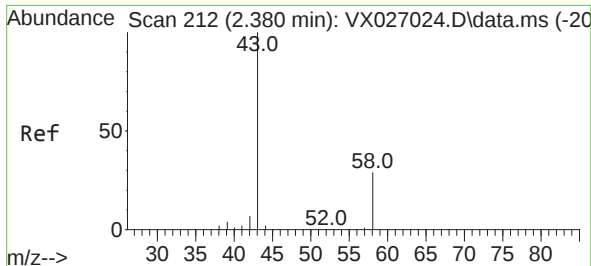
Instrument :
MSVOA_X
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 16 01:34:21 2022
Response via : Initial Calibration





#13

Acetone

Concen: 206.501 ug/L

RT: 2.410 min Scan# 21

Delta R.T. 0.031 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion: 43 Resp: 13685

Ion Ratio Lower Upper

43 100

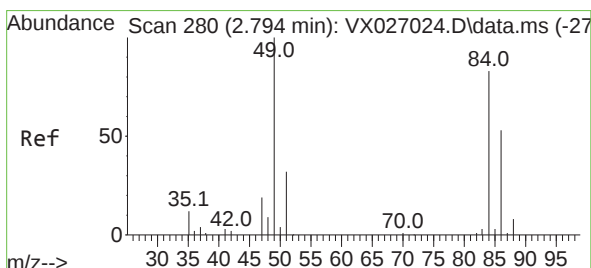
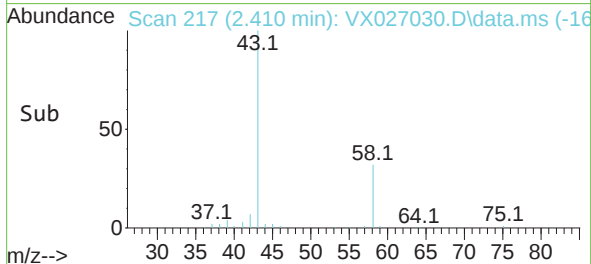
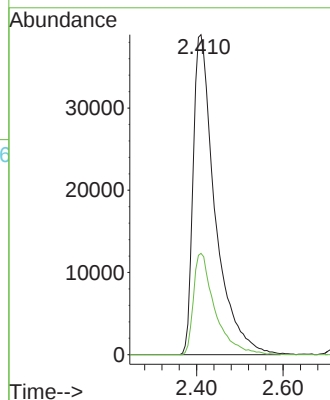
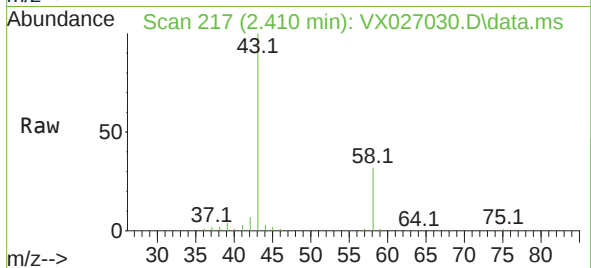
58 31.0 0.0 61.4

Manual Integrations

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#16

Methylene chloride

Concen: 170.211 ug/L

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

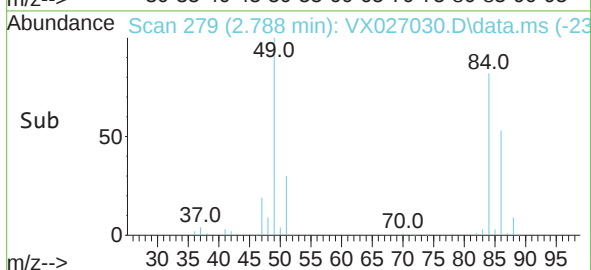
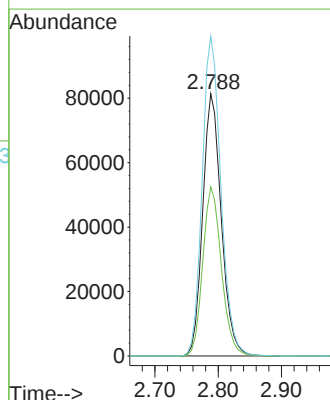
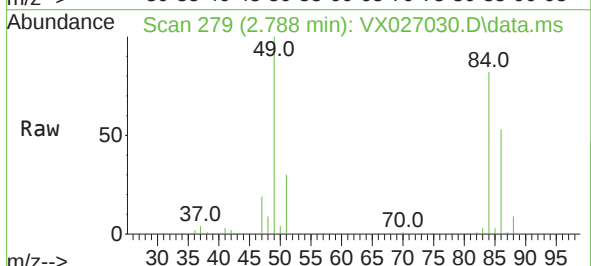
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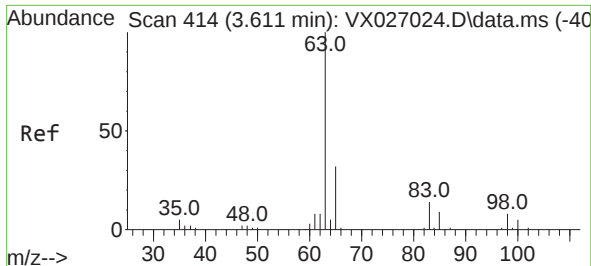
Ion Ratio Lower Upper

84 100

86 64.5 44.8 83.2

49 122.0 87.0 161.6





#19

1,1-Dichloroethane

Concen: 133.405 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion: 63 Resp: 22499

Ion Ratio Lower Upper

63 100

65 31.0 22.9 42.5

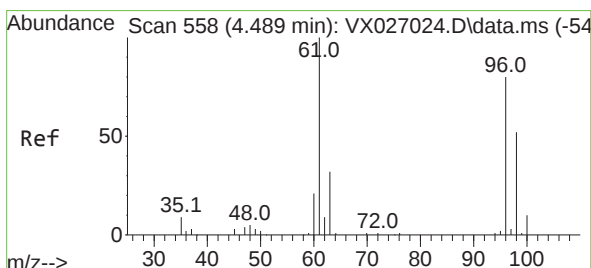
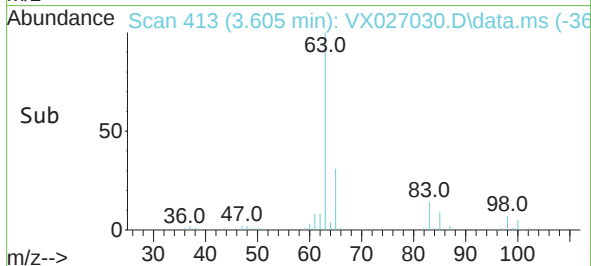
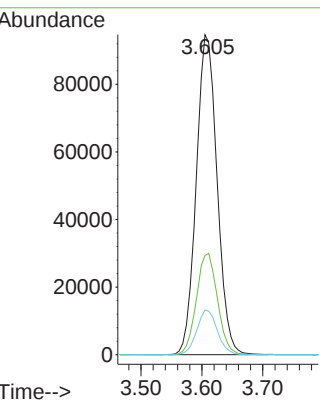
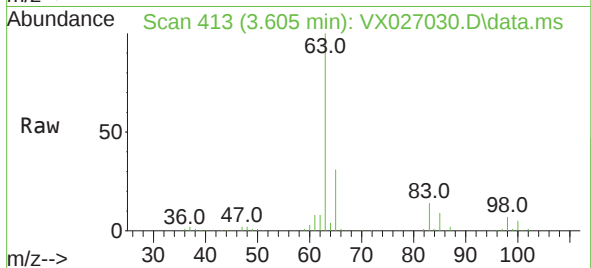
83 14.0 10.1 18.9

Manual Integrations

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#20

cis-1,2-Dichloroethene

Concen: 50.875 ug/L

RT: 4.489 min Scan# 558

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

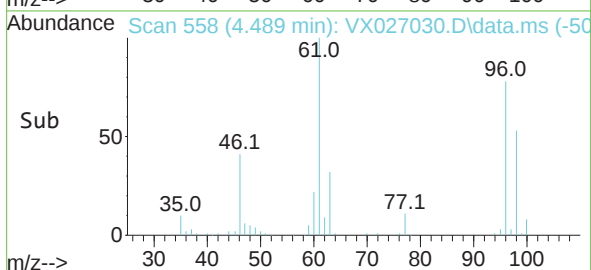
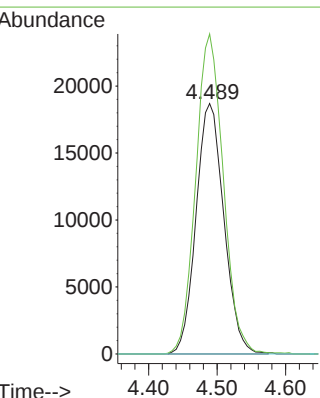
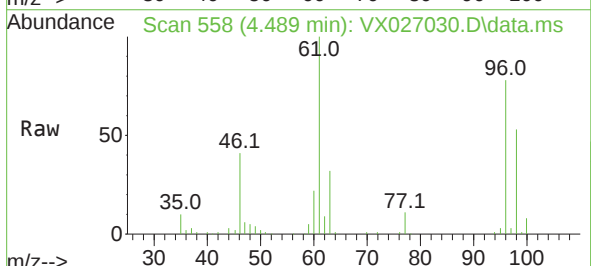
Tgt Ion: 96 Resp: 52788

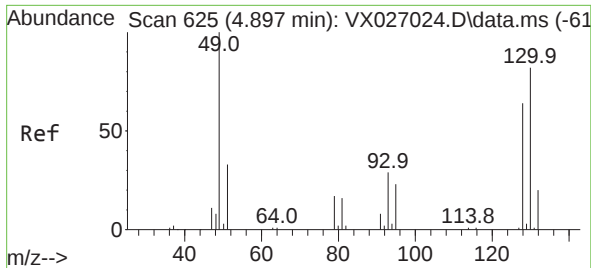
Ion Ratio Lower Upper

96 100

61 127.8 86.7 161.1

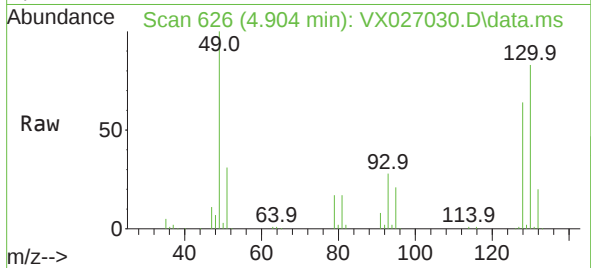
68 0.0 0.0 0.0





#23
Bromochloromethane
Concen: 140.407 ug/L
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

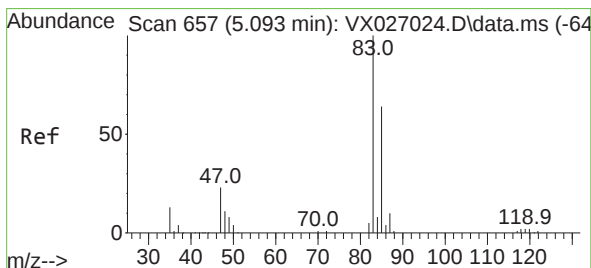
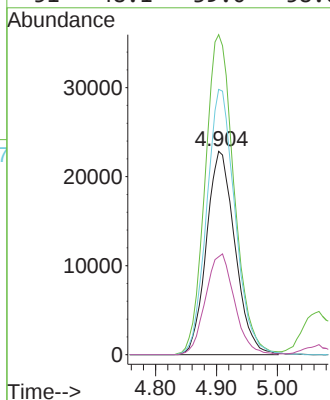
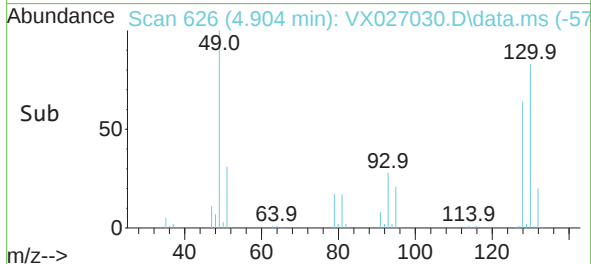
Instrument :
MSVOA_X
ClientSampleId :
X3946



Tgt Ion:128 Resp: 74390
Ion Ratio Lower Upper
128 100
49 157.3 110.2 204.6
130 130.4 88.2 163.8
51 48.1 39.0 58.6

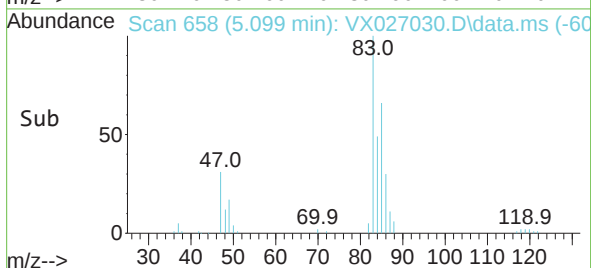
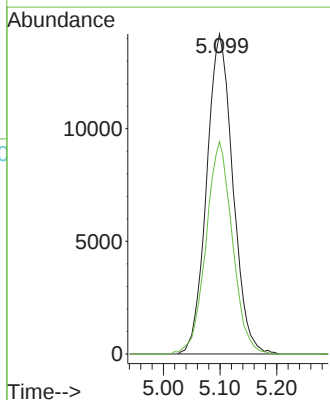
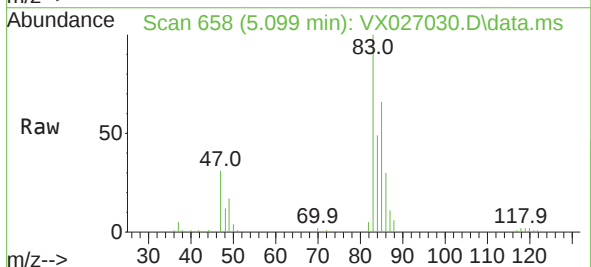
Manual Integrations
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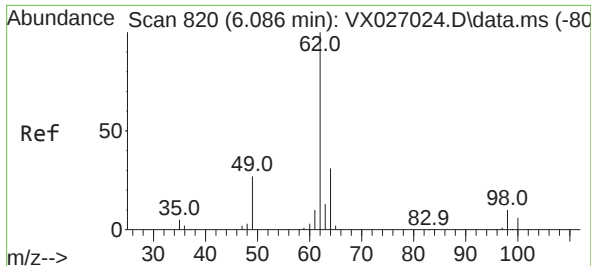
Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022



#25
Chloroform
Concen: 25.273 ug/L
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Tgt Ion: 83 Resp: 45595
Ion Ratio Lower Upper
83 100
85 66.4 44.2 82.2





#27

1,2-Dichloroethane

Concen: 107.963 ug/L

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion: 62 Resp: 15065

Ion Ratio Lower Upper

62 100

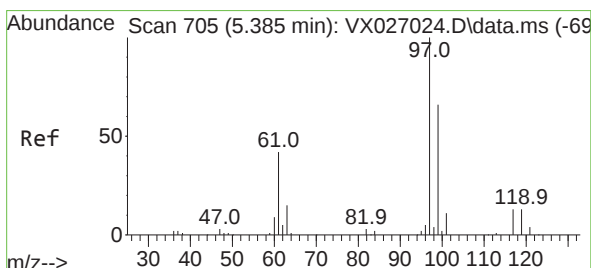
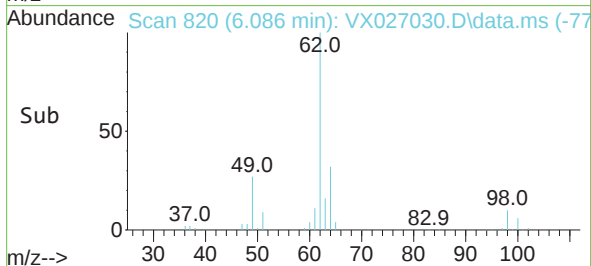
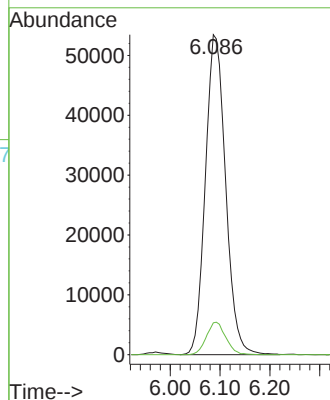
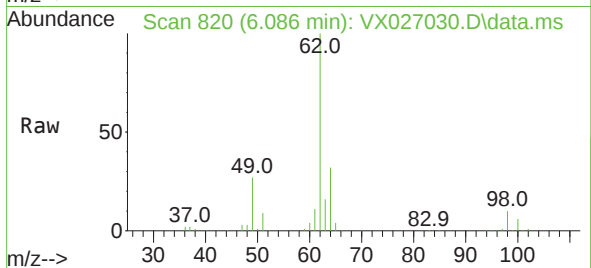
98 10.0 8.2 12.2

Manual Integrations

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#30

1,1,1-Trichloroethane

Concen: 56.465 ug/L

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

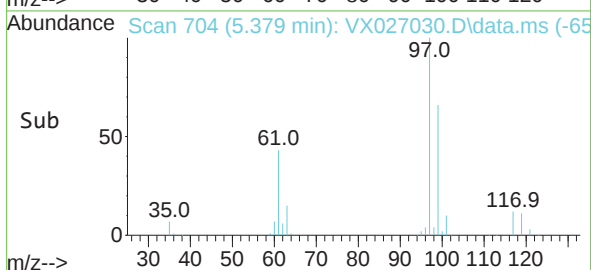
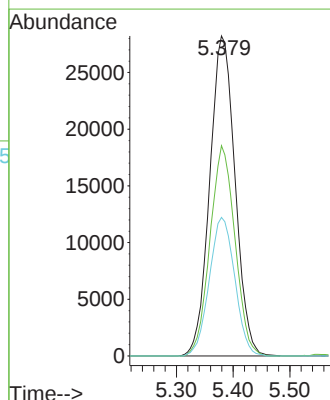
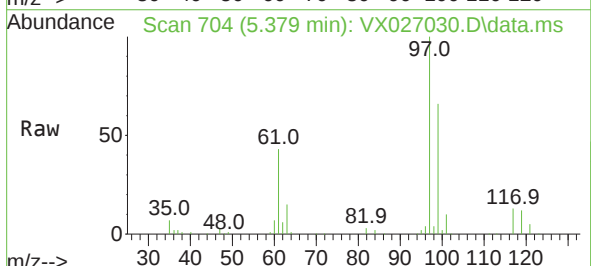
Tgt Ion: 97 Resp: 87648

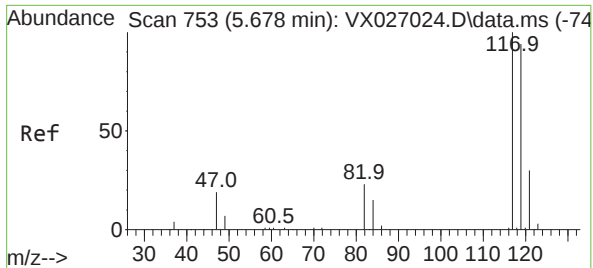
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 43.6 35.2 52.8





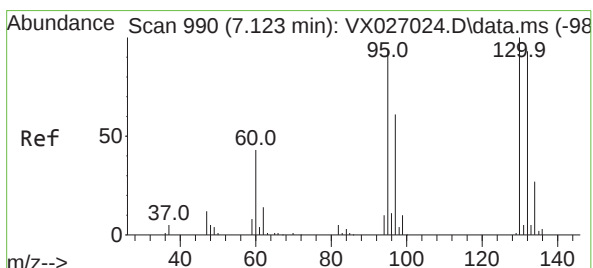
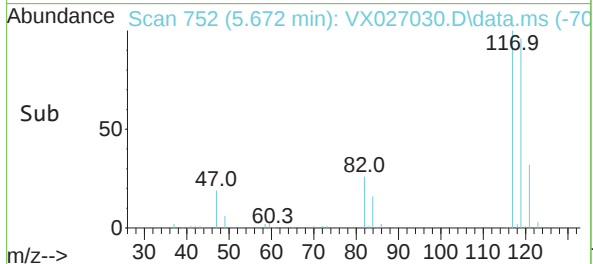
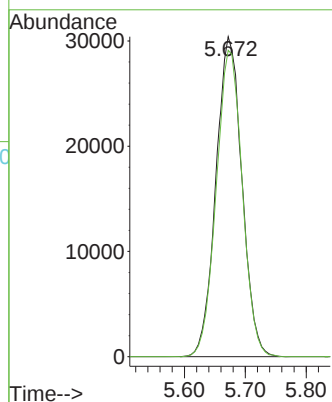
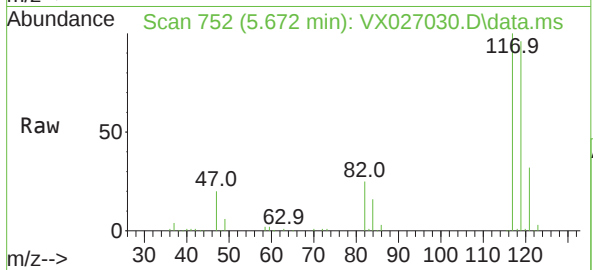
#31
Carbon tetrachloride
Concen: 65.411 ug/L
RT: 5.672 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Instrument :
MSVOA_X
ClientSampleId :
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Tgt Ion:117 Resp: 90069
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.8

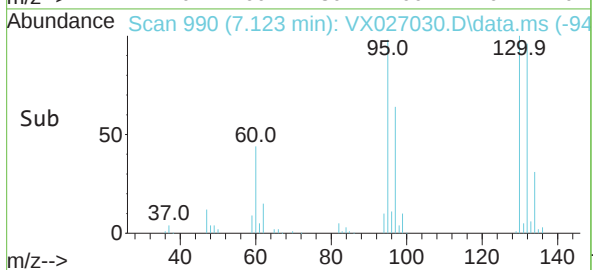
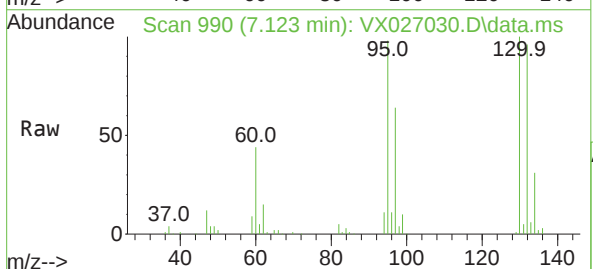
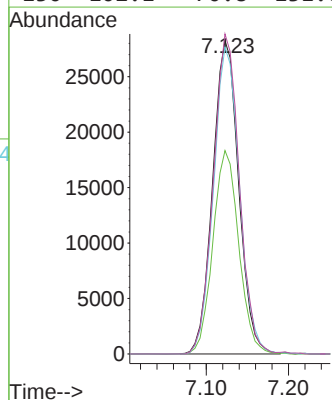
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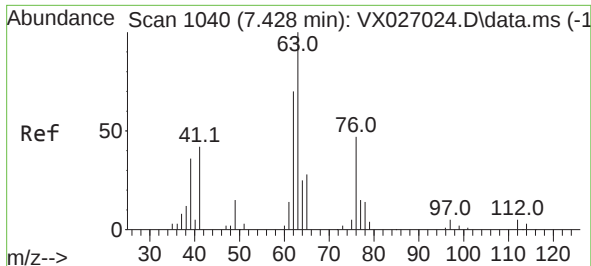
Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022



#34
Trichloroethene
Concen: 56.327 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Tgt Ion: 95 Resp: 62101
Ion Ratio Lower Upper
95 100
97 64.9 45.5 84.5
132 97.9 69.9 129.7
130 102.1 70.8 131.6





#37

1,2-Dichloropropane

Concen: 64.122 ug/L

RT: 7.434 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion: 63 Resp: 62158

Ion Ratio Lower Upper

63 100

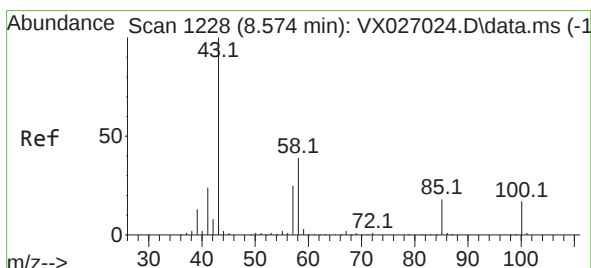
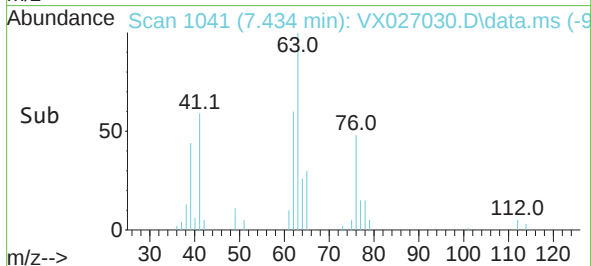
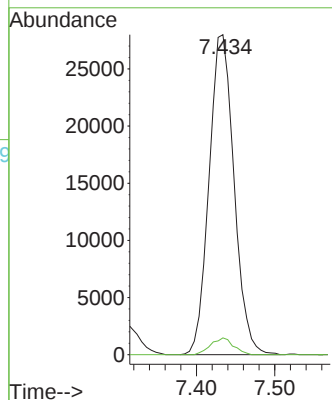
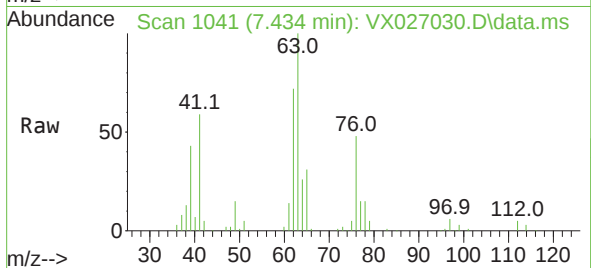
112 4.8 3.8 5.8

Manual Integrations

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#40

4-Methyl-2-pentanone

Concen: 221.670 ug/L m

RT: 8.592 min Scan# 1231

Delta R.T. 0.018 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

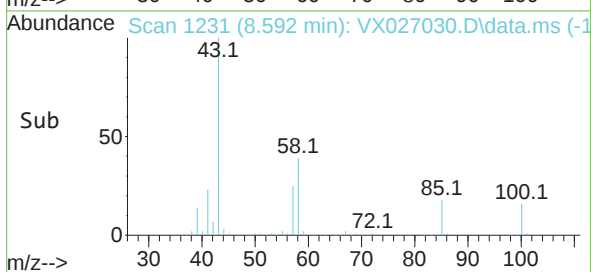
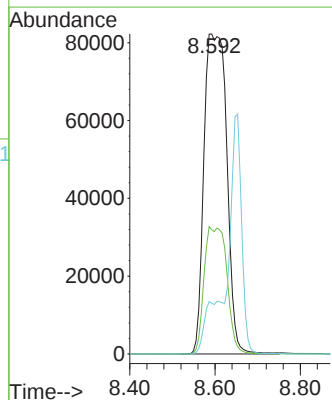
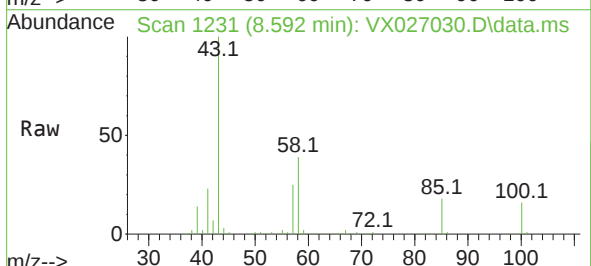
Tgt Ion: 43 Resp: 305445

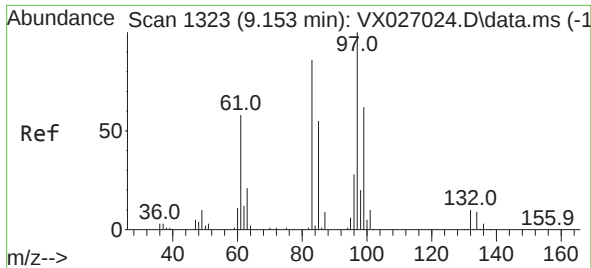
Ion Ratio Lower Upper

43 100

58 19.1 31.0 46.6#

100 7.7 13.0 19.4#





#45

1,1,2-Trichloroethane

Concen: 126.663 ug/L

RT: 9.159 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion: 97 Resp: 1205

Ion Ratio Lower Upper

97 100

99 60.7 43.3 80.5

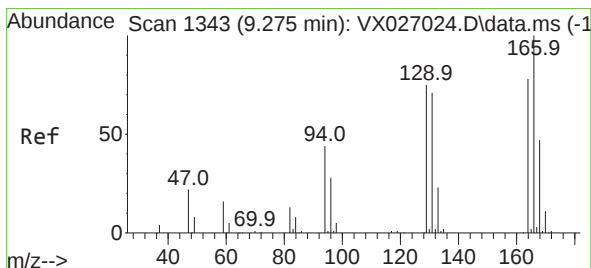
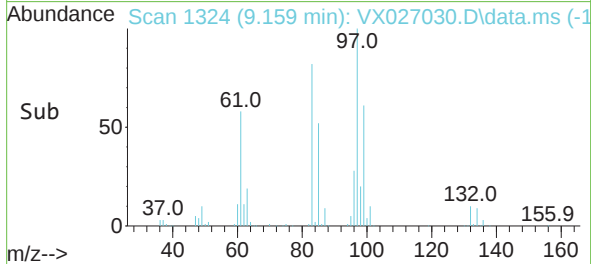
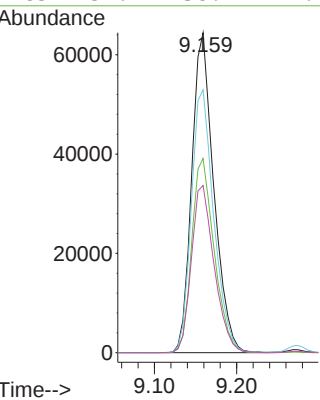
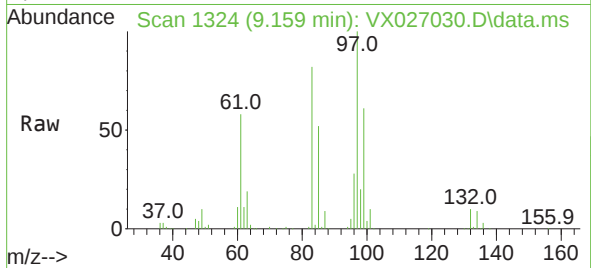
83 82.2 57.5 106.9

85 52.2 38.4 71.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022



#46

Tetrachloroethene

Concen: 117.789 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Tgt Ion:164 Resp: 96152

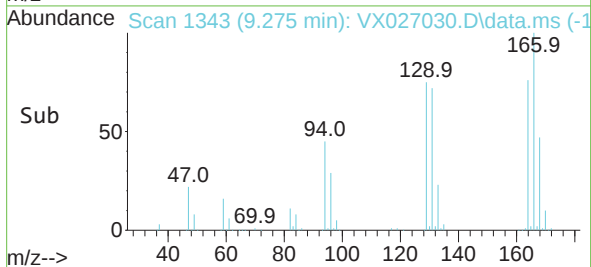
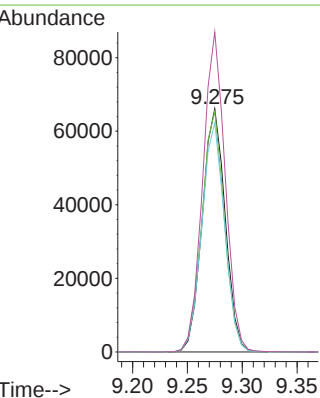
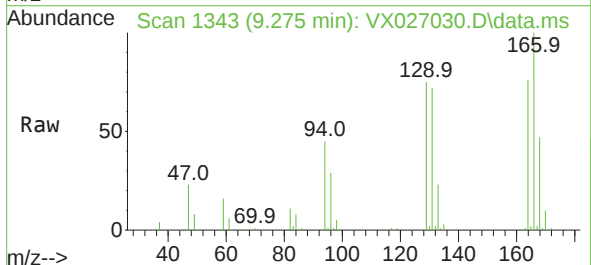
Ion Ratio Lower Upper

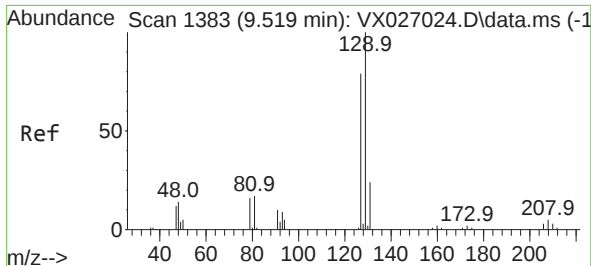
164 100

129 98.9 65.5 121.7

131 94.2 64.3 119.3

166 131.6 88.7 164.7





#49

Dibromochloromethane

Concen: 131.789 ug/L

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

Instrument :

MSVOA_X

ClientSampleId :

X3946

Tgt Ion:129 Resp: 13698

Ion Ratio Lower Upper

129 100

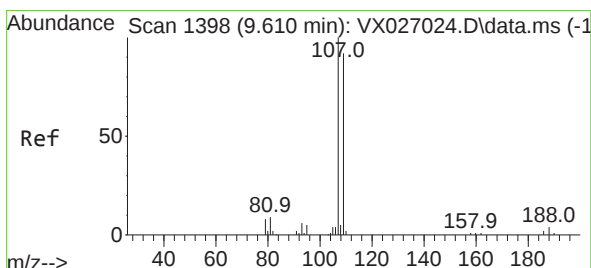
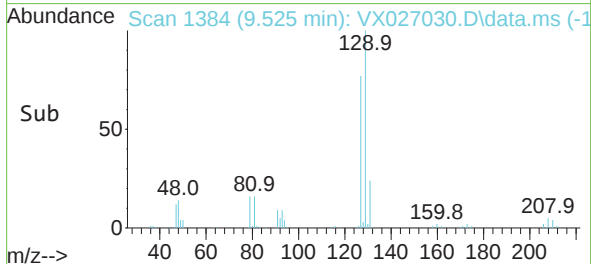
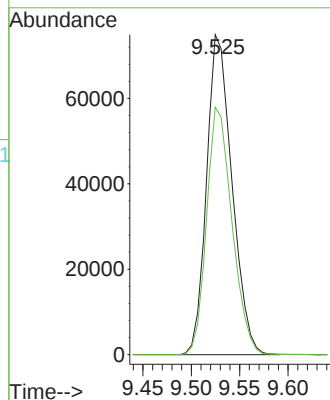
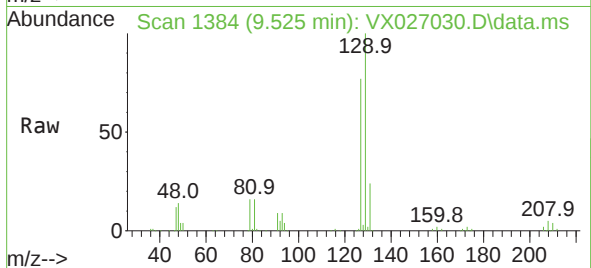
127 77.3 54.3 100.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/17/2022

Supervised By :Semsettin Yesilyurt 02/17/2022



#50

1,2-Dibromoethane

Concen: 91.484 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX027030.D

Acq: 15 Feb 2022 14:48

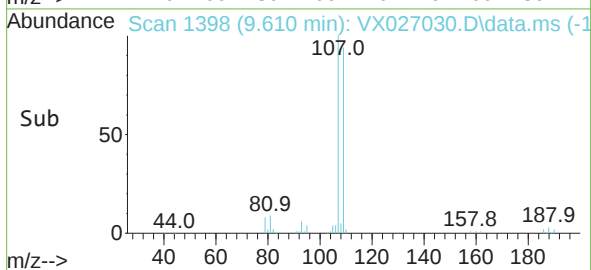
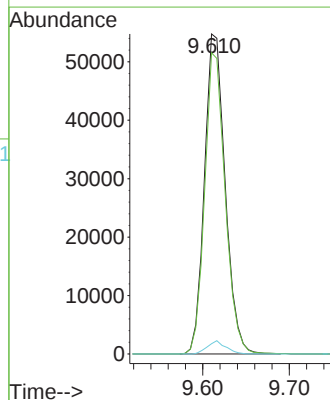
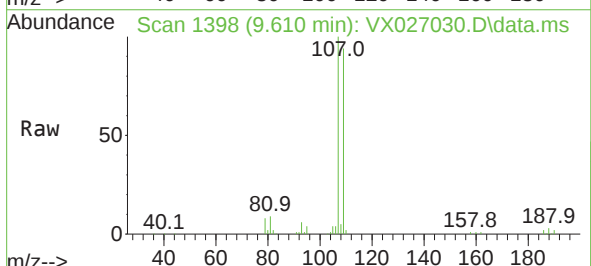
Tgt Ion:107 Resp: 91027

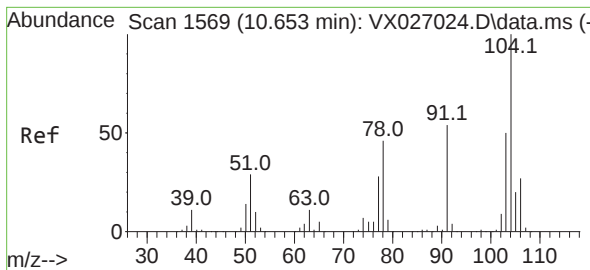
Ion Ratio Lower Upper

107 100

109 94.1 64.9 120.5

188 3.2 2.7 4.1





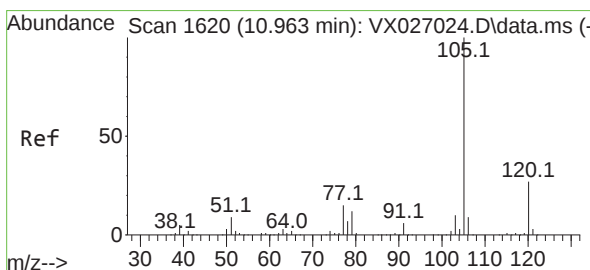
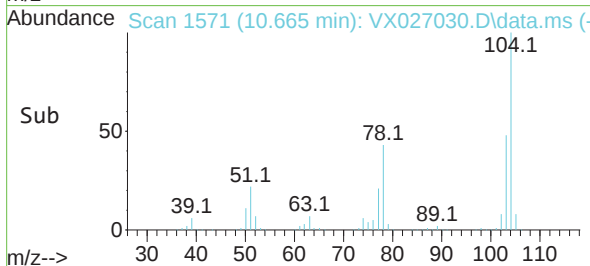
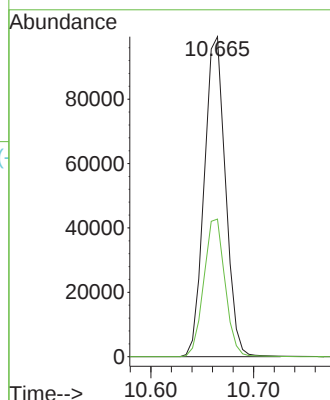
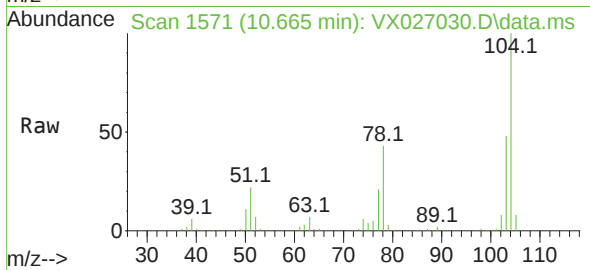
#55
Styrene
Concen: 50.275 ug/L
RT: 10.665 min Scan# 1569
Delta R.T. 0.012 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

Instrument :
MSVOA_X
ClientSampleId :
X3946

Tgt Ion:104 Resp: 142933
Ion Ratio Lower Upper
104 100
78 43.0 33.3 61.9

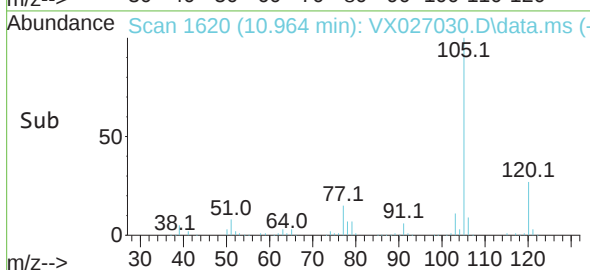
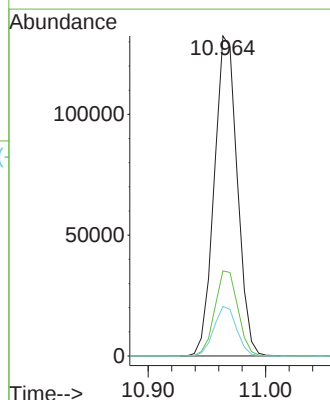
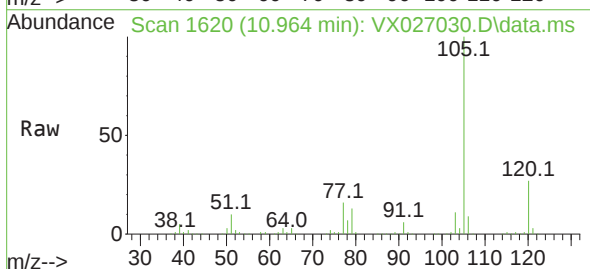
Manual Integrations
APPROVED

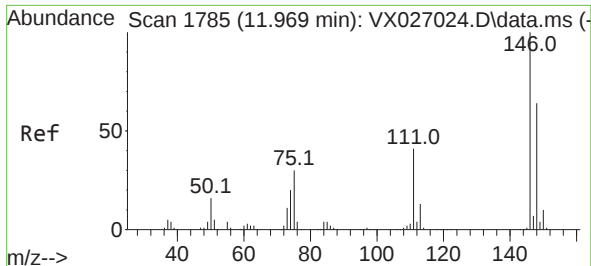
Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022



#60
Isopropylbenzene
Concen: 38.754 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

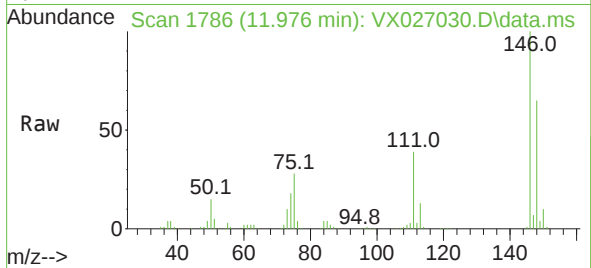
Tgt Ion:105 Resp: 180746
Ion Ratio Lower Upper
105 100
120 26.7 21.2 31.8
77 15.3 12.5 18.7





#64
1,3-Dichlorobenzene
Concen: 36.384 ug/L
RT: 11.976 min Scan# 1785
Delta R.T. 0.006 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

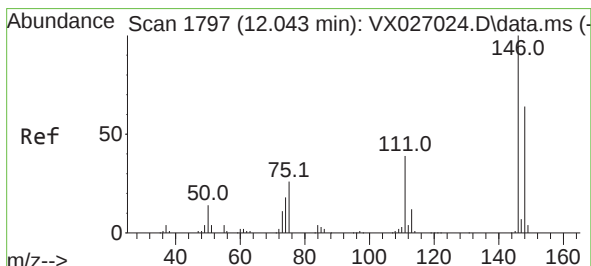
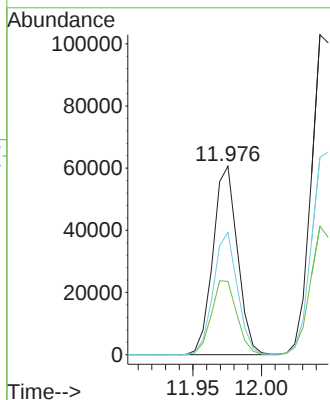
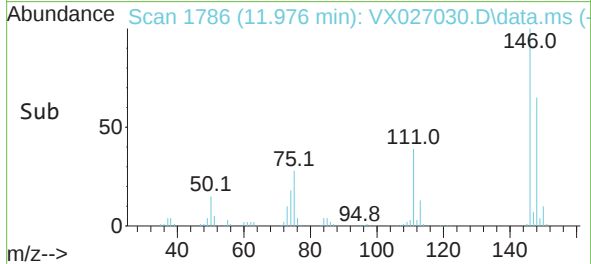
Instrument :
MSVOA_X
ClientSampleId :
X3946



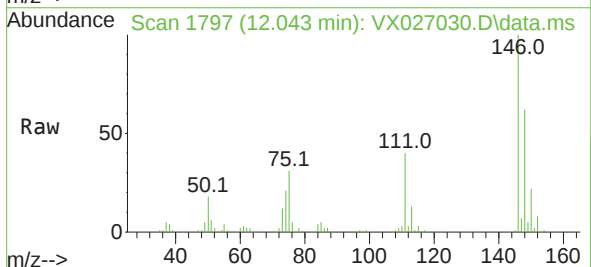
Tgt Ion:146 Resp: 7548
Ion Ratio Lower Upper
146 100
111 38.9 28.3 52.7
148 64.9 43.8 81.4

Manual Integrations
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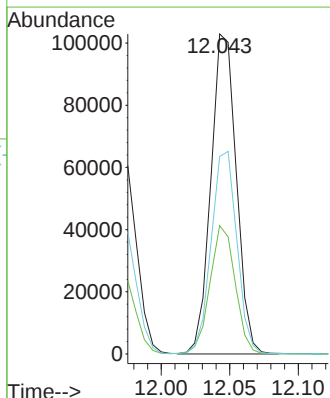
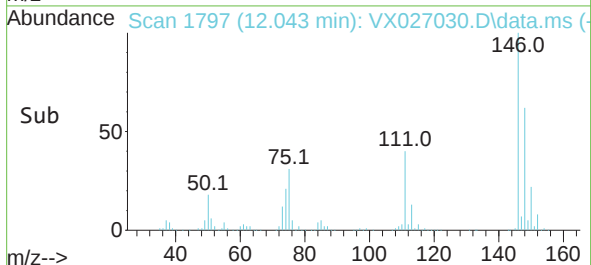
Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022

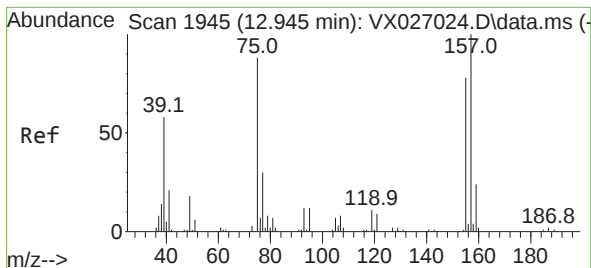


#65
1,4-Dichlorobenzene
Concen: 63.737 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48



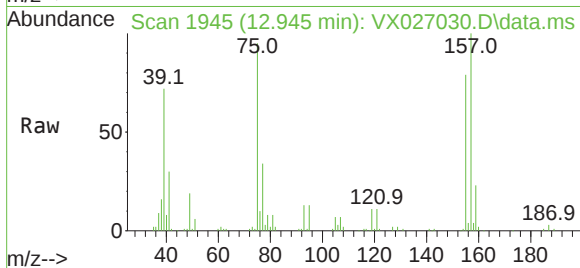
Tgt Ion:146 Resp: 133071
Ion Ratio Lower Upper
146 100
111 40.1 26.5 49.3
148 61.7 43.5 80.7





#68
1,2-Dibromo-3-chloropropane
Concen: 70.047 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48

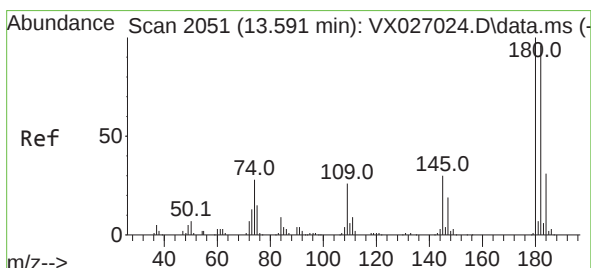
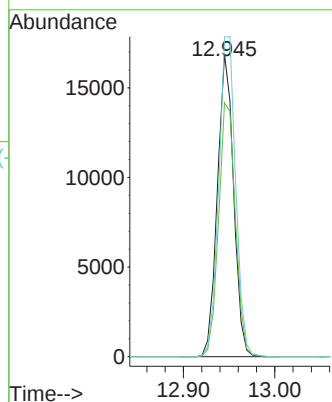
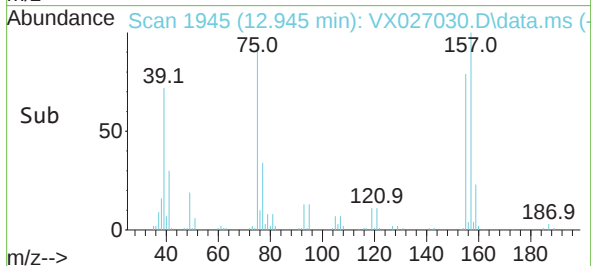
Instrument :
MSVOA_X
ClientSampleId :
X3946



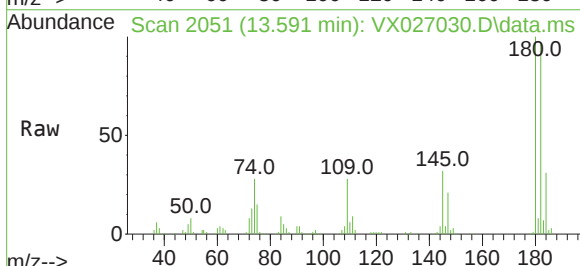
Tgt Ion: 75 Resp: 2082
Ion Ratio Lower Upper
75 100
155 84.0 71.6 107.4
157 105.8 93.8 140.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 02/17/2022
Supervised By :Semsettin Yesilyurt 02/17/2022



#70
1,2,4-trichlorobenzene
Concen: 53.331 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX027030.D
Acq: 15 Feb 2022 14:48



Tgt Ion:180 Resp: 67130
Ion Ratio Lower Upper
180 100
182 95.9 75.4 113.2
145 31.9 25.0 37.4

